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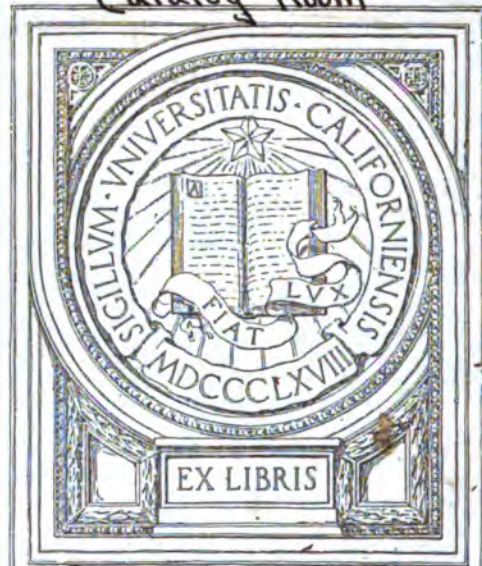
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To learn to classify is in itself an education
Alex. Bain

Decimal Classification

and

Relative Index

for libraries and personal use
in arranging for immediate reference
books, pamphlets, clippings, pictures, manuscript notes
and other material

by

Melvil Dewey M A LL D

Edition 11, revised and enlarged

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Spelling

Simpler spellings are strongly recommended for general adoption by both American and English philologic associations, including nearly all prominent scholars in English now living. We regret prejudice that certain users will feel against these changes, but after careful study of all objections urged, we find the weight of scholarship, reason and economy wholly in their favor, and feel compelled to bear a share of the prejudice which must endure before the great benefits of a rational orthography can be secured.

We use all simpler forms recommended for general adoption by the Simplified Spelling Board. Fuller information free from: S S B Secretary, 4 Emerson Hall, Harvard University, Cambridge, Mass. or from Forest Pres.

Beside these we also use in the Introduction many other simpler forms. Most S S B rules and our additions merely drop useless or misleading silent letters, with needed substitutes in a few cases, e.g. f for ph and gh in *phlegm* and *rough*, where we drop g and o and substitute f, spelling *flem* and *ruf*.

Some typographic errors have doubtless been overlooked, but we intend to spell as above.

Tables and Index already set in old spelling will not be changed till re-set when they are next revised.

See, at end of Introduction, p. 45-58, summary of compelling reasons for making these changes, and code of brief rules. Read them before criticizing our shorter and much better spelling.

Confusion and
variations force the
and individual user
he needs, under the
See p. 32-349, Let

CONTENTS

	Page
EXPLANATION	6
INTRODUCTION	
Description	7-20
Origin and growth	7-8
Extent of use	8-9
What is the sistem?	9
Notation	9
Best known decimal form	10
Relativ Subject Index	10-12
What Relativ Index includes	12
Explanation of tables	12-13
Coordination	13
New subjects	14
Choice and arrangement of heds	14
Sequence of allyd subjects	14
Cachtitles	14
Form distinctions	14-15
Minute clasing	15-16
Tentativ tables	16
Nemonics	16-18
Decimalism	18-19
Relativ location	19-20
Sizes on shelvs	20
Catalogs	20-21
Name catalog	20
Shelflist	20
Clast catalog	21
Dictionary catalog	21
Advantajes	21-24
Shelvs	21
Shelflist	22
Accession book	22
Pamflets	22
Sale duplicates	22
Charjing sistem	22
Subject references	23
Recataloging or reclassifying	23
Adaptability	23
Arabic numerals	23
Endowment of special departments	23-24
Summary	24
Sugjestions to uzers	24-30
Numeration	24
Plan of Tables	24
" Index	25
Familiarity with clasification	25
How to find subject of book	25-26
Assyning clas numbers	26-28
Number of figures uzed in clas number	28
Bilding numbers	28-29
Book numbers	29-30

DECIMAL CLASIFICATION

Variations practicable	30-36
Cautions	31
Letter or symbol notations for changes or additions	32-34
Fiction	32
Juvenils	32-33
Biografy	33
Paralel libraries	33
Combining languaj and literature	34
Reference library	34
Contractions for specialists	34
Alfabet or cronology for final subdivisions	35
Broken order	35-36
Pro and con division of topics	36
Bibliografic modifications	37-39
Accretion syn +	37
Cupling syn -	38
Relation syn :	38
Form syn (o)	38
Universality syn ∞	38
Place syn (3)-(9)	38
Languaj syn =	38
Time syn " "	38
Jeneral points of view syn ∞	39
A to Z	39
Sequence of syns	39
Other uses	39-41
Bookstores	39
Offis files	39-40
Scrapbooks	40
Index rerums	40-41
Topical indexes	41
Separates	41
Aknowlejmjents	42-43
Future of D C	43-44
SIMPLER SPELING REAZONS AND RULES	
Reazons	45-49
Disgrace of present usaje	47
Criminal waste of mony	47
Criminal waste of skool time	47
Adling brains	47-48
English as world languaj	48-49
Disregard of pedants rules	49-50
Consistency	50
Conciseness	50
Can it be dun?	50-51
Rules	51-58
N E A 12 words	52
S S B 30 words	52
Simplifyd Speling Board alfabetic rules	52-54
S S B 18 rules	54-55
D C rules	56
U S Jeografic Board rules	57
Filolojists 10 joint rules	57-58
Sugjestions	58
Index to Introduction and Simpler speling	59-61

CONTENTS

TABLES AND INDEX

First summary: the 10 main clases	1 paje
Second " the 100 main divisions.	1 "
Third " the 1000 sections	10 pajes
Tables of subsections of Jeneral works	42 "
" Filosofy	11 "
" Relijion	20 "
" Sociolojy	47 "
" Filolojy	6 "
" Natural syence	51 "
" Useful arts	198 "
" Fine arts	18 "
" Literature	44 "
" History	101 "
	Paje
Index abbreviations	614
Explanation of Index	615-16
Relativ Subject Index	617-974
Alfabetic table of topics divided jeograficly	975-77
" form divisions	978
" languages	978-79
" filologic divisions	980-81
" literatures	982-83
Biscoe and Olin book numbers	984-86
Special author tables	987-88

EXPLANATION

This Clasification divides knowlej into 9 main clases numberd 1 to 9. Cyclopedias, periodicals, etc. so jeneral as to belong to *no* one of these clases ar markt 0 (naught) and form a 10th clas. Each clas is similarly separated into 9 divisions, jeneral works belonging to *no* division having 0 in place of division number. Divisions ar similarly divided into 9 sections. This process is repeated as often as necessary. Thus 512 means clas 5 (Natural syence), division 1 (Mathematics), section 2 (Aljebra), and every aljebra is numberd 512.

Books on shelvs and cards in a clast catalog ar arranged in simpl numeric order, all clas numbers being regarded as decimals. These Tables show order of subjects. Thus 512 Aljebra follows 511 Arithmetic and precedes 513 Jeometry. Since each subject has a definit number, all books on any subject stand together.

Summaries 1st summary shows the 10 clases. 2d shows the 9 divisions of each clas, and is useful as a 1-paje birdseye view of whole skeme. Then follow 10 pajes, 1 for each clas, which givs the 9 sections of each of its 9 divisions, and shows scope of the clas on a singl paje.

Tables These 3 summaries ar followd by ful Clasification Tables, which present in numeric order, all clases, divisions, sections and sub-sections. Sinonimus terms, exampls, brief notes, dates and cachwords ar often aded to simpl heds to giv fuller and clearer idea of scope of each number. Therefore all references to numbers shud be lookt up in *ful Tables*, never in Summaries, which ar in effect a contents table of the ful Clasification.

Index After the Tables an alfabetic Index of all heds givn in Tables refers by clas number of each to its exact place in Tables. This Index includes also sinonims and many other entries likely to help a reader find his subject eazily. Even a uzer who knows just where to turn to his subject in Tables, may, by consulting the Index, be put on trak of valuabl allyd matter which he wud otherwise overlook.

Ful explanations Illustrations and sugjestions for numerus applications of this sistem, and ful explanations of its nemonic and other important features ar givn in the Introduction on following pajes.

INTRODUCTION

[Simpler spelings ar strongly recommended for jeneral adoption by both American and English filoljic associations, including nearly all prominent skolars in English now living.

The spelling of this introduction has many more chanjes than we recommend for jeneral use at once. For convenient reference we hav included in 'Simpler spelling reasons and rules' (p. 45-56) the famus 12 words adopted in 1898 by the National Education Association for all its official printing and correspondence, and adopted later by hundreds of periodicals, colejes and normal skools; also the 30 words, as a better typical list with which to begin simpler spelling; also the S S B rules, from which one shud select those which most appeal to him; also the 10 joint rules of American and English filoljists, and selections from rules of U S Geographic Board. From these one may choose chanjes he is willing to make, knowing how ampl authority is behind them. We recommend that each one convinst of the importance begin with a few of these chanjes, ading others from time to time as he and his correspondents becum familiar with the new forms. That it 'looks queer' is admittedly the only argument left to objectors. This introduction is speld to show how it wil look if practicaly all these recommendations ar uzed. Sum with specially strong vizual prejudis wil hav attention distracted from the matter to the spelling, but if with an open mind they wil try to concentrate on the meaning, they wil be surprized to find how quickly the new forms wil cease to annoy. Then if they continue reading them they wil soon be surprized to find that the old absurd common spelling wil annoy. There ar very few simpler spelings in Tables or Index but we decided to show in Introduction how extreme chanjes wud look]

Orijin and growth The plan of this Clasification and Index was developd erly in 1873, the result of long study of library economy as found in hundreds of books and pamphlets, and in over 50 personal visits to libraries. This study convinst me that usefulness of libraries myt be greatly increast without aded expense. Only a fraction of the servis posibl cud be got from them without clasification, catalogs, indexes and other aids, to tel librarians and readers what they containd on any givn subject; yet, by methods then uzed, this cud be dun satisfactorily only at a cost so great as to be prohibitiv to all but a few welthy libraries. With rare exceptions, libraries wer growing rapidly. Catalogs, made at great cost, soon became antiquated. Methods uzed involvd frequent rearrangement, renumbering and remarking of books, and of necessity remaking of catalogs and indexes, as the only escape from a confuzion that seriously cripld usefulness. In this costly repetition, work of previus librarians was larjly lost. The great need was a sistem which wud enable each to stand on the sholders of his predecessors, and fully utilize their labors; which wud make work dun today permanent, insted of sumthing to be superseded in so few years as not to be worth doing in the best way; which wud supply the best applyances, insted of leaving yung librarians not only to lern how to work, but to make all their own tools.

Practical use for 49 years proves that this sistem wil accomplish this result; for with its aid catalogs, shelflists, indexes and references, essential to this increast usefulness, can be made faster and cheaper than by any method not having its essential features, and, when dun, they ar better and vastly more permanent. Practical utility and economy ar its keynotes and no theoretic refinement has been allowd to modify the skeme, if it wud detract from usefulness or ad to cost.

DECIMAL CLASIFICACION

It was chiefly necessary to find a method that would clas, arranje and index books and pamflets on shelvs, cards of a catalog, clippings and notes in scrapbooks and index rerums, references to all these items, and indeed any literary material in any form, as redily as an ordinary index gyds to proper paje of a bound book. This difficult problem was solvd by uzing no reference marks except the simplest simbols known to the human mind, arabic numerals with their uzual arithmetic values, and by aiding their unequald simplicity by many practical nemonic devices.

Tho the importance of clasificacion was recognized, the filosofic sistems proposed wer so difficult fully to understand or apply that not 1 person in 1000 cud uze them practicaly. Decimal Clasificacion simplicity and even more its Relativ Index hav made this work 10-fold eazier. In recent years, use of the sistem has spred rapidly in all civilized cuntries, meeting success in thousands of different applications. In its simpl form a skoolboy can quikly master it and keep for instant reference not only his books but every note, clipping or pamflet. Almost every profession and occupation has lerned its wonderful laborsaving powers. It is in daily use by miriads of business and professional men who wud never even attempt to understand or uze the old sistems.

By mere adition of figures, without chanjing this shorter form, this very simpl sistem is redily made to record the utmost refinements of specialists, and the Relativ Index, as simpl as a, b, c, sends the novis to the exact place where the expert has clasifyd the matter sought. Thus 942 is history of England, and 942.99055 is history of County Pembroke in Wales, under Elizabeth, 5th of the Tudors. A colon between 2 numbers to mean 'in relation to', and other combining simbols for time, languaj etc. make of the sistem a compact shorthand for each fact. (See p. 37^l-39⁶.) But this brevity is les important than the eaz with which matter so markt can be aranjed (giving figures and decimal point their common arithmetic value), stored as compactly as wisht and found again in the least posibl time.

The sistem has been found equally valuabl for cataloging, indexing, analyzing and summarizing, and for clasifying, numbering and arranjing books and pamflets on shelvs. For notes on other uses, see p. 39⁶-41⁸.

The 1st edition, publisht in 1876, 12 pajes of tables containing 1000 sections, was criticized as altogether too elaborate for even a larj library. As fast, however, as the Relativ Index with its remarkabl powers became known, the rapidly increasing uzers askt for further subdivisions, til Tables hav grown from 2600 entries in Index of 1876 to 40,000 in this edition 11, becauz it has been found so eazy to gain the admitted great advantajes of close clasificacion, and yet, by means of this Index, avoid the old difficulties.

Extent of use The rejister of libraries which hav actualy adopted it, tho growing rapidly, is incomplete. Libraries often uze the sistem for many years before we lern the fact. We rejister all byers of the Clasificacion, so far as known, but do not assume that a library has adopted the sistem becauz it has orderd the book.

EXTENT OF USE

The table below shows the growth of the 11 editions. The nearest estimate gives several thousand libraries, beside a great number of private book owners and literary workers having the system in daily use.

Edition	Date	Number of pages				Increase	Copies printed
		Preface, etc.	Tables	Index, etc.	Total		
1	1876	12	12	18	42		1000
2	1885	66	162	86	314	272	500
3	1888	4	227	185	416	102	500
4	1891	41	234	191	466	50	1000
5	1894	"	235	"	467	1	2000
6	1899	"	260	210	511	44	7600
7	1911	48	420	324	792	281	2000
8	1913	"	462	340	850	58	2000
9	1915	"	465	342	856	6	3000
10	1919	"	517	374	940 ¹	84	4000
11	1922	61	551	376	988	48	5000

What is the system? A Subject Classification with a Relativ Index² so numbered or lettered that reference is compact, accurate and quick, is the essential feature, and anything beyond this is merely applying this plan with various helps and accessories. Any subject classification with a *relativ* index in which the entry indexes a book in the ordinary way, and also indexes shelves, cards, clippings or any other literary material, is a form of this system.

Notation We devised and experimented with several notations by means of numbers, letters, and combined numbers and letters, with bases of 26, 35, 50, 100 and 150, yet none seemed good enough to warrant publishing details, except that here printed, based on simple arabic numerals with their usual decimal powers. International adoption of this system is largely because no one ever complains that any classification is too simple, while there is constant complaint of complexity. Decimal simplicity has so commended itself that many think of it as the only form, though obviously it would be just as much the 'relativ index system' if the classifications were wholly marked by letters or other symbols,

The Subject Index is the simplest application of a, b, c, the symbols next in simplicity to 1, 2, 3. This use of the simplest 2 sets of symbols known, with their common meanings, has given our notation its worldwide reputation as the simplest yet devised.

¹ Thru mistaken numbering printed as 936.

² Though the author is interested only in the usefulness of the system, not in questions of priority of its invention, extended investigation by others fails to show that this most important feature of the system — the Relativ Index, on which all else hinges — had ever before been used as here to index by a single reference most diverse material. Relativ location had been used, but not in the present combination with the subject index, which gives it most of its value. The Classification Tables, while adopting suggestions from many sources, are original in their system of arrangement and notation, and in many minor features. The decimal form and many mnemonic features have not been found in earlier use, though since their invention in 1873, these as well as the Subject Index and other features have been very frequently copied, often without, but oftener without acknowledgment of their source. But we are glad to find this system, which has cost so much labor, doing good service even for those who neglect to mention where they found so valuable a labor-saving literary tool.

DECIMAL CLASSIFICATION

Best known decimal form Decimal form means simply that heads are grouped and numbered with common arithmetic figures used decimally. This, the only decimal form thus far carefully elaborated and published, is commonly spoken of as if it were the only possible form of our original plan; the obviously an infinite variety of 'relative index systems' in decimal form could be made by filling the outline with different heads, or with the same heads in different order.

To make out new heads involves labor and cost vastly beyond the dreams of any person who has not tried exactly this work. Time actually spent on tables here printed, by various committees and individuals, totals many years and has cost many thousand dollars. Uniform and urgent advice of the experientist is to adopt a poorer scheme already made rather than undertake so Herculean a labor. When done, the maker may possibly be better suited with it, but few if any others will be. It is wiser for anyone whose time is of value, to use it in something more practically useful to himself and his library than in trying to construct a 'satisfactory' scheme of classification. No one yet ever wholly suited himself or anyone else, and probably no one ever will. By adopting this already worked out he saves much time and money, gains the immense advantage of using a system in common with thousands of others, so that he may utilize their labors and investigations and share with them economies of cooperation.

Relative Subject Index This alphabetic Index, the most important feature of the system, consists of headings gathered from a great variety of sources, as users of the system have found them desirable in 49 years experience. After all these efforts, many new heads are added in each new edition.

The Index guides in both numbering and finding books. In assigning numbers, the most specific head that will contain the book having been determined, reference to that head in Index gives proper class number. Conversely, in finding books on any given subject, reference to Index gives number under which they are found on shelves, in shelflist, or in class catalog. When any new subject comes up, interline it and its synonyms in Index, with class number decided on, so classifier may be uniform with himself in future work.

The Index gives similar or synonymous words, and the same words in different connections, so any intelligent person will surely get the right number. A reader wishing to know something of the tariff looks under T, and, at a glance, finds 337 as its number. This guides him to shelves, to all books and pamphlets, to shelf catalog, to class subject catalog on cards, to class record of loans, and, in short, in simple numeric order, throughout the whole library to *anything* bearing on his subject. If he turns to Tables, he sees that it means class 3, Sociology; division 3, Economics; section 7, Protection and free trade; but the number alone is enough to class the book or find it, for either classifier or reader. If he had looked under P for protection, or F for free trade, or D for duties, or C for customs, or under any other leading word relating to his subject, he would have been referred to 337, or sum one of its subdivisions.

RELATIV SUBJECT INDEX

Had he lookt for 'railroad' he wud hav found after it 22 separate entries, each preceded by a word or fraze indicating the faze of the subject in the skeme. A book on railroads may treat of the desirability of government ownership, control etc. and then is clearly a question of social syence; or it may be a practical handbook for an employe, explaining business methods of railroading, running trains, handling freight, etc. when it is as clearly one of the useful arts. The clasifyer knows to which of these heds his book belongs, and the reader knows in which of its fazes he wishes to examin the subject. Moreover, 3 and 6 beginning the numbers clearly indicate caracter of each clas. But even if significance of these figures is entirely disregarded, no confuzion results, for, on consulting iether number in catalog, in skeme, or on shelve the difference is clearly seen. In other cases, it is more useful to keep books on the same subject together, tho treated from different standpoints. A glance at the Index tels iether reader or clasifyer which plan has been adopted.

All topics in blakface typ in Index ar further divided in Tables, where one may see the subheds. This saves reprinting all these subdivisions, which wud increase Index bulk many-fold; e. g. if one having a book on 'prison labor' looks in the Index for 'Convict labor' or 'Prison contracts', he finds at once its special number 331.51; but if, on the other hand, he thinks to look only for jeneral subject 'Labor', he finds in blakface typ the entry 'Labor, political economy, 331', and turning to Tables he finds under 331 the subdivision '331.51, Convict labor', the exact topic in hand.

The greatest objection to a clast catalog has always been the difficulty in knowing just where to clas a book and just where to look for it when again wanted. Different librarians, or the same librarian at different times, clast the same or similar books in widely different places. Where one man did all the work for many years, there was a degree of uniformity; but even then there was danjer of looking at the same book at different times from different viewpoints, thus cauzing confuzion. When the daily pres is ful of one faze of a subject, tendency is strong to clas all books on this subject from current viewpoint; and next year, if a different side of this same subject is before the public, there is same tendency to clas books from new viewpoint, thereby separating similar books and bringing together books on different fazes. But fortunately, practical usefulness does not require that the ideas of this or that one be followd, but only that books of same caracter be always put in same place, and that there be sum means of knowing redily what that place is. The Relativ Index, with its cach-words, was desynd and is found in use to meet both these requirements, for it insures that books on same faze of any subject cuming before the clasifyers shal be assynd to same place, and that any reader seeking these books shal be referd instantly to that place. If this is dun, all requirements of a good clasification ar fild. If it is not dun, the sistem is a failure; for the only real test of any skeme is its helpfulness to its uzers.

Sum prominent opponents of clast catalogs admit that the Relativ Subject Index, in deciding where to clas a book at first and where to look for

it ever afterwards, has removed their strongest objections. Certainly it would be impossible to make an Index more compact or easier of reference.

This Index allows a great part of the work of classifying to be done in advance by experts in large central libraries with ample resources, thus securing, at a mere fraction of usual cost, better and more uniform results than would be possible to the ordinary classifier and reducing labor to much narrower limits than ever before.

To these thousands of subjects have been carefully assigned their individual numbers, many of them after long consideration and consultation with specialists. No one person is learned enough to classify books on all subjects and sciences; but botanists can assign all botanic subjects to the right number; mathematicians all mathematical topics, and thus the Index will in time become as accurate as the best scholarship of the day can make it. Even if the decision reached is not always wisest, all practical purposes are served, because, as each classifier copies the number from some Index, all books on that subject are together; and, as each reader gets his number from this same Index, he goes directly to the book he seeks.

What Relative Index includes The Index, containing 40,000 entries and constantly being enlarged by adding new subjects, aims to include all topics expressed or implied in Tables, together with every corresponding synonym likely to be sought, but does not include most names of countries, towns, animals, plants etc. except when mentioned in Tables; e. g. it can not enumerate all species of trilobites, but when classifier has found from proper reference books that *Remopleurides* is a trilobite, the Index sends him to 565.39, and he can classify his monograph on that subject.

Tables The essential complement of the Subject Index is the Tables of Classification, so mapped out as to show in 4 ways — viz, by size of type, face of type, indentation, and number of figures prefix — each subject's rank in the Classification.

The field of knowledge is divided into 9 main classes, numbered 1 to 9. Cyclopedias, periodicals etc. so general as to belong to *none* of these classes, are marked 0 (naught), and form a 10th class; e. g. class 1 is library of Philosophy; class 5, library of Science; class 9, History, etc. These special classes or libraries are then considered independently, and each is separated again into 9 special divisions of the main subject, numbered 1 to 9, as were the classes, general works belonging to *no* division having 0 for their division number. Thus 59 is division 9 (Zoology) of class 5 (Science). A 3d division is then made by separating each of these divisions into 10 sections, numbered in same way with 0 and the 9 digits; and this decimal subdivision is repeated, till it secures as many subsections as may be needed in any topic. Thus 513 is section 3 (Geometry) of division 1 (Mathematics) of class 5 (Natural science). This number, giving class, division, section and subsection, if any, is called the class number, and is applied to every book and pamphlet belonging to the library. All geometries are thus numbered 513, all mineralogies 549, and so throughout the library all books on any given subject bear the number of that subject in this scheme.

TABLES

Where 0 occurs before the decimal point in a clas number, it has its normal zero value. Thus a book numberd 510 is clas 5, division 1, but *no* section; i. e. treats of division 51 (Mathematics) in jeneral, and is limited to no 1 section, as is jeometry, markt 513. 500 indicates a treatis on syence in jeneral, limited to no division. 0 occurring in the 1st place wud in the same way show that the book was limited to no clas; e. g. a jeneral cyclo-pedia which treats of all 9 clases.

With the same 'jeneral' sense, 0 is often uzed to indicate chanje in caracter of subdivision, meaning in this case 'basis of subdivision chanjes at this point', i. e. figure (or figures) following 0 apply to what precedes *in jeneral*, e. g. 505 indicates syence in *jeneral* treated in the form of a periodical. In history, clasification is by cuntries (i. e. *jeografic*) and as minute jeografic divisions ar needed for travels, gyd books, and varius other uses, the figures 1-9 ar jeneraly uzed for jeografic subdivisions and again for further jeografic subdivisions, as far as needed, and 0 followd by another figure for time division, i. e. the figures before the 0 indicate the locality as a whole, while figures after the 0 indicate the special time at which the history of the locality is being considerd; e. g. 942.06, consisting of 942 (*jeografic* division) and 06 (*time* division), means history of England in *jeneral* in time of the Stuarts, while 942.6 and 942.67 mean respectivly history of eastern England and history of Essex co., to which the same time division may be aded, giving 942.606 and 942.6706 as the history of those localities under the Stuarts. As any subdivision may, by ading figures 1-9, be givn 9 further subdivisions, any desired degree of minuteness may be secured in clasing special subjects.

Coordination Theoreticly division of every subject into just 9 parts is absurd. Practically it is desirabl to clas as minutely as posibl, without use of aded figures; and decimals, on which our skeme hinjes, allow 9 divisions as redily as fewer. This has proved wholly satisfactory in practis, tho apparently destroying proper coordination in sum places.

Where more than 9 divisions ar needed the difficulty is commonly obviated by grouping on singl numbers the subjects most closely allyd, or by assyning 1-8 specifcly to most important subjects and grouping minor subjects on 9 as 'Other.' Since any of these groups may be further subdivided for specific topics as needed, provision is thus made for an unlimited number of subjects.

As in every skeme, many minor subjects ar under jeneral heds to which they do not strictly belong. In sum cases, these heds ar printed in distinctiv typ; e. g. 829 Anglo-Saxon, under English literature. The rule has been to assyn these subjects to the most nearly allyd heds, or where it was tho't they wud be most useful. The only alternativ was to omit them altogether. If any such omission occurs, it wil be supplyd as soon as discoverd, for we intend to provide in the Tables a place for every known topic.

New subjects A new topic is always closely related to some existing head. If there is no blank number available it is combined with the head nearest ally, and, when important enough, abundant room for the new course is made by adding another decimal. The system is thus capable of unlimited expansion, and can never break down for lack of room for growth.

Choice and arrangement of heads Detailed explanation of selection and arrangement of the many thousand heads would be tedious; but everywhere philosophical theory and accuracy have yielded to practical usefulness. The impossibility of making a satisfactory classification of all knowledge as preserved in books, has been appreciated from the first, and theoretic harmony and exactness have been repeatedly sacrificed to practical requirements.

Sequence of allied subjects Wherever practicable, heads have been so arranged that each subject is preceded and followed by most nearly allied subjects, and thus added convenience is secured both in class catalogs and on shelves; e. g. Building (690) follows Mechanic trades (680) at end of Useful arts, and Architecture follows at beginning of Fine arts.

Students of Biology (570) find fossil life or Paleontology (560) before, and vegetable life or Botany (580) after, this followed in turn by animal life or Zoology (590), ending with Mammals (599); while Useful arts (600) begin with human Anatomy (611) under Medicine, thus giving a regular growth from fossil plant through vegetable and animal kingdoms to living man.

Cachtitles In naming headings, strict accuracy has often been sacrificed to brevity, for short familiar titles are more important than that terms chosen should express fully and exactly character of all books classed under them. Many subjects, apparently omitted, will be found in the Index, associated, with allied subjects, to a head which bears the name of the most important only. Reference to the Index will decide at once most doubtful points.

Form distinctions The classification is mainly by *subject* or *content* regardless of form (see p. 26⁵) but an added form distinction for general treatises is found practically useful.

Thus, in Science there are many compends, dictionaries, essays, periodicals and societies, treating of Science in general, and so having 0 for the division figure, but treating it under different forms, and therefore divided into sections according to this form: 501 for philosophy or theories of Science, 502 for compends, 503 for dictionaries. This treatment is as nearly as practicable, uniform in all classes. Creasy's '15 decisive battles' is 904, the 1st figure being 9, because the book is clearly history; the 2d figure 0, because limited to *no* division of class 9; and the 3d figure 4, because the book is a collection of essays.

The 10 main classes are regularly divided by form, e. g. 809, history of literature in general. For divisions, sections or subsections having *enough* general material to make such division advisable, form numbers, preceded by 0, may be used (e. g. 820.9, history of English literature; 821.09, history of English poetry), except when 0 and the following number have been other-

FORM DISTINCTIONS

wize assynd, e. g. 821.04 English lyric poetry, *not* essays on English poetry; 942.05 England in time of the Tudors, *not* a periodical on English history. A history of English literature is 820.9, not 809, becauz every book belongs to the *most specific hed* that wil contain it; so 809 is limited to histories of literature in jeneral. Books treating of many clases, such as jeneral cyclopedias or periodicals, go in clas 0 and ar then divided by form into cyclopedias, periodicals, soyeties or newspapers.

Do not confuze form number 07, meaning 'methods of study or teaching' with number for same subject under 375, which is for its value as a means of education, or for its curriculum place.

These form distinctions ar introduced at the beginning of the clas becauz the number of jeneral works is larj, and these 1st numerals wud otherwise be unuzed.

Form divisions always hav the same set of numbers, preceded by 0, viz: 1 filofosy, theories etc. 2 compends, outlines; 3 dictionaries, cyclopedias; 4 essays, lectures, letters etc.; 5 periodicals, magazines etc.; 6 soyeties, associations, transactions, reports etc.; 7 education, study, teaching, training etc.; 8 poligrafy, colections etc.; 9 history. Thus a periodical on a subject has the subject number followd by 05; e. g. a periodical on public helth, 614.05.

But if the number alredy ends in 0, 0 is not repeated before form-division figures; e. g. a zoologic magazine is 590.5, not 590.05.

Minute clasing On first publication in 1876, a common criticism was that 1000 heds cud never be successfully uzed, however desirabl so close classification myt be. As soon, however, as actual experience proved it as eazy to uze 1000 heds in the new sistem as 100 in the old, the obviusly great practical value of close clasing led one uzer after another to urj strongly publication of more subdivisions. Minute as ar many now givn there ar none that sum hav not askt for and almost none that others hav not declared needless. Subdivisions ar made in such a way that one may uze all, or any part and ignore the rest without difficulty or confuzion, thus allowing each to uze minute subdivisions where he wishes or needs them, without being forst into refinements in subjects where he has few books or litl interest. Since the degree to which any skeme shal be applyd is optional with each clasifyer and close analisis is useful to everyone in defining content or in clarifying differences between related subjects, even elaborate skemes ar printed in ful if no essential objection has been bro't against them by the best qualifyd critics. The 1st 3 figures only may be uzed when preferd, and the rest show the scope of the subject. On many topics minute subsections ar printed simply for this purpose, and for use in indexing periodicals, transactions of soyeties, and in keeping notes. Note typ is uzed for topics clearly useful only to specialists or as showing scope. Many others probably belonging in same category, if doubtful ar in regular typ of their grade.

The advantaj of close clasing is unquestiond, if the uzer knows just what it is. With this plan it is not only practicabl, but comparatively eazy. If there ar only 10 books on a givn topic, it is useful to hav them in groups among themselvs, for otherwise they wud hav only accidental order, which is of servis to no one. A reader wishing a specific book shud go, not to shelvs, but to catalog, where he can find its place quickest. If he wishes a specific subject, he is sent instantly to its exact place by the Subject Index. If he wishes to study the library's resources at the shelvs, he wil be *greatly helpt by minute clasing*. A teacher showing his pupil the material on any subject, wud, if there wer only 20 books, surely *put together* those covering same points, even if there wer only 2. Much more shud librarians group closely their greater colections, that readers may gain sumthing of the advantajes of an experienst gyd.

Thus every specialist has his own special library. If a student of syence in jeneral, he is sent to clas 5; if his department is zoolojy, his library is 59; if his specialty is shels, he finds all works and references on that subject in library 594. Whether a specialist needs it or not, every subject, being a library by itself, shows resources and wants as no catalog can. A catalog can not be made to take satisfactorily the place of handling books themselvs. This advantaj weighs most in a colej or socyety library, where many go to the shelvs; but even if only librarians ar admitted, close clasing is worth its cost becauz of aded power givn.

Tentativ tables More and more minute subdivisions hav been specialy cald for til the 1000 heds of 1873, with 2600 index entries in edition 1, hav increast til they command 40,000 index entries., in edition 11. After getting many sugjestions, sumtimes hundreds, for aditions or further subdivisions of sum subject, we draft a skeme and test it on a sampl colection. To get larjer cooperation in perfecting it we sumtimes print the new draft in Tables without including its new words in Index, so every uzer wil see what is proposed and if interested may test it on his own work and submit sugjestions for improvement. Then in the next edition, with this great help, needed revisions can be made and all new words inserted in Index. A note before such tentativ skemes calls attention to this fact, e.g. in edition 11, skemes for 069 Museums, 651 Offis economy, 960 Africa.

Nemonics Arranjement of heds has sumtimes been modifyd to secure nemonic aid in numbering and finding books without the Index; thus China has always number 1. In Ancient history, it has the 1st section, 931; in Modern history, under Asia, it has 951. Similarly the Indian number is 4; English, 2; German, 3; French, 4; Italian, 5; Spanish, 6; Russian, 7; European, 4; Asian, 5; African, 6; North American, 7; South American, 8; and so for all divisions by languajes or cuntries. Italian 5, for instance, is in 035, 055, 065, 450, 850, 945, and many others. This nemonic principl is specialy prominent in Filoloy and Literature, and their divisions, and in *form* distinctions uzed in the 1st 9 sections of each clas. Filosofy, methods or theory occurring as a hed is always 1; dictionaries

NEMONICS

and cyclopedias ar 3; essays, 4; periodicals, 5; associations, institutions and sovyeties, 6; education, 7; poligrafy or colections, 8; history, 9. In numerus cases several minor heds ar groupt together as Other, uzually numberd 9.

While Italian is always 5, 5 is by no means always Italian. Grammar is 5, Periodicals ar 5, Asia is 5, Oratory is 5, etc. Even wer it posibl, to limit 5 to Italian wud waste numbering material, and results wud not justify cost. The purpose is to giv practical aid, not to follow fanciful theory. A clasifyer marking a French grammar, remembers that all Filolojy begins with 4, and, as French is always 4 and grammar 5, he knows the number *must* be 445. Italian (5), poetry (1), is plainly 851 with no danjer of being mistaken for 'poetry of grammar' or 'theory of Asia,' becauz the numbers also hav those meanings. This feature is an *aid*, not regular method, and in all doubtful cases one refers at once to Index or Tables. Suggested difficulties ar uzually creations of injenius theorists and not outgrowth of practical experience.

Wherever practicabl, this nemonic principl is uzed in subdividing sections. 558, Jeolojy of South America, is subdivided by ading the *sections* of 980, History of South America. Jeolojy of Brazil then *must* be 558.1: nemonically, the 1st 5 is Syence; 2d 5, Jeolojy; 8, South America; and 1, Brazil. Any library attendant or regular uzer of the skeme recognizes 558.1 at a glance as Jeolojy of Brazil. This nemonic feature occurs in several hundred places, and is of great practical utility in numbering and finding books without catalog or index, and in determining caracter of any book simply from its call number. Extent of use is shown in 5 tables appended to main Index, giving alfabetic lists of (1) subjets, with clas number of each, which may be subdivided jeograficly; (2) form divisions, with figures to be aded in making such division; (3) languages, with their clas numbers, which may be further subdivided filolojicly by ading figures givn in Index table 4; (4) filolojic divisions, with figures to be aded in subdividing any languaj in Index table 3; (5) literatures, with their clas numbers, which may be further subdivided by ading form divisions from English literature.

As in close subdivision, wish for nemonic correspondence has never out-weighd any claim of greater usefulness. In many cases choice between numbers was hardly perceptibl: e. g. whether in filolojy order shud be French, Spanish, Italian. or French, Italian, Spanish. In such cases nemonic numbers wer givn preference, and 49 years use has proved this wizest. Great gain, beside eaz of remembering, results from this *uniform* use of same numbers with same meaning whenever similar division is made. Wherever division by languages or cuntries is made, it follows filolojy or history numbers, and in Tables, the note 'Divided like 900' fully takes the place of reprinting all history subdivisions. This saving justifys use of these numbers in sum cases, even where a sumwhat different order myt seem more nearly fitted to the special case; e. g. in 342, constitutional history of Canada (342.71) and Australia (342.94) next that of England (342.42) wud be better than our order, which separates them

DECIMAL CLASSIFICATION

both from England and from each other. Still by following the usual 'procrustean' numbers, many topics can be subdivided minutely without further study, by simply applying history or language subdivisions. A single illustration of the astonishing power this principle gives will suffice, though thousands may be given: 016 is 'Bibliography of special subjects, divided like regular classification', therefore by aid of tables under 581, 016.581974742 readily translates itself to all users into 'Bibliography of flora of Albany co., N Y'. While these 12 figures may never be used, if a specialist wishes minute division, it is ready to his hand, conforms to Index, and will be clearly understood by anyone familiar with our plan. A specialist in such cases would probably adopt a contraction for his long number, and use in full only the minute divisions. See p. 34^o-35² for such contractions.

Decimalism Utility has not been sacrificed in order to force subjects on the 'decimal procrustean bed'. *Decimals have been used as servants, not as masters.* When subjects are combined or separated into just 10 heads, it has been from no necessity of the scheme, but because it seemed most useful, all things considered. In many cases there were originally only 3 to 7 heads instead of 10; but usually, during years of testing before publication, it proved advisable to divide some of these heads, as it took no added space or labor. On the other hand, there were cases where more than 10 heads seemed more natural; and, as any number up to 100 is provided for by adding one decimal, this was done in most cases. As only 1000 sections were first printed, it was often necessary to put 2 or more closely allied topics together under the same number, as must still be done whenever a library limits number of figures used to 3; but during 40 years use subdivisions have multiplied, till now nearly every topic has its own special number. The scheme gives us for each topic, as it were, a case of 9 pigeonholes, with a large space at the top; and we use them as every practical business man uses such pigeonholes about his desk. If, as in 220, there are less than 9 main topics, it is often convenient to use the extra spaces for subdivisions. Thus we keep separate, under Old Testament, historic, poetic, and prophetic books; and under New Testament, the Gospels, Epistles and Apocalypses. Spaces are there, and it is convenient to use them for general works on those groups — a reason that experience proves a good answer to the charge of lack of coordination, though indentation and type in Tables make that charge baseless. Then in 280, having more than 9 topics, if we are using only 3 figures we put Congregational in same space with Presbyterian, and small denominations together in the last box, just as a business man puts his papers in his pigeonholes. If he insisted on having a different case made to order for each use, it would cost over twice as much; he could not group them together or interchange them, and they would not fit off shelves.

There has been perverse misapprehension of this feature, and critics often stumble over 'procrustean 10'. In fact, this is an element of usefulness. A railroad also has the fault that it is procrustean in its path and

in its times. It can not cum to yur door nor wait yur convenience, as did the stajecoach or carriaj; it can not go to the fields for its loads of produce; it can not turn out for obstacjs; and it is simply *because it is procrustean* that it can do its work so much better and quicker and cheaper. The paralel cud be fairly extended to many other cases, but any tho'tful mind wil recognize that the economy and eaz of working the Decimal sistem ar larjly dependent on its being procrustean. To this we owe much of the great simplicity of the Relativ Index, many nemonic correspondences, and the useful o to indicate form and period divisions. Our intersecting lines of space and time in History, etc., of languaj and form in Filolojy and Literature, and scores of similar advantajes, depend wholly on 'procrustean 10', or else on sum other number equally procrustean, but lacking the advantajes of exact correspondence to our arithmetic.

Relativ location Economy and simplicity cald not only for the Subject Index, but also for sum plan of consolidating the 2 sets of marks previusly uzed; one teling *what* subject a book treated, the other *where* the book was shelvd. By relativ location and decimal clas numbers we make our simpl arabic numerals tel of each book and pamflet, both *what* it is, and *where* it is.

In fixt relation, to find book, pamflet, clipping or note is like finding a man when yu know his town, street, hous and room.

In relativ location it is like finding a soldier if yu know his army, division, rejiment and cumpany. If John Smith is 3d man in 2d row of Cumpany B, rejiment 69, 4th division, whether the rejiment is in camp, on parade or on march, his place is not determind by the bit of ground on which he stands, but by his relation to the rest of the army. If soldiers ar ded and in the cemetery they ar as eazily found by fixt as by relativ location. But if the army is alive and militant, as every library or private working colection o't to be, its resources shud be *findabl* whether in camp, on march or in action.

In arranjing books on shelvs, the formerly common absolute or fixt location by shelf and book number is wholly abandond, relativ location by clas and book number being our chief feature. Accompanying clas number is the book number, which prevents confuzion of different books on the same subject.¹ In finding books, numbers markt on baks ar followd, the upper being the clas and the lower the book number. Clas is found in its numeric order amung clases, just as shelf is found in fixt systems. Shelvs ar not numberd, as increasing different departments, opening new rooms, and any arranjing of clases to bring books most circulated nearest delivery desk, wil at different times bring different clas numbers on any givn shelf. New books, as recievd, ar numberd and put in place, in same way that new titles ar aded to card catalog.

Thus all books on any givn subject stand together, and no aditions or chanjes ever separate them. Not only ar found together all books on subject sought, but most nearly allyd subjects precede and follow,

¹ For sugjestions regarding best forms of book numbers see p. 29^l-30^r.

DECIMAL CLASIFICATION

they in turn being preceded and followed by other allied subjects as far as practicable. Readers not having access to shelves find short titles arranged in same order in shelflist, and full titles, imprints, added subject entries, references, notes etc. in class catalog.

Parts of sets, and books on same or allied subjects, are never separated as they are sure to be, sooner or later, in a library arranged on fixed plan, unless it be frequently rearranged and recataloged, a procedure too expensive except for very wealthy libraries. Relative system class and book numbers remain unchanged through all changes of shelving, buildings or order of classes.

Among hundreds of points raised by librarians as to its practical workings and usefulness, the only one in which it was not shown to be equal or superior to earlier systems was that in this relative location a book which this year stands, e. g. at the end of a certain shelf, may not be on that shelf at all another year, because of uneven growth of parts of the library. This slight objection, however, inheres in any system where books are arranged by subjects, rather than by shelves, windows, doors, and similar non-intellectual distinctions.

Sizes on shelves Most libraries have abandoned close distinction of sizes. It is true that this distinction saves a little space, but at far too great a cost; for every distinction of sizes makes a parallel classification. If books are grouped in 5 sizes, one must look in 5 places before he can be sure of having seen them all.

It is better to shelf octavos and all smaller books together in 1 series, and arrange in parallel libraries only quartos and folios, which are too large to stand on regular shelves, showing series in which any oversize book is put by a size letter prefix to the book or class number; e. g. 749 qA or q749 A shows that book A on Artistic furniture is too large for regular shelves, and so is placed in q or quarto series. Or use a wood or pasteboard dummy to show location of a book not in its regular place. But, however solved, size problems are no more troublesome with Decimal than with any other classification.

Catalogs

Any system of catalogs may be used with this scheme, but the 2 essentials of even the simplest system are name or author catalog and shelflist. The chief uses of this system for catalogs are for shelflists and for class catalogs on cards.

Name catalog In this, arranged strictly by names of authors and of persons or places written about, the class number holds a subordinate place, yet is constantly useful. If printed, it appears in a single column as in the Relative Index, and where there is no subject catalog one can rapidly pick out books on any topic by glancing down column for class number wanted.

Shelflist Here class number is again highly important, as it makes this list the most useful form of brief subject catalog, giving author's name and brief title of every book on specific subject bearing that class number.

Clas catalog In the clas card catalog the clasification is mapt out abuv the cards by projecting gyds, making reference almost instantaneous. Subjects ar arranjed in 1, 2, 3 order of their decimal subject numbers exactly as in clas tables, and cards of each subject ar then subarranjed alfabeticly by authors (or, in sum cases, e. g. biografy or local history, by subjects) or cronologicly, or by book numbers.

The printed subject catalog on this plan is also most compact and satisfactory in use. Under each clas number ar givn the library's resources on that subject, the heding giving, for convenience, name as wel as number of subject; e. g. '513 Jeometry.' Jeneral notes ar printed in finer typ under jeneral heds, and a relativ index at the end shows just where to open the book to find any topic. As clas numbers ar put in place of page numbers, this index servs for *any* catalog, list or library arranjed on this plan.

Dictionary catalog The dictionary catalog is as eazily uzed with this sistem as with any other, and is at present on the crest of its wave of popularity. Its failure to meet skolars' requirements has often been pointed out. While far the best for an index, it stil leavs much need of a good clas catalog. But difficulties both of making and of uzing a clas catalog wer formerly so great that there was a conviction among many librarians that notwithstanding its great advantajes, the idea must be abandond as impracticabl, while other eminent authorities ably argued that the poorest clas catalog was better than one unclas, and that any use of such a catalog was in itself a lesson in bibliografy. Now that the serius difficulties of making a good clas catalog hav been so larjly removed by the simpl arabic numerals and Relativ Index of this decimal plan, the merits of clas over the more common dictionary sistemas ar dubly prominent.

The Subject Index of this sistem is a skeleton dictionary catalog, covering everything not fully covered by the 'name catalog'. Insted of giving book titles under each hed, the number *refers* to all those titles simply and directly. The index may be made on any of the varius dictionary plans, with all the advantajes it may possess. To us, simplest seemd best. We giv only short heds with brief indication in doutful cases of viewpoint taken in assyning clas numbers.

We therefore unite advantajes of dictionary and clas catalogs, not by mingling them and so losing much of simplicity of one and as much of excelence of the other, but by realy uzing both, each with its own merits. Only one set of titles is needed, for our clas numbers make this availabl for both catalogs.

Advantajes

Shelvs The sistem on the shelvs is the simplest form of relativ location. Many libraries hav adopted it for shelf arrangement, where catalogs recently printed, or larj investment in another plan, made it too expensiv to chanje anything else. For its great advantajes for shelvs see p. 19⁴-20⁴, Relativ location.

DECIMAL CLASIFICATION

Shelflist By simply printing the shelflist at any time an admirable subject class list is made for any topic on which there may be present interest; e. g. if a town contemplates a new water supply, interest is greatly stimulated, and everything about waterworks is wanted. The librarian has only to open his shelflist to 628.1 and 352.6 and print it. This great advantage is gained with but slight variation from the form found best in its regular use as a shelflist for examination of shelves to detect losses and misplacements.

Accession book Where shelf mark columns are used, tables of number of books added on each subject are readily made. A glance shows character, by subjects, of books added during any given period; for, wherever this class number occurs, it tells not only *where* the book is shelved but also *what* it is about.

Pamphlets These class numbers applied to pamphlets, whether cataloged or uncataloged, have proved specially satisfactory. Number is written on upper left corner, and pamphlets are shelved in pamphlet boxes, side by side with books on same subject, or they may be kept in vertical files or on special shelves divided every 10 cm by perpendicular partitions, or, if preferred, each pamphlet may be put in exact place as if bound. Little expense is incurred, and yet entire pamphlet resources of the library on any subject can be produced almost instantly. The immense advantages of this class arrangement, both in economy and usefulness, will be appreciated by every keeper of a pamphlet collection. A name or author catalog is made on slips if time allows. The pamphlets themselves are the best subject catalog. Placing all material under its class number on regular shelves, has the great advantage of enabling anyone examining a subject to see all resources in 1 place, so far as possible.

Sale duplicates The same arrangement is admirable here. Duplicates are so constantly changing that a catalog can hardly be afforded, and a subject arrangement on any other plan than this is difficult to maintain. Still, it is very essential that there be some means of knowing what duplicates there are on any given subject. By simply penciling class numbers on books and arranging these numerically, it is possible to give the information more quickly, cheaply and satisfactorily than in any other way.

Charging system Class numbers may be used for charging with the following advantages: Minutest statistics of circulation can be made by simply counting charges and entering the number for each class on a report sheet. If filing is done by call numbers, as either a primary or a secondary consideration, whereabouts of any book lent or amount of use of any subject is quickly found; file gives an up-to-date record of all books lent in any subject, e. g. cards filed under 52 show for Astronomy or those under 822 for English drama just how many and what books are out and who has them. Such a circulation table, always at hand, and with no extra expense or labor, since it is a natural part of the system, is highly prized by all interested in character of general use of the library, while it can be

ADVANTAGES

trifling labor be converted into a permanent record by entering on a report sheet. If a reader's card is used, character of the individual's reading is here shown and never before has so much attention as now been given to educating readers' tastes.

Subject references For these it has peculiar advantages. Many users are undertaking analyses and cross references to an extent hitherto thought wholly or almost impossible. These few figures tell as clearly as a long heading exactly what the reference is, while gain in ease of use is even greater than in time and space saved in recording. The clearness and directness of the method aid wonderfully in this work. References to transactions, or chapters in essays, may be made in the most compact and usable form. See also p. 37¹-39⁵ Bibliographic modifications.

Recataloging or reclassifying When Amherst College in 1873 first adopted this plan and began to recatalog its library, it was found (as in hundreds of cases since) entirely practicable to change to the new system gradually, as means allowed, without interfering in any appreciable degree with circulation. Methods employed for thus changing without interrupting use must vary according to different conditions. The essential feature is enough distinction between old and new call numbers to be easily recognized by attendants. If old call numbers consist wholly of figures, the initial letter of the Cutter author numbers furnishes this requisite. All numbers of figures only are then recognized as old, and all numbers containing a letter as in the new system.

Adaptability The system is so flexible that it adapts itself to almost any circumstances. It may be used with proportionate results in almost any one of its applications without the others. It may be applied to pamphlets alone, bringing order out of chaos, and solving this vexatious and vexing problem; or it may be used for catalogs, leaving shelf arrangement as before; or it may be applied to shelves, while the catalog is dictionary or any other type.

Arabic numerals Arabic numerals can be written and found quicker and with less danger of confusion or mistake than any other symbols. Therefore roman numerals, capitals and small letters, and similar symbols found in most classification systems are entirely discarded, and by exclusive use of arabic numerals throughout shelves, and indexes, catalogs and other records, there is secured the greatest accuracy, economy and convenience. This advantage is specially prominent in comparison with systems where author's name or the title must be written, in calling for or charging books and in making references.

Endowment of special departments Another great advantage is peculiar adaptability to special endowments. One specially interested in any subject can often be induced to endow that subject, thus providing for buying each year all the best publications.

If John Doe is specially interested in opera, the library says: 'Give us \$1000 as endowment of 782, and we will call it the 'Doe Library of Dramatic

DECIMAL CLASIFICATION

Music.' There will be found every book, pamphlet, newspaper clipping, or manuscript that the library has or can get on this subject. Gifts from others will be placed in the Doe Library, the donor's name being given on the bookplate, and for generations to come every person interested in opera will be grateful for your foundation'. In this way 782 is assigned to John Doe, and his pride is stimulated in developing it. If another man with larger means and interest will endow the whole subject of music 780, there is no difficulty or impropriety in including 782, the Doe Dramatic Music Library, as the 2d section of 780, the Roe Music Library.

This is one of the most promising fields for development, for almost every library has among its readers some specially interested, who if properly approached would endow some topic, even if a small one, and this relative location, with its definite number expressing just the ground covered, may be of great service in working up these special endowments.

Summary To sum up its claims: It is comparatively inexpensive; easily understood, remembered and used; practical rather than theoretic; brief and familiar in nomenclature; susceptible of partial and gradual adoption without confusion; convenient for arranging pamphlets, sale duplicates, and notes, and for indexing, and in keeping statistics and checks for books off shelves; a satisfactory adaptation of card catalog principle to shelves. It shelves books compactly; uses simple and few symbols; can be expanded, without limit and without confusion or wasted labor, both in catalogs and on shelves or in catalogs alone; checks thoroughly and conveniently against mistakes; admits readily numerous cross references; is unchangeable in its call numbers, and so gives them in all places where needed; in its Index affords an answer to the greatest objection to class catalogs, and was the first satisfactory union of the advantages of class and dictionary systems.

Suggestions to users

Hold book in right hand and turn with left, then both class numbers and index heads show most plainly on left margins and reference is quicker when eye follows left pages only.

Numeration In thinking or speaking of class numbers, to avoid confusion **always divide at the decimal point, and name it**; e. g. read 942.27 'nine forty-two, point twenty-seven', never 'ninety-four two twenty-seven'. If 'point' were omitted, the ear might readily interpret 270.2 (two seventy, two) as 272, while 'two seventy, point two' can never be misunderstood.

Plan of book

Tables First page shows 10 classes into which all topics are divided. Next page shows 9 divisions of each of these 10 classes, in a birdseye view of the whole scheme on a single page. Then follows a synoptic view of 10 pages, one for each class, showing the 9 sections of each division of each class.

PLAN OF BOOK

Following these sinopses is the complete clasification, which repeats in proper order, clases, divisions and sections, with all subsections. For convenience of uzers, who thus get fuller and clearer ideas of the field which each number covers, sinonimus terms, exampls, brief notes, dates and varius cachwords ar often aded to main heds. Therefore all references to numbers **shud be lookt up in the ful tables** of subsections, uzing summaries only when a merely sinoptic view is wisht.

Index Next an alfabetic index of all heds refers by clas number to exact place of each in Tables. This Index includes also, as far as found, all sinonims or alternativ names for heds, and any other entries likely to help a reader find his subject more redily. Even a uzer who knows just where to turn to his subject in the Tables, may, by consulting the Index, be put on the trak of valuabl allyd matter which he myt otherwise overlook.

Use of Tables and Index

Familiarity with clasification Get a jeneral knowlej of the skeme by lerning the 10 main clases [yu wil soon know the 100 divisions also without special study], so that yu can tel to what subject a givn number belongs from its 1st figure, without referring to Tables. Specific knowlej of minute divisions wil cum gradually, but rapidly, from use. Assyn numbers by uzing Tables alone, and then always verify yur result by the Index. Thus yu wil more rapidly acquire knowlej of the Clasification and facility in its use. To do this, decide first to which of the 10 clases the subject belongs; next, take that clas as if there wer no other, and decide to which of its 10 divisions the subject belongs; then, in the same way, select section and subsection, thus running down yur topic in its groovs, which becum 10-fold narrower at each step. **As a chek against error, even tho familiar with the skeme, uze Index freely.**

Subject of a book To find this out, consult:

1 **Title**, since it is jeneraly chosen to show what the book is about, but as many titles ar vague or misleading, never clas from title alone but always examin also

2 **Contents table**, which is best gyd to true subject. If there is no contents table read

3 **Hedings of chapters**, or marjinal topics

4 **Preface** Unless alredy certain, glance thru this to cach author's viewpoint and verify impressions gaidn from title and contents

5 **Reference books** If preceding means fail, consult reliabl bibliografies, clast and annotated catalogs, biografic dictionaries, histories of literature, cyclopedias, reviews etc. for information about caracter of book.

6 **Subject matter** If 5 shorter methods abuv fail, examin subject matter of book itself, and if stil in dout, to avoid mistakes, put aside on an 'under consideration' shelf til yu can examin more thuroly or consult

7 **Specialists** Experts ar uzually glad to examin any new books in their departments, enuf to clas them, i. e. to define their true subject and relations. Old ones they know where to put alredy.

DECIMAL CLASSIFICATION

Be specially careful when dealing with flexible terms, e. g. child welfare, to make sure of the character of its application in that individual book.

After deciding what the book is about, find this subject in Tables, either thru Index or by using Tables directly, which for beginners is a longer process, seldom to be trusted without subsequent reference to Index; e. g. Pollock's *Land laws myt* naturally be classed from Tables alone as '333, Land: ownership; ryts; rent', which seems exactly to fit this book. Index, however, shows 2 numbers, both referring to land laws, but from different viewpoints; viz, 347.2, legal, and 333, economic. The object of this book, as seen in the preface, is to give a popular presentation of English statutes pertaining to landholding, not to discuss history and theory of land laws from economist's viewpoint. It should be classed '347.2, Realty', which myt have been mist but for Index.

Assigning class numbers 1 Practical usefulness controls. Put each book under the subject to the student of which it is most useful, unless local reasons 'attract' it to a place still more useful in your library. See p. 27⁴.

2 *Content* or real subject of which a book treats, and not *form* or accidental wording of title, determines its place. Following this rule, put a philosophy of art with Art, not with Philosophy; a history of mathematics with Mathematics, not with History; for philosophy or history is simply the *form* which these books have taken. Their true content or subject is Art or Mathematics, and to the student of these subjects they are most useful. (See also p. 14⁶)

3 Always remember that the question is not 'where will one probably look for a certain book', but 'under what subject is the book of greatest value'; e. g. it is of little consequence whether 'one would be apt to look' under 595.1 for Darwin's *Formation of vegetable mold*, but of much consequence that one studying earthworms should find that book in 595.1 Worms, since it is chiefly valuable as a study of earthworms' habits. Anyone wanting that special book should look for it in catalog under Darwin.

4 Assign every book to most specific head that will contain it. This varies in different libraries according to number of figures used, e. g. specific head for 'compulsory vaccination' is 614.4738; but in a library using only 3 figures, 'most specific' number possible is 614, which must take everything on Public health.

Sometimes a library unwisely puts all books of a division together, if but few; e. g. all mathematical works are marked 510. It takes just as many figures and in most cases just as much labor and if a man wants the 1 calculus in the whole library he has to search thru perhaps 100 volumes in 510, when otherwise he would instantly find it standing alone as 517. See also p. 28¹, Number of figures in class number.

5 'Predominant tendency' or obvious purpose of a book usually decides its number at once. Still a book often treats of 2 or more subjects. In such cases put it where it will be most useful, and make added entries for all subordinate subjects. For a classed catalog give the added entry numbers on both bookplate and main subject card as well as on added entry cards.

ASSYNING CLAS NUMBERS

It is a markt advantaj that these aded entries, notes etc. may be made from time to time at convenience. It is necessary at first to determin only predominant tendency of book in order to clas it; aded entries ar made whenever found desirabl.

Supply these numbers indicating more closely caracter of book as rapidly as posibl, and invite all specialists, in connection with their reading, to call attention to every desirabl aded topic notist. The numbers take litl room, ar eazily aded, and in most cases ar very valuabl.

6 If 2 subjects hav distinct page limits, jeneraly clas under 1st and make analitic entry under 2d; but if 2d is decidedly more important or much greater in bulk, clas under that, with analitic entry under 1st. Always put a book under 1st subject, unless there is good reason for entering it under another.

7 Consider not only scope and tendency of each book, but also nature and specialties of each library.

Any subject of which a library makes a specialty naturally 'attracts' allyd subjects. This influence is strongest in minute clasing. To admit this variation, many subjects hav in this skeme 2 or more places, according to these different sides; e. g. a book on 'skool hyjien,' which a medical library puts under 613, has also a place in 371.7, where education specialists require it.

8 If a book treats of a majority of the sections of any division, giv it division number, insted of most important section number with aded entries. Unless sum one section is so prominently treated as to warrant placing the book in it, clas a book covering 4 or more sections under division number; e. g. clas a volume on lyt, heat and sound, under hed most fully discust, with aded entries for the others; but if it treats also of mekaniics, hydrostatics and neumatics, clas as 530, or jeneral fizics, tho no mention be made of electricity, magnetism or molecular fizics.

9 When a book deals with 2 consecutiv and closely allyd subjects, jeneraly clas with 1st and regard this as including 2d, but if 2d is decidedly predominant, clas with this and iether disregard 1st or make aded entry, according to importance of that portion.

10 To secure uniformity, make for future reference ful notes of all difficulties and decisions; for it is more important to put books on same subject *together* than to put them in a more nearly absolutely correct place. These notes shud be writn on broad marjins of the Clas Tables or in an interleavd copy or on P slips arranjed by clas numbers like a clast catalog.

11 Keep colected works, libraries etc. together, and assyn, like individual books, to most specific hed that wil contain them; or assyn to most prominent of varius subjects treated, with aded entries for others; or, better, separate and clas parts as independent works.

This last practis constantly grows in favor, and many librarians now larjly disregard uniform bindings and 'series' lettering, and, unless contents of volumes ar so connected that they can not be separated, clas each under most specific hed that wil contain it.

12 Clas translations, reviews, keys, analyses, answers and other books *about* specific books with original book, as being there most useful.

Number of figures used in clas number Decide this according to circumstances in each library. Small libraries often use minute subsections beyond 3 figures only in certain divisions like Travel, 913-919, where closer geographic division is specially needed, and in 400 and 800, when a 4th figure is needed to separate different languages.

In very small collections 2 figures may do till growth required further division; but it is economy, and saves handling books again, to use at least 3 figures at first, even in smallest collections. In larger or rapidly growing libraries all subdivisions may be used for same reason, though number of books may not then seem to justify it. Whether there are 1 or 1000 books on any topic, they take no more shelf space if classed minutely, and work is done once for all. When large accessions come, even if a century later, this number will not have to be altered. A library having but 20 books on Education may think it unwise to use the full scheme, but the whole 20 would go on a single shelf, and take no more room, and the Index would refer more accurately to what was wanted. Number of books you have on any subject has in this system no special weight. In relative location, any number of consecutive topics without a book wastes no space on shelves or in catalogs. Numbers are merely skipped. This not only does no harm, but has great negative value, as looking for a number and finding it blank or skipped shows that you *have nothing on that subject* — information added in value only to finding something, for one need no longer search.

The practical objection to close classing is that it gives a longer number, when this is used to charge by in a lending library. In a reference library full subsections should always be used. Where short numbers are imperative, give full class number on another part of the bookplate, not to be used in charging, but as a guide to contents. Thus when a classifier has once examined a book and found out just what it is about, he records it to benefit others.

Bilding numbers

Geographic divisions In dividing by countries according to note 'Divided like 930-999', found so often in Tables, add only the number following initial 9, for this 9 means not locality but simply class 9, History; e. g. 942, history of England, analyzed is 9, history, 42, England (4 Europe, 2 England). If geology of England is wanted, add to 55 (geology number) 42 (number for England) and you have 554.2. History of N Y state is 974.7 of which 747 is locality number; 353.9747, number for N Y state administration, is built by adding to number for state administration, 353.9, number for N Y state, 747.

Language and literature In 890, where directed to 'divide like 490,' note that 890, Minor literatures, and 490, Minor languages, correspond exactly, so that only figures following 49 are to be added to 89 to build a minor literature number; e. g. Polish language is 491.85; adding 185 to 89, Minor

BUILDING NUMBERS

literatures, gives 891.85 Polish literature. In brief, to form literature from filology numbers substitute 8 for 1st figure, 4; e. g. Sanskrit language 491.2, Sanskrit literature 891.2. Under 490, the filologic divisions (dictionaries, grammar etc.), and under 890 the form divisions (poetry, drama etc.) should be used only when class number represents a *specific* language or literature, e. g. 491.7 Russian, but *not* 497 North American, awaiting further division by language.

If directed to 'divide like main classification', as in 016, number for required subject is added exactly as it stands in Tables; e. g. bibliography of Polish poetry, 016.891851.

Combining numbers in a way not printed in Tables must be done with great care or confusion results. Many users, fascinated with the possibilities of the system, make combinations more ingenious than useful; e. g. 'The horse's foot and how to shoe it' was once marked 636.1682, i. e. blacksmithing number, 682, added to horse number, 636.1, making a long, useless number. Horseshoeing is now in Tables as 682.1, while 636.168 means 'American ponies'.

Often a classifier adds a figure to show some distinction. It seems short and desirable, but later he may find he has shut himself off from using some other division greatly preferred. For his personal additions, letters or other symbols not numbers should be used. Every added symbol must be clearly written in Tables and Index. Never trust memory for decisions.

See also p. 32¹-34⁹, Letter or symbol notations for changes or additions.

Book numbers

The call number of a book (number by which it is called for) generally consists of both class and book numbers. The same class number applies to all books on same subject; the book number distinguishes each individual work from all others in that class, and is the same for all volumes or copies of same work. When a specific volume is wanted the number for that volume must be added to class and book numbers to complete the call number. Most important methods of assigning book numbers are:

Author numbers Invention of translation systems by which a name is represented by its initial, with remaining letters translated into numbers, e. g. Freeman, F85, has led most libraries to arrange books under each class number alphabetically by authors, or in local history by towns, or in individual biography and bibliography by biographees and bibliographees. This keeps together all works by same author or on same town or same biographee, etc. and even in large classes enables one to find any book readily without consulting catalogs. One great advantage is that same author has same book number in every subject; i. e. figures are 'significant' like our class numbers, and translate themselves into names. Great practical mnemonic convenience results from this form of book number. Most widely used of these translation systems is C. A. Cutter's, known as 'Cutter numbers'.

DECIMAL CLASIFICATION

Special author tables A 2d method, for authors having special numbers, e. g. Shakspeare, 822.33, or Milton, 821.47, is uniform use for such authors, of book numbers A-N, with O-Z assynd on basis of their individual work, as illustrated on p. 987-88.

Time numbers A 3d arrangement of books under clas numbers is cronologic by date of 1st publication. Its advantaj is in presenting historic development of subject, the book writn erliest being on the left, the latest work on the ryt, and then of any givn book it is evident that all those on the left wer writn before it, all those on the ryt after it. In syence and useful arts this has special value, while in literature author arrangement is better. W. S. Biscoe's translation sitem of dates givs a more compact and satisfactory mark for year than date writn in ful.¹

Accession order A 4th arrangement, simpler but otherwise les desirabl, is in accession order; 1st book put in a clas being numberd 1, the 2d 2, the 3d 3.

It is entirely practicabl to uze 2, 3 or all 4 of these methods at same time in same library, one peculiarity of the sitem being the eaz with which it may be adapted to almost any special circumstances. The advantajes of the cronologic numbering ar most markt in syence and useful arts; the alfabetic is best in clases where names of authors or subjects outrank dates; and special author numbers in cases where clas number already indicates author, so corresponding indication in book number wud be useless duplication; while the old accession-order plan is good in special collections which must be kept separate and ar no longer aded to, since here the extreme simplicity of 1, 2, 3 order is secured with no sacrifice. It is stil better, if this last method is uzed, to adopt A, B, C, insted of 1, 2, 3, as 26 insted of 9 books may be markt with 1 character, and chiefly becauz it is hily desirabl that each book number begin with a letter, which can not be mistaken for end of clas number if writn on same line; e. g. 1st book under 513, if numberd 1, myt be so writn as to confuze with subsection 513.1, but 513A cud not be misinterpreted. If figures ar uzed, take care to write them as a fraction or with separating dash; e. g. 513
or 513-1.

Variations practicabl in adjusting to special local requirements

Sum uzers assume that adopting the Decimal Clasification and Relativ Index carries with it other parts of the sitem uzed by the author at Amherst, Wellesley or Columbia colejes or in New York State Library. In fact, the plan in each differd sumwhat from all the others, and many of the thousands of public and private libraries now uzing it hav adopted stil other variations; for special constituency, circumstances and resources of each library must be considerd in deciding what is best for it. This decision

¹ For ful explanations and table of Biscoe numbers see p. 984-85.

shud be made by one familiar, not only with the library and its needs, but also with all methods of any merit and with comparativ eaz and cost of introducing them into any givn library.

Cautions Having decided to adopt this sistem in its *decimal* form as workt out and printed, determin whether to adopt certain variations, noted in 1-5 below as practicabl, and in sum cases useful and desirabl. The inexperienst uzer is very likely to feel entirely competent, without reading more than a singl paje of the Tables, regardless of its bearings on hundreds of other places, and without so much as looking at the author's explanations, to institute a series of 'improvements'. Experience shows that nothing cud be more disastrus. It seems a simpl matter to put a topic a line hyer or lower, but in sum cases this may affect over 100 Index entries, and there is no posibl way to be sure of correcting them except by examining each of 40,000 heds. Proposed chanjes, carefully studid out and submitted as improvements, ar frequently shown by our old records to hav been adopted and uzed in the exact form proposed til unforeseen considerations forst us to chanje to the form as printed. Even after years of experience one is not safe in pronouncing on an apparent improvement without consulting voluminus records of previus experiments.

Even sum who hav uzed the sistem longest hav been misled into adopting chanjes which on tryal they wer compeld to reject, going bak to orijinal form at cost and confuzion of 2 chanjes. In so apparently simpl a thing as introducing subdivisions on blank numbers, mistakes ar often made; and when too late to correct them the makers regret their neglect to consult the editor and secure advice and cooperation of those most familiar with the manifold interrelations. Even wer the independent divisions equally good, they do not agree with those which wil later be printed in Tables and Index, so that every copy of the printed skeme wil hav to be corrected in manuscript before it is uzabl in that library. The only safe rule is to *make no chanjes or subdivisions* without submitting them to the editor, who wil gladly advize on such matters without charj, not on the ground of any superior wizdom, nor even becauz of larjer experience in this special work, but becauz in this way only can it be lernd if corresponding subdivisions hav been alreedy assynd sumwhat differently.

A uzer who adopts printed form avoids criticizm sure to be aimd at any posibl skeme. The moment he makes 1 'improvement' he must defend all his heds or alter them to suit each critic. Much time is saved by saying that the skeme is uzed **as printed**, and blunders ar the author's, not the uzer's. A list of chanjes made by others without consultation was writn for this caution, but is omitted lest it seem invidius. They illustrate how eazy it is for able men to make what no one questions after explanation to hav been outryt blunders, in 'improving and ading' to the printed skeme. We ar always grateful for sugjestions from anyone, and, having alreedy spent so much time in efforts to improve this sistem for the common good of all uzers, invite cooperation of those interested in completing needed subdivisions and eliminating any errors that remain in iether Tables or Index.

Suggested variations

The following brief notes show the most important variations found practicable in the 'relativ index and location sistem,' oftener called the Decimal Clasification or 'Dewey sistem', or oftenest simply 'D C'. For its essentials see p. 9⁴.

1 Letter or simbol notations for chanjes or aditions To protect other users from confuzion, the publishers insist, as entitled to by copyryt, that D C numbers shal not be printed with chanjed meanings or aditions, without sum clear indication of the fact in the number itself. If reasons which led to adoption of form printed ar not conclusiv to another, we wish to remove any obstacels to his use of the sistem with such chanjes as shal satisfy him. This can redily be dun by uzing a letter or sum other character than the 10 dijits, to mark chanjes; e. g. if yu wish a different set of subdivisions under any number, make it out to suit, and letter it a, b, c, etc. It wil arrange in its exact place and exact order without difficulty, and no other uzer of the sistem wil be confuzed by yur forms. In Index, cancel 1, 2, 3, etc. yu hav discarded, and write in a, b, c, etc. adopted. **Whenever yu uze our exact numbers, uze also our exact and universal meanings for them as indext.** For any aditions or chanjes of yur own, uze letters or simbols of yur own which can not be mistaken for ours, uzing, of course, our figures to the place where difference begins; e. g. if yu want a new heding next to 551.34, Icebergs, it can not properly go as decimal 1. Mark it 551.34a, and it arranges as wisht. If yu wish to chanje a hed from one place to another, cancel it where it stands, and *leav that number blank* in Tables. Then insert the hed in its new place as abuv, as if it had never been in our Tables. Unuzed decimals ar often *alredy appropriated* for authorized subdivisions, tho they may not be printed til several editions later.

This plan of introducing letters or other simbols wherever each uzer pleazes, wil giv all needed freedom to the personal equation and desire for 'orijinality', and meet all real wants for peculiar clasification in peculiar cases.

Fiction In sum cases it is uzually best to modify clas numbers by letters as abuv. In popular libraries half the circulation is often fiction. It is a great saving to omit clas number entirely and uze merely book number, it being understood that *no* clas number means 'fiction'. Sum libraries go stil further and for fiction omit book number as wel as clas number. Sum even omit book numbers altogether.

Juvenils After fiction, great circulation makes juvenils a good place to economize, if they ar kept separate, as is uzually desirabl in popular libraries. Books ar clast as if for adults (except that a short number may be uzed) J being prefixt to show their special character. This givs J alone as clas number for juvenil fiction; J942 is a child's history of England. These books ar arranged in a paralel library by themselvs, so J942 cums between J941, juvenil history of Scotland, and J943, juvenil history of Germany.

VARIATIONS FOR SPECIAL LOCAL REQUIREMENTS

The separate J library can at any time be abandoned by distributing J books among the regular classes, either ignoring J entirely, or preferably by putting all J books by themselves at end of each class number. In former case, if shorter numbers have been used for juvenils than for adults they should be extended to correspond; in latter case, numbers may either be extended and the books shelved at end of exact subdivision, or the shorter numbers may be retained and the books grouped at end of entire section, e.g. *all* juvenil works on English history may be kept under short number J942 and shelved after all adult works on English history, both 942 alone and 942 with subdivisions.

There are thus 3 methods: 1, to have a separate J library; 2, to have J books by themselves at end of each class number; 3, to have J books in alphabetic order among other books on same subject. In this last case J is useful only to call attention plainly to their juvenil character.

Unless shorter numbers are used for juvenils than for adults the same marking is used for all these plans, and one can be changed to another by simply distributing books the other way and telling attendants.

Biography For this large class, opinions differ as to best treatment. Beside the plan printed in Tables 2 others are widely used.

1 Put all biographies in one alphabet of names of *persons written about*, marking all books simply B for class number, and indicating the subject or biography by a Cutter book number; e. g. life of Grant, B G76. This is most compact for charging, and is preferred in popular libraries of large circulation.

2 Distribute biography as far as possible to subjects it illustrates, leaving, of course, under 920 lives not bearing specially on any subject; e. g. all lives of musicians go under 780 and its subdivisions, life of Wagner being 782.2 instead of 927.82 as in Tables. Even in this arrangement it is better to indicate that it is biography, putting B in place of biography figures 92; e. g. mark Wagner's life B782.2 (927.822). Then it arranges either with 782.2 or with biography, as preferred, thus giving exactly the arrangement of the printed classification, without changing a figure.

Parallel libraries This treatment of fiction, juvenils and biography illustrates the principle. Its other chief application is for language collections. Some libraries have a constituency not reading English, and so need a parallel library in Italian or Swedish, etc. This is most easily made by simply prefixing language initial to class number. If arranged in one series of subjects this initial is ignored, or all books in the special languages may be grouped under initial letters at end of each class number. The parallel library is made by simply putting together all books having same language initial and then arranging by class numbers. Initials used are F, French, G, German, I, Italian, Sp, Spanish, Sw, Swedish, Dn, Danish, Du, Dutch, N, Norwegian, W, Welsh, A, Arabic, etc. Where only 1 language is so marked in a given library, generally only 1 letter should be used, so as to avoid an extra letter in charging; e. g. S will answer for either Spanish or Swedish if

DECIMAL CLASIFICATION

used in only 1 sense. A prefix letter may, however, have been used with a different meaning, e. g. R for Reference, necessitating more than 1 letter for the language prefix, *even if only 1 language* is represented by the initial, e. g. Ru for Russian. This plan has proved very satisfactory in actual use.

Combining language and literature The same principle can be applied also in combining each language with its literature, if it is preferred to abolish the class Filology, and make it simply an appendix to Literature; and the reverse would hold true if a filologist wishes to abolish Literature and make it an appendix to Filology; e. g. using 82f for English filology, and adding filology subdivisions, English dictionaries would become 82f3, English grammars 82f5, etc. arranged either just before or just after English literature, 820, 821, etc. For a better plan see p. 35^o-36^o, Broken order.

Reference library To separate books most needed, the best plan is to mark R before class numbers, and arrange books together as an R library. When books are to go into the general collection again, draw a line through this letter.

In the same way it frequently happens that a general private library is given on condition that it be kept together; e. g. Phoenix library of Columbia University. This has P prefix to class number, and thus is a parallel library by itself. An initial is better than a * or similar mark, for it helps memory and is just as brief. The same plan applies if the library has an 'inferno' for books not used without permits, or for distant rooms where books worth keeping but seldom called for can be arranged in a parallel storage library.

Still another provision is made in 080, 8 being regular number for general collections (as in 508, 520.8 etc.), for those special libraries which can not be separated because of binding or conditions of gift; but instead of the 3 figures in 080, a single letter, as described above, indicates the special collection, and it is easy to learn location of the few special collections of any one library.

Omission of initial 0 in the class 'General works' has been tried; e. g. 51 instead of 051 for an American periodical, but is not advised, for the eye gets so in the habit of reading as *Syence* any number beginning with 5, that there is a mental hitch if, e. g. general periodicals are written 51, etc. instead of 051, etc. Another reason is that the 1 and 2 figure numbers 1-99 are thus left available, and can be assigned to special use without confusion with Tables or Index, for initial 0 is there printed for all numbers before 100. Yet in classification it sometimes happens that the 1st 2 figures are obvious at a glance, but time must be taken to determine the 3d. It is convenient to write these 1st figures, but if a mathematical book receives its 1st 2 figures (51), this unfinished number is likely to be confused with the 2-figure number 51. This danger may be largely avoided by writing the decimal point after a blank; e. g. 51 ., to show that a figure is omitted.

2 Contractions for specialists The system is often used by specialists for very minute work, where decimals run out to 6 or more places. Theoretically it is better to write all these figures, thus showing relation to

VARIATIONS FOR SPECIAL LOCAL REQUIREMENTS

the universe of knowleĵ, but there is no practical gain to justify the labor if a great quantity of slips must be numberd. A specialist working on 'Swedish poetry of the aĵe of Gustavus' can uze a singl letter insted of the ful 839.715 and save 5 caracters in numbering each note; or a dash may be writn for all but the last figure, thus '— 5'. A body of such notes can be inserted together in their place in an index at 839.715, with a colord card to mark the special groups, with litl danjer of confuzion. Stil a stickler for theoretic completeness wil write a ful index number for each separate slip.

3 Use of alfabet or cronoloĵy for final subdivisions While our plan is decimal as distinguisht from 'dictionary' we always alfabet wherever that is more useful. Indeed, the main feature of our plan is its alfabetic Relativ Index. Frequently in minute divisions it is economy to arranĵe alfabeticly or by dates without uzing a translation sistem. This is specially true in index rerums and notes of specialists. After numbers hav been uzed as far as that is the most useful form, then iether the name chosen for hed or the year can be inserted at the end; e. g. towns in a givn state, individual birds or insects cuming under one number, names of men writn about in biograĵy, etc. Sum may prefer to adopt this plan in places where we hav chosen a grouping; e. g. in chemistry, to put all metals in one alfabet under 546.3, insted of uzing numbers 546.3-99. If this chanĵe is wisht, a more complete one wil probably be better: put all elements, metallic and nonmetallic, in 1 alfabet under 546. Such use of the alfabet cauzes no confuzion with the Index, as it simply subdivides more closely, unless, as in the case of 546.3, the alfabet replaces heds alreĵy printed. In this case, cancel all subsections in the Tables by drawing a line obliquely thru heds discarded, and mark in marĵin 'Alfabet by elements,' e. g.

546.3	Metals	Alfabet by elements
.31	Alkali group	
.32	Potassium	
.33	Sodium	
.34	Lithium	
.35	Rubidium	
.36	Cæsium	

Then find each of these heds in Index and cancel all figures after 546.3, e. g.

Potassium, inorganic chemistry, 546.31
 Rubidium, " 546.35

This plan has special value in this place, as new elements ar discovered from time to time, and can redily be inserted in alfabetic place. Stil many chemists think it valuabl to hav similar metals group together for convenience of study, and to cover books writn on the group as a whole, and also think it important to hav a number for rejected elements, becauz literature and references about them remain, and must be provided for. New elements may be inserted, as explaind on p. 14¹.

4 Broken order Another common and often desirabl variation for shelf arrangement is to break sequence of numbers, to get most-uzed books nearest delivery desk. Theory keeps numbers in strict sequence; but a

hyer rule everywhere is 'sacrifice any theory for a substantial gain'. Practically there are few libraries where it is not best to break order of classes. Often divisions are best arranged out of numeric place; e. g. 520 Astronomy may be wanted in a room accessible at night; fiction, juveniles and biography are always wanted near the delivery desk in a public library, and in strict order are as likely to come at the most distant point. Numberless local reasons may make a broken order desirable. There need be no hesitation in adopting it if enough is gained, but there should be charts clearly showing where each division starts; e. g. after 430 'Preceding 830'; after 520 'In observatory', it being necessary to specify room for books entirely removed from general library arrangement. The page of 100 divisions is furnished by the publishers, on cards with wide margins, for just this use. Opposite each division is marked its beginning on the shelves, and it is easy to vary the order as much as necessary, though of course the nearer the divisions run in regular order, 000-999, the easier it is for a stranger to find his way about. Variations in order of sections are less wise and seldom necessary, but if made, a wood or cardboard dummy in regular place should have marked on its side the actual location of any section removed.

This broken-order plan is best for bringing together filology and literature of each language without altering numbers or prefixing any letter. Let 420 be shelved just ahead of 820, 430 ahead of 830, and so for all languages, making the general note that all 400s are shelved just ahead of corresponding 800s, and remembering that after main languages 4 or more figures are required to indicate language alone, so Portuguese filology goes between 868 and 869, Russian between 891.69 and 891.7, and Welsh between 891.65 and 891.66.

5 Pro and con division of topics It is very useful in many cases to separate books on a topic with strongly marked sides, so either set of views and arguments may be seen by itself. This has been done in some cases by subdivision, e. g. 337 Protection and free trade. In others it is equally useful, and can be indicated by an added mark, e. g. 324.3 Woman suffraj. The number may be used for general works, giving facts etc. and advocates and opponents may be separated by + and — for positive and negative, or by p and c, the initials for pro and con, which though short, are too long for a circulating library to use in charging but may be disregarded for that purpose if book numbers are so assorted as to distinguish. In reference libraries, on cards, etc. most will prefer to write out *pro* and *con*, to mark the 2 groups. The order on shelves is, of course, alphabetic, viz, 3 4.3, 324.3C, 324.3P; or if + and — are used, the usual order is followed: +, —.

These 5 notes suggest the range of variations which may be made, and illustrate D C adaptability to widely different conditions. For book numbers, which decide the order of material after it is grouped into its final classes, see p. 29⁶-30⁷.

Bibliographic modifications

After study of all other available systems the Decimal Classification was adopted in 1895 by the newly organized Institut International de Bibliographie (known as I I B) as best adapted for its projected universal subject bibliography to cover ultimately all subjects in all languages in all periods of the world's history.

Determining factors were:

- 1 Decimal Classification was of topics, independent of language or exact synonym by which expressed
- 2 Its notation was in itself the only international language, since it consisted solely of arabic numerals, used by all the world
- 3 Its decimal principle allowed indefinite intercalation

Overdetailed as the Classification already seemed to many librarians, lack of subdivision was the Institute's first difficulty and it urged us at once to enlarge the Tables. State Library duties at that time made concentration on this impossible, but we promised cooperation and criticism if I I B would draft required extensions. When its remarkably rapid work precluded even adequate criticism, it was authorized to publish its tables and assured that the American revision would vary from them as little as practicable.

Obviously, bibliographic and general library use are so different that in some cases what is clearly best for real needs of scholarly specialists, where any symbols can be used on index cards, would be quite impracticable for a public library, which must have symbols that can be marked on the back of books, readily used by the unskilled public in writing call slips, and rapidly handled by low-priced runners and young clerks. Some differences between I I B tables and this edition will, in their future editions, appear as here given. Others result from serious objections to the I I B classification. We expect agreement will soon be reached, as both Institute and author plan to harmonize the few divergences as rapidly as possible.

I I B has devised and uses ingenious symbols, expressing many interrelations and greatly increasing numbering capacity. But these new symbols are thought by many too complex for ordinary shelf or catalog use, though 20 years use by I I B with unskilled clerks has proved that this objection is more fear than result of fair trial. They are given here broadly for personal notes of specialists and other close classifiers, to whom their vast practical advantages will strongly appeal, and as a key to notation on I I B bibliographic cards. Elaborate details and explanations are in *Classification décimale*, Brussels, 1905. Obviously these symbols allow subdivision of the same number in many different ways without confusion.

1 Accretion syn -|- This simplest of symbols, equivalent to 'and', indicates exactly what it suggests, that the article so numbered treats of all subject numbers connected by +; e. g. 637 + 614.32 a work concerning dairies and also on inspection of dairy products.

2 Coupling syn - This is used for coupling to a subject a series of subdivisions common to a group of subjects, as 400 Filology (e.g. 45-3 Italian dictionary), 800 Literature (86-2 Spanish drama), 546 Inorganic chemistry (546.72-3 Oxids of iron), but only where such use is specifically mentioned in the Tables, as confusion would otherwise result. This syn is so similar to that commonly used for 'to and including' that when it is used with the Institut meaning it is advisable to use word 'to' for the other meaning.

3 Relation syn : This is most useful symbol of all, as it involves no change of number except omission of final 0 by those preferring shortest form. It indicates merely that subjects so connected are *considered in relation to each other*, thus affording means of expressing almost limitless interrelations: e. g. ethics in relation to fine arts is 17:7 (or, better, in full 170:700). Vice versa, art in its ethical aspect is 7:17; order of numbers before and after colon depending on emphasis, or on subject with which they are to be arranged.

4 Form syn (0) Form or generalities are expressed by a parenthetical number beginning with 0. This is further subdivided as follows:

(0.) Form symbol; e. g. 335(0:843) means Socialism treated in form of a French novel.

(00) Subdivisions peculiar to a subject; e. g. for history it means sources.

It is further subdivided and in some cases modified by a hyphenated figure; e. g. 9(44) (001-3) means *Catalog of official sources of French history*, (001) meaning official sources and -3 meaning catalogs, indexes, lists etc.

(01)-(09) are the same as our regular form numbers 01-09. Obviously we can not replace our long established simple form numbers by something so much more complex that it is impracticable for shelf use.

5 Universality syn ∞ The mathematical syn of infinity is used with place and time syns to mean 'Without limitation': with place syn (see 6 below) it means 'including all places', e. g. 9 (∞) History of all countries; with time syn (see 8 below) it means 'covering all periods', e. g. 9 (∞) " ∞ " History of all countries at all times.

6 Place syn (3)-(9) These replace our regular country subdivisions found in 930-999, but do not conflict, as I I B merely leaves D C 930-999 vacant, and writes History of France 9(44) instead of 944. Other auxiliary place numbers indicating general region, direction, geologic place, prehistoric time, etc. are also provided in place curves.

7 Language syn \equiv This syn preceding language numbers as found in 400 Filology, indicates subdivision by language; e. g. 523.5 \equiv 9185 means a work on meteors, in Polish, 91.85 being filology number for Polish language in 400.

8 Time syn " " Numbers denoting time division are written in quotes. I I B scheme gives an elaborate time-division system based on exact dates; e. g. "1922".

BIBLIOGRAPHIC MODIFICATIONS

9 Jeneral points of view syn 00 Each of the following numbers for point of view has also a series of subdivisions:

- 001 Speculativ: idea, purpose, plan etc.
- 002 Realization: execution, construction etc.
- 003 Economic: industrial production, cost and sale prices, etc.
- 004 Servis and use: workings, administration
- 005 Equipment and apparatus
- 006 Bildings and establishments: details of organization and servis
- 007 Special personnel

10 A to Z Alfabetic arrangement by name of person, place or thing is indicated according to circumstances by initial or whole name.

Sequence of these simbols in clas number may be varid by uzers to produce any special arrangement wisht, but unless distinct notis of this is givn, sequence is arbitrary in the following order:

() " " = : - A-Z

e. g. 9(44)"17" = 2 History of France in 18th century, writn in English.

Other uses

Tho this sistem was devized 1st for library catalog and shelf arrangement, 49 years hav developpt many new applications. Nearly every administrativ department feels directly the great economy, and in every field of literary activity this clasification has been found a great laborsaver, whose practical usefulness has exceded the most sanguin hopes of its erly frends.

Bookstores The plan is a great convenience to both dealers and customers, when applyd to miscelaneus stok. Very often a much wanted book, specialy if not recently publisht, is reported 'not in stok', when D C arrangement by subject wud hav reveald its place at once. Specialists often find on shelvs books they wud never hav orderd, but ar glad to by after examination. Experience proves it profitabl for a dealer to arranje his books so each person may find what he is interested in without examining entire stok.

Offis files A great file of papers is like a library in miniature. Experience the world over proves that while alfabetic and numeric sistem ar invaluable for many purposes, complete usefulness demands close clasing as material grows. The best plan is to combine simplicity of numeric and utility of clast as in this Decimal Clasification and Relativ Index uzed by most libraries. The simplest posibl printed index of 40,000 heds tels instantly by what number to mark or to find any paper. Insurance is markt 368. This means: clas 3, Sociolojy; division 6, Associations and institutions; section 8, Insurance. Fire insurance is 1st subdivision, so every paper about fire insurance is markt 368.1 and goes in the drawer in numeric order, where it can instantly be found by the printed Index.

DECIMAL CLASSIFICATION

49 years use in a score of countries has proved this numeric system, with its Relativ Index, a marvelous labor-saver. Classification is a necessity if all material on any given subject is to be readily found. The labor of making one's own classification is usually prohibitive, if well done. By adopting the scheme in general use by libraries this labor is saved and numbers are in harmony with those of thousands of other catalogs and indexes in which the same number has the same meaning; for, as pointed out at a recent international congress, these numbers are an international language of perfectly definite meaning among all civilized nations; and also cheapest and quickest in application.

A successful man is usually a classifier and chartmaker. This applies as much to modern business as to science or libraries. Higher education differs from elementary in studying not mere facts, but their *relations to all other facts*. Alex. Bain wisely said 'to learn to classify is in itself an education'. The man of much business or affairs must study every problem in its manifold relations; i. e. must classify and make charts of his results. Without these he is like a sailor in strange waters, sooner or later shipwrecked unless he uses charts to find safe channels as well as to avoid rocks and shoals. A large business or work unclassified or uncharted is not a worthy organization but mere material from which a clever brain may construct one. It differs in efficiency from the ideal as a mob of men differs from a well-disciplined army. Piles of brick and mortar are not a temple any more than heaps of type are Shakespeare's works, though if 'classified' and set, each in its relation to the rest, the transformation is brought about.

Scrapbooks The plan has proved the best for keeping newspaper clippings. Use manila sheets of uniform size (we find 25x20cm best). Write class number of subject in usual place on page, and mount clippings on sheets as in a common scrapbook. These sheets are arranged numerically like a class card catalog, sheets of each class being further arranged, when desirable, under alphabetic subheads. When one sheet is full, insert another at the exact place. Thus perfect classification is kept up without blank sheets, and at smallest outlay of money and trouble. Scraps thus mounted are shelved either in manila pamphlet cases or in patent binders, or are kept in vertical files.

Index rerums These are best made on standard P size ($7\frac{1}{2} \times 12\frac{1}{2}$ cm) cards or slips. Light weight catalog card stock is best for private indexes, etc. It costs only half as much as heavy Bristol, takes only half room, and handles easily.

Where durability and convenience of handling are less important than cheapness use common heavy writing paper. Novices often greatly diminish usefulness of the card system by using ordinary machine-cut cards or slips varying in height so much as to make quick and accurate manipulation impossible. Extreme variation to be tolerated is 1 mm or $\frac{1}{16}$ inch. This will be understood by placing a 7.4cm card between two 7.5cm cards. In rapid turning, fingers make a bridge across taller cards and miss the lower one entirely.

OTHER USES

Cards must be accurately cut or they lose half their value and in many cases necessitate recopying material at a cost 10-fold greater than to have thrown away imperfectly cut cards or slips at the outset.

Class number is written in upper left corner, any alphabetic subject heading follows at right, and notes fill card below. Cards are then filed in order of class numbers, the cards of each class being further arranged like scrap sheets, according to any alphabetic subheads.

Paper the size of scrap sheets, 25x20cm, arranged and stored the same way may be used instead of cards. This has the advantage of a full letter page in size at once, and holds over 5 times as much as card. While the system can be applied to slips or sheets of any size, there are literally hundreds of accessories and conveniences exactly adapted to these 2 sizes, which are used 10-fold more than all others combined; so it is folly to begin on another size, and lose the advantages of this uniformity. If intermediate sizes must be had, the best are Billet 15x10cm, Note 20x12½cm, and Ms. 25x15cm. Often users of some other size finally find it profitable to change to either P, 7½x12½, or to L, 25x20cm, even at cost of rewriting many notes.

Note books are best in this last form. A much poorer method is to take a bound blank book, and assign class numbers in order, giving about the space it is thought each will require, and, when pages so assigned are full, note at bottom where the rest of the material may be found. This has all objections of old fixed location as compared to relative, and will hardly be adopted by any person who has ever seen loose-leaf simplicity and economy.

Scores of devices for convenient handling and storing of these slips and sheets and of pamphlets are manufactured. The full descriptive and illustrated catalogs of Library Bureau, Boston, give details.

Topical indexes Class numbers are used to index books read. Simple numbers take the place of a series of words and results can be handled, arranged and found much quicker. Such entries may be kept separate or combined with index reruns.

Advantages for making topical indexes of collected works, periodicals, transactions etc. will be evident to every indexer or librarian. These consolidated indexes may be arranged together with the card catalog of the books, or by themselves, as seems best in each case.

These are only a few of the system's varied applications. Enough have been mentioned to show its wide adaptability to wants of librarian, student and business man.

Separates

There is growing use by specialists who wish very detailed tables of their subjects, but only so much else as will show perspective of these subjects in the general scheme and provide for broad classification of other material on the same plan. As fast as demand will cover expenses, any subject elaborated will be published separately with general explanation, directions for use, 3-figure tables for other subjects, and full index; e. g. normal school

DECIMAL CLASSIFICATION

libraries specializing on education will want the elaborate 370 scheme but may not need to carry classification of other subjects beyond 3 figures; electric engineers may have no use for 370, but will need all details of 621.3, with only 3 figures for other subjects.

This brief account has probably failed to meet some objections which may be raised and could easily be answered.

The much elaborated and in some few points altered, the essential character of the plan has remained unchanged from the first. Revision and expansion constantly in progress involve many new interrelations. As extensive advance testing of new schemes is not always possible practical applications are sure to develop unnoticed faults. Classifiers are therefore asked to use new tables critically and report defects of any kind, with proposed remedies and any needed subdivisions, also any heads needed for the Index. All such criticisms are a decided help and favor.

Acknowledgments

The labor on Classification and Index has been wholly beyond appreciation of any who have never attempted a similar task.

In his varied reading, correspondence and conversation on the subject, the author has doubtless received many suggestions and gained ideas which it is now impossible for him specifically to acknowledge. The *Nuovo sistema di catalogo bibliografico generale* of Natale Battezzati, of Milan, adopted by the Italian publishers in 1871, though he copied nothing from it, more than any other single system stimulated his study of the problem. The plan of the St. Louis Public School Library and that of the Apprentices' Library of New York, which in some respects resembled his own, were not seen till all essential features were decided on, though not given to the public. In filling the 9 classes of the scheme, the inverted Baconian arrangement of the St. Louis Library was followed. The author has no wish to claim original invention for any part of his system where another has been before him, and would gladly make specific acknowledgment of every aid and suggestion where it is in his power. Though at its start a little book, it came not forth except by grievous labor.

Much valuable aid has been rendered by specialists, who have assisted greatly in developing tables. Among these are many well-known scholars, and to all most cordial acknowledgment is made. Without such assistance, the present development could not have been attained, for many minds were necessary to supply technical and special learning absolutely essential in filling minute heads. Indeed, in many subjects the author's share has been limited to modification necessary for technical adjustment to his scheme, of material prepared by specialists. To many prominent librarians we are indebted for valuable suggestions and appreciative criticism. While these friends are in no way responsible for any remaining imperfections, they should have credit for many improvements made in these 49 years

AKNOWLEDJMENTS

of revision, during the 1st 3 of which the skeme was kept in manuscript, that its many details myt be subjected to actual tryal, and modifyd where improvement was found posibl.

We ar under deep obligation to the Institut International de Bibliographie for its great volume of valuabl work, covering almost the whole ranje of subjects, and also for its advice and criticizm during progress of our own expansions. To Dr C W Andrews, John Crerar Librarian, Chicago, and to the American Library Association D C committee, of which he is chariman, we ar greatly indetted for interest an¹ advice.

W S Biscoe From 1st publication to the present, the most extended and valued assistance has cum from my colej clasmate, associate and frend, Walter Stanley Biscoe, my 1st assistant in Amherst College Library, in charj of which he succeeded me, resyning to accept again in 1883 the place next me in Columbia College Library, and again resyning in 1889 to becum librarian in charj of clasification and catalogs in New York State Library. This book is witness to the rare unselfishness with which he has givn time taken from rest and recreation to this work, in which he shared my interest and faith.

May Seymour Except a year in charj of clasification in the Osterhout Library she was with me 34 years, from her entrance to the 1st Library School clas in 1887 til her deth, June 14, 1921. At New York State Library, clasification was her department til she was made director's assistant. For 32 years every item of work on new editions past thru her hands. For each edition she did all editorial and much constructiv work, secured expert cooperation, cald attention to faults or omissions, and sought the best availabl compromize where doctors disagreed, devoting to this vast labor rare skolarly industry and a loyalty for which no words of thanks can be adequate. She shared my faith in its immense usefulness, did the hardest work, and deservs the gratitude of all who profit by this invaluable laborsaver. I often askt that her name appear on the title-paje of the book to which she gave so much, but she persistently refuzed.

Her place as editor is taken by one of her own choosing, Miss Dorcas Fellows, who more than anyone else had workt closely with Miss Seymour for 25 years. With hedquarters in New York State Library at Albany, where she has the best facilities for her difficult work, she wil giv future editions the benefit of cumulativ experience in which she has so larjly shared. D C uzers ar congratulated that Miss Seymour's position is held by the one she chose as best adapted to carry on her work.

Future of D C

Miss Seymour had a stedily growing wish to make the D C a permanent force for education, by greatly improving its ful, abrijd and outline editions, and by printing cheap special editions (indext) for many prominent divisions; e.g. education, medicin, enjineering, agriculture. As a memorial to her, all copyryts and control of all editions hav been givn to the Lake

DECIMAL CLASIFICATION

Placid Club Education Foundation, in establishing which she had been warmly and actively interested, and which was chartered by the University of the State of New York, Jan. 26, 1922, with these objects:

'as an educational institution, to restore to health and educational efficiency teachers, librarians and other educators of moderate means, who have become incapacitated by overwork; to establish, maintain and aid schools, libraries or other educational institutions, especially at Lake Placid; and to institute, organize or foster other movements to advance public welfare through education, by means of the Foundation press, conferences, forums, addresses, guided reading, and similar agencies'.

To this Foundation was at once given all voting stock and surplus of Lake Placid Co. (which owned the 8000 acres and 335 buildings of Lake Placid Club), thus assuring permanent financial support, which has already been further increased to \$529,000 by bequests from interested friends. Under Foundation auspices future editions of the D C will be published, on absolute condition that entire receipts above necessary expenses be used forever solely for improving the D C and extending its usefulness, thereby preventing possibility that the work should ever be used as a source of either individual or institution profit. A D C committee of the most interested Foundation trustees, in consultation with committees of the American Library Association and Institut International de Bibliographie, and with editors and collaborators, will insure observance of the above condition.

MELVIL DEWEY

LAKE PLACID CLUB N Y

Aug. 31, 1922

Previous editions have been dated Amherst College Library, June 10, 1876; Columbia College Library, Aug. 10, 1885, and Aug. 30, 1888; New York State Library, Dec. 25, 1890; Lake Placid Club, Apr. 10, 1911, Apr. 10, 1913, Oct. 1, 1915, Aug. 11, 1919.

SIMPLER SPELING REAZONS AND RULES

Reazons

Uzers of the Decimal Clasification ar entitled to kno why the author feels compeld to recognize practicaly the urjent claims for reform in English speling, by adopting enuf of many needed chanjes to call every reader's attention to the crying situation.

Many wil be annoyd and sum wil ridicule, but since 1872 I hav constantly studid, with very unuzual opportunities, the need and practicability of this reform. From its founding in 1876 at the Philadelphia Centennial, I hav been secretary of the Speling Reform Association. I servd several years on the advizory committee on speling and pronunciation for our greatest and best English dictionary, the Standard. While executiv offiser of the University of the State of New York, which has charj of all hyer education, I uzed my great opportunities for studying relations of speling to education. As a trustee and on its Executiv Board I hav shared activly from its orijin in Simplifyd Speling Board work, to which Andrew Carnegie gave (up to his deth) \$10,000 to \$25,000 yearly to spred correct knowlej about English speling and the great need for its improvement. I also servd on the National Education Association committee which, jointly with committees of the American Filologic Association and Modern Languaj Association, during 10 years careful study, made the key alfabet now uzed in the entire series of Standard dictionaries and in all books based on them. I was president of the Efficiency Socyety and also of the National Institute of Efficiency, and chairman of the committee of each on 'Efficiency in English writn and spokn'. It is therefore not an advocate of a new fad who speaks, but one who has for over 50 years kept in tuch, personaly and by correspondence, with others studying this matr, not only in many American states but also in Canada, Great Britain, India and Australia, and with many in non-English speaking cuntries.

In the past $\frac{1}{2}$ century the most competent jujes hav cum to almost unanimus agreement as to imperativ need for radical improvement. On this point great universities, editors of all great dictionaries, leading educators of the English world, and recognized leaders amung students of English all agree. It has been publicly stated in larj meetings of languaj skolars that there was no recognized authority on English living who did not now believ in the urjent need of speling reform.

But as to the best *method*, there ar 3 skools with their varius combinations. All agree that there is only 1 entirely satisfactory goal; i.e. just 1 distinct syn for each of 40 distinct sounds, and just 1 sound for each of these 40 syns. But we now hav over 400 simbols or combinations to represent these 40 sounds. 'Shay' has only 2 simpl sounds. The *sh* is speld in 20 ways and the *a* in 24 ways; i.e. this simpl word of only 2 sounds may be speld 480 ways in exact analojs with other English spelings. Webster's *Dictionary* says Shakspere's name was speld 30 ways;

DECIMAL CLASSIFICATION

the Mainwaring family records sho 130 variations in their name; and A J Ellis made over 6000 spelings of 'scissors', all justifyd by dictionary analogies. Booker Washington told me that they wud not graduate from Tuskegee one who cud not spel and pronounce correctly this sentence: 'Though the rough cough and hiccough plough me through I ought to cross the lough'. We markt agenst each letr all the different ways of pronouncing it in English. By simpl permutation this showed over 16,000,000 ways in which this sentence cud be pronounst. Then we markt agenst each sound all the different ways of spelng it and proved that there wer 66 decilion (66,000,000,000,000,000,000,000,000,000,000) ways of spelng the sentence, each justifyd by analogj. Yet he was solliciting mony to teach those poor colord students just which of this infinit varyety must be uzed before he cud graduate.

One group beliefs in ading 6 new consonants for *ch*, *ng*, *sh*, *zh*, *th* and *dh*, and 11 new vowels; for as *c*, *q*, and *x* duplicate *s*, *k* and *ks* or *gz* we hav only 23 letrs toward the 40 needed in a perfect English alfabet. These letrs wud then be uzed with as invariabl meanings as Arabic numerals and we shud be rid of varius devices for expressing sounds for which we hav no distinctiv letr; e.g. for the word 'fyn' we ad *e* to 'fin' and say that 'servil e' is silent where writn, but means that the *i* in erlier part of word is not *i*, but the difthong *ai*, combined of the sounds of *a* in 'ar' and *i* in 'it'. This is exactly analogous to writing 4537 and saying that 7 is silent but means that the 5 is realy 9, so the number is 493. We ar so uzed to these absurdities that we recognize their folly only when translating them into an exactly similar case with Arabic numerals.

When these wer introduced into English the identical arguments put forward today agenst syentific spelng wer urjd agenst the stranje Arab characters. Men said, 'Every child knows at a glance that V is five, but who cud understand v ?' which they printed lying on its face.

No one questions that *complete* reform is best. Most skolars, however, think it impracticabl to do it all at once except amung a limited clas, becauz of difficulty of introducing new letrs on typwriters and for printers. We hav evolvd *i*, *j* and *y* from *i* letr, and *u*, *v* and *w* from *v*, and skolars say we shal in time in same way, evolv the other new letrs needed.

The Simplifyd Spelng Socyety of Great Britain attempts to solv the problem without any new letrs by uzing digrafs, as we hav alrely dun for *ch*, *ng*, *sh* and *th*. This has the advantaj that every typwriter and printer is fully equipt for new spelng. It has the great disadvantaj that it lengthns many words and offends the eye much more than new letrs. It is as absurd to use *c* and *h* to represent a sound which has niether *c* nor *h* in it as it wud be to uze 74 to represent 5.

The Simplifyd Spelng Board (American), supported by Andrew Carnegie til his deth and now working on its own resources, decided that the most practical plan was to list a limited number of most needed chanjes to urj for immediate jeneral adoption, thus expediting the stedy growth toward

SIMPLER SPELLING REASONS

scientific spelling shown by the history of English. This method is easiest but involves glaring inconsistencies; e.g. it drops 1 of double consonants final in most cases, spelling *mis*, *dol*, *tel*, but leaves *all*, *roll*, *hiss*, *off* because they would be mispronounced by most people if shortened.

1 word is spelled perfectly like 'fel', perhaps the next is improved in only 1 syllable like 'knowledge', and the next may be worst of the 3 and not changed at all because we lack necessary new letters. S S S (English) is *consistent* for it spells each word phonetically, and this entire consistency appeals to us so much that they endure longer awkward forms. S S B (American) offends the eye much less and *shortens* nearly every word it changes, but has the fault of incompleteness.

The 5 reasons for spelling reform are:

1 **Disgrace** of having what experts agree is the most illogical, unscientific, unscholarly and altogether worst spelling of any language in the world. While this greatly discredits the people that have become greatest in all history, it is least of the 5 reasons.

2 **Criminal waste of money** Careful count of many English selections shows that 15% or 1/7 of the letters would be saved by strictly scientific spelling. This means waste of 1/7 total cost of everything connected with writing or printing English: stationery, time, composition, proofreading, paper, ink, presswork, binding, transportation. Not only are these countless billions wasted each year, but there is enormous waste of time in hesitating as to right spelling, consulting dictionaries, interrupting train of thought, which fairly translated into money makes a staggering total.

3 **Criminal waste of school time** A committee of expert educators, after months of consideration, agreed that on the school life of a child going from kindergarten to university we could save 3 years if we could eliminate spelling books and everything connected with them, as is done in completely phonetic countries, where spelling is merely pronouncing a word letter by letter, so anyone can spell if he can speak. This waste is not alone in spelling classes, for in all other studies spelling is a continual handicap and wastes time not only in school days but all through life.

4 **Adling brains** Any student of child psychology knows that one could hardly devise a more degrading process to a normal brain than to teach such words as *bone*, *done*, *gone*; *love*, *move*, *rove*; *lose*, *close*; or worst of all, *Though the rough cough and hiccough plough me through I ought to cross the lough*. If the brain works normally the child surely pronounces the vowels of the later words like the first. If 'though' is 'tho', surely 'rough' is 'ro' and 'cough' is 'co.' Long before he reaches the 8th word he is ready to believe any absurd thing that is told him, and finds in English it is a matter of personal introduction to each individual word before there is any safety as to how it may be spelled or pronounced. Ex-president Hill, of Harvard University, declared that no man ever had or ever could spell and pronounce every word of English correctly, as it was beyond human possibility to become intimate enough with all the 1/2 million words in the latest dictionaries.

DECIMAL CLASSIFICATION

An associate city superintendent of schools in New York says:

'Next to learning by imitation, the child must be taught to learn by association and analogy. He develops strength of mind by exercise of judgment. He must reason from known facts in the solution of his little problems. If he comes to a new printed word and halts, the teacher asks him to think of the oral word for which it stands. Having learned that 'puf' and 'muf' stand for well-known oral words, he is staggered at 'rough' and 'enough', frequently used in conversation. Having learned that these characters stand for well-known spoken words which he wrote 'ruf' and 'enuf' from his knowledge of 'puf' and 'muf' he is again confused when the teacher tells him that 'dough' is the spelling of the well-known word his mother uses when speaking about bread-making, and that 'cough' stands for the malady so prevalent in the nursery during winter time.

The stage of the child's tuition during which all the similar incongruities of our spelling must be mastered, occupies many years of school life, and the process has well-nigh produced a disbelief in reason as a means of learning, and a total lack of confidence in inference. The result of falling into absurd and ridiculous situations through exercise of his judgment, appears in a hesitancy or fear of drawing any inferences upon data relating to other fields of knowledge. The child has lost faith in his own conclusions with respect to problems in arithmetic, biology, geography, history etc. To what extent of subject matter and time the school child has suffered irreparable loss, by failure to acquire confidence in exercise of his judgment as a result of his early stultification during process of learning to master spelling of common words, may never be determined.'

5 **English as world language** Except for its scandalously complex spelling, English is better fitted than any other language for universal use. It is practically grammarless. Pedants have saddled us with an adaptation of Latin grammar which is almost useless. English has strength, simplicity, conciseness, capacity for taking words freely from other tongues, and best of all has the greatest literature the world has yet produced. Great German philologists have said 'it is lucky for the rest of Europe that the English do not realize that only its absurd spelling stands between their language and early world empire'. If we check over the past 5 centuries the growth of English is astounding. Once Portuguese with its great Brazilian country had some chance, or Spain with South America, but French came to be the language of diplomacy and more than any other, the world language. Each century Germany, with its high birth rate, gained rapidly and soon passed France. Russia with its countless millions came in as a leading competitor, but each century the most significant and remarkable growth was English. Long it was English, German, French; then English, German, Russian. The great war sadly handicapped all other competitors just when it greatly improved the position of English. 3/5 of the world's business mail is now in our language and this ratio grows yearly. Recent prominent French journals have frankly published to their people *the need for every Frenchman to learn English* because it was already the world's business language and rapidly growing. The far-sighted Carnegie made his great gifts for simplified spelling for 2 chief reasons. He had given the Peace Palace at the Hague, and recognized that a common tongue was the greatest

protection agenst war. His study of history taut him that race, color, relijion and jeografic location had les influence than a common tung in binding peopl together. Our fraze, ' He doesn't speak the same languaj ', indicates hopelessness of agreement. He knew that no force wud contribute so much to world peace as spred of a common tung. He knew that this wud carry Anglo-Saxon ideals of liberty and tolerance thruout the world. The canny Scot knew also that it wud do more than all else combined to extend and strengthn our commerce.

Can anyone not blind to human welfare face these undouted facts and not feel *bound* to help on wherever practicabl a reform that many educators and publicists recognize as more important, and as having more far-reaching results for America and the world than any other? The solution to most of our social problems lyz not in lejislation and police, but in *education of the masses* so that they wil *kno and prefer the ryt*. Such education must be *chiefly thru reading*, for the great mas of peopl can be in skool only long enuf to lern to take from the printed paje the author's meaning. Their real education must be not in the few skool days in youth, but all thru life and cuming chiefly from reading books, magazines and papers. Those who believ in working for a betr world must see that the first great step is to take from the path of education this greatest stumbling blok, for our speling not only wastes milions of years for every jeneration, but dedns and dwarfs childhood's brain by its gross absurdities. Can anyone not a selfish moral coward, knowing these facts, refuze to help get rid of the incubus by uzing at least a few of the shortr, betr forms in his own writing?

Disregard of pedants rules Thomas Jefferson said ' Where strictness of grammar does not weakn expression it shud be attended to, but where by small grammatical negligences the enerjy of an idea is condenst or a word stands for a sentence, I hold grammatical rigor in contempt '.

Study of the past 5 centuries shows how greatly English has been simplifyd and improved and how absurd is the frequent comment of those ignorant of the life history of English that ' languaj can't be chanjed by conscius efforts of its uzers '. Of thousands of improvements made in the last 500 years every one was *used first* by sumone who saw the need and had the moral curaj to be a pyoneer and disregard rules of pedants of his day. The greatest need of the English world is to simplify its languaj, specialy in speling, so it may be uzed by all nations. It is disgrace to be blind to the facts or to be too cowardly to uze sum at least of the needed chanjes and so risk criticizm or ridicule of the ignorant. The great function of English is to *convey author's tho't clearly and compactly to reader's mind*.

Arabic figures ar the simplest simbols known to man. It is silly to write out ' eighty-eight ' or ' LXXXVIII ' for the simbol 88; or to write ' three hundred seventy-eight ' with 24 letrs when 378 is 1/8 as long and vastly clearer. Modern pressure for space and economy has led many

prominent journals to substitute figures for words, but most of them still fear the silly pedants dictum that figures must not begin a sentence. But figures are winning their way, specially in headings, and our descendants will wonder at our stupidity which so long prevented full use of 1 of the world's greatest labor-savers. It is like continuing wigwag signals after invention of telephone and wireless.

30 years ago I advocated dropping useless *al* from *academical*, *grafical* etc. Persistent use was copied by others till now many of our best writers avoid the foolish *al* and get stronger as well as shorter words. When adding adverbial *ly* we should still omit *al* and say *grafically*, *academicly* etc. In fact very few people pronounce the *al* in common speech. If we adopt Thomas Jefferson's standard we should expedite greatly many needed improvements in our great mother tongue.

Consistency This is the hobgoblin bugbear of little minds. If a printer sets types which really should be omitted or changed we often avoid labor of correction; for consistency with other spellings is less important than to break down by combined efforts of scholars and men of affairs the immense and stubborn, pedantic, foolish prejudice which sees something sacred in the common spelling of a word, while it thinks little of constant variations in its pronunciation. Many who would gladly help the cause are too busy with larger affairs to spend time in looking up rules. They should simply spell better whenever they think of it and not be troubled if on the next page they forget to simplify. Have Thomas Jefferson's courage and hold pedantic consistency in contempt.

Conciseness We should use shortest forms of expression consistent with clearness. The 2d forms below are as much stronger and better as they are shorter:

this has been found to be an encouragement to good work — this
 encourages good work
 extend an invitation — invite
 take into consideration — consider
 the purchase of — buying
 purchasing agent — buyer
 a large number of — many
 due to the fact that — because
 sum of \$10,000 — \$10,000
 in a prudent manner — prudently
 put in an appearance — appear
 the twenty-eighth day of May in the year of our Lord one thousand
 eight hundred and ninety-nine — 28 May 1899 (*9 vs 79 types*)
 it is often the case that authors fail — authors often fail
 give the boundaries of — bound

Can it be done? Absurd spellings like old 'fysse' and 'dogge' for 'fish' and 'dog' are sluffing off useless letters as a tadpole loses its tail, or as scum rises from boiling sap in a maple orchard. Samuel Johnson in 1755

printed a dictionary which greatly delayd this natural process. Uzing niether rime nor reazon he embalmd in a book, with the weight of his great name, simply the usaje of London printing offises, which wer run almost wholly by Dutch and German printers, many of whom knew no English. He laid down as a sacred law, ' Uphill with 2 ls' but ' downhill with 1 ', and endless similar absurdities, at which we laf, but we hav made ' downhill ' as difficult as his ' uphill ' and stil look askance at one who spels ' til ' as he does ' until '. Our greatest filolojist, William D Whitney of Yale, editor *Century dictionary*, wrote to our 1876 International Conference on Speling Reform a concise statement which has been very often reprinted, and I think never questiond by any competent authority: ' The true and sole offis of alfabetic writing is correctly to represent spokn speech.'

Many chanjes wer merely corruptions resulting from slipshod pronunciation and lak of accurate speling, which wud hav been a relyabl gyd. Always many chanjes ar inevitabl in any languaj, as its words and idioms gro, dy or chanje, in pronunciation, speling and meaning. To continue old spelings after words hav chanjed is as absurd as to continue old price quotations insted of following the market. Englishmen ar conservativ but we hav substituted (but only long after other nations) arabic numerals for the clumsy I, V, X, L, C, D, M; we hav a reazonabl and uniform way of writing music; we ar soon (again last of civilized nations) to uze international metric mesures, thereby saving countless milions. Practical business wil not much longer endure the costly tyranny of the $\frac{1}{2}$ educated and wholly unbusiness-like and inefficient pedant. So if the intelijent wil do their duty we shal expedite greatly the stedy growth of English toward simplicity, strength and efficiency. That infinitely desirabl process can be bro't about only by pyoneer adoptions by those who hav both knowlej of the great need and curaj to lead in a cauz bound to be unpopular with those ignorant of fonolojy and of the vitaly important reazons which hav compeld all dictionary makers and great English skolars to declare in favor of simpler speling.

Rules

We print belo 7 of the best known codes for convenient reference when one wishes to decide with what chanjes he wil start his betr speling. All wil doutless uze the 12 words and most wil be glad to adopt S S B 30 words chozen with great care by leading skolars as the best small beginning for the averaj man. These ar simply sampl words. S S B alfabetic rules represent expert jujment of distinguisht filolojists as to chanjes desirabl and practicabl to recommend for erly jeneral adoption. These ar followd by 18 rules, which comprize an erlier list and, forming the basis of the alfabetic list, larjly duplicate it but ar included here for convenience of those who wish a selection of the most important. A compact dictionary list of all English words covered by S S B rules wil be sent on application.

DECIMAL CLASIFICATION

The 5th code is our D C rules, uzed in addition to S S B rules, by those willing to pyoneer stil faster. The 6th code, a selection from U S Jeografic Board rules, and the 7th, the 10 joint rules of American and English filolojists, ar aded for reference and to sho by repetition in different codes how closely the best authorities ar in harmony.

To all governd by *reason* rather than by vizual *prejudis* the objection to simpler speling that 'it looks queer' wil be more than offset by the arguments, both skolarly and practical, in its favor; while those who shrink from uzing simpler forms thru fear of being regarded iliterate may find curaj thru knowing that the movement is supported by the most eminent filologic authorities.

N E A 12 words

The National Education Association in 1898 adopted for use in all its official correspondence and printing the simplifyd spelings widely known as 'the 12 words', **catalog, decalog, demagog, pedagog, prolog, program, tho, altho, thoro, thorfare, thru, thruout**. In 1916 it adopted rule to simplify *ed* to *t* when so pronounst, in past tenses of verbs.

S S B 30 words

This list was chozen with special reference to correspondence, and includes the 5 typ-words, **catalog, program, tho, thoro, thru**, of the 12 words adopted, as noted abuv, by the National Education Association in 1898, for use in all its official publications and correspondence.

ad	buro	fixt	reciet	(al)tho
adrest	catalog	giv	reciev(d)	thoro(ly, -fare, etc.)
anser(d)	det	hav	shal	thru(out)
ar	engin	insted	shipt	twelv
askt	enuf	liv(d)	tel	wil
bil(d)	fil(d)	program	telephone	yu

Simplifyd Speling Board alfabetic rules

æ, œ, initial or medial. Spel *e*; e.g. **esthetic, medieval, fenix, maneuver, subpena**; but **alumnae, striae** etc.

æ, œ ar now uzualy writn *ae, oe*. Other cases of *ae, oe, medial*, as in **canoeist, Gaelic, subpenaed** etc. ar not affected

bt pronounst t. Drop *silent b*; e.g. **det, dettor, dout, indetted, redout**
Retain *b*, if pronounst, in **subtil(e)**

ceed final. Spel *cede*; e.g. **excede, procede, succede**

ch pronounst like c in **car**. Drop *silent h* except before *e, i, y* [or uze **k**]; e. g. **caracter, clorid(e), corus, cronic, eco, epoc, mekanic, monarc, skolar, skool, stomach, tecnic**; but **architect, chemist, monarchy, or arkitekt, monarky**

dubl consonant before e final silent. Drop last 2 letrs; e.g. **bagatel, bizar, cigaret, creton, crevas, gavot, gazet, giraf, gram, program, quadril, quartet, vaudevil**

dubl consonant final. Reduce dubl to singl, but in *-ll* only after a short vowel, and in *-ss* only in monosilabls; e.g. *ad, bil, bluf, buz, clas, dol, dul, eg, glas, les, los, mes, mis, pas, pres, shal, tel, wil*, but not *al* for *all*, *rol* for *roll*, *needles* for *needless*, etc.

Retain *gross, hiss, off, puss*

e final silent. In the following cases drop *e*:

- a) After a consonant preceded by a short vowel strest; e.g. *bad* (*bade*), *giv, hav, liv, centiped* (when so pronounst)
- b) In *ar(e), gon(e)*, and in *wer(e)* when not pronounst to rime with 'there'
- c) In the unstrest final short silabls *ide, ile, ine, ise, ite, ive*, pronounst as if speld *id, il, in, is, it, iv*; e.g. *activ, bromid, comparativ, definit, determin, examin, favorit, hostil, iodin, infinit, nativ, opposit, positiv, practis, promis, textil*

The ordinary use of *e final* after a singl consonant is to indicate that the preceding vowel has a pronunciation different from that which it wud normally hav if the consonant in question wer final, as in *bar, bare; hat, hate; her, here; them, theme; sir, sire; bid, bide; con, cone; run, rune*. Hence the *e final* is retaind in such words as *arrive, care, confuse, fine, mile, polite, ride, rode*, and also in *bromide, iodine*, etc., when pronounst with the *i* of *line, side*

- d) After *lv* and *rv*; e.g. *involv, resolv, twelv, valv; carv, curv, deserv, serv*
- e) After *v* or *z* when preceded by a digraf representing a long vowel or a dithong; e.g. *achiev, believ, deciev, freez, gauz, leav, reciev, sneez*
- f) In *oe final* pronounst *o*; e.g. *fo, ho, ro, to, wo*

Retain *e* in inflections *-oed, -oes*; as *foes*, not *fos*, *hoed*, not *hod*

ea pronounst as in *head* or as in *heart*. Drop the silent letr; e.g. *bred, brekfast, hed, helth, hevy, insted, lether, plesure, welth, wether; hart, harty, harth*

ed final pronounst *d*. When the chanje wil not sugjest a wrong pronunciation, drop *silent e*, reducing a preceding dubl to a singl consonant; e.g. *anserd, cald, carrid, delayd, employd, examind, fild, followd, marrid, pleasd, preferd, recievd, robd, signd, sneezd, struggld, traveld, worrid, wrongd*; but not *bribd* for *bribed*, *cand* for *caned*; *changd* for *changed*, *fild* for *filed*, *pricd* for *priced*, *usd* for *used*, etc.

The *e* is retaind only in cases where it has by convention a diacritic use, to indicate a preceding long vowel, or in the case of consonants, *c* sibilant or *g* pronounst *j*

ed final pronounst *t*. When the chanje wil not sugjest a wrong pronunciation, spel *t*, reducing a preceding dubl to a singl consonant, and chanjing *ced, sced, final, to st*; e.g. *askt, fixt, helpt, indorst, wisht; addrest, kist, past, shipt, stopt, stuff; advanst, announst, commenst, invoist, notist; acquiest, effervest*; but not *bakt* for *baked*, *deduct* or *dedust* for *deduced*, *fact* or *fast* for *faced*, *hopt* for *hoped*, etc. (See note to preceding rule)

DECIMAL CLASIFICATION

- ei** pronounst like **ie** in **brief**. Spel **ie**; e.g. **conciēt, deciev, inviegle, iether, reciev, wier, wierd**
- ey** final unstrest pronounst like short **y** final. Drop *silent e*; e.g. **barly, chimney, donky, journy, mony, pully, trolly, vally, whisky**
- gh** pronounst **f**. Spel **f**; drop *silent letter* of preceding digraf; e.g. **cof, draft, enuf, laf, ruf, tuf**
- gh** pronounst like **g** in **gas**. Drop *silent h*; e. g. **agast, gastly, gerkin, gost, goul**
- gm** final. Drop *silent g*; e.g. **apothem, diafram, flem, paradim**
- gue** final after a consonant, a short vowel, or a digraf representing a long vowel or a difthong. Drop *silent ue*; e.g. **catalog, dialog, harang, leag, sinagog**; but not *rog* for **rogue**, *vag* for **vague**, etc. *Tongue* spel **tung**
- ise** final pronounst as if speld **ize**. Spel **ize**; e.g. **advertize, advize, apologize, enterprize, franchize, merchandize, rize, surprize, wize**
- mb** final after a short vowel. Drop *silent b*; e.g. **bom, crum, dum, lam, lim, thum**; but not *com* for **comb**, *tom* for **tomb**, etc.
- ou** before **l**, pronounst like **o** in **bold**. Drop *silent u*, except in **soul**; e.g. **bolder, mold, sholder**
- ough** final. Spel **o, u, ock, or up**, when pronounst as if so speld; e.g. **altho, boro, donut, furlo, tho, thoro; thru; hock; hiccup**. Spel **plow**
- our** final, with **ou** pronounst as a short (obscure) vowel. Drop **u**; e. g. **color, favor, honor, labor**
- ph** pronounst **f**. Spel **f**; e.g. **alfabet, emfasis, fantom, fonograf, fotograf, sulfur, telefone, telegraf**
- re** final after any consonant except **c**. Spel **er**; e.g. **center, fiber, meter, theater**; but not *lucer* for **lucre**, *mediocer* for **mediocre**, etc.
- rh** initial. Drop *silent h*; e.g. **retoric, reumatism, rom (rhomb), rubarb, rithm**
- sc** initial pronounst as if speld **s**. Drop *silent c*; e.g. **senery, sented, septer, sience, simitar, sissors**; but **scatter, scooner, sconce**, etc.
- u** *silent* before a vowel medial. Drop **u**; e.g. **bild, condit, guarantee, gard, ges, gide, gild**
- y** between consonants. Spel **i**; e.g. **analysis, fisic, gipsy, silvan, sithe, tipe**

[We uze **y** for sound in **by** and so retain **y** in **syth, typ** etc.]

S S B 18 rules

1 When *ed* final is pronounst **t**, write it simply **t**, where chanje wil not suggest incorrect pronunciation, as **askt, fixt, wisht** etc.; reducing a preceding dubl consonant to a singl consonant, as **blest, kist, dipt, dropt, stept** etc.; and chanjing *-ced* to *-st*, as **advanst, pronounst, rejoist** etc.; but avoid misleading forms like *bakt* for **baked**, *deduct* or *dedust* for **deduced** etc.

2 Chanje *ph* to **f** when so sounded, as **alfabet, fonograf, fotograf, sulfur, telefone, telegraf** etc.

SIMPLER SPELING RULES

3 Drop *e final* after *-lv* and *-rv*, as **delv, shelv, carv, curv, deserv** etc.; also in the endings *-ide, -ile, -ine, -ise, -ite, -ive*, unstrest, pronounst **id, il, in, is, it, iv**, as **bromid, oxid, hostil, textil, anilin, determin, examin, practis, promis, definit, favorit, opposit, activ, nativ, positiv** etc.; and at end of **ar (e), hav(e), giv(e), forgiv(e), misgiv(e), liv(e)**; becauz its normal use after a singl consonant is to sho that preceding vowel is long. Hence it is retaind in such words as **bare, brave, mile, fine, wize, polite, arrive**

4 When digraf *ea* is sounded as in *head* or *heart*, uze sounded letr and omit the other, as **helth, hevy, insted, tred, wether, plesant, hart, harth** etc.

5 Substitute **e** for digrafs and ligatures *ae, æ, oe, œ*, when *not final*, as **esthetic, medieval, fenix** etc.

6 When *ch* is pronounst like **c** in *car* drop *h*, except before *e, i* and *y*, as **caracter, clorid, corus, cronic, eco, epoc, arcangel, mecanic, monarc, scolar, scool, stomach, tecnicl** etc.; but **chemist, architect, monarchy** etc.

Rule 6 was later alterd to 'uze **k** or drop **h**', so we prefer **k** in **skool, mekanic, arkitect** etc.; for the asender **k** looks more like *ch* than does *c* and it is the form sure to be uzed in the end

7 Drop silent *h* from *initial rh*, as **rapsody, reumatism, rubarb** etc.

8 Reduce *ll final*, after a short strest vowel, to **l**, as **bil, dol, dril, dwel, fil, ful, fulfil, shal, tel, wil, wilful** etc.

9 Reduce dubl *final* consonants *bb, dd, ff, gg, nn, rr, tt, zz*, to a singl consonant, as **eb, ad, od, cuf, eg, bun, bur, whirl, net, buz** etc.

10 Drop *-me* from *mme final*, as **gram, program**

11 Drop *-te* from *ette final*, as **cigaret, coquet, etiquet, omelet, quartet**

12 Drop silent *ue final* after **g**, as **catalog, coleag, dialog, pedagog, sinagog** etc.; except when **g** is preceded by a singl long vowel, as in **rogue, vague, vogue** etc. *Tongue* spel **tung**, Milton's way

13 For *-ough* substitute **o, u, of, ock, out** or **up**, according to sound, as **tho, thru, cof, enuf, hock, drout, hiccup** etc. *Plough* spel **plow**

14 Drop silent *b final*, as **crum, lam, lim, num, thum** etc.; except where omission suggests incorrect pronunciation, as in **tomb, comb** etc.

15 Drop *e* from *ey final* unstrest, pronounst like short **y** final, as **abby, barly, chimney, donky, gally, mony, trolly, vally, whisky** etc.

16 Substitute **z** for *s* in *-ise final*, pronounst as if speld **ize**, as **advertize, civilize, criticize, merchandize, rize, wize** etc.

17 Chanje *re final* after any consonant except **c**, to **-er**, as **center, fiber, meter, theater** etc.; but **lucre, mediocre, not lucer, mediocer**

18 Drop *u* from *our final* in words of 2 or more silabls, as **ardor, color, favor, honor, labor** etc.

DECIMAL CLASSIFICATION

D C rules

Supplementing S S B's short list of most needed changes we have selected from its longer preliminary list and from the other best authorities a few more changes which we use in order to familiarize readers with shorter forms sure to be used later.

Beside changes in S S B rules we usually:

Spel **cu**d, **wu**d and **shu**d for these constantly occurring words

Use silabic **l**, **m**, **n** and **r** without the unpronounced vowel; e.g. *single* is not *singlee* or *singul* but **singl**, just as **prism** and **enthusiasm** are not *prisum* and *enthusiasum*. Also omit preceding *obscure* vowel before silabic **l**, **m**, **n**, **r**. These 4 consonants partake of the nature of a vowel and so form syllables; *little* was pronounced *litel*, then *litul*, then *litəl*, and now simply **litl**. Many words are going thru this same shortening. We have no letter for this low unstressed vowel which most people ignore. The *Standard dictionary* says it is 'reduced to a slight vocalic resonance'. As the present vowel is misleading and we have no letter for this very obscure sound it is better to omit it and thus shorten the word. People are less likely to mispronounce this short form than the usual spelling; e.g. *pedal*, *metal*, *gambol*, are not pronounced as spelled, but more and more exactly like *peddle*, *mettle*, *gamble*, which are correctly spelled **pedl**, **metl**, **gambl**. For indicating minute shades of pronunciation in a dictionary our short spelling would not be enough but it is ample for all ordinary use.

Use **u** for *o* or *ou* pronounced as in **us**; e.g. **obvius**, **famus**, **cuntry**, **cum**, **handsum**

Use **j** for *dg*, *dge* or *g*, pronounced **j**; e.g. **jujment**, **rij**, **jem** (except in proper nouns and adjectives, and in old D C entries and for initial in Index)

Use **y** with its very common sound in **by**, **my**, **reply** etc. for *igh*. *igh*, *ei*, *ie*, *ui* and *uy*; e.g. for *height*, *might*, *pleistocene*, *replied*, *guide*, *buy*, we spell **hyt**, **myt**, **plystocene**, **replyd**, **gyd**, **by**.

Leave **i** — **e**, as in *bite*, *ride* etc. till later

Use **k** for *ck* or *ch*, *medial* or *final*, if pronounced **k**; e.g. **bak**, **stok**, **skool**, **mekanic**, **epok**, **monark**

Drop **w** from *ow* final pronounced **o**; e.g. **blo**, **flo**, **sho** etc.

Drop any silent letter that is phonetically useless; e.g. drop **c** from *fascinate*

Drop **r** of double letters that serve no use; e.g. **clas**, **curriculum**, **paralel**, but retain if short form would mislead, as in **hiss**, **off**

Sometimes substitute **s** for *ce*, when it will not suggest wrong pronunciation, e.g. **offis**, **servis**, **prejudis**, but not *fens* for *fence*; also sometimes substitute **z** for *s* or *se*, as in **becauz**, **eazy**, **uzual**, but not in inflections, as in **rubs**, **digs**, **egs**

We leave many bad spellings where corrections as in similar words might lead careless readers into mispronunciation; e.g. we omit **c**, a silly duplication of **k**, in **bak**, but leave it in **backer** because *baker* would confuse with the bread man. With only 23 letters for 40 sounds we must make *only more* *obvius* needed changes and leave many inconsistencies till we have the needed new letters or modified forms to represent the other 17.

U S Jeografic Board rules

Most changes made harmonize with rules uniformly used by U S Jeografic Board (and strongly recommended for general adoption) in officially fixing proper spellings of jeografic names. Sum of these rules applyd to other words ar:

Pronounce vowels as in Italian and other continental European languages, consonants as in English

C always soft (sounded s). Always use **k** for hard **c**; e.g. **Korea, Dakota**; never *Corea, Dacotah*

We leave initial **c**, at present, in **cat, corus, cronology** etc., also final **c** in **grafic** etc.

G is always hard. Use **j**, never *dj*, for soft **g** (j sound)

Ch always as in **church**; never use for **k** sound, e.g. spel **arkitect, caracter, corus, skool**

We keep **chemic** temporarily; **kemic** cums later

Never use **ph** for **f** sound

Always pronounce **h** when used; e.g. **humor**, not *yumor*

Never use **y** for vowel **i** when it has its proper sound as in other languages (as in **pin, pique**): e.g. **limf, lynch, simbol**, not *lymph, lynch, symbol*

Ei, with both short vowels pronounced respectively as in **met** and **pin**, sound like **ey** in **they** and **prey**, or **a** in **fate**

Omitting useless **gh** in **sleigh, weigh, freight** etc. leaves better spellings

Filologists 10 joint rules

These were made by American and English filologic associations, including nearly all eminent scholars in English, after several years study by committees of their leading members. British and Americans jointly recommended these 10 rules as in the interests of real scholarship as well as common sense:

1 **e** Drop silent **e** when phonetically useless, writing **er** for **re**; as in **live** (verb), **single, eaten, rained, theatre (theater)**

2 **ea** Drop **a** from **ea** having sound of **e** as in **met**; e.g. **feather, leather**

3 **o** For **o** having sound of **u** in **but**, write **u** in **above (abuv), tongue (tung)** and the like

4 **ou** Drop **o** from **ou** having sound of **u** in **but**, in **trouble (trubl), rough (ruf)** and the like. For **our** unaccented, as in **honour**, write **or**, e.g. **honor**

5 **u, ue** Drop silent **u** after **g** before **a**, and in native English words, and drop final **ue**; **guard, guess (ges), catalogue, league** etc.

[Do not drop **ue** when pronounced, as in **argue, value**, nor when preceded by a single long vowel, as in **roque, vague**]

6 **Doubl consonants** may be simplified when phonetically useless; e.g. **baillif** (but *not hall* etc.), **battle (batl), written (writn), traveller**

7 Change **d** and **ed** final to **t** when so pronounced, as in **looked (lookt)** etc. unless the **e** affects the preceding sound, as in **chafed** etc.

DECIMAL CLASSIFICATION

8 **gh, ph** Chanje *gh* and *ph* to **f** when so sounded; e.g. *enough* (**enuf**), *laughter* (**lafter**) etc.; *phonetic* (**fonetic**) etc.

9 **s** Chanje *s* to **z** when so sounded, specially in distinctiv words and in *-ise*; e.g. **abuse** (noun), **abuze** (verb), *advertise* (**advertize**)

10 **t** Drop *t* in *tch*; e.g. **catch**, **pitch** etc.

Comments

Rule 1 gives us **l, m, n** and **r** as silabls without the useless *e* which no authority pronounces as writn; e.g. **singl, eatn**

Rules 3 and 4 giv us **u** for *o* and *ou* pronounst like **u** in **us**; e.g. **cum, handsum, obvius, perilus**

In rule 9, **s** pronounst **z** is left in inflections becauz there ar so many, and chiefly becauz the vocal organs force the ryt **z** sound after the voist consonants **b, d, g, m, ng, v**, as in **rubs, pads, digs, egs, hums, bangs, givs** etc. Trying to pronounce *s* results in *rups, pats, diks, eks, humps, banks, gifs* etc.

Rules 3, 4, 9 and 10, while not in S S B short list, ar fully approved. It was merely choice of *which* chanjes to make first with those who havn't the curaj to make all at once. When all leading skolars of the English world, including editors of all great dictionaries, recommend shortr forms, why shud we continue to write the worse than useless letrs? Every child and forener who has lerned **rave, wave, dive, alive** etc. is sure to pronounce **have, give** and **live** (verb) wrong unless we omit the useless *e*.

Sugjestions

We shud be glad to have any practical sugestions, but to save time and gard agenst elaborate presentation of varius fine spun theories, we ad that we hav wacht for many years the results of elaborate and wonderfully delicate experiments in our best sykolojic laboratories. We hav red care-fully all the 'arguments' that sum wil deduce for retaining certain useless letrs. But these refinements, while very interesting to the specialist, hav no practical bearing whatever on languaj as the greatest tool with which man works. Its function is to convey meaning clearly as quickly and cheaply as posibl. Microscopic verbal milinery has no proper place in this vast enjin. When one tels us that he has proved that *o* is uzualy pronounst with a slyt vanish which cud be represented by *w* we admire his observant analisis, but when he wishes to argue that we shud therefore ad *w* to *go* we hav no time for his vagaries. To attach sum mark to sho every refinement which modern reserch cud establish wud result in sum-thing quite too complex for daily use. Melville Bell's visibl speech was a marvelous invention but only an unbalanst mind wud advocate its use for infinit demands of daily life.

By evolution, not revolution, we shal stedily move toward the ideal, when the greatest languaj the world has yet seen wil hav 40 distinct syns for its 40 distinct sounds, and becauz of its manifold advantajes wil becum the common tung of the world, known in adition to his vernacular by every inteligent inhabitant.

INDEX TO INTRODUCTION AND SIMPLER SPELLING

Superior figures indicate the part of page in ninths; 1, 5 and 9 indicating top, middle and foot: 27³ means $\frac{1}{3}$ way between top and middle of p. 27.

D C means *Decimal classification*.

C D means *Classification décimale*, the enlarged French translation of D C.

I I B means Institut International de Bibliographie.

N E A means National Education Association.

S S B means Simplified Spelling Board (American).

S S S means Simplified Spelling Society (English).

- Absurdities** in spelling 46¹, 50³-51³
Accession book, advantages of D C for 22²
Accession order, for book numbers 30³
Accretion syn 37³
Adaptability of D C 23³
Aded entries 26³-27³
Adoption of D C by I I B 37¹
Advantages of D C 21³-24³
Aknowlejmments 42⁴-43³
-Al dropt 50³
Alfabet, use of for final subdivisions 35³
Alfabet, perfect 46⁴
Alfabetic arrangement, method in C D 39³
Alfabetic characters, new 46⁴
Allyd subjects, sequence 14³
American Filolojic Association, committee on key alfabet for *Standard dictionary* 45³
American Library Association D C committee 43³, 44¹
Amherst college, library recatalogd 23³
Analitic references 27³
Andrews, C W, indettedness to 43³
Arabic numerals, advantaj of using 23⁷, 49³-50³; argument agenst 46³
Arrangement of D C 24³-25³
Assyning numbers, directions 10⁴, 26⁴-28¹
Author numbers 29³
Author tables, special 30⁴

Basis of I I B revision 37¹
Bibliografic modifications 37¹-39⁴
Bilding numbers 28⁷-29³
Biografy, treatment of 33³
Biscoe, W S, time number sistem 30³; valuabl assistance 43³
Book numbers 29³-30³
Books, arrangement 6³; how to find subject of 25³
Bookstores, use of D C in 39³
Broken order, advantaj of 35³-36³

Cachtitles, use of 14³
Cards, arrangement 6³
Carnegie, Andrew, supporter of simpler spelling 45³, 48³-49³
Catalogs 20⁷-21³
Cautions, in making variations 31³
Chanjes, unauthorized, effect of 29³, 31³, 32²
Charjing sistem, advantages of D C for 22³-23¹

Clas numbers, definition 12³; how to assyn 10³, 26⁴-28¹; how to bild 28⁷-29³; how to read 24⁷; in name catalog 20³; in shelflist 20³; number of figures uzed 28¹
Clases: divisions and sections 6³; broken order 35³-36³
Classification, labor of constructing sistem 10³; lak of uniformity 11³; requirements of sistem 7³; test of skeme 11³; testing new skemes 16³, 42³
Clast catalog, arrangement 21¹; objection obviated 11³; printed 21³
Close clasing 13³, 26⁷; illustrated by history divisions 13³; objection and compromize 28³; requisit for bibliografers and specialists 37³; value of 15⁴-16³
Colon, meaning 38³
Conciseness, D C 8³; English 50³
Consistency in spelling, not essential 50³; of S S S 47³
Consonants, new 46⁴
Contractions for specialists 34³-35³
Coordination, preservd in D C 13³
Copyryt restrictions 32³
Cronolojy, use of for final subdivisions 35³
Cupling syn 38¹
Cutter numbers, advantages 29³

Dash, meaning in C D 38¹
Decimal classification, essential feature 9⁴; explanation of meaning 10¹; extent of use 8³-9¹; future of 43³-44⁴; labor of constructing 42³; orijin and growth 7⁴-8³, 42³-43³; practical test 7³; priority of its invention 9³; product of experts 12³, 42³; simplicity 9³; spelling rules 52¹, 56; variations 30³-36³
Decimal form of the sistem 9³
Decimalism, use of 18³-19³
Dictionary catalog, inferiority 21³
Differences between D C and C D 37³
Digrafis 46³, 46⁷
Divisions 6³
Duplicates, see Sale duplicates

Editions 9¹
Editorship 43³
Education, methods of 48¹
Education of the masses 49³
Efficiency in English, committee on 45³
Endowment of special departments 23³-24³

DECIMAL CLASIFICATION

- English languaj, caracer of 48⁶;
chanjes in 46⁹-47¹, 49⁷-50³; 50⁸-51⁷;
conciseness in use of 50⁸; purpose of
49⁸, 58⁶; world languaj 48⁸-49², 58⁹
- English speling caracerized 47⁴
- Entries, aded 26⁸-27⁹
- Equality syn, meaning 38⁸
- Fiction**, treatment of 32⁷
- Filologic associations, rules 57⁴-58⁵
- Fonetic speling 47⁶
- Form distinctions, position 15⁵; use
of 14⁴-15²
- Form divisions, uniform numbers 15⁴
- Form syn 38⁴
- Future of D C 43⁹-44⁴
- Heds** 10³; choice and arranjement 14³
- Hyfen, meaning in C D 38¹
- Ideal** in speling 45⁶, 46⁵, 47⁷, 58⁹
- Importance of speling reform 49³
- Improvements (so-cald) of D C 31²
- Inconsistencies in speling, D C rules
56³; S S B method 47¹
- Index 6⁸, 8³, 9⁷, 10⁸-12⁵; a diction-
ary catalog 21⁶; effect of chanjes in
tables 31²; essential feature of D C
9⁴; fulness 10⁶, ilustration of use 10⁷-
11³; labor of constructing 42⁴; plan of
25³; scope 12⁴; sugestions for uzing
25⁵, 26¹, 29⁶; use of blakface typ 11⁴
- Index rerums, use of D C for 40⁷-41⁶
- Index tables, appended 17⁸
- Infinity simbol, meaning 38⁶
- Institut International de Bibliographie,
adoption of *Decimal clasification* 37¹;
extension of D C by 37⁴; obligations
to 43¹
- Johnson's dictionary** 50⁹-51²
- Jujment, exercize of 48¹
- Juvenil literature, treatment 32⁵
- Lake Placid Club Education Founda-
tion** 43⁸-44⁴
- Languaj, purpose of 49⁸, 58⁶; universal
48⁸-49², 58⁹
- Languaj and literature, combining 34³
- Languaj colections 33³-34¹
- Languaj syn 38⁸
- Letter notations for chanjes 32³
- Letters, new 46⁴
- Libraries uzing D C 9¹
- Literature and languaj, combining 34⁸
- Mases**, education of 49³
- Minor subjects, disposition of 13⁸
- Minute clasing, *see* Close clasing
- Mnemonics, use of 16⁷-18³
- Modern Languaj Association, com-
mittee on key alfabet for *Standard
dictionary* 45⁵
- Money wasted by English speling 47⁴
- Name catalog** 20⁸
- National Education Association, com-
mittee on key alfabet for *Standard
dictionary* 45⁵; 12 words 51⁸, 52²
- Naught, normal value of 13¹; uzed for
chanjed caracer of subdivision 13²,
for form distinctions 14⁷-15⁴, for
jeneral works 6¹, 12², 14⁷
- Naught, dubl, meaning jeneral points
of view 39¹; subdivisions peculiar to a
subject 38⁶
- Nemonics, use of 16⁷-18³
- New subjects, disposition of 14¹
- Notation, simplicity 8², 9⁶
- Note books, use of D C for 41⁴
- Note typ 15⁹
- Numeration, method of 24⁷
- Obligation**, speling 49³
- Order, of bibliografic simbols 39⁴;
of clases, broken 35⁸-36⁶; of subjects
14³
- Pamflets**, avantajes of D C for 22³
- Paralel libraries, treatment of 33⁷-34¹
- Parenthetic numbers, form 38⁴; place
38⁷
- Pedants rules 49⁶-50⁴
- Filologic associations, rules 57⁴-58⁵
- Phonetic speling 47⁶
- Place syn 38⁷
- Plus syn, meaning 37⁹
- Points of view, jeneral, syn for 39¹
- Pro and con division of topics 36⁶
- Pronouncing correctly, impossibility of
47⁹
- Pronunciation, variations in 46², 47⁷,
48⁵, 50⁸
- Quotation marks**, meaning 38⁹
- Reasoning power dednd** 47⁷-48⁸
- Reasons for simpler speling 47⁸-49⁸
- Recataloging or reclasifying, advan-
tajes of D C in 23²
- Reference library, treatment of 34³
- Refinements in speling, theoretic 58⁸
- Reformd speling, *see* Speling, simpler
- Relation syn 38⁸
- Relativ Index, *see* Index
- Relativ location 21⁸; avantaj of
19²-20⁴, need of 19⁸
- Revision of D C, basis of C D 37¹
- Sale duplicates**, avantajes of D C
for 22⁶
- School years wasted by English speling
47⁴, 48⁸
- Scrapbooks, use of D C for 40⁶
- Sections 6², 24⁸-25¹; subsections 6⁶, 25¹
- Separates, proposed, 41⁸-42¹
- Sequence, of allyd subjects 14³; of
bibliografic syns 39⁴; of clases,
broken 35⁸-36⁶
- Sets of books 20², 27⁸
- Seymour, May 43⁴-44¹
- Shelflist 20⁹; avantajes of D C for
22¹
- Shelvs, avantajes of D C for 19⁴-20⁴,
21⁹
- Signs, I I B skeme 37⁸-39⁴
- Simbol notations for chanjes 32³

INDEX TO INTRODUCTION AND SIMPLER SPELING

- Simpler speling, *see* Speling, simpler
 Simplifyd Speling Board, method of
 46^a-47^a; rules 51^a, 52^a-55^a, supple-
 mented by D C rules 56^a; supported
 by Carnegie 45^a; 30 words 51^a, 52^a
 Simplifyd Speling Socyety 46^a, 47^a
 Size, distinction by 20^a
 Skool years wasted by English speling
 47^a, 48^a
 Small libraries, adaptability to 28^a
 Social problems, solution in education
 49^a
 Special colections, treatment 32^a-
 33^a, 33^a-34^a, 34^a
 Specialists, use of D C by 8^a, 34^a-35^a
 Specialties, influence on assyning clas
 numbers 27^a
 Speling, simpler 45-58; agreement on
 need for 45^a; methods for attaining
 45^a-47^a; reazons for 47^a-49^a; rules
 51^a-58^a
 Speling correctly, impossibility of 47^a
 Speling variations 45^a-46^a, 48^a
 Standard dictionaries, key alfabet
 for 45^a
 Subject catalog, *see* Clast catalog
 Subject Index, *see* Index
 Subject references, advantajes of D C
 for 23^a; *see also* Aded entries
 Subjects, sequence of 14^a
 Sugjestions to uzers of D C 24^a-30^a
 Summaries 6^a
 Syns, I I B skeme 37^a-39^a
- Tables, index, appended 17^a; of clasi-
 fication, plan of 12^a-13^a, 24^a-25^a;
 sugestions for uzing 24^a, 25^a-28^a;
 tentativ 16^a;
 30 words of S S B 51^a, 52^a
 Time numbers 30^a
 Time syn 38^a
 Time wasted by English speling 47^a, 49^a
 Topical indexes, use of D C for 41^a
 Tuskegee Institute, speling and pro-
 nunciation requirement 46^a
 12 words of N E A 51^a, 52^a
 Typ, significance of small 15^a
- Uniformity in clasification, how to
 gain 27^a; Index a gyd to 11^a
 United States Jeografic Board, rules
 57^a
 Universal languaj 48^a-49^a, 58^a
 Universality syn 38^a
 Uses of D C 8^a
- Variations practicabl in D C clasi-
 fication 30^a-36^a
 View, jeneral points of, syn for 39^a
 Vowels, new 46^a
- Waste, *see* Mony wasted; Time wasted
- Zero, *see* Naught

Form headings:

1. Philosophy
2. Compendo
3. Dictionaries
4. Essays
5. Periodicals

6. Societies
7. Study and teaching.
8. Polygraphy — Collections
9. History

FIRST SUMMARY

CLASSES

- 0 General works
- 1 Filosofy
- 2 Religion
- 3 Sociology
- 4 Filology
- 5 Natural science
- 6 Useful arts
- 7 Fine arts
- 8 Literature
- 9 History

SECOND SUMMARY

DIVISIONS

000	General works	500	Natural science
010	Bibliografy	510	Mathematics
020	Library economy	520	Astronomy
030	General cyclopedias	530	Physics
040	General collections	540	Chemistry
050	General periodicals	550	Geology
060	General societies Museums	560	Paleontology
070	Journalism Newspapers	570	Biology
080	Special libraries Polygrafy	580	Botany
090	Book rarities	590	Zoology
100	Filosofy	600	Useful arts
110	Metaphysics	610	Medicin
120	Special metaphysical topics	620	Engineering
130	Mind and body	630	Agriculture
140	Filosofic systems	640	Domestic economy
150	Mental faculties Psychology	650	Communication Commerce
160	Logic Dialectics	660	Chemic technology
170	Ethics	670	Manufactures
180	Ancient filosofers	680	Mechanic trades
190	Modern filosofers	690	Bilding
200	Religion	700	Fine arts
210	Natural theology	710	Landscape gardening
220	Bible	720	Architecture
230	Doctrinal Dogmatics Theology	730	Sculpture
240	Devotional Practical	740	Drawing Decoration Design
250	Homiletic Pastoral Parochial	750	Painting
260	Church Institutions Work	760	Engraving
270	Religious history	770	Fotografy
280	Christian churches and sects	780	Music
290	Ethnic and other religions	790	Amusements
300	Sociology	800	Literature
310	Statistics	810	American
320	Political science	820	English
330	Political economy	830	German
340	Law	840	French
350	Administration	850	Italian
360	Associations and institutions	860	Spanish
370	Education	870	Latin
380	Commerce Communication	880	Greek
390	Customs Costumes Folklore	890	Minor languages
400	Filology	900	History
410	Comparativ	910	Geografy and travels
420	English	920	Biografy
430	German	930	Ancient history
440	French	940	Europe
450	Italian	950	Asia
460	Spanish	960	Africa
470	Latin	970	North America
480	Greek	980	South America
490	Minor languages	990	Oceania and polar regions

Modern

General worksLimited to *none* of the 9 classes

- | | | | |
|-----|--|-----|--|
| 000 | | 050 | General periodicals |
| 001 | | 051 | American |
| 002 | | 052 | English |
| 003 | Left blank for local history or biography, etc. where some special collection is making which is to be kept in a case by itself, out of its regular place in the classification. Individuals use these numbers for personal diaries, note books, memorabilia, etc. | 053 | German |
| 004 | | 054 | French |
| 005 | | 055 | Italian |
| 006 | | 056 | Spanish |
| 007 | | 057 | Slavic |
| 008 | | 058 | Scandinavian |
| 009 | | 059 | Minor languages |
| 010 | Bibliography | 060 | General societies |
| 011 | General bibliographies | 061 | American |
| 012 | Of individuals | 062 | English |
| 013 | “ special classes of authors | 063 | German |
| 014 | “ “ forms, pseudonyms, etc. | 064 | French |
| 015 | “ “ countries | 065 | Italian |
| 016 | “ “ subjects | 066 | Spanish |
| 017 | Class catalogs | 067 | Slavic |
| 018 | Author “ | 068 | Scandinavian |
| 019 | Dictionary catalogs | 069 | Minor languages |
| 020 | Library economy | 070 | Newspapers Journalism |
| 021 | Scope, usefulness and founding | 071 | American |
| 022 | Buildings | 072 | English |
| 023 | Government and service | 073 | German |
| 024 | Regulations for readers | 074 | French |
| 025 | Administration Departments | 075 | Italian |
| 026 | Libraries on special subjects | 076 | Spanish |
| 027 | General libraries Reports, etc. | 077 | Slavic |
| 028 | Reading and aids | 078 | Scandinavian |
| 029 | Literary methods Laborsavers | 079 | Minor languages |
| 030 | General cyclopedias | 080 | Special libraries Polygraphy |
| 031 | American | 081 | Left blank to be used (if prefer to prefixing an initial) for general collections of books which by terms of gift or for other cause must be kept together. This must be kept distinct from 040 where the individual books are polygraphic, i. e. are bound pamphlets, essays, addresses, scrap or note books, etc. too general in scope to go under any single class. Juvenils could be put here, but are better kept in a separate class, market J |
| 032 | English | 082 | |
| 033 | German | 083 | |
| 034 | French | 084 | |
| 035 | Italian | 085 | |
| 036 | Spanish | 086 | |
| 037 | Slavic | 087 | |
| 038 | Scandinavian | 088 | |
| 039 | Minor languages | 089 | |
| 040 | General collected essays | 090 | |
| 041 | American | 091 | Manuscripts Autographs |
| 042 | English | 092 | Block books |
| 043 | German | 093 | Early printed Incunabula |
| 044 | French | 094 | Rare printing Privately printed |
| 045 | Italian | 095 | Rare binding |
| 046 | Spanish | 096 | Rare illustrations or materials |
| 047 | Slavic | 097 | Ownership Bookplates |
| 048 | Scandinavian | 098 | Prohibited Lost Imaginary |
| 049 | Minor languages | 099 | Other rarities Curiosa |

Philosophy

100 Philosophy
 101 Utility
 102 Compendis
 103 Dictionaries
 104 Essays
 105 Periodicals
 106 Societies
 107 Study and teaching
 108 Polygrafy Maxims
 109 History
110 Metaphysics
 111 Ontology
 112 Methodology
 113 Cosmology
 114 Space
 115 Time
 116 Motion
 117 Matter
 118 Force
 119 Quantity Number
120 Metaphysical topics
 121 Knowledge: origin, limits
 122 Causation Cause and effect
 123 Liberty and necessity
 124 Teleology Final causes
 125 Infinit and finite
 126 Consciousness Personality
 127 Unconsciousness Automata
 128 The soul
 129 Origin of the individual soul
130 Mind and body
 131 Mental physiology and hygiene
 132 Mental derangements
 133 Occultism Witchcraft Magic
 134 Mesmerism Clairvoyance
 135 Sleep Dreams Somnambulism
 136 Mental characteristics
 137 Temperaments Personality
 138 Physiognomy
 139 Phrenology Mental photografs
140 Philosophic systems
 141 Idealism Transcendentalism
 142 Critical philosophy
 143 Intuitionism
 144 Empiricism
 145 Sensationalism
 146 Materialism Positivism
 147 Pantheism Monism
 148 Eclecticism
 149 Other philosophic systems

150 Mental faculties
 151 Intellect
 152 Sense perceptions
 153 Understanding
 154 Memory
 155 Imagination
 156 Reason Intuitiv faculty
 157 Sensibility Emotions
 158 Instincts Appetites
 159 Will
160 Logic Dialectics
 161 Inductiv
 162 Deductiv
 163 Assent
 164 Symbolic Algebraic
 165 Sources of error Fallacies
 166 Syllogism Enthymeme
 167 Hypotheses
 168 Argument and persuasion
 169 Analogy Correspondence
170 Ethics
 171 Theories of ethics
 172 State ethics
 173 Family ethics
 174 Professional and business ethics
 175 Ethics of amusements
 176 Sexual ethics
 177 Social ethics
 178 Temperance
 179 Other ethical topics
180 Ancient philosophers
 181 Oriental
 182 Early Greek
 183 Sophistic and Socratic
 184 Platonic
 185 Aristotelian
 186 Pyrrhonist New Platonist
 187 Epicurean
 188 Stoic
 189 Early Christian and mediev.
190 Modern philosophers
 191 American
 192 British
 193 German
 194 French
 195 Italian
 196 Spanish
 197 Slavic
 198 Scandinavian
 199 Other modern

Religion

- | | | | |
|-----|---------------------------------|-----|-------------------------------------|
| 200 | Religion | 250 | Homiletic Pastoral Parochial |
| 201 | Philosophy Theories | 251 | Homiletics Preaching |
| 202 | Compends | 252 | Sermons |
| 203 | Dictionaries | 253 | Pastoral visitations Evangelistic |
| 204 | Essays | 254 | Cleric support Celibacy |
| 205 | Periodicals | 255 | Brotherhoods Sisterhoods |
| 206 | Societies | 256 | Societies for parish work Gilda |
| 207 | Education Theologic schools | 257 | Parochial schools, libraries, etc. |
| 208 | Polygrafy | 258 | Parish care of sick, fallen, etc. |
| 209 | History of theology | 259 | Other ministrations and work |
| 210 | Natural theology | 260 | Church Institutions Work |
| 211 | Deism and atheism | 261 | Church |
| 212 | Pantheism Theosofy | 262 | Ecclesiastic polity |
| 213 | Creation Evolution | 263 | Sabbath Lord's day Sunday |
| 214 | Providence Theodicy Fatalism | 264 | Public worship Ritual |
| 215 | Religion and science | 265 | Sacraments Ordinances |
| 216 | Evil Depravity | 266 | Missions Home and foren |
| 217 | Prayer | 267 | Associations Y M C A, etc. |
| 218 | Future life Immortality | 268 | Sunday schools |
| 219 | Analogies Correspondences | 269 | Revivals Retreats |
| 220 | Bible | 270 | Religious history |
| 221 | Old Testament | 271 | Monastic orders Monasteries |
| 222 | Historic books | 272 | Persecutions |
| 223 | Poetic " | 273 | Heresies |
| 224 | Prophetic " | 274 | Europe |
| 225 | New Testament | 275 | Asia |
| 226 | Gospels and Acts | 276 | Africa |
| 227 | Epistles | 277 | North America |
| 228 | Apocalypse | 278 | South America |
| 229 | Apocrypha | 279 | Oceanica |
| 230 | Doctrinal Dogmatics | 280 | Christian churches and sects |
| 231 | God Unity Trinity | 281 | Primitiv and oriental |
| 232 | Christ Christology | 282 | Roman catholic |
| 233 | Man The fall Sin | 283 | Anglican and American P E |
| 234 | Salvation Soteriology | 284 | Continental protestant |
| 235 | Angels Devils Satan | 285 | Presbyterian Congregational |
| 236 | Eschatology Deth Judgment | 286 | Baptist Immersionist |
| 237 | Future state | 287 | Methodist |
| 238 | Creeds Catechisms | 288 | Unitarian |
| 239 | Apologetics Evidences | 289 | Minor Christian sects |
| 240 | Devotional Practical | 290 | Ethnic and other religions |
| 241 | Didactic | 291 | Comparativ & general mythology |
| 242 | Meditativ | 292 | Greek and Roman |
| 243 | Hortatory | 293 | Teutonic and Northern |
| 244 | Miscellany Fiction | 294 | Brahmanism Buddhism |
| 245 | Hymnology Religious poetry | 295 | Parseeism |
| 246 | Ecclesiology Symbolism | 296 | Judaism |
| 247 | Sacred furniture, vessels, etc. | 297 | Mohammedanism |
| 248 | Personal religion Asceticism | 298 | Mormonism |
| 249 | Family devotions | 299 | Minor nonchristian religions |

Sociology

300	Sociology	350	Administration	Army
301	Philosophy Theories	351	Administration of central gov't	
302	Compendis	352	Local government: city, town	
303	Dictionaries	353	United States and state	
304	Essays	354	Foren states	
305	Periodicals	355	Army Military science	
306	Societies	356	Infantry	
307	Education	357	Cavalry	
308	Polygrafy	358	Artillery	
309	History of sociology	359	Navy Naval science	
310	Statistics	360	Associations	Institutions
311	Theory Methods	361	Charitable	
312	Population	362	Hospitals Asylums	
313	Special topics	363	Political	
314	Europe	364	Reformatory	
315	Asia	365	Prisons Disciplin	
316	Africa	366	Secret societies	
317	North America	367	Social clubs	
318	South America	368	Insurance	
319	Oceanica	369	Other	
320	Political science	370	Education	
321	Form of state	371	Teachers, methods, and disciplin	
322	Church and state	372	Elementary Kindergarten	
323	Internal or domestic relations	373	Intermediate	
324	Suffrage Citizenship	374	Self education and culture	
325	Colonies and immigration	375	Curriculum	
326	Slavery	376	Education of women	
327	Foren relations	377	Religious, ethical and secular	
328	Legislativ bodies and annals	378	Colleges and universities	
329	Political parties	379	Public schools State education	
330	Political economy	380	Commerce	Communication
331	Capital Labor Wages	381	Domestic trade	
332	Banks Money Credit Interest	382	Foren trade Consular reports	
333	Land Ownership Rights & rent	383	Postoffis	
334	Cooperation	384	Telegraf Cable Telephone	
335	Socialism and communism	385	Railroad and express	
336	Finance Public funds Taxation	386	Canal & highway transportation	
337	Protection and free trade	387	River and ocean transportation	
338	Production Manufacture Prices	388	City transit	
339	Consumption Pauperism	389	Weights and mesures Metrology	
340	Law	390	Customs	Popular life
341	International law	391	Costume and care of person	
342	Constitutional law and history	392	Birth, home and sex customs	
343	Criminal law	393	Treatment of ded	
344	Martial law	394	Public and social customs	
345	U. S. statutes and cases	395	Etiquet	
346	British statutes and cases	396	Woman's position and treatment	
347	Treatises: American and British	397	Gipsies Nomads Outcast races	
348	Canon law	398	Folklore Proverbs, etc.	
349	Foren law Roman	399	Customs of war	

Philology

400 Philology		450 Italian
401 Philology		451 Orthography
402 Compendis		452 Etymology
403 Dictionaries		453 Dictionaries
404 Essays		454 Synonyms
405 Periodicals		455 Grammar
406 Societies		456 Prosody
407 Study and teaching		457 Dialects
408 Polygraphy		458 School texts
409 History of language		459 Rumansh and Wallachian
410 Comparativ		460 Spanish
411 Orthography	Alfabetis	461 Orthography
412 Etymology		462 Etymology
413 Dictionaries		463 Dictionaries
414 Phonology		464 Synonyms
415 Grammar		465 Grammar
416 Prosody		466 Prosody
417 Inscriptions		467 Dialects
418 Texts		468 School texts
419 Hieroglyphics		469 Portuguese
420 English		470 Latin
421 Orthography		471 Orthography
422 Etymology		472 Etymology
423 Dictionaries		473 Dictionaries
424 Synonyms		474 Synonyms
425 Grammar		475 Grammar
426 Prosody		476 Prosody
427 Dialects		477 Dialects
428 School texts		478 School texts
429 Anglo-Saxon		479 Minor Italic
430 German		480 Greek
431 Orthography		481 Orthography
432 Etymology		482 Etymology
433 Dictionaries		483 Dictionaries
434 Synonyms		484 Synonyms
435 Grammar		485 Grammar
436 Prosody		486 Prosody
437 Dialects		487 Dialects
438 School texts		488 School texts
439 Minor Teutonic		489 Minor Hellenic
440 French		490 Minor languages
441 Orthography		491 Minor Indo-European
442 Etymology		492 Semitic
443 Dictionaries		493 Hamitic
444 Synonyms		494 Scythian Turanian
445 Grammar		495 Eastern Asiatic
446 Prosody		496 African
447 Dialects		497 North American
448 School texts		498 South American
449 Provençal		499 Malay-Polynesian and other

Natural science

- | | | | |
|------------|-------------------------------|------------|-------------------------------|
| 500 | Natural science | 550 | Geology |
| 501 | Philosophy | 551 | Physical and dynamic geology |
| 502 | Compendis | 552 | Lithology Petrography |
| 503 | Dictionaries | 553 | Economic geology |
| 504 | Essays | 554 | Europe |
| 505 | Periodicals | 555 | Asia |
| 506 | Societies | 556 | Africa |
| 507 | Education Museums | 557 | North America |
| 508 | Polygraphy | 558 | South America |
| 509 | History | 559 | Oceanica Polar regions |
| 510 | Mathematics | 560 | Paleontology |
| 511 | Arithmetic | 561 | Plants |
| 512 | Algebra | 562 | Invertebrates |
| 513 | Geometry Conic sections | 563 | Protozoa Radiates |
| 514 | Trigonometry | 564 | Mollusks |
| 515 | Descriptiv geometry | 565 | Articulates |
| 516 | Analytic geometry Quaternions | 566 | Vertebrates |
| 517 | Calculus | 567 | Fishes Batrachia |
| 518 | | 568 | Reptils Birds |
| 519 | Probabilities | 569 | Mammals |
| 520 | Astronomy | 570 | Biology Ethnology |
| 521 | Theoretic | 571 | Prehistoric archeology |
| 522 | Practical and spheric | 572 | Ethnology Anthropology |
| 523 | Descriptiv | 573 | Natural history of man |
| 524 | Maps and observations | 574 | Homologies |
| 525 | Earth | 575 | Evolution Species |
| 526 | Geodesy | 576 | Origin and beginnings of life |
| 527 | Navigation | 577 | Properties of living matter |
| 528 | Ephemerides | 578 | Microscopy |
| 529 | Chronology | 579 | Collectors manuals |
| 530 | Physics | 580 | Botany |
| 531 | Mechanics | 581 | Physiologic and structural |
| 532 | Liquids Hydraulics | 582 | Phanerogamia |
| 533 | Gases Pneumatics | 583 | Dicotyledonae |
| 534 | Sound Acoustics | 584 | Monocotyledonae |
| 535 | Light Optics | 585 | Gymnospermae |
| 536 | Heat | 586 | Cryptogamia |
| 537 | Electricity | 587 | Pteridophyta |
| 538 | Magnetism | 588 | Bryophyta |
| 539 | Molecular physics | 589 | Thallophyta |
| 540 | Chemistry | 590 | Zoology |
| 541 | Theoretic | 591 | Physiologic zoology |
| 542 | Practical and experimental | 592 | Invertebrates |
| 543 | Analysis | 593 | Protozoa Radiates |
| 544 | Qualitativ | 594 | Mollusks |
| 545 | Quantitativ | 595 | Articulates |
| 546 | Inorganic | 596 | Vertebrates |
| 547 | Organic | 597 | Fishes Batrachia |
| 548 | Crystallografy | 598 | Reptils Birds |
| 549 | Mineralogy | 599 | Mammals |

Useful arts

600 Useful arts	650 Communication Commerce
601 Filosofy	651 Offis equipment and methods
602 Compendis	652 Writing: materials, typewriters
603 Dictionaries	653 Abbreviations Shorthand
604 Essays	654 Telegraf Cables Signals
605 Periodicals	655 Printing Publishing Copyright
606 Societies Fairs Exhibitions	656 Transportation Railroadng, etc.
607 Education, schools of technology	657 Bookkeeping Accounts
608 Patents Inventions	658 Businessmanuals Methods Tables
609 History of useful arts	659 Advertising and other topics
610 Medicin	660 Chemic technology
611 Anatomy	661 Chemicals
612 Fysiology	662 Pyrotechnics Explosivs
613 Hygiene Gymnastics Training	663 Beverages: wines, liquors, ales, etc.
614 Public helth	664 Foods: sugar, starch, etc.
615 Materia medica Therapeutics	665 Lights: gas, oil, candles, etc.
616 Pathology Diseases Treatment	666 Ceramics: glass, clay, cement, etc.
617 Surgery Dentistry	667 Bleaching Dyeing Inks Paints
618 Diseases of women and children	668 Other organic chemic industries
619 Comparativ medicin Veterinary	669 Metallurgy Assaying
620 Engineering	670 Manufactures
621 Mechanical	671 Articles made of metals
622 Mining	672 Of iron & steel; stoves, cutlery
623 Military Naval	673 Of brass and bronze; bells, etc.
624 Bridge and roof	674 Lumber & articles made of wood
625 Road and railroad	675 Lether " " lether
626 Canal	676 Paper " " paper
627 River and harbor	677 Cotton, wool, silk, linen, etc.
628 Sanitary Waterworks	678 Rubber & articles made of rubber
629 Other branches	679 Celluloid and other
630 Agriculture	680 Mechanic trades
631 Soil Fertilizers Drainage	681 Watch and instrument making
632 Pests Hindrances Blights Insects	682 Blacksmithing Horseshoeing
633 Grains Grasses Fibers Tea, etc.	683 Lock and gun making
634 Fruits Orchards Vineyards	684 Carriage and cabinet making
635 Kitchen garden	685 Saddlery & shoemaking Trunks
636 Domestic animals	686 Bookbinding
637 Dairy: milk, butter, cheese	687 Clothesmaking Hats
638 Bees Silkworms	688
639 Fishing Trapping	689 Other trades
640 Domestic economy	690 Bilding
641 Food Cookery	691 Materials Processes Preservativs
642 Serving Entertaining	692 Plans and specifications
643 Shelter; house, home	693 Masonry Plastering, etc.
644 Heat, light, ventilation	694 Carpentry Stairbilding
645 Furnishing Decoration	695 Roofing Slating and tiling
646 Clothing Toilet	696 Plumbing Gas and steam fitting
647 Household administration	697 Heating and ventilation
648 Sanitary precautions	698 Painting Glazing Paperhanging
649 Nursery Sickroom	699 Carbilding

Fine arts

- | | | | |
|------------|-------------------------------------|------------|-----------------------------------|
| 700 | Fine arts | 750 | Painting |
| 701 | Philosophy Esthetics | 751 | Materials and methods |
| 702 | Compendis | 752 | Color |
| 703 | Dictionaries | 753 | Epic Mythic Idealistic |
| 704 | Essays | 754 | Genre Still life |
| 705 | Periodicals | 755 | Religious Ecclesiastic |
| 706 | Societies | 756 | Historical Battles, etc. |
| 707 | Education Study | 757 | Portrait |
| 708 | Art galleries | 758 | Landscape Marine |
| 709 | History of art | 759 | Various schools |
| 710 | Landscape gardening | 760 | Engraving |
| 711 | Public parks | 761 | Wood |
| 712 | Private grounds Lawns | 762 | Copper Steel |
| 713 | Walks Drives | 763 | Lithography |
| 714 | Water: fountains, lakes | 764 | Chromolithography |
| 715 | Trees Hedges Shrubs | 765 | Line Stipple |
| 716 | Plants Flowers Conservatories | 766 | Mezzotint Aquatint |
| 717 | Arbors Seats Outlooks | 767 | Etching Dry point |
| 718 | Monuments Mausoleums | 768 | Banknote Machine |
| 719 | Cemeteries | 769 | Collections of engravings |
| 720 | Architecture | 770 | Photography |
| 721 | Architectural construction | 771 | Photographic chemistry |
| 722 | Ancient and oriental | 772 | Processes: silver, etc. |
| 723 | Medieval Gothic | 773 | Gelatin and pigment |
| 724 | Modern | 774 | " & printer's ink Albertype |
| 725 | Public bildings | 775 | Photolithography, etc. |
| 726 | Ecclesiastic and religious | 776 | Photozincography, etc. |
| 727 | Educational and scientific | 777 | Photoengraving Photoelectros |
| 728 | Residences | 778 | Special applications |
| 729 | Design and decoration | 779 | Collections of photografs |
| 730 | Sculpture | 780 | Music |
| 731 | Materials and methods | 781 | Theory |
| 732 | Ancient | 782 | Dramatic |
| 733 | Greek and Roman | 783 | Sacred |
| 734 | Medieval | 784 | Vocal |
| 735 | Modern | 785 | Orchestral |
| 736 | Carving Seals Dies Gems | 786 | Piano and organ |
| 737 | Numismatics Coins Medals | 787 | Stringd instruments |
| 738 | Pottery Porcelain | 788 | Wind " |
| 739 | Bronzes Bricabrac | 789 | Percussion and mechanical |
| 740 | Drawing Decoration | 790 | Amusements |
| 741 | Freehand Crayon | 791 | Public entertainment |
| 742 | Perspectiv | 792 | Theater Opera |
| 743 | Art anatomy Life school | 793 | Indoor amusements |
| 744 | Mathematic drawing | 794 | Games of skill Chess |
| 745 | Ornamental design: carpet, etc. | 795 | Games of chance Cards |
| 746 | Art needlework | 796 | Outdoor sports |
| 747 | Interior decoration | 797 | Boating and ball |
| 748 | Staind and iridescent glass | 798 | Horsemanship Racing |
| 749 | Artistic furniture | 799 | Fishing Hunting Shooting |

Literature

800 Literature	850 Italian literature
801 Filosofy	851 Poetry
802 Compendis	852 Drama
803 Dictionaries	853 Fiction
804 Essays	854 Essays
805 Periodicals	855 Oratory
806 Societies	856 Letters
807 Study and teaching	857 Satire Humor
808 Rhetoric Treatises	858 Miscellany
809 History	859 Rumanian and Romansh
810 American literature	860 Spanish literature
811 Poetry	861 Poetry
812 Drama	862 Drama
813 Fiction	863 Fiction
814 Essays	864 Essays
815 Oratory	865 Oratory
816 Letters	866 Letters
817 Satire Humor	867 Satire Humor
818 Miscellany	868 Miscellany
819	869 Portuguese literature
820 English literature	870 Latin literature
821 Poetry	871 Poetry
822 Drama	872 Dramatic
823 Fiction	873 Epic
824 Essays	874 Lyric
825 Oratory	875 Oratory
826 Letters	876 Letters
827 Satire Humor	877 Satire Humor
828 Miscellany	878 Miscellany
829 Anglo-Saxon literature	879 Minor Italic literatures
830 German literature	880 Greek literature
831 Poetry	881 Poetry
832 Drama	882 Dramatic
833 Fiction	883 Epic
834 Essays	884 Lyric
835 Oratory	885 Oratory
836 Letters	886 Letters
837 Satire Humor	887 Satire Humor
838 Miscellany	888 Miscellany
839 Minor Teutonic literatures	889 Minor Hellenic literatures
840 French literature	890 Minor literatures
841 Poetry	891 Minor Indo-European
842 Drama	892 Semitic
843 Fiction	893 Hamitic
844 Essays	894 Scythian Turanian
845 Oratory	895 Eastern Asiatic
846 Letters	896 African
847 Satire Humor	897 North American
848 Miscellany	898 South American
849 Provençal and Catalan literature	899 Malay-Polynesian and other

History

- | | | | |
|------------|-----------------------------------|------------|---------------------------------------|
| 900 | History | 950 | Asia |
| 901 | Filosofy | 951 | China |
| 902 | Compendis Cronologies | 952 | Japan |
| 903 | Dictionaries | 953 | Arabia |
| 904 | Essays | 954 | India |
| 905 | Periodicals | 955 | Persia |
| 906 | Societies | 956 | Turkey in Asia |
| 907 | Study and teaching | 957 | Siberia [chistan |
| 908 | Poligrafy | 958 | Afghanistan Turkistan Balu- |
| 909 | Universal histories | 959 | Farther India |
| 910 | Geografy and travels | 960 | Africa |
| 911 | Historical | 961 | North Africa |
| 912 | Maps | 962 | Egypt Nubia |
| 913 | Antiquities | 963 | Abyssinia |
| 914 | Europe | 964 | Morocco |
| 915 | Asia | 965 | Algeria |
| 916 | Africa | 966 | North Central Africa |
| 917 | North America | 967 | South Central Africa |
| 918 | South America | 968 | South Africa |
| 919 | Oceania Polar regions | 969 | Madagascar Mauritius |
| 920 | Biografy | 970 | North America |
| 921 | Of filosofy | 971 | British America |
| 922 | " theology | 972 | Mexico Central America |
| 923 | " sociology | 973 | United States |
| 924 | " filology | 974 | North Atlantic states |
| 925 | " science | 975 | South Atlantic states |
| 926 | " useful arts | 976 | South Central or Gulf states |
| 927 | " fine arts | 977 | Northeast Central or Lake " |
| 928 | " literature | 978 | Western or Mountain " |
| 929 | Genealogy Heraldry | 979 | Pacific states |
| 930 | Ancient history | 980 | South America |
| 931 | China | 981 | Brazil |
| 932 | Egypt | 982 | Argentina Patagonia |
| 933 | Judea | 983 | Chile |
| 934 | India | 984 | Bolivia |
| 935 | Medo-Persia | 985 | Peru |
| 936 | Kelts | 986 | Colombia Panama Ecuador |
| 937 | Rome Italy | 987 | Venezuela |
| 938 | Greece | 988 | Guiana |
| 939 | Minor countries | 989 | Paraguay Uruguay |
| 940 | Europe | 990 | Oceania Polar regions |
| 941 | Scotland Ireland | 991 | Malaysia |
| 942 | England Wales | 992 | Sunda |
| 943 | Germany Austria Czecho- | 993 | Australasia |
| | slovakia Poland Hungary | 994 | Australia |
| 944 | France | 995 | New Guinea |
| 945 | Italy | 996 | Polynesia |
| 946 | Spain Portugal | 997 | Isolated ilands |
| 947 | Russia | 998 | Arctic regions |
| 948 | Norway Sweden Denmark | 999 | Antarctic regions |
| 949 | Minor countries | | |

Complete tables

including all the

SUBSECTIONS

General works

010 Bibliography

.1 Theory, utility, etc. .2 Compendis .3 Dictionaries .4 Essays .5 Periodicals
.6 Societies .7 Education, training, see also 020.7; .8 Polygraphy .9 History

011 General bibliographies Universal catalogs

011 is by Authors. If by Subjects they go in 016

Properly a catalog is of a special collection and so tells where the works may be found. A bibliography disregards actual location and tells what there is, but its contents can seldom be found in any one library

012-016 include both bibliographies and catalogs. 017-019 is limited to catalogs of general collections

012 Of individuals

Alfabeted by subjects of bibliographies (bibliographees), not by compilers; e. g. Chaucer, Dante, Ruskin, etc.

A bibliography of an individual may include either works about or by the individual, or both

Authors on whom special collections are being made (e. g. in 800) attract their bibliographies to same number, leaving only a reference here. Other individual bibliographies class here, unless clearly limited to some subject; e. g. artists or musicians, bibliography of Wagner 016.782

013 Of special classes of authors

Subdivided like the general classification, as indicated below. Lists of writings of such classes, if limited to a special subject, class with that subject; e. g. list of historical works by Jesuits 016.9. But in exceptional cases the bibliography of a special class of authors may be put with that class; e. g. bibliography of women's writings 396.58, tho 013.396 would be the better number in a general library

- .0206 Writings of members of A L A
- .064 " " " " French academy
- .282 " " Roman catholics
- .378744 " " Harvard graduates

.9 Writings of foren residents in a special country

Often extended to one or more generations of descendants. This provides for bibliographies in which nationality, not subject, is the important idea

.91 Authors from special country

Divided like 930-999 by country of origin and farther subdivided with 0 like 930-999 by country of adoption; e. g. 013.91485 bibliography of writings of Swedes outside Sweden, 013.91485044 writings of Swedes in France, 013.9148507 of Swedes in America. This groups under *mother country*; e. g. gathers together all lists of works by emigrant Swedes

.930-999 Foren authors in special country

Usually preferable to .91. Divided like 930-999 by country of adoption and farther subdivided with 0 like 930-999 for country of origin; e. g. 013.944 foren authors in France; 013.973 foren authors in U S, 013.9730485 Swedish authors in U S; 013.9485073 American authors in Sweden. Ordinarily 013.94807 would be explicit enough; the longer number is not advised. This groups under *adopted country*; e. g. gathers under a given country all its foren authors

014 Of special forms: anonyms, pseudonyms, etc.

.1 American .2 English .3 German, etc.

BIBLIOGRAPHY

015 Of special countries

Books published in the country. Publishers lists, current publications. Subdivided by countries like 940-999; e. g. 015.42, Bibliography of books published in England, as Lowndes or English catalog

The history of literature, i. e. belles lettres, poetry, drama, fiction, etc. goes, of course, with those topics in 800; but the literary history of any given place or period covering the writings on all subjects as well as in literature, is bibliography, and goes usually in 015, tho the literary history of some special class is 013

016 Of special subjects

Subdivided like the main classification, from 000-999; e. g. 016.01 Bibliography of bibliographies; 016.091, of manuscripts; 016.5, of science; 016.942, of English history, etc.

See also next note

Library and sale catalogs

Catalogs of any special subject, whether subject, author, or dictionary, go under its subject number, in 016, which is the ruling heading wherever it conflicts with another. 017-019 therefore includes only catalogs of general collections, limited to no one class or subject

Under 017-019, 4 means catalogs of books for sale, not published, by booksellers. For publishers catalogs see 015

017 Clast catalogs: systematic or logical

.1 Public .2 Private .3 Auction .4 Booksellers

Class here author and subject lists bound together, as they are much oftener used to see what has been written on some subject than whether a library has a certain book

For all forms of alphabetic subject catalogs, see 019. See 016 for Bibliographies

018 Author catalogs See 011 for Bibliographies

.1 Public .2 Private .3 Auction .4 Booksellers

A volume containing both author and subject catalogs is more useful in 017. For auction catalogs of private libraries use 018.2, not 018.3. 018 includes accession, chronologic, and any other forms (except subject and dictionary) of catalogs of collections

019 Dictionary catalogs Alfabeticoclast, etc.

.1 Public .2 Private .3 Auction .4 Booksellers

020 Library economy

SUMMARY

020-025 Science and administration of libraries in general

- 021 Scope, founding, supporting
- 022 Buildings and grounds
- 023 Government and service
- 024 Regulations
- 025 Administration

026-027 Special libraries and collections; history, description and management

- 026 Libraries on special subjects
- 027 General libraries

028-029 Allied subjects

- 028 Reading and aids
- 029 Literary methods

REFERENCES TO OTHER MATERIAL

- 010 Bibliography
- 090 Book rarities

020.1 Theory

- .14 Library terms, definitions, etc. Discussion. For dictionaries, glossaries, etc. see 020.3
- .2 Compendia .3 Dictionaries .4 Essays .5 Periodicals

DECIMAL CLASSIFICATION

- 020.6 Societies, associations, clubs, conferences**
- .61 Official institutions; government departments
For library commissions see 021.82
- .62 Societies not under government control
- .621 International associations
- .622 National "
- .623 State "
- .624 Local clubs
- .625 Associations of special groups
State librarians, or class in 027.506
Medical " " " " 026.6106
Sunday school " " " 027.8
Library dep't of N E A or class with subject in 021.3
- .626 Mutual benefit associations
Or class in 023.59, if preferd
- .627 A L A publishing board
For library leags see 021.3
- .63 Congresses, conferences, meetings, temporary organizations
- .65 Commercial establishments Library Bureau
For commercial circulars see 020.85
- .7 Education Training Library schools**
- .71 Instruction, schools
Standards location, cost, etc
- .711 Library schools
Use letter for each school, and if desired divide like 378 A-2
- .712 Summer schools
- .713 Apprentis classes Training classes
- .714 Correspondence schools
- .715 Library institutes
Similar to teachers institutes; local meetings with a conductor, for dis-
cussion of practical problems
- .716 Courses in colleges and universities
- .717 Courses in normal and high schools
- .718
- .719 Private schools and instruction
- .72 Research work
- .73
- .74 Museums, exhibits
Collections of illustrativ appliances, blanks, etc
- .75
- .76
- .77 Special pedagogic methods
- .78
- .79 Competitions, prizes, traveling scholarships
- .8 Polygrafy**
- .81 Individual polygrafy
- .82 Collectiv "
- .822 Extracts, maxims, anthologies
- .83 Recipes
- .84
- .85 Commercial circulars
See also 020.65 Commercial establishments
- .86
- .87
- .88 Curiosa, anecdotes, library humor, dummy book titles
- .9 History of library economy**
For history of libraries both public and private see 027
Lives of librarians are clast in 920.2. To keep them with the subject use
020.92, and for fotograf of librarians 020.921. Collected lives may be sepa-
rated from individual by use of the Olin booknumbers (following Index)

LIBRARY ECONOMY

021 Scope, usefulness and founding of libraries

Also scope and founding of combined libraries and museums. Support, development

- .01 Arguments for libraries: purpose, benefits
Impressiveness of libraries. Discussion of free public libraries is better class here than in 027.4
- .02 Arguments against libraries: evils of libraries
For paternalism in library see 021.201
- .03 Progress and future of libraries
Reforms, improvements, projects, plans, profesies, library ideals
- .04 Ideals for special communities
e.g. what a library can do for a manufacturing community
- .1 Library as a storehouse
- .16 Character of material appropriate to library
- .2 Library as an educator; people's university
Material on private reading is better in 028 than in 021.2
While the work of a library is nearly all educational in a broad sense, the relations of the library to special classes of the community, outside of direct educational work thru schools and home education work, ar best class with libraries for special classes in 027.6, or when a special subject predominates, in 026
- .201 Paternalism in library
See also 024.58 Library censorship of news, 024.674 Restriction of immoral books, 025.217 Exclusion of immoral or il made books
- .25 Library as a publisher
- .26 " bookseller
- .28 Work for special classes of users
Physicians, lawyers, clergymen, women, foreners, etc. See also 021.3
- .3 Library in relation to schools and the young
This is mainly for relations of general public libraries to school work. Class a library ownd by and kept at the school in 027.8. School libraries, 371.6, is only to keep all school material together under 370. Class general work for children with children's libraries in 027.6
- .31 Relations to teachers
- .32 " pupils
Librarian's talks to pupils, either at schoolhouses or at library, on use of library
- .33 Special libraries for schools
Specially selected from general library and lent to school either for class or general school use. Duplicates for schools
- .34
- .37 Work of individual libraries with schools
Alfabeted by library; e.g. accounts of work with schools by Hartford public library under Hartford, by Osterhout library at Wilkesbarre under Osterhout

DECIMAL CLASSIFICATION

- 021.4 Home education**
This includes all services or added fields of work undertaken by the library outside the use of books. For programs, reports, etc. of home education agencies, see 374.1-9
- .41 Study clubs Reading circles, etc.
 - .42 Conferences, conventions, institutes, etc.
 - .43 Lectures
For extension courses, see 021.44
 - .44 Extension courses Lecture study
 - .45 Entertainments: dramatic, musical, etc.
 - .46 Museums and temporary exhibits
 - .47 Science museums or collections
 - .48 Art galleries " "
 - .5 **Library as a recreation**
Serving refreshments; e. g. tea
 - .6 **Library extension and cooperation**
For work done by the state see 021.8
 - .61 Deliveries
See also 025.6 and 022.16
 - .62 Branches
See also 022.15
 - .63 Centralization Grouping of libraries
 - .64 Cooperation between libraries
Cooperation in any special department is class with the department; e.g. interlibrary lending 025.6
 - .65 Traveling libraries
A collection (usually 25 to 100 volumes) either general or on one subject, lent to a community, library, study club or other organization. Book wagon
 - .66 House libraries
A small traveling library for use of a person or household. Originated at New York state library for isolated students
 - .67 Home libraries
Small libraries for children, each library kept at home of some child for use of a group, under supervision of a visitor. The libraries travel from group to group. Originated by Boston Children's aid society
 - .7 **Founding Developing and maintaining interest**
This is mainly for starting a library, interesting people and bringing them to the library. For most special methods of interesting those who are already readers see 025.5 and 025.6
 - .71 Personal canvass, visits and correspondence
 - .72 Circulars
 - .73 Advertising
In newspapers, posters, street cars, etc.
 - .74 Press Publicity
Discussion of use of newspaper columns (editorials, articles, letters, new book lists, etc.) to secure interest
 - .75 Schools and teachers
 - .76 Churches and ministers Pulpit
 - .77 Literary and other organizations and institutions
 - .78 Lectures Public meetings and addresses
 - .79 Library propaganda
Societies, local or general, for encouragement and stimulation

LIBRARY ECONOMY

- 021.8 Libraries and the state Library legislation**
- .81 State supervision
 - .82 Library departments or commissions
 - Special work done by commissions is class by its subject. Reports of commissions, if largely a summary of the public libraries of the state, go in 027.4
 - If important to keep all work of commissions together, class their reports here
 - .83 Government aid
 - .831 State grants of money
 - .832 Local subsidies
 - .84 Gifts of books
 - .841 Public documents, etc.
 - .842 Copyright books
 - .85 Exchanges
 - See 025.266 for systems of exchanges, management, routine in individual libraries. This number is for general exchanges by state or central authority
 - .851 Local
 - .852 Foren
 - Vattemare international exchanges, Smithsonian exchanges
 - .86 Privileges
 - .861 Remitted duties Free importation
 - .862 Free postage Franking privilege
 - .863 Lower rates or special facilities Cheap library post
 - .87
 - .88 State or local hindrances Politics
 - .89 Library legislation
 - General; laws for a special subject or class with the subject; e.g. law for a library commission 021.82; law against injuring library books 024.8
 - .891 National legislation
 - .892 State "
 - .893 Local legislation (county, city or village)
 - .894-.899 Legislation in special countries or places
 - Divided like 940-999
 - .9 Support, raising funds, etc.
 - For state aid separate from local help see 021.8
 - .91 Taxes Appropriations Subsidies
 - .92 Endowment
 - .93 Gifts of money or books
 - See also 021.84 Government gifts
 - .94 Bequests
 - .95 Subscriptions
 - .96 Lectures Fairs Entertainments, etc.
 - For raising money. For educational purposes see 021.43-45
 - .97 Membership fees

DECIMAL CLASSIFICATION

022 Library bildings

See also 727.8 Architecture For care of bilding see 025.9

- .1 **Location, site, etc.**
- .11 Location with reference to field of work
 - Accessibility to population servd, to other libraries, educational institutions, etc.
- .12 **Site**
 - With reference to space, air, light, soil, slope of ground, etc.
- .13 Provision for growth **New bildings**
- .14
- .15 **Branches**
- .16 **Delivery stations**
- .17 **Newsrooms, reading rooms, etc.**
- .2 **Material, protection**
- .21 **Material: wood, brick, stone, steel, glass, etc.**
 - Relativ fitness for library bildings. See also 620.11 Strength of materials; 691 Bilding materials
- .22
- .23
- .24 **Fireproof construction**
- .25 **Protection against fires**
 - Location and relativ efficiency of apparatus: hose, extinguishers, chemic engins, standpipes, etc. For watchman see 025.9. See also 614.84 Fire protection
- .26 **Library fires, burning of libraries**
- .27 **Insurance**
- .28
- .29 **Other dangers**
 - Flood, earthquake, cyclone, war, etc.
- .3 **Design Plans Construction**
 - Alfabet plans, elevations, exteriors, general descriptions, etc. by name of library. Use .31-.33 only for indexing
- .31 **By kind of library**
 - Divided like 027. Group plans for public libraries, 022.314, in 3 subsections
 - 022.3141 Libraries under 20,000, small; i.e. under this number list plans of such libraries, but shelv them in their alfabetic place under 022.3
 - .3142 Libraries from 20,000-100,000, medium
 - .3143 Libraries over 100,000, large
- .32 **By subject**
 - Divided like 026; e.g. under 022.3234 list plans of law libraries so that they may be redily referd to in 022.3, or in journals or reports clast elsewhere
- .33 **By country**
 - Divide like 930-999 and use like 022.31-.33 only for reference
- .34 **Design and decoration**
 - Divided like 729 as follows:
- .341 **Elevation, style**
 - Only for general discussion; class elevation of a special library under 022.3
- .342 **Plan**
 - Number, distribution and dimensions of rooms; special forms, spiral, circular, etc. See note under 022.341

LIBRARY ECONOMY

- 022.343 Artistic forms
- .344 Painted decoration, etc.
- .348 Stained glass
- .349 Accessories and fixt furniture
 - Include paintings, statues, busts, etc. as decoration for bilding Special library furniture, bookcases, loan desks, etc. ar 022.9
- .35 Construction
 - Divided like 721. Class here only discussions limited to library bildings
- .36
- .37 Library rooms as part of other bilding
- .38
- .39 Remodeling old bilding
 - Either other bildings (churches, residences, etc.) for library purposes, or remodeling a library to meet modern conditions
- .4 Storage and shelving
 - For furnishing of private libraries see 645.63
- .41 Storage
 - Capacity per square meter of floor, or running meter of cases; allowance for growth
- .42 Shelving round sides of room
- .421 Wall cases
- .422 Alcoves
- .423 Galleries
- .43 Stacks
- .431 Stack rooms
 - Dimensons, maximum width with natural light only. Number of rooms, one or several. Number of floors
- .432 Arrangement of cases
 - Parallel, radial; light; open access, supervision
- .433 Movable cases
- .434 Ailes
 - Position, width
- .435 Flooring of stack rooms
 - Solid, glass, open grating
- .438 Maximum floor load
- .44 Cases, tiers
- .441 Material: wood, metal, glass
- .442 Dimensions of case and tier, hight, length
 - See also 022.452 Dimensions of shelf
- .443 Plan of cases
 - Open or closed ends and backs; 1 or 2 ledges
- .444 Fixt or movable shelvs
- .445 Quarto and folio shelving
- .45 Shelves
- .451 Material
 - Wood, metal, glass, stone, sheet iron, skeleton steel
- .452 Dimensions: length, depth, thickness; standard shelf
- .453 Surface finish or covering
 - Paint, varnish, cloth or lether covering
- .454 Shelf supports: pins, brackets

DECIMAL CLASSIFICATION

- 022.46 Cases and shelvs for large books, lying flat
Dimensions, sliding or roller shelvs, etc.
- .47 Closed cases Doors: glass, screen or wood
- .48 Special cases
- .481 Hanging presses
- .482 New-book cases
- .483
- .484
- .485 Cases for maps, engravings, etc.
- .486 Cases for fotografs
- .487 Cases for lantern slides
- .5 **Reading rooms**
See also 022.63 Rooms for special material
- .51 General reading room Central hall
- .52 Small reading rooms Study rooms
Gallery study tables. For seminar and class rooms see 022.65
- .53 Reference room
- .54 Standard library
- .56
- .57 Women's room
- .58 Children's room
- .6 **Administration and special rooms**
- .61 Rooms for trustees or outside organizations
- .611 For trustees
- .612 " committees, commission, school board
- .613
- .614 For local societies
- .62 Administration rooms
Divided like 025
- .63 Rooms for special material
Divided like 025.17; e.g. 022.6332 Newsrooms
- .64 Special collections: patents, local history, etc.
- .65 Instruction rooms, etc.
- .651 Lecture room or hall, theater, concert
- .653 Seminar room, class room
- .655 Museum
- .656 Art gallery
- .657 Exhibition room
- .658 Fotografic and dark room
- .659 Piano and music room

LIBRARY ECONOMY

- 022.66 Recreation rooms
 - .661 Conversation room
 - .662 Chess room
 - .663 Other games
 - .664 Billiards
 - .665 Bowling
 - .666 Gymnasium
 - .67
 - .68 Other rooms Lavatories, etc.
 - For helth, comfort or convenience
 - .681 Entrance halls and corridors
 - .682 Waiting room
 - .683 Telephone booth or room
 - .684 Lunch room
 - .685 Coat room
 - .686 Toilet room, lavatories, etc.
 - .687 Garage, bicycle room, etc.
 - .69 Residence quarters
 - .691 Librarian
 - .695 Janitor
 - .7 **Lighting**
 - .71 Natural lighting; windows
 - For architectural side see 022.358; for stained glass see 022.348
 - Position of windows; size and number; shape. Provision for opening:
sliding, hinged or pivot sash, French casement
 - .72 Skylights
 - .73 Prisms
 - .74
 - .75 Artificial lights: materials
 - .751 Lamps, oil, etc.
 - .752 Gas
 - .753 Acetylene
 - .754 Electricity
 - .76 Fixtures
 - .762 Portable or semiportable lights
 - .763 Table lights
 - .764 Standards
 - .765 Bracket lamps
 - .766 Chandeliers
 - .77 Lighting of stacks by electricity
 - Fixt or movable lights
 - .8 **Heating and ventilation**
 - General hygiene of library. Divided like 697

DECIMAL CLASSIFICATION

- 022.9** **Fixtures, furniture, fittings**
- .91 General furniture
 - .911 Chairs
 - .912 Tables
 - .913 Desks
 - .914 Revolving cases
 - .915 Bases
 - .916 Vertical files
 - See also 651.236 Office equipment
 - .918 Counters
 - .92 Public conveniences
 - .921 Hatracks
 - .922 Umbrella stands
 - .923 Clocks
 - .924 Bulletin boards
 - .93 Furniture for exhibiting or using books, pictures, etc.
 - .931 Exhibition cases, fixt or movable
 - .932 Wing frames
 - .933 Easels
 - .934 Reference book holders
 - .935 Magazine and newspaper racks, files, etc.
 - .94 Appliances for getting or carrying books or messages
 - .941 Ladders, stepladders
 - .942 Book trucks
 - .943 Carrying trays
 - .944 Mechanical carriers
 - See also 621.867 Conveyers, Telferage
 - .945 Book lifts
 - .946 Pneumatic tubes
 - .947 Speaking tubes
 - .948 Interdepartment telephones
 - See also 621.3853 Intercommunicating telephones
 - .95 Elevators
 - For carrying persons, goods, etc. See also 621.877. Class here only discussion of them for library use. For book lifts see 022.945
 - .96 Floor coverings
 - For permanent flooring see 022.356
 - .961 Linoleum, corticine
 - .962 Matting
 - .963 Carpets
 - .964 Rugs
 - .965 Door mats: rubber, wire, etc.
 - .97
 - .98
 - .99 Desk fittings, etc.
 - Divided like 651.465

023 Government and servis Personnel

- For government of special kinds of libraries see 026 and 027
- .1 **Constitution and bylaws for governing board**
Charters. Local ordinances, etc.
 - .2 **Appointment and tenure of offisers under governing board**
State or local civil servis. Special library examinations. Promotions. Probationary appointments. Temporary or limited period appointments. Appointments by executiv offiser
 - .3 **Governing board**
Trustees, committees, directors, regents, etc.
 - .31 **Method of selection**
Election, appointment, exofficio trustees, close corporation, i.e. selfperpetuating body
 - .32 **Number**
 - .33 **Qualifications**
 - .34 **Women as trustees**
 - .35 **Powers and duties**
 - .36 **Financial administration**
 - .37
 - .38 **Time and place of meetings**
 - .4 **Executiv Consulting librarian Library expert**
For appointment see 023.2. See also 023.5-9, which apply to executiv as well as to staf
 - .43 **Responsibilities and privileges**
 - .5 **Staf**
Including all subordinate positions. For method of appointment see 023.2
 - .51 **Qualifications**
 - .52 **Personality Character Moral and social equipment**
 - .53 **Mental equipment Natural ability**
 - .531 **General education**
 - .532 **Professional education Training**
See also 020.7 Library schools
 - .535 **Reading of librarians**
 - .54 **Physical equipment Helth Exercise**
 - .55 **Staf meetings Relations to hed**
 - .56 **Women as librarians**
Including difference in salaries of men and women
 - .57 **Worries and trials**
 - .58 **Longevity**
 - .59 **Library benefit associations**
See also 020.626

DECIMAL CLASSIFICATION

- 023.6** **Daily hours** **Holidays and vacations**
- .61 Daily hours
- .611 Records Record clock
- .612 Punctuality Tardiness
- .62 Hours for meals Lunch room
- See also 022.6 Special rooms
- .63 Special work
- .631 Evening
- .632 Sunday
- .633 Holiday
- .64 Work by hour Overtime, extra hours
- .641 Making up lost time
- .642 Payment for overtime
- .643 Effect of overstrain on employees
- .644 " " on servis
- .65 Holidays
- .651 Weekly half holiday
- .652 Legal holidays
- .66 Vacations
- .661 Time of year
- .662 Length
- .663 Continuous or in instalments
- .664 Sabbatic year
- .67 Absences for sickness or other causes
- See also 023.641 Making up lost time
- .68 Attendance at meetings
- .681 International
- .682 National
- .683 State
- .684 Local
- .7 **Titles and duties**
- .701 Specialization Monotony Change of work
- .702 Understudies
- .71 Executiv Director
- Chief or principal librarian, keeper, etc.
- .72 Department, division or section heds
- Librarians, sublibrarians, chiefs, heds
- .73 Reference staf or faculty
- Librarians of special subjects
- .74 Assistants Catalogers

LIBRARY ECONOMY

- 023.75 Pupil assistants, apprentices, volunteers
 - Paid mainly by instruction
- .76 Clerical servis
- .761 Stenografers
- .762 Typewriters
- .763 Clerks
- .77 Mechanic servis
- .771 Binders
- .772 Electricians
- .773 Carpenters
- .774 Other mechanics
- .78 Pages, messengers, ushers, runners
- .79 Janitor servis
- .791 Janitor
- .792 Watchman
- .793 Elevatormen
- .794 Attendants, in coat room, etc.
- .795 Porters and packers
- .796 Cleaners, etc.
- .8 **Remuneration: salaries, pensions**
 - Divided like 023.7. See 023.56 for difference between salaries of men and women
- .9 **Rules for staf Codes**
 - Made by trustees or librarian
 - For punctuality see 023.612. For absences or sick leave see 023.67
- .91 Conversation
- .92 Personal calls or work
- .93 Soliciting money, subscriptions, contributions
- .94 Respect and care for library property
- .95 Uniforms
- .96 Curtesy Indifference
 - See also 174 Business ethics; 177.1 Curtesy (social ethics)
- 024 **Rules for readers**
 - For reference and circulating departments
- .1 **Readers qualifications**
- .11 Age
- .12 Residence
- .13 Relations to community
 - Membership in society, club or institution; official position; profession, etc.
- .14 Responsibility
 - Reference, guarantor, money deposit
- .15 Registration
- .16 " for limited period

DECIMAL CLASSIFICATION

- 024.2 Fees Assessments Free use**
- .21 **Membership fees**
Mercantil libraries, atheneums
- .22 **Book fees**
Circulating library fees. For fines see 024.6
- .23 **Fees for readers card, etc.**
For petty expenses to guard against wastefulness
- .24
- .25 **Extra library fees; e. g. college library**
- .26 **Public library fee**
For subscription departments see 024.7
- .27
- .28 **Free use**
- .3 Hours of opening**
- .31 **Number of hours**
- .32 **Time of day: morning, afternoon**
- .33 **Evening opening**
- .34 **All night** “
- .35 **Intermission for meals**
Closing library during lunch, dinner or supper hours
- .36 **Hours for reference and circulating departments**
- .37 **Cooperation of local libraries**
Agreement on hours so that some library shall always be open
- .4 Days of opening or closing**
- .41 **Sunday**
- .42 **Special religious days**
- .43 **Holidays**
- .44 **Vacation, summer**
- .45 **Inventory Examination**
Closing for annual examination of library
- .46 **Special occasions**
Closing for recataloging or rearrangement; public calamity, deaths
- .47 **Closing for epidemics**
- .5 Reference use**
- .51 **Reading room rules**
- .52 **Decorum in library**
Unwelcome visitors; library cranks
- .53 **Ladies in reading room**
For women's separate reading room see 022.57
- .54 **Access to catalogs**
For access to librarian see 023.43
- .55 **Open reference shelves**
- .56 **Open shelves in general**
- .57 **Restricted or selected access to shelves**
Restriction as to persons or subjects
- .58 **Library censorship of news**
Obliteration or suppression. in reading room copies, of newspaper reports tending to lower morals; e.g. betting and racing news, reports of crime, criminal trials. See also 021.201 Paternalism

LIBRARY ECONOMY

- 024.6 Home use Loans**
- .61 Number of books
- .611 Two book system
- .612 Summer vacation cards
- .62 Time: 7-day books, new periodicals
- .63 Delinquencies Fines
 - For injuries, etc. see 024.8
- .64 Renewals
 - Extension of loans by library
- .65 Lending
 - Lending by borrowers
- .66 Reservations
- .67 Restricted books
- .671 Reference
- .672 Rare or costly
- .673 Medical
- .674 Of immoral tendency Library inferno
 - See also 021.201 Paternalism
- .68 Interlibrary loans
- .681 International loans
- .7 Special privileges
- .71 Extra books Teachers cards
- .72 Extra time
- .73 Remission of fines Excuses
- .74 Favor classes: trustees, faculty, staf
- .77 Lending restricted books
- .78 Subscription department
 - Novels and popular new books lent for fee. Extra copies for rent in public (tax supported) libraries
- .8 Injuries Abuses
- .81 Defacements
 - Marks; corrections, notes and comments
- .82 Mutilation
- .83 Removal of plates, maps, etc.
- .84 Mutilating newspapers
- .85 Losses by readers; payment
- .86 Thefts
- .87 Restitutions
- .88
- .89 Prevention of abuse
 - Methods of preventing injury and inducing better care of books. For library leag see 027.6
- .9 Other rules

DECIMAL CLASSIFICATION

025 Administration Departments

SUMMARY

Supervision	025.1	Executiv
Acquisition	.2	Accession
Utilization	.3	Catalog
	.4	Classification
	.5	Reference
	.6	Loan
Preservation	.7	Binding
	.8	Shelf
	.9	Care of bilding

025 is for the librarian's part. The trustees bild and furnish (022); make rules for government and servis (023), and regulations for readers (024); but the administration involvs questions of its own, which, however, ar closely allied to topics in 021-024 and elsewhere; e. g. the librarian must know his side of binding, and be able to giv proper directions and supervision, but need not know all the details of the binder's craft (686)

Administration includes .1 Supervision .2 Acquisition .3-6 Utilization .7-9 Preservation; i. e. the librarian's duty to books is to Get, Use, Keep

.1 Executiv General supervision

.11 Finances

See also 023.36 Financial administration of governing board

.111 Invested funds, endowments, gifts

See also 021.9 Support

.112 Appropriations: local or state

See also 021.8 Libraries and the state

.113 Other money receivd

Fees, assessments, fines, payments for special servises and investigations, etc.

.114 Accounts: receipts and expenses, bookkeeping

.115 Salary payments Staf payrolls

See also 023.8 Salaries

.116 Expenses: fittings, supplies and incidentals

Class with a department supplies peculiar to it, their kind, quality, cost, etc.; e.g. catalog cards with 025.3. For bookbuying see 025.2

.117

.118 Cost of preparing books for shelvs

.12 Printing and publications

Both preparation of material and details of printing, including size, style, type, etc.

.121 Blanks and forms, stationery

If relating to a special department class with it; e.g. bookplates in 025.2

.122 Publications

.123 Reports and statistics

See also 027

.124 Catalogs

See also 017-019. For cataloging see 025.3

.125 Bulletins

Frequency, advertisements, etc. See also 017-019. For preparation of book lists see 025.3; for newspaper publication of new book lists, see 021.74

.126 Library magazine or paper

.127

.128

.129 Duplicating by neostyle, carbon, etc.

For machines and processes see 652. Class here discussion of fitness for library applications only

LIBRARY ECONOMY

- 025.15 Correspondence
- .151 Stationery
 - Material, weight, size and headings
- .152 Stenografers, dictation machines
- .153 Typewriters
- .154 Copiers
 - Roller, press, carbons, portable. See also 025.129
- .156 Letter files
 - See 651 for methods
- .17 Treatment of special material
 - For general discussions of arrangement, care and use. Class special work under each department: e.g. cataloging of incunabula in 025.3
- .171 Manuscripts, archives and rarities
 - Divided like 090
- .172 Pamflets
- .173 Serials, documents, etc.
 - 1 Periodicals, magazines, etc.
 - 2 Newspapers
 - 3 Annual reports
 - 4 Documents; national, state and local
- .174 Broadsides
- .175 Clippings
- .176 Maps and charts
- .177 Art material
 - Engravings, fotografs, drawings, lantern slides
- .178 Music: scores, rolls, etc.
- .179 Museum material
- .18 Administration of individual libraries
 - Alfabet by name of library. For administration of special kinds of libraries see 026 and 027

DECIMAL CLASSIFICATION

025.2 Accession Acquisition

SUMMARY

- 025.21 The library and its selection
 - .22 Methods of acquisition
 - .23 Ordering and receiving
 - .24 Accessioning
 - .25 Marks of ownership
 - .26 Duplicate and exchange department
 - .29 Special material
- .21 The library and its selection
 - .211 What? Proper proportion of subjects
 - Division of funds; endowments for special subjects; accession statistics
 - .212 Specialization by libraries
 - Division of subjects among local libraries. See also 021.64 Cooperation. For collections on special subjects, economics, science, etc. see 026
 - .213
 - .214 Who? Selectors of books
 - Trustees or trustee committee; librarian; staf committee, book board; advisory committee from outside; experts; central body (bibliographic bureau, state commission, etc.)
 - .215 How? Methods of selection
 - Recommendations by readers; personal examination; visits to book stores; books sent on approval: printed reviews; first selection for new library. Want lists, books under consideration
 - For lists of best books, A L A catalog. annual lists, etc. see 016
 - For principles of selection and choice of editions see 028.2
 - For selection for special classes see 027.6, 027.8, 028.5
 - .216 Buying fiction
 - Duplicating popular fiction; extra copies of best fiction
 - .217 Rejection, exclusion, censorship
 - Pernicious literature; badly made books; yellow journals. See also 021.201 Paternalism
 - .218 Weeding out, sifting
 - Separating books no longer of servis to library. For withdrawal book see 025.249
 - .22 Methods of acquisition
 - .221 Buying new books
 - Local bookstore; book center, general agent; publishers; subscription agent; bids on special lists; foren books thru home or American agent, thru foren agent. See also special material 025.29
 - .222 Prices Discounts
 - Net books. For free importation, see 021.861
 - .223 Buying old books
 - Secondhand catalogs; remainders, trade sales; dealers in old books, bookstalls; value of old books
 - .224 Auctions
 - For auction catalogs see 017-019
 - .225 Buying libraries in block
 - .226 Exchange
 - .227 Gifts
 - Request blanks and records; gift lists; acknowledgments; privately printed books; propagandist books
 - For government documents and copyright books see 021.84
 - See 025.268 for gifts from library to library

LIBRARY ECONOMY

- 025.23 Ordering and receiving
 - For gifts, see 025.227; for exchanges, see 025.266
- .231 Ordering
 - Order slips or lists; order books or sheets; copies of orders; order index order numbers
- .232 Examination for duplicates and verification
 - Misspeld names; changed titles; separates
- .233 Reception and opening
 - Express, mail, etc; frequency of shipments; free delivery
- .234 Checking bills
 - Prices and amounts
- .235 Collation
- .236 Receipt index
- .24 Accession book
- .241 Importance of record
 - Accession book vs shelflist, etc.
- .242 Printed headings Items Fulness of entries
- .243 Accession number: volume, work or invoice
- .244 Accession stamp
- .249 Withdrawal book
- .25 Ownership marks
- .251 Private marks
- .252 Stamping
 - Ink, embossing, or perforating stamp. Table and foot power
- .253 Book plates Plating
 - See also 097
- .254 Library name on outside of book
 - Gilding or impressing name of library on back or covers
- .255 Card pockets
- .26 Duplicate and exchange departments
- .261 Duplicates
 - Definition, rules and decisions, marking, stamp, plate, etc.
- .262 Duplicates of institution's own publications
 - Either of library or larger organization including it; e.g. duplicate Columbia publications in Columbia university library; stock on hand
- .263 Cataloging
- .264 Arrangement
- .265 Sale for cash
- .266 Exchange
 - General exchange of publications; exchange accounts
- .267 Clearing house for duplicates
 - See also 021.852 Vattemare international exchanges, Smithsonian exchanges
- .268 Gifts to other libraries
- .269 Deposits
 - By large libraries in small or in hospitals, prisons, etc. also deposits in great collections by individuals or small libraries. See also 025.218
- .29 Special material
 - Divided like 025.17

DECIMAL CLASSIFICATION

- 025.3 Catalog**
For printed catalogs themselves, see 017-019. This is for *cataloguing*
Printed, manuscript, or card; Author, subject, title, class; Dictionary or
combined; Cooperativ rules; Size notation; Cooperativ cataloging;
Duplicated titles, print or photography; Mechanical accessories, cards,
cases and fittings, drawers, trays, blocks, checks, guides, labels
- .4 Classification**
For philosophic classification of knowledge, see 112 Methodology. This is
for practical classing of books, pamphlets, and notes, rather than theo-
retic speculation
On shelves; in catalogs; in dictionary catalogs; Systems of notation, fig-
ures, letters, symbols, combined; Importance and advantages; Diffi-
culties; Close vs broad classing; Mnemonic features; Basis of division;
Coordination of special subjects
- .5 Reference Reference books Aids to readers**
See 028 for general discussion of reading and aids. This is limited to
library administration
- .6 Loan**
See 024 for rules for readers
Indicators; Charging systems, legers vs cards; Book cards, marks, pockets;
Call slips, readers cards; Notices, reserves; Registers; Interlibrary loans;
Mechanical accessories, slip cases, trays, tills, stamps, etc.
- .7 Binding and repair**
See also 686 Bookbinding
Materials, durability, tight vs spring backs, sewing, color, lettering; Paper
covers and temporary binders; Restoring, mending, cleaning, and oiling
- .8 Shelf**
See also 022.9, Shelving
Arrangement; Shelf numbers; Shelf and book labels; Fixt and relativ
locations; Sizes of shelves; Arrangement and preservation of public
documents, pamphlets, papers, manuscripts, maps, drawings, and plans,
music, broadsides, clippings; Chained books; Injuries, heat, gas, insects;
Stock taking; Shelf lists
- .9 Bilding: care, cleaning, safety Janitor Police**
See 022 for bilding and fittings. This is janitor's department

026 Libraries on special subjects

Histories, reports, statistics, bulletins, handbooks, circulars, and every thing about the library not more required in preceding sections. Subdivided by adding the class number of subject; e. g. a Medical library is 026.61; a Chess library, 026.794; but the *catalog* of a chess library is 016.794. Blanks, etc. from any library go under subjects in 025, as more used in studying topics; but, if history of individual libraries is specialized, duplicates are also desirable under the library in 026-7, thus making a complete set of its publications

027 General libraries

This includes both circulating and reference; i. e. all not limited to special subjects

Subdivided if wisht by countries, like 930-999; e. g. 027.744 College libraries in France. Or if wisht, group all by geographic location, using 0 in 4th place to indicate no division by *kinds* of libraries; e. g. 027.044 Libraries of France; 027.07471 Libraries of N. Y. city

A private library is still class 027.1, after it has been sold or merged in a public library. But a society library changed to a free public should take 027.4 for all publications after the change

.1 Private and family

.2 Proprietary, society, club and Atheneum

.2 is limited to libraries that are semiprivate, requiring an election for admission, while .3 includes all open to any one on payment of a fee. It is the difference between a club and a hotel. .3 is for libraries run as a business. A mercantile library, even tho it has endowments, if open without individual election, goes in .3 as a subsidized public subscription library. Many private subscription libraries go in .2

.3 Subscription Circulating

Mudie's, Booklovers, etc.

.4 Free public Rate supported Endowd

Public library commissions. See also 331.85; and 027, last note

.42 Special kinds of public libraries

General discussion of county or rural libraries, etc.

.5 State and government

.6 For special classes

Institution, prison, reformatory, asylum, blind, monastic, workmen's, factory, railroad, sailors, lighthouse. A workmen's library of books on engineering is 026.62, not here, as the subject is more useful than the class of readers

.7 College, university

For libraries of professional and technical schools see 026

.8 School Sundayschool Parish

See also 371.64 Libraries as school equipment; 021.3 Library in relation to schools and the young

.9 Free newsrooms and reading rooms

See also 331.85

DECIMAL CLASSIFICATION

028 Reading and aids

See 374.1-2 Self education by private reading and reading circles

- .1 **Methods**
Tasting, skipping, reviewing, making synopses, abstracts, extracts, and index rerums (see 029), book marking
- .2 **Choice of editions**
Annotations, indexes, paper, type
- .3 **Courses of reading**
Both discussion and lists of books
For sets of books representing prescribed courses for general culture, e. g. *Harvard classics*, see 080
- .4 **Fiction Novel reading**
Discussion. Short selected lists may be put here, tho all fiction lists are better together in 016.823 (in German libraries 016.833, French libraries 016.843, etc.)
- .5 **Reading of young Juvenils**
Both discussion and lists of books
- .6 **Professorships of books and reading**
Lectures. Stimulus and guidance in schools
- .7 **Use of reference books**
- .8 **Aids to readers**
Guidance, printed or personal. See also 028.6 and 025.5
- .9 **Character of reading in libraries**

029 Literary methods and laborsavers

Much in 025 and 028 belongs equally under 029 in its full meaning, but practical convenience is best served by referring to 025 and 028 insted of repeating the heds

- .1 **Methods**
Exact reference; standard sizes; use of colors; thought study; intercalation or card system (see 025.3); cooperativ methods; records vs memory, etc. See 653 Abbreviations and shorthand; 154.1 Mnemonics; 025.4 Classification
.1 is for what one *learns* how to do by an improved *method*
.2 is for articles which one must make or buy in order to utilize. Where a pamphlet covers both appliance and method, class with predominant feature
- .2 **Appliances Laborsaving tools and devices**
See also 651. Most literary laborsaving devices go also under 651, Offis equipment and methods; and are best kept together there; e. g. all offis and study furniture, fittings and supplies, cases, bookholders, reading desks, pigeonholes, files, etc. For pamphlet, map, etc. cases, see 025.8; for binders, 025.7
- .3 **Clippings Scrapbooks or files**
See also Files, 651
- .4 **Notebooks, notetaking, abstracting, etc.**
- .5 **Indexing Index rerums Printed and patent indexes**
For alphabeting and transliteration see 025.3
- .6 **Authorship Writing for press Copy and proof**
See also 655.25 Proofreading; 655.52 Relations to publishers
- .7
- .8
- .9

GENERAL WORKS

030 General cyclopedias

Subdivided by using for 3d figure: 1 American; 2 English; 3 German; 4 French; 5 Italian; 6 Spanish; 7 Slavic; 8 Scandinavian; 9 Other; e.g. American cyclopedias, 031

040 General collected essays

Subdivided like 030

050 General periodicals Magazines

Subdivided like 030

060 General learned societies

Subdivided by using for 3d figure: 1 American; 2 English; 3 German; 4 French; 5 Italian; 6 Spanish; 7 Slavic; 8 Other; e. g. Académie des sciences morales et politiques, 064

Academies of Paris, Berlin, Vienna, etc. Societies on a specific subject go with that subject; e. g. 550.6 Geologic societies. See also 360 Institutions and associations, for philanthropic, political, social and similar organizations

069 Museums

The following classification is the work of a committee of the American Association of Museums, consisting of Laurence Vail Coleman, chairman, Edmund Otis Hovey, Henry W Kent and Harold L Madison

It is now published tentatively, subject to revision before republication, and the topics are therefore not yet included in the index. It has been developed primarily for museum use and many subjects are included for which provision is made elsewhere in the main classification. For these it is recommended that in general the other number be used, e. g. for science museums 507. By those specializing on museum material an M, a dash, or some other arbitrary sign may, if wished for brevity, be substituted for the basic number 069

.01 Theory

Objectives and ideals, benefits and evils, scope and future of museums. Includes general adaptations to a community. Also includes such matters as 'The museum as a storehouse', 'People's university', etc. unless material is sufficiently specific for Museum instruction 069.15, Collections 069.5, etc.

.011 General public museums

.012 National State

.013 City Local

.014 Association

.015 College University

.016 School Children's

.017 Private

.018 Other

.019 Museums on special subjects

Discussion of possible range of museum subjects

Subdivided like main classification; e. g. 069.0195 museums of natural science, 069.0197 museums of art

.02 Compendis

.03 Glossaries

For museum terms in general. For glossaries of special subjects see subjects

.04 Essays

On museums and museum economy in general. For essays on special subjects see subjects

.05 Periodicals Directories

For periodicals devoted to museum economy. Not to be confused with periodicals devoted to science, art, history etc. which, if published by a museum and classed in 069, belong in 069.7, but which would as a general practice better be classed with their subjects

DECIMAL CLASSIFICATION

069.06 Associations Congresses Conferences

Discussion. Reports, proceedings etc.

- | | |
|----------------------------|-------------------|
| .061 American | .065 Italian |
| 1 American Assn of Museums | .066 Spanish |
| .062 English | .067 Slavic |
| .063 German | .068 Scandinavian |
| .064 French | .069 Other |

Class the reports etc. of international bodies under the number corresponding to the location of the museum or library, if that language is regularly used in the publications; e. g. if proceedings are regularly published in English, French, German and Spanish, class in an American institution in 069.061, in a French institution in 069.064. If the vernacular is not regularly used in the proceedings, class with the best known language of the publication

.07 Education Teaching Training Study

- .071 Training in subject matter (sciences, arts, etc.)
 Courses, schools, scholarships. Divide by subject like 069.019
- .075 Training in museum economy
 Museum schools, pupil assistants, apprentices, volunteers

.08 Poligrafy

- .081 Individual
- .082 Collectiv
- 2 Extracts Maxims Anthologies
- .088 Curiosa Anecdotes Museum humor

.09 History of museums and the museum idea

Divide geographically like 940-999, and within groups arrange alphabetically by names of institutions. For history of special topics see topics. For association publications and discussion of association functions see 069.06

.I Founding Educational activity Cooperation

- .11 Founding Developing and maintaining interest
 May be subdivided like 021.7
- .12 Reserch
 For discussion of relations of museums to reserch
- .121 Cooperativ reserch
- .122 Joint expeditions
 For discussion. Class technique of expeditions in 069.49
- .13 Exhibit servis
 Lending collections to schools and other institutions; also giving collections to schools as a regular servis. For loan of material under special conditions see 069.516
- .14 Slide, film and lantern servis
 Including loan of written lectures to accompany slides
- .141 Sale Exchange
- .142 Loans to general public
- .143 Loans to schools
- .15 Museum instruction
 Including lectures, docent servis, children's hours, etc. Put here notes on facilities for accomodating visiting classes, unless more appropriate under 069.3
- .151 Information bureau
- .152 Lectures
 Including lectures delivered outside the museum
- I Lecture bureaus
 Including publications of such bureaus, unless (as preferably) class with subject
- .153 Docent servis

MUSEUMS

- o69.154 Work for children
 - Miscellaneous activities
 - Museum games**
- .155 Clubs
 - For nonprofessional organizations only
- .156 Excursions
- .157 Teacher training
- .16 Intermuseum relations
- .162 Joint membership and privileges
- .163 Staf exchanges
 - Directories of experts**
- .165 Cooperativ exhibits
 - For discussion of exhibits prepared for the use of several museums in turn or held under the joint auspices of several museums in the same locality. For regular circulating exhibits see o69.13
- .166 Other cooperativ relations
 - Buying, production
- .167 Branch museums
- .17 Relations with other bodies
- .171 Relations with the public
 - Museums and conservation**
 - Tenure of property**
 - Clas here discussions of ownership, lease of land, etc. contracts with civil government for joint maintenance, etc. For Finance see o69.64
 - Relations with visitors**
 - Including days and hours of opening, attendance, pay days, admission fees, etc.
 - Relations with members**
- .172 Relations with primary and secondary scools
 - Clas here general statements, even tho including some material belonging under other heds
- .173 Relations with other scools
 - Colleges Universities**
 - Art scools**
 - Industrial scools**
 - Medical scools**
- .174 Relations with zoos, aquariums, botanic gardens, etc.
- .175 Relations with business world
- .176 Relations with reserch institutions, foundations, etc.
- .177 Relations with Boy scouts, Girl scouts, etc.
- .178 Relations with
 - Government departments, bureaus etc.**
 - Institutions for defectivs Hospitals**
 - Religious institutions**
 - Churches, Y M C A, Y W C A, etc.
 - Libraries**
 - Societies, clubs etc.**
- .179 Other

DECIMAL CLASSIFICATION

069.2 Buildings

Here are class general works on museum buildings, and works including descriptions and pictures of a considerable number of buildings. Descriptions and pictures of an individual museum are best class with the history of that museum in 069.09

- .21 Location, site etc.
- .211 Location, environment
 - With reference to accessibility, fire risk, nuisances etc.
- .212 Site
 - Fiscal conditions, orientation: space, air, light, soil, slope of ground, etc.
- .213 Provision for expansion
- .214 Improvement of grounds and courts
- .22 Materials Construction
 - Including preservation and repair
- .221 Foundations
- .222 Walls Exterior
- .223 Roofs Roofing
- .224 Floors Flooring Floor coverings
- .225 Cielings Interior walls Wall coverings
- .226 Windows Doors Gates
- .227 Stairs Fire escapes
- .229 Other constructions
- .23 Design Decoration
- .231 Elevation
- .232 Plan
 - Including provision for growth. For allocation of museum functions in plan of building see 069.24
- .233 Artistic forms
- .234 Painted decoration
- .235 Decoration in relief
- .236 Incrustation and veneering
- .237 Mosaic
- .238 Stained glass design
- .239 Architectural accessories
 - Including decorative statuary, fountains, pools etc. For fireplaces see 069.2931
- .24 Allocation of museum functions in building
 - Including discussion of kind of rooms (educational, administrative, service etc.) to be reckoned with, and their relative location in a museum building
- .241 Special rooms
 - May be arranged alphabetically. Includes museum rooms in school buildings, libraries, etc.
 - .241-.279 reserved for design and construction of specific rooms, whether for exhibits, administration or other use
- .28 Reconstruction
- .281 Remodeling
- .282 Catastrophes Reconstruction
- .29 Service equipment
 - Includes machinery, fixtures and fittings
- .291 Plumbing
- .292 Lighting
 - For fixtures particularly suitable for special rooms see 069.36

MUSEUMS

- 069.293 Heating and ventilating
 - 1 Fireplaces
 - 2 Stoves
 - 3 Hot air Furnaces
 - 4 Hot water
 - 5 Steam
 - 6 Gas
 - 7 Electricity
 - 8 Fues Chimneys
 - 9 Ventilating and humidity regulating equipment
- .294 Power equipment
 - 6 Vacuum and comprest air apparatus
- .295 Elevators Dumb waiters
- .296 Means of communication
 - 1 Telefones Speaking tubes
 - 2 Bells Buzzers Alarms
 - 3 Pneumatic tubes
- .297 Fire-fighting equipment: hose, sprinklers, extinguishers etc.
- .298 Incinerators
- .299 Other servis equipment
- .3 Equipment Furnishings Supplies
 - For servis equipment see 069.29
 - .31 Exhibit cases
 - For other cases see purpose for which used
 - .311 Generalities
 - 1 Size Shape Dimensions
 - 2 Material Finish Construction Joinery
 - 3 Covering and color for background and floor
 - 4 Doors Locks Devices for opening and closing
 - 5 Shelvs Diaframs Steps Interior equipment
 - 6 Lighting
 - 7 Devices for moving
 - 8 Ventilation Dust and pest proofing Humidification Dessication
 - 9 Other
 - .312 Horizontal cases
 - 1 Wall
 - 2 Desk
 - 3 Table
 - 5 Floor
 - 6 Desk
 - 7 Table
 - .313 Vertical cases
 - 1 Wall
 - 5 Floor
 - 8 Alcove
 - .314 Combination cases
 - 1 Wall
 - 5 Floor
 - 8 Alcove
 - .315 Screens Swinging frames
 - .316 Exhibit counters
 - .317 Special cases Carrying cases
 - Clas here all carrying cases for scool collections, etc.

DECIMAL CLASSIFICATION

- 069.32 Exhibit apparatus
 - .321 Projection apparatus
 - .325 Sound apparatus
 - Fonographs and other sound producers
 - .33 Furnishings Fittings
 - Those for general use; if for a special purpose they ar clast with the purpose, with the special room in 069.241
 - .331 Furniture
 - 1 Chairs Seats Invalid chairs
 - Includes upholstery
 - 2 Tables Desks Counters
 - 3 Cabinets Shelves Racks Drawers Trays
 - 4 Bulletin boards Sign standards Wall pockets
 - 5 Shades Curtains Draperies
 - 6 Lamps Lighting accessories
 - For illumination see 069.292
 - 7 Ladders Hoists Cranes
 - 8 Trucks Conveyances
 - 9 Other
 - Clocks, water coolers, etc.
 - .332 Desk fittings
 - .333 Tools Implements
 - Clas here only tools and implements not provided for under their use, as tools for taxidermy under 069.4444
 - 1 Cleaning and janitor's implements
 - .334 Storage containers Museum glasware
 - .34 Supplies General materials
 - .341 Cleaning supplies
 - Includes their use
 - 1 For floors
 - 2 For paint, woodwork, plaster
 - 3 For metal
 - 4 For glas
 - 5 For stone
 - 8 Insecticides Germicides
 - 9 Other
 - .342 General plant supplies
 - 1 Dry goods Uniforms
 - 2 Toilet supplies Towel servis
 - .343 Fuel
 - .344 Stationery; letter heds
 - For special blank forms etc. see their use
 - .345 Printing and book binding supplies
 - Including use of these materials, e. g. use of small presses, methods of binding pamphlets, etc.

MUSEUMS

- 069.348 **Materials**
For materials of general usefulness only. Clas bilding materials under 069.2 2 and preparation materials under the appropriate division of 069.4
- 1 **Wood Wood substitutes**
 - 2 **Stone**
 - 3 **Metal Hardware**
 - 4 **Paper Fabric Fiber**
 - 5 **Glas**
 - 6 **Chemicals Fluids**
 - 8 **Glues Cements Lutings**
Includes formulas for preparing glues etc.
 - 9 **Other**
- .36 **Equipment of special rooms**
Includes principles of *artificial* lighting. 069.361 may, if wisht, be used for equipment of separate rooms, arranged alfabetically by rooms like 069.241
- .4 **Collecting Preparing Repairing**
Clas here methods, equipment and special materials. This section is for all methods involvd in preparing objects and specimens for exhibit, or for incorporation into a study collection. Since the preparation of certain kinds of material is begun in the field, it is impossible to divorce the collecting from the preparation of these. On the other hand, much material, specially in art, is collected by methods treated under 069.51 Acquisition, so that only its 'getting redy' (restoration and repair) is included here. The tecnique of excavating, however, applies in part to works of art
- .41 **Rocks Minerals**
- .411 **Field notes**
 - .412 **Field work**
 - .414 **Laboratory work Mounting**
- .42 **Fossils**
- .421 **Field notes Sketches Fotografic studies**
 - .422 **Field work**
 - .424 **Laboratory work Mounting**
- .43 **Plants**
For histologic methods see 581.8
- .431 **Field notes Sketches Fotografic studies**
 - .432 **Collecting Pressing Preserving**
 - .434 **Mounting**
For reproduction in wax etc. see 069.478
- .44 **Animals and animal tissues**
For histologic methods see 591.8
- .441 **Invertebrates**
- 1 **Field notes Sketches Fotografic studies**
For sistems of filing these see 069.5711
 - 2 **Capturing Killing Preserving**
 - 3 **Transporting Storing**
Includes preserving fluids, etc.
 - 4 **Mounting: dry or in fluids**
Includes both whole-mounts and dissections. For reproductions in wax etc. see 069.477
- .442 **Nests, workings etc**

DECIMAL CLASSIFICATION

- 069.444 Vertebrates
 - 1 **Field notes Sketches Fotografic studies**
For methods of filing these see 069.5711
 - 2 **Capturing Killing Preserving**
 - 3 **Transporting Storing**
 - 4 **Skinning Tanning Taxidermy**
For reproductions in wax etc. see 069.477
- .445 Nests, workings etc.
- .446 Anatomic material
 - 1 **Field notes, etc.**
Including the data of fysical anthropology
 - 2 **Fluid and jelly methods for soft tissues and embryos**
Includes fixation and color restoration
 - 3 **Dry methods for soft tissues**
 - 4 **Bone Skeletons Cartilage**
 - 5 **Gross clearing**
 - 6 **Gross staining and sectioning**
 - 7 **Injection**
 - 9 **Other methods**
- .45 Works of art
For general methods of excavating see 069.469
- .452 Architecture
- .453 Sculpture
 - 1 **Restoration**
 - 2 **Cleaning**
 - 8 **Keramics Glas**
- .454 Drawings
- .455 Paintings
 - 1 **Restoration**
 - 2 **Repainting**
 - 3 **Relining**
 - 4 **Rebacking**
 - 5 **Cradling**
 - 6 **Varnishing**
 - 7 **Gilding**
- .456 Engravings
 - 1 **Cleaning Washing**
 - 2 **Mounting**
 - 3 **Matting**
- .457 Textils Weaving
 - 1 **Repairing**
 - 2 **Cleaning**
 - 3 **Mounting**
- .458 Wood work
- 5 Metal work
- .459 Other

MUSEUMS

- o69.46 Modeling Molding Casting Coloring
- .461 Modeling Pattern making
- 1 In clay, plastilin etc.
 - 2 In wax, paraffin etc.
 - 3 In plaster
 - 4 In gelatin, glue etc.
 - 5 In celluloid
 - 6 In glas
 - 7 In wood
 - 8 In papier-mâché, paper etc.
 - 9 Other
Including stone (sculpture)
- .462 Molding
- 1 In clay, sand etc.
 - 2 In wax, paraffin etc.
 - 3 In plaster
 - 4 In gelatin, glue etc.
 - 5 In celluloid
 - 6
 - 7 In wood
 - 8 In papier-mâché, paper etc.
 - 9 Other
Including sulfur and metal
- .463 Casting
- 1
 - 2 In wax, paraffin etc.
 - 3 In plaster
 - 4 In gelatin, glue etc.
 - 5 In celluloid
 - 6
 - 7
 - 8 In papier-mâché, paper etc.
 - 9 Other
Including sulfur and metal
- .464 Electroplate reproduction
- .465 Coloring
- 1 On fabric
See also o69.457
 - 2 On wax, paraffin etc.
 - 3 On plaster
 - 4 On gelatin, glue etc.
 - 5 On celluloid
 - 6 On glas
 - 7 On wood
 - 8 On papier-mâché, paper etc.
 - 9 Other
- .469 Excavating
- General methods

DECIMAL CLASSIFICATION

- 069.47 Special models construction
 - .471 Relief maps Panoramic models
 - .472 Models of settlements, Indian villages, etc.
 - .473 Architectural models
 - .474 Large scale interiors, tombs, etc.
 - .475 Mechanical models
 - .477 Animals: entire or dissected
 - 1-4 Invertebrates
 - 5-7 Vertebrates
 - 8 Man
 - 9 Isolated organs or tissues
 - .478 Plants
 - 1 Plant accessories for groups etc.
 - 2 Fruits, vegetables etc.
 - .479 Miscellaneous
 - 1 Prepared foods
- .48 Background groups construction
 - .481 Artistic composition Layout
 - .482 Field work
 - .483 Background
 - 1 Transparent fotografic
 - 2 Opaque fotografic
 - 3 Painted
 - .484 Foreground
 - See also 069.4444 Taxidermy, 069.46 Wax modeling, etc.
 - .487 Case and lighting
 - See also 069.3316 Lighting and lighting accessories
 - .489 Small-scale background groups
 - .49 Expeditions
 - .491 Camping equipment
 - Including its transportation
 - .492 Personnel
 - .493 Relations with natives, guides, information about regions, etc.
 - Divide geografically like 940-999: 4 Europe, 5 Asia, 6 Africa, 7 North America, 8 South America, 9 Oceania, Polar regions
 - .497 Protection of museum materials
 - 1 Museum pests
 - 2 Poisoning Insecticides Pestifuges
 - 3 Fumigation
 - Including apparatus
 - 4 Rust prevention
 - .498 Packing
 - General methods. For methods of packing special materials see preparation of those materials
- .5 Collections Exhibits
 - .51 Acquisition Disposal
 - .511 Policy
 - Including scope, specialization, proportion, adaptation to special needs, responsibility of certain museums for certain materials, etc.
 - .512 Manner of selection and disposal
 - .514 Gifts Bequests Terms of gift Acknowledgment

MUSEUMS

- 069.515 **Purchases Sales**
Dealers, sales, prices etc. May be divided alfabetically by subject. For sale of lantern slides see 069.141; for clerical work involvd in buying and selling see 069.653; for income derived see 069.6435
- .516 **Loans Terms of loan**
Includes loans both to and from museums. For circulating exhibits see 069.13
- .518 **Exchanges**
Including; material desired or offered. For exchange of lantern slides see 069.141
- .52 **Records**
Including blank forms, etc. used in keeping records
- .521 **Accession record**
Including all records of gifts, purchases, loans, exchanges, discards etc.
- .522 **Catalog of specimens and objects**
- .523 **Register of outside material**
Public monuments, etc.
- .53 **Exhibits**
General discussion, and description of special details only. For description of special exhibits see 069.54
- .531 **Originals vs copies**
- .532 **Classification and sequence of exhibits Correlation of subjects**
May be divided alfabetically by subject
- .533 **Special exhibits**
For discussion only
- .534 **Gross arrangement**
Including arrangement of cases, aisles, etc.; distances of visibility, horizontal and vertical arrangement, etc.
- .535 **Installation**
 - 1 **Bases Pedestals**
For use iether inside cases or on floor
 - 2 **Installation on shelves and steps**
 - 3 **Installation without shelves**
Including pins, brackets, hangers etc. For picture hanging see 069.536
 - 4 **Devices for viewing**
For lenses see 578.1
 - 5 **Means to prevent fading**
 - 6 **Novelties in lighting**
For case lighting see 069.3116
 - 7 **Lay figures**
 - 9 **Other**
- .536 **Picture framing Picture hanging**
- .537 **Labels Labeling**
 - 1 **Format**
Size, material, color, type, ink etc.
 - 2 **Data Literary style**
 - 3 **Maps Charts Diagrams Pictures Transparencies**
Use of these as labels
 - 4 **Tags Numbers Name plates**
 - 5 **Gumd letters**
 - 7 **Interrelation and rank of labels General labels**
 - 8 **Location and attachment of labels**
Including frames, bindings etc.; label pins and holders, etc.
- .538 **Gides Gallery leaflets**
May be divided alfabetically by subject

DECIMAL CLASSIFICATION

- 069.54 Collections
For data concerning material itself, regardless of whether exhibited or stored, including description, catalogs, data on location of types and historic material, thefts, forgeries, etc. May be divided alphabetically by subject
- .55 Arrangement and housing of study collections
Classification, tagging, shelving etc.
- .57 Filed collections and materials
Including all information concerning material and accessories which ordinarily are filed for preservation, and also data on mounts, labeling, cabinets, systems, records, and blank forms used in connection with this material
- .571 Fotografis Prints
 - I Fotografis, sketches etc. as field notes
- .572 Fotografic negatives
- .573 Lantern slides
- .574 Motion picture films
- .575 Printing blocks
- .576 Maps Charts Broadsides
- .577 Molds Casts
Molds and casts used in modeling, taxidermy etc. not the collections of plasters which form part of an art collection, for which see 069.45
- .58 Library
For construction see 069.241 and equipment 069.361. Divide in part like 020 as follows:
 - .581 Scope
 - .584 Rules Management
 - .585 Administration
 - 3 Cataloging
 - 4 Classification
 - 6 Loan sistem
- .6 Administration
 - .61 Organization
 - .611 Charters Acts of incorporation Constitutions Bylaws
 - .614 Membership
 - .62 Principles Regulations Ethics
Class here published codes of rules, even tho covering different ground from that indicated below
 - .621 General principles of administration
 - .622 Regulations and ethics for staf
 - .623 Regulations for members Privileges
 - .624 General regulations for visitors
For hours of opening see 069.1715
 - .625 Regulations for copyists, fotografers, students etc.
 - .63 Personnel
 - .631 General considerations
See also 069.62 Regulations
 - I Professional requirements
Qualifications, duties. For training of staf see 069.07. For qualifications and duties of special position see 069.633
 - 3 Appointment Tenure
 - 4 Hours Vacations
May be subdivided like 023.6
 - 6 Salaries
 - 8 Women as museum employees

MUSEUMS

- 069.632 **Governing board Trustees**
- 1 **President**
 - 4 **Other officers**
 - 5 **Elective members**
 - 6 **Ex-officio "**
- .633 **Staff**
- 1 **Director Curator in charge**
 - 2 **Other administrative officers**
 - 3 **Curators**
 - 4 **Docents**
 - 5 **Librarian**
 - 6 **Preparators Artisans**
 - 7 **Attendants etc.**
 - 9 **Other**
- .634 **Animals**
 Watch dogs, etc.
- .64 **Finance**
 See also 069.515 Purchase and sale of specimens, etc.
- .641 **Value of property**
 Divide by subject like main classification (using 1 for buildings and equipment),
 subdividing as minutely as desired for data regarding value of specimens
- .642 **Public support**
 Taxes, appropriations
- .643 **Other receipts and assets**
- 1 **Endowment**
 Including investment and income
 - 2 **Contributions Bequests**
 - 3 **Lectures Fairs Entertainments**
 For raising money
 - 4 **Membership fees**
 - 5 **Sale of publications, pictures etc.**
 - 6 **Sale of other property**
 See also 069.515
 - 7 **Privileges**
 E. g. rent of restaurant
 - 8 **Concessions**
 Tax, tarif, postal, transportation
 - 9 **Other**
 For admission fees see 069.1715
- .644 **Disbursements Liabilities**
- 1 **Salaries Pensions**
 - 2 **Purchase of specimens and objects Preparation and repair of
 collections**
 See also 069.515
 - 3 **Construction and repair of building and equipment**
 - 4 **Material Supplies Equipment**
 Fuel
 - 5 **Insurance**
 See also 069.641 Value of property
 - 6 **Taxes**
 - 7 **Printing and publishing**
 - 9 **Other**
- .645 **Budget Accounting Bookkeeping**
 Includes time accounting
- .646 **Employees welfare**
 See also 069.6441 Pensions

DECIMAL CLASSIFICATION

- 069.65 **Office methods**
- .651 **Files Filing**
 - For files not provided for elsewhere
- .652 **Graphic methods**
- .653 **Accounting**
- .654 **Records of property**
 - Including furniture etc. For records of collections see 069.53
- .7 Publications Publishing**
 - For discussion concerning publication and for complete file of the institution's own publications, also for other museum publications when classed as such, for use as sample publications, etc. When dealing with a special subject they are preferably classed under subject; e. g. museum reports in 069.09; monograph on a scientific subject, with that division of science, etc.
- .71 **Authorship Editorial work**
 - See also 029.6 and 655.52
- .72 **Publishing arrangements**
 - Publishing by institution or by outside agency
- .73 **Multigrafiing Mimeografiing**
- .74 **Distribution Mailing lists**
- .75 **Storage**
- .76 **Reprinting**
- .77 **Reports**
 - Including statistics, prospectuses, anniversary booklets, programs and announcements
- .78 **Other publications**
 - News, popular, scientific, technical, non-serial, etc.

070 Journalism General newspapers

- See also 029.3 Clippings Clipping bureaus
- 179.1 Morals of the press
- 323.445 Liberty of the press (political science)
- 351.751 Regulation of the press (government administration)
- 396.507 Women in journalism
- 655 Printing Publishing Copyright
- 741 Cartoons Caricatures

- .1 Utility Theories Relations to other professions
 - For government relations see 070.15
- .11 Standards Ethics Influence Responsibility
 - General and higher view, educativ influence; for degradation of the press see 070.16
- .12 Endowd newspapers
 - Independence of popularity
- .13 Liberty of the press Censorship
 - Individual privacy; diplomatic secrets; seditious or anarchic influence
 - See also political science.323.445 Freedom of the press
- .14 War censorship
- .15 Subservience to special interests
 - Use by sectarian, partizan or private interests. Government relations and influence: subsidies, 'reptil fund'
- .16 Sensational or 'yellow' journalism
 - Fictitious news; scandals, murder and divorce trials; blackmail, bribes
- .17
- .18 Anonymous journals
 - Those with editors or place of publication unknown
- .19 Other general questions
 - Comparison of field, importance and influence of newspaper, periodical and book
- .2 Ownership and control
- .22 Newspaper names
- .23 Location
 - .232 Metropolitan Large city
 - .234 Provincial Small city
 - .236 Rural or village
- .26 Syndicates Patent insides
- .3 Business management
- .31 Staff and workmen
 - .311 Offis staff
 - Manager, stenografers, bookkeepers, clerks, messengers
 - .312 Workmen
 - Compositors, foundrymen, pressmen, mechanics, laborers
 - .315 Hours, shifts
 - .318 Newspaper strikes

DECIMAL CLASSIFICATION

- 070.32 Newspaper printing
 Class here discussion of economy and other advantages of special methods and appliances
 For mechanism and operation of newspaper presses see 655.3: Printing presses
- .321 Size of page
- .322 Methods and appliances
- 2 Composition: linotype, monotype, etc.
- 3 Stereotyping
- 4 Presses
- .324 Newspaper cuts: wood, zinc line, halftone
- .325 Frequency of issue
 Daily, semiweekly, weekly, etc.
- .327 Time of issue
 Morning, evening, successive editions, extras
- .328 Size of editions, number printed
- .33 Distribution Circulation Sale
- .331 Direct: subscription Mailing
- .332 House delivery
- .334 Indirect: newsboys, news agencies, etc.
 Crying and peddling in streets; news stands
- .336 Advertising methods
 Subdivided like 659.1 Advertising
- .337 Specialties
 As means of increasing circulation. For special departments see 070.43
 Regular: foren or marine news, stocks, sporting, etc.
 Occasional: adoption of popular causes, exposure of abuses, etc.
- .338 Other means of increasing circulation
 Competitions, guessing contests, prizes, fairs, lotteries, expeditions, etc.
- .34 Cost of production Expenses
- .341 Plant: bilding and equipment, offises.
 Duplicate plant. Depreciation of machinery
- .343 Supplies: paper, stationery, etc.
- .344 Salaries and wages
 Space rates. Pay of journalists, pecuniary inducements of vocation.
 Traveling expenses
- .345 Postage: pound rates, free carriage
- .348 Advertising
 Necessity and cost of advertising itself to gain circulation and secure advertizements. For methods see 070.336
- .349
- .35 Sources of income Receipts
 Sales, subscriptions, subsidies. For bribes see 070.16
- .36 Advertising department
 Including all business pertaining to a journal's advertizing polums. For advertizing agencies see 659.1
- .39 Foren offises
 Subdivided like 940-999; e.g. *N Y herald* office in Paris 070.3944

JOURNALISM

- 070.4 **Editorial management**
 - .41 **General**
 - Editing rules: order of departments and articles; style; newspaper diction
 - .42 **Staff: reporters, correspondents**
 - Organization: hours, duties. For pay see 070.344
 - .43 **Editorial departments**
 - .431 **News**
 - 1 **Sources and channels of news**
 - Telegraf, telephone, wireless, mail, reporters, carrier pigeons, other
 - Utilization and precautions; conflicting news
 - 2 **Press bureaus: associated press**
 - Laffan and other news bureaus. For clippings see 029.3 under
 - Literary methods and labor savers
 - 5 **Foren**
 - 6 **Home**
 - 7 **Local**
 - .432 **Leaders, editorials**
 - .433 **Local interests**
 - Discussion of local affairs, questions affecting schools, library, public works, etc. For local news department see 070.4317
 - .44 **Special subjects: departments and editors**
 - .443 **Financial: stocks, business, shipping, etc.**
 - .445 **Household** Home Women Children
 - 2 **Cookery**
 - 4 **Clothing** Fashions
 - 6 **Hygiene** Care of children
 - 7 **Women's clubs**
 - 8 **Children's department: games, puzzles, etc.**
 - .446 **Recreation** Sporting
 - .447 **Art, musical and dramatic**
 - 7 **Art**
 - 8 **Musical**
 - 9 **Dramatic**
 - .448 **Literary**
 - 1 **Poetry**
 - 3 **Fiction**
 - .449 **Other departments**
 - 2 Religion; 3 Education; 5 Science; 8 Humor
 - .45 **Voluntary correspondents** Contributors
 - .47 **Special editions**
 - Sunday newspaper. Supplements. For extras see 070.327
 - .48 **Special kinds of journals**
 - .481 **Official journals**
 - .482 **Religious**
 - .484 **For foren population**
 - In language foren to country in which publisht
 - .485 **Propagandist**
 - .486 **Professional and technical**
 - .487 **Humorous**
 - .488 **Literary**

DECIMAL CLASSIFICATION

- 070.489 Other: amateur, etc.
070.5-.9 Form divisions
- .5 Periodicals on journalism
 - .6 Press clubs Conventions Expositions
 - .7 Study and teaching of journalism College courses
Schools Personal qualifications for journalism
 - .9 History of newspapers and journalism
General History of American newspapers 071, of German journalism 073
etc. Class history of a particular journal with that journal

071-079 Newspapers of various countries

The 3d figures 1-9 are used as follows:

1 American	4 French	7 Slavic
2 English	5 Italian	8 Scandinavian
3 German	6 Spanish	9 Other

In large collections use geographic divisions under 1, American; 2, English, etc. as in 970 and 940-999. Because of large size and very general character, it is better to keep newspapers together here than to class with local history of the place where published. They could not go on shelves with ordinary books, and a reference is made as easily to them under 070 as anywhere.

080 Special libraries Polygraphy

For sets or 'libraries' so constituted as not to be readily scattered by subjects, and miscellaneous information; but class in 803 literary questions and answers, even tho not alfabetic. Collections conditiond by terms of gift on bein; kept together may be put here, but for preferable treatment of sets, see in Introduction, Assyning clas numbers, section 11, and Reference library. If limited to a special subject, treat like Phoenix library, but shelv the collection in a block before or after the regular books on the same subject; e. g. the Doe collection on Spanish painting, D759.6, would stand together, yet would be where it belonged with the rest of the books on that subject.

090 Book rarities

Books about these topics, and those chiefly valuable because of their rarity, go here. A rare early edition of Shakspeare goes in 822.33 with reference from 099. 090 is mostly used for grouping references to books located elsewhere. See also 010 for bibliograpy and bibliofily; 655 for printing and publishing

091 Manuscripts Autografs

Class in 096 mss important chiefly for illumination. Photographs of mss, when more valuable for subject matter, go with subject rather than here For Diplomatics and Paleograpy, see 417, and under the special language, 421.7, 431.7, etc.

092 Block books

093 Early printed books Incunabula

Colophons

094 Rare printing

Aldines, Elzevirs, Caxtons, etc. Privately printed books; unique books

095 Rare binding

Noted binders, costly ornaments, curious bindings

096 Rare illustrations or materials

Illuminated Illustrated by inserted plates Printed on vellum, silk, bark, etc. in gold or silver letters, etc.

097 Ownership Book plates Ex libris

098 Prohibited Lost Imaginary

099 Other rarities Curiosa Minute size, etc.

Philosophy

100 Philosophy in general

Works limited to none of the 9 divisions

- 101 Utility
- 102 Compendis, outlines
- 103 Dictionaries Cyclopedias
- 104 Essays, lectures, addresses
- 105 Periodicals Philosophic magazines
- 106 Societies: transactions, etc.
- 107 Study and teaching of philosophy
- 108 Polygraphy, extracts, maxims, etc.
- 109 History of philosophy

110 Metaphysics

111 Ontology

Nature of being Substance and form

112 Methodology

Philosophic classification of knowledge Terminology For book classification
see 025.4

113 Cosmology

Philosophic theories and discussion; for philosophy of mathematic processes
see 510.1

- 114 Space
- 115 Time
- 116 Motion
- 117 Matter
- 118 Force
- 119 Quantity Number

- I20 Other metaphysical topics**
- I21 Theory of knowledge** Origin Limits
Dout, denial, belief
- I22 Causation** Cause and effect
- I23 Liberty and necessity**
See also 233.7 Freedom; 234.9 Predestination; 159 Will
- I24 Teleology** Final causes
- I25 Infinit and finite**
- I26 Consciousness** Personality See also 233.6 Doctrin
- I27 Unconsciousness** Automata
- I28 The soul** See 218 Natural theology; 237 Future state
- I29 Origin of the individual soul**
- .1 **By special creation** See also 213 Creation
- .2 **By inheritance** Traduction
See 575.1 Evolution; 136.3 Mental heredity; 233.3 Spiritual heredity
- .3 **Pre-existence**
- .4 **Transmigration** Palingenesis
- .5 **Emanation** See also 147 Pantheism; 212 Natural theology
- I30 Mind and body Anthropology**
Psychic research
- I31 Mental physiology and hygiene**
New thought. For influence of mind on body, mind cure, etc. see 615.851; see also 612.8 Physiology of nervous system, 613.8 Hygiene of nervous system
- I32 Mental derangements**
See also 616.8 diseases of nervous system
- .1 **Insanity** See 362.2 Asylums; 920.8 Lives; 616.84 Disease
- .2 **Idiocy** See 362.3 Asylums; 920.8 Lives; 371.922 Education
- .3 **Hypochondria** **Melancholy** See 616.852 Hysteria
- .4 **Catalepsy** See 616.852 Hysteria
- .5 **Ecstatics**
- .6 **Kleptomania and other leading to crime**
- .7 **Dipsomania and other leading to vice**
See also 178 Temperance; 616.861 Alcoholism
- .8 **Mnemonic derangements**
Not knowing in one state what past in another. See also 154 Memory
- I33 Occultism Witchcraft Magic**
- .1 **Apparitions** Ghosts
- .2 **Hallucinations**
- .3 **Divination** Oracles Second sight Omens Predic-
tions
- .4 **Witchcraft** Sorcery See also 272.8 Persecutions
- .5 **Astrology** See also 520.1 Astrology
- .6 **Palmistry**
- .7 **Humbugs** Quackery
- .9 **Spiritism** Table-tipping, etc. See also 289.9 Sects
- I34 Mesmerism** Animal magnetism Clairvoy-
ance
Psychic phenomena, hypnotism

DECIMAL CLASSIFICATION

- 135 Sleep Dreams Somnambulism
 136 Mental characteristics
 See also 131 Mental physiology
- .1 **As influenced by sex**
 See also 376.2 Mental capacity of women
 - .2 " " " **physical surroundings**
 See also 575.3 Evolution; 573.4 Natural history of man
 - .3 " " " **ancestry (Mental heredity)**
 See also 575.1 Evolution; 233.3 Spiritual heredity; 129.2 Origin of soul; 613.92 Hygiene
 - .4 " " " **race Racial characteristics**
 See also 572 Ethnology
 - .5 " " " **age**
 See also 136.7 Childstudy
 - .6 " " " **physical structure and conditions**
 - .7 **Childstudy Paidology**
 Including adolescence
 - .702 **Methods**
 - 1 Laboratory
 - 2 Home
 - .708 **Observations, records Albums**
 - .71 **Body: structure, growth, care**
 Limited to development period
 See also 136.3 Mental heredity 612.65 Growth
 371.7 School hygiene 613 Hygiene
 612.64 Embryology 613.9 Heredity
 - .72 **Mind**
 Limited to period of physical development
 In a general library better class in 130 and 150 with only references here
 - .73 **Mental characteristics**
 Grouped by influence like 136.1-.6
 - .74 **Children's point of view**
 Divided like the classification: e. g.
 .7417 Ethics .7479 Games
 .742 Religion .748 Literature
 - .75 **Delineation of children**
 Psychology of children from authors' and artists' point of view
 - .757 **In art**
 - .758 **In literature**
 - .76 **Abnormal children**
 Study of development. For methods of instruction see 371.9
 For institutions see 362, 364
 - .761 **Physically defectiv**
 - 1 **Blind**
 - 2 **Def**
 - 3 **Blind-def**
 - .762 **Mentally defectiv**
 Divided like 132 Mental derangements; e.g. study of idiotic children
 136.7622
 - .763 **Morally defectiv Delinquents**
 - .764 **Wildings**
 Wildings: a class of children which, having been lost or deserted, have grown up away from the surroundings of children, alone or among animals.
Paidology 1: 196 (July 1900)

PHILOSOFY

- 136.765 Exceptionals Precocity
 .766 Backward children
 .767 Dependents
 Homeless children, a public charge, lacking ideas and associations of
 children in families
 .769 Other abnormal classes
 .77 Boys The 'gang' The boy problem
 .79 Childhood Divided like 930-999
 .791 The child among uncivilized and semicivilized peoples
- 137 Personality
 Temperaments, idiosyncrasy
- 138 Physiognomy
 Expression of mentality thru the body
- 139 Phrenology Mental photographs, etc.
- 140 **Philosofic systems**
 The heds 140-149.9 are for the discussion of the systems as such. The philo-
 sophic works of authors of these various schools are clast under 190, not here.
 From these heds refer in the catalogs to authors clearly falling under them,
 without attempting to label each writer as an exponent of some one system
- 141 Idealism Transcendentalism
 e. g. Plato, see 184.1, 888.4; Berkeley, see 192.3; Fichte, see 193.3; Emerson,
 see 191.3, 814.36
- 142 Critical filosofy
 e. g. Kant, see 193.2
- 143 Intuitionalism
 e. g. Reid, see 192.5; McCosh, see 191.5. See also 156 Intuitiv faculty;
 171.2 Ethics.
- 144 Empiricism
 e. g. Descartes, see 194.1; Bacon, see 192.1
- 145 Sensationalism
 e. g. Locke, see 192.2
- 146 Materialism Positivism
 e. g. Hobbes; Comte, see 194.8 See also 149.2 Realism
- 147 Pantheism Monism
 e. g. Spinoza See 212 Natural theology
- 148 Eclecticism
 e. g. Cousin, see 194.7
- 149 Other filosofic systems
 See 211 Rationalism, skepticism; 214 Fatalism
- .1 **Nominalism**
- .2 **Realism** See 146 Materialism
- .3 **Mysticism** See 273.2 Heresies; 189.5 Medieval filosofy
- .4 **Associationalism**
- .5 **Optimism Meliorism**
- .6 **Pessimism**
 e. g. Schopenhauer, see 193.9 See also 216 Evil; 233 Doctrin of man
- .7 **Agnosticism**
 See 273.8 Agnostic heresy
- .8 **Nihilism**
- .9 **Other systems**

150 Mental faculties Psychology

For related topics, see Mental in Relativ index following Tables

- 151 Intellect Capacity for knowing**
.1 Genius
- 152 Sense Sense perceptions**
 See also physiology 612.84-88
Passiv or receptiv faculty
.1 Vision
.2 Hearing
.3 Smell
.4 Taste
.5 Touch
.6 Muscular sense
- 153 Understanding**
 See also 612.821 Physiologic psychology
Activ or thinking faculty
.1 Conception The concept or notion
.2 Association
.3 Abstraction
.4 Reflection
.5 Judgment
.6 Reasoning Induction and deduction
 See also 160 Logic
- 154 Memory Reproductiv power**
 See also 132.8 Mnemonic derangements
.1 Mnemonics
- 155 Imagination Creativ power**
.1 Fancy Imaging power
- 156 Intuitiv faculty Reason**
 For reasoning, see 153.6
- 157 Sensibility Emotions Affections**
- 158 Instincts Appetites**
- 159 Will**

160 Logic Dialectics

See 153.6 Reasoning power. For logic of chance, see 519 Probabilities

161 Inductiv

162 Deductiv

163 Assent Faith

See also 234.2 Doctrinal theology

164 Symbolic Algebraic

Logical machines

Logical topics

165 Sources of error Fallacies

166 Syllogism Enthymeme

167 Hypotheses

168 Argument and persuasion

169 Analogy Correspondence

See also 219 Natural theology

170 Ethics: theoretic and applied

Many topics in applied ethics occur also in law, specially in 343 Criminal law

See also 377.2 Ethical education.

.1 .2 Compends .3 Dictionaries .4 Essays .5 Periodicals
.6 Societies; Society for ethical culture .7 Study and teaching .8 Polygrafy
.9 History

171 Theories Philosophy of ethics

Theories of the basis of morality

.1 Authority Will of God Christian

For rules of Christian conduct see 241

.2 Intuition Moral sentiment

See also 143 Intuitionism; 156 Intuitiv faculty

.3 Perfection

.4 Happiness Hedonism

.5 Utilitarianism

.6 Conscience Casuistry

.7 Evolutionary or educational

.8 Altruism

.9 Egoism

172 State ethics

.1 Individuals and the state Duties of citizens Patriotism

See also 320 Political science

.2 Duties of public officers Official corruption

.3 Relations to church

Duty of state as to support and protection of church

See also 261.7 The church; 322 Church and state; 272 Persecutions

.4 International ethics Peace and war

See also 341 International law

DECIMAL CLASSIFICATION

173 Family ethics

- 1 **Marriage and divorce** See also 347.6 Family law
- 2 **Polygamy and monogamy** See also 298 Mormonism
- .3 **Duties of husbands and wives**
- .4 **Infanticide**
- .5 **Duties of parents**
- .6 **Duties of children**
- .7 **Home life**
- .8 **Masters and servants** See also 647 Servants; 331 Labor
- .9

174 Professional and business ethics

- .1 **Clergy**
- .2 **Physicians**
- .3 **Lawyers**
- .4 **Merchants Business men Business virtues and vices**
- .5 **Speculation Mammonism Avaris**
- .6 **Gambling Lotteries**
See also 175 below
- .7 **Honor, honesty Dishonesty**
Compact, promis; chicanery, trickery
- .8 **Employers and employd**
- .9

175 Ethics of amusements For amusements, see 790

- .1 **Public shows and diversions Rinks, circuses, etc.**
- .2 **Theater Opera Private theatricals**
- .3 **Dancing Balls Round dances**
- .4 **Games of skill: billiards, chess, etc.**
- .5 **Games of chance: cards, dice, etc.**
- .6 **Prize fighting Animal fighting: bull, dog, cock, etc.**
- .7 **Racing: horse, boat, pedestrian, wheel, etc.**
- .8 **Novel reading**
- .9 **Betting Poolselling** See 174.6

176 Sexual ethics

- .1 **Chastity**
- .2 **Celibacy** See also 254 Celibacy of clergy
- .3 **Continence**
- .4 **Solitary vice**
- .5 **Social evil** See also 258 Parish care of fallen
- .6 **Adultery**
- .7 **Immoral art**
- .8 **Immoral literature**
- .9

- 177 Social ethics**
- .1 Curtesy**
See also 395 Etiquet
 - .2 Conversation Gossip**
See also 374.1 Self culture
 - .3 Truth Slander Flattery**
 - .4 Dress Display Sumptuary legislation**
 - .5 Caste Class feeling Welth and rank**
See also 294 Brahmanism, and 323.31 Nobility, welthy class
 - .6 Friendship Courtship Coquetry**
 - .7 Philanthropy Humanity**
 - .8 Solitude vs social obligations**
 - .9**
- 178 Temperance Stimulants and narcotics**
May be divided by form .01-.09; see Index table 2, following Relativ index
See also 132.7 Dipsomania; 331.84 Laboring classes; 613.3 Beverages; 613.8 Nervous system
- .1 Use of intoxicating drinks Beer drinking Medicinal use**
See also 616.861 Alcoholism; and Alcohol, Alcoholic, in Relativ index
 - .2 Total abstinence vs temperance**
 - .3 Social drinking Wine at table Treating**
 - .4 Traffic in intoxicating drinks License High license**
See also 336.27 Taxation
 - .5 Prohibition**
Including legal discussion of prohibition. See also 329.81 Prohibition party
 - .6 Inebriates**
Discussion, reformation. For reformatories and inebriate asylums see 362.8
 - .7 Tobacco**
 - .8 Opium Hashish Chloral Ether and other drugs**
 - .9 Gluttony and other intemperance**
- 179 Other ethical topics**
- .1 Morals of the press Newspapers**
See also Journalism, 070.11
 - .2 Cruelty**
Societies for preventing cruelty to children and also general humane societies covering work for both children and animals. See also 173.4 Infanticide; 331.3 Labor of children
 - .3 Cruelty to animals**
 - .4 Vivisection**
See also 614.22 Vivisection laws
 - .5 Oaths**
 - .6 Heroism Bravery Cowardis**
 - .7 Life Dueling Suicide**
See also 394.8 Dueling as a custom
 - .8 Pride Covetousness Envy Anger Sloth Jelousy Hate and other vices**
 - .9 Humility Liberality Gentleness Patience Diligence Charity Modesty, and other virtues**

180 Ancient filosofers

See also 921.9 Biography of ancient filosofy

181 Oriental filosofers

- .1 Chinese: Confucius, Mencius
- .2 Egyptian
- .3 Jewish: kabala; Philo, Maimonides
- .4 Indian: gymnosophists
- .5 Persian Sufism
- .6 Chaldaean
- .7 Sabeism
- .8 Phenician
- .9 Syrian

182 Early Greek filosofers

- .1 Ionic: Thales, Anaximander, Anaximenes
Materialistic. Things are as they seem
- .2 Italic or Pythagorean Half idealistic
- .3 Eleatic: Xenophanes, Parmenides, Zeno, Melissus
Idealistic. Existence denied. Thought is the only reality
- .4 Heraclitus
- .5 Empedocles
- .6 Atomistic
Democritus
- .8 Anaxagoras
- .9 Other early Greek

183 Sophistic and Socratic filosofers

- .1 Sophistic: Protagoras, Gorgias, Prodicus, Hippias
- .2 Socrates
- .3 Socratic
- .4 Cynic: Antisthenes, Diogenes, Crates, etc.
- .5 Cyrenaic: Aristippus, Hegesias, etc.
- .6 Megaric: Euclid, Eubulides, Diodorus, etc.
- .7 Elian and Eretrian: Phedo, Menedemus, etc.

184 Platonic Older Academy

- .1 Plato
Class his works preferably in 888.4, but discussion of his filosofy here
- .2 Speusippus
- .3 Xenocrates

185 Aristotelian Peripatetic Lyceum

- .1 Aristotle
Class his works preferably in 888.5, but discussion of his filosofy here
- .2 Theophrastus
- .3 Eudemus
- .4 Strato

PHILOSOPY

- 186 **Pyrrhonist New Platonist**
 .1 **Pyrrhonism Skepticism Pyrrho, Timon**
 .2 **New Academy: Arcesilaus, Carneades, Plutarch**
 See 888.8 Plutarch's works
 .3 **Eclecticism: Cicero** See 875.4
 .4 **Alexandrian, Neo-Platonic: Philo, Plotinus, Proclus,**
 Porphyry, Iamblichus See 239.4 Apologetics; 273.1 Heresies

187 **Epicurean: Epicurus Lucretius** See also 871.1

- 188 **Stoic**
 .1 **Zeno**
 .2 **Cleanthes**
 .3 **Chrysippus**
 .4 **Panaetius**
 .5 **Posidonius**
 .6 **Seneca** See 878.5; 872.6
 .7 **Epictetus**
 .8 **Marcus Aurelius**

- 189 **Early Christian and medieval philosophers**
 .1 **Gnosticism** See 273.1 Basilides, Marcion. See 273.2 Manichaeism
 .2 **Patristic: Tertullian, Augustine, Clement, Origen**
 .3 **Arabian: Avicenna, Averroes**
 .4 **Scholastic: Scotus, Aquinas, Anselm, Abelard**
 .5 **Mystic: Reuchlin, Cornelius Agrippa, Paracelsus, Servetus,**
 Böhme

190 **Modern philosophers**

See also 921.1 to 921.8 Biography of philosophy, or lives may be put here with works, with references only under 920 Biography. Philosophic works are put here, not under the School or System to which the author may be thought to belong. See note under 140

- 191 **American philosophers** Put all under 191 etc. and arrange alphabetically by name.
 These numbers may be left blank for future use or used for the well known names among American philosophic writers given below
- | | | | |
|----|---|------------------|------------|
| .1 | Jonathan Edwards | 1703-58 | |
| .2 | Orestes A Brownson | 1803-76 | |
| .3 | Ralph Waldo Emerson | 1803-82 | See 814.36 |
| .4 | Laurens P Hickock | 1798-1888 | |
| .5 | James McCosh | 1811-94 | |
| .6 | Noah Porter | 1811-92 | |
| .7 | Francis Bowen | 1811-90 | |
| .8 | William Torrey Harris | 1835-1909 | |
| .9 | Other American philosophic writers | | |

DECIMAL CLASSIFICATION

- 192 British philosophers
- .1 Bacon 1561-1626 See 144 Empiricism
 - .2 Locke 1632-1704 See 145 Sensationalism
 - .3 Berkeley 1685-1753 See 141 Idealism
 - .4 Hume 1711-76 See 824.64 English essays
 - .5 Reid 1710-96 See 143 Intuitionism
 - .6 Dugald Stewart 1753-1828
 - .7 John Stuart Mill 1806-73
 - .8 Spencer 1820-1903
 - .9 Other British philosophic writers
- 193 German philosophers
- .1 Leibnitz 1646-1716
 - .2 Kant 1724-1804 See 142 Critical philosophy
 - .3 Fichte 1762-1814 See 141 Idealism
 - .4 Schelling 1775-1854
 - .5 Hegel 1770-1831
 - .6 Schleiermacher 1768-1834
 - .7 Schopenhauer 1788-1860 See 149.6 Pessimism
 - .8 Lotze 1817-82
 - .9 Other German philosophic writers
- 194 French philosophers
- .1 Descartes 1596-1650 See 144 Empiricism
 - .2 Malebranche 1638-1715
 - .3 Condillac 1715-80
 - .4 Rousseau 1712-78
 - .5 Diderot 1713-84
 - .6 Lamennais 1782-1854
 - .7 Cousin 1792-1867 See 148 Eclecticism
 - .8 Comte 1798-1857 See 146 Positivism
 - .9 Other French philosophic writers
- 195 Italian philosophers
- 196 Spanish philosophers
- 197 Slavic philosophers
- 198 Scandinavian philosophers
- 199 Other modern philosophers

The beds of 180-199 are for discussions of the systems of these men and for their philosophic works not clearly belonging elsewhere, not for *all* their works. Mill's *Logic* is 160 not 192.7, but his *complete works* bound together are 192.7. Plato and Aristotle have individual numbers, 888.4 and .5, where their works are more useful than in 184-5 because of their classic prominence.

Religion

200 Religion General works

- 201 Philosophy, theories, methods
- 202 Compends, outlines, systems
- 203 Dictionaries, cyclopedias
- 204 Essays, lectures, disputations, addresses
See also 252 Sermons
- 205 Periodicals, magazines, reviews
- 206 Societies: transactions, reports, etc.

General conferences. Societies whose work is largely done by paid officers, most members merely contributing money; e. g. Pan-evangelical alliance, Bible and tract societies. Put history, reports, etc. here, but their publications of course go with subject

- 207 Education: theologic seminaries, training schools Divided like 940-999
- 208 Polygraphy: collected works, extracts, etc.
Many collections go under a more specific head; e. g. 240
- 209 History of religion
General, including ecclesiastic antiquities, statistics, etc. See also 270 for Christian religion, and 274-279 for Christian antiquities of special countries

210 Natural theology

Concerns evidence in nature exclusiv of revelation, also Christian or skeptic discussion of specific topics (211-214, 216-218). For general defense of Christian theology, see 239 Apologetics, subdivided according to kind of criticism

211 Deism and atheism

Skepticism. Infidelity. Rationalism, etc.
Atheism denies existence of God. Deism accepts existence, but denies revelation and rejects Christianity. Theism believes in a god supernaturally revealed, e. g. Judaism, Mohammedanism, Buddhism, etc. Arguments from nature in support of any of these views go here
See also 231 Christian theism; 239 Apologetics; 273.8 Agnostic heresy; 149.7 Agnosticism

212 Pantheism Theosofy See 147 Pantheism; 129.5 Origin of soul

213 Creation See 113 Cosmology Evolution See 575 Science From religious viewpoint; attempts to harmonize *Genesis* and geology. See also metaphysics, 113 Cosmology; and natural science, 575 Evolution

214 Providence See 231.5 Doctrins Theodicy See 231.8 for Christian view

DECIMAL CLASSIFICATION

- 215 Religion and science See 239.8 Apologetics
 Antagonism or reconciliation between science and Bible religion. Pro and con arguments by scientists. Bridgewater treatises. For creation, see 213
- 216 Evil Depravity See 149.6 Pessimism; 233.2 Sin
- 217 Prayer Prayer gage See 264.1 Prayer; 248 Personal religion
 Tests of efficacy of prayer
- 218 Future life Immortality Eternity
 See 237 Future state; 128 The soul
- 219 Analogies Correspondences See also 169 Logic

220 Bible General works

For similar works limited to Old or New Testament, or individual books, see specific hed below

- .1 Canon Inspiration Authorship Profecy
- .2 Concordances Analyses
- .3 Dictionaries Cyclopedias
- .4 Original texts and early versions Codices
 Heds for old and new testaments are given, as they are also used for 221 and 225
- .42 Chaldee
- .43 Syriac
- .44 Hebrew
- .45 Samaritan
- .46 Other Semitic: Ethiopic, Arabic, etc.
- .47 Latin, Itala, Vulgate
- .48 Greek, Septuagint Aquila, Symmachus, Theodotion
 Hexapla
- .49 Other early versions: Armenian, Coptic, Gothic, etc.
 220.4 and 220.5 are pure texts. A Hebrew bible with commentary goes in 220.7 with reference from 220.44
- .5 Versions of Bible Polyglots Divide by languages, like 400
 These are translations from the original Hebrew and Greek. Translations from other early texts go with them in 220.4; e. g. an English translation of the Syriac goes in 220.43
- .6 Hermeneutics Exegesis Symbolism Typology
- .7 Commentaries on whole Bible, and annotated editions
 For notes, etc. on portions of the Bible, see the most specific hed in 221-229
- .8 Special topics
 Divided like general Classification; e. g. natural science of the Bible in 220.85
- .9 Biblical geograpy and history
- .91 Biblical geograpy, description, etc.
 See 915.69, 913.33 Palestine
- .92 Scriptural biograpy
 See also 922.1; 232.9 Lives of Christ
- .93 Antiquities, archeology
 See also 296 Jewish religion; 933 History of Jews
- .94 Chronology
- .95 History
 See 933 Jews

RELIGION

221 Old Testament: texts, introductions, etc.

Divided like 220; e. g. 221.7 Commentaries on Old Testament

222 Historical books

- .1 Pentateuch
- .11 Genesis
- .12 Exodus
- .13 Leviticus
- .14 Numbers
- .15 Deuteronomy
- .16 Decalog
- .2 Joshua
- .3 Judges and Ruth
- .4 Samuel
- .5 Kings
- .6 Chronicles
- .7 Ezra
- .8 Nehemiah
- .9 Esther

223 Poetic books

- .1 Job
- .2 Psalms
 - .3 Authorship and chronology
 - .4 Special groups
 - Messianic; Greater Hallel; Lesser Hallel; Vesper psalms; Penitential, 6, 32, 38, 51, 102, 130, 143; Hebraic five books, Psalms 1-41; 42-72; 73-89; 90-106; 107-150
 - .5 Liturgic use by Christians Metrical versions
 - See 264.038 Anglican psalter; 245 Hymnology
 - .6 Commentaries on psalms
 - .7 Proverbs
 - .8 Ecclesiastes
 - .9 Song of Solomon, or Canticles

224 Profetic books

- .1 Isaiah
- .2 Jeremiah
- .3 Lamentations
- .4 Ezekiel
- .5 Daniel
- .6 Hosea
- .7 Joel
- 8 Amos

DECIMAL CLASSIFICATION

- 224.9 Other minor prophets
 - .91 Obadiah
 - .92 Jonah
 - .93 Micah
 - .94 Nahum
 - .95 Habakkuk
 - .96 Zephaniah
 - .97 Haggai
 - .98 Zechariah
 - .99 Malachi
- 225 New Testament: texts, introductions, etc.
 - Divided like 220
- 226 Gospels and Acts
 - .1 Harmonies
 - .2 Matthew
 - .3 Mark
 - .4 Luke
 - .5 John
 - .6 Acts of the apostles
 - .7 Miracles
 - .8 Parables
 - .9 Lord's prayer
- 227 Epistles
 - .1 Romans
 - .2 Corinthians 1
 - .3 Corinthians 2
 - .4 Galatians
 - .5 Ephesians
 - .6 Philippians
 - .7 Colossians
 - .8 Other Pauline epistles
 - .81 Thessalonians 1
 - .82 Thessalonians 2
 - .83 Timothy 1
 - .84 Timothy 2
 - .85 Titus
 - .86 Philemon
 - .87 Hebrews

RELIGION

- 227.9 Catholic epistles
 - .91 James
 - .92 Peter 1
 - .93 Peter 2
 - .94 John 1
 - .95 John 2
 - .96 John 3
 - .97 Jude
- 228 Apocalypse
- 229 Apocrypha
 - .1 Esdras 1, 2
 - .2 Tobit, Judith, Esther
 - .3 Wisdom
 - .4 Ecclesiasticus
 - .5 Baruch, Epistle of Jeremy, Song of the three children
 - .6 Story of Susanna, History of Bel and the dragon, Prayer of Manasses
 - .7 Maccabees 1, 2, 3, 4
 - .8 Pseudo gospels
 - .9 Apostolic epistles and canons Clementines See 281.1
- 230 **Doctrinal Dogmatics Theology**

General doctrinal works may be subdivided by churches like 280-289. See also 252.3
Class here polemics either offensiv or defensiv, when distinctly doctrinal; but class in 280 history of a sect, even if largely controversial and of a limited period. Class controversy about a special doctrin with its subject; e.g. controversy on the atonement 232.3
- 231 God Unity Trinity
 - .1 God the Father, Creator
 - .2 God the Son, Redeemer
 - Second person of the Trinity, irrespectiv of his appearance on earth as the historic Christ
 - .3 God the Holy Ghost, Giver of Life, Sanctifier
 - .4 Divine attributes: omniscience, omnipresence, omnipotence
 - .5 Divine providence See also Natural theology 214
 - .6 Divine love and wisdom
 - .7 Divine law and miracles
 - .8 Theodicy
 - Vindication of God's justis in permitting evil. See also Natural theology, 214
 - .9

DECIMAL CLASSIFICATION

- 232 Christology
- .1 Incarnation Messiah
 - .2 Logos, the Word of God
 - .3 Atonement
 - .4 Sacrifice
 - .5 Resurrection
 - .6 Second coming See also 286.7 Second adventist.
 - .7 Judgment
 - .8 Divine humanity
Divinity of the man Jesus, pro and con
 - .9 Lives of Christ
- 233 Man
- .1 The fall
 - .2 Sin
 - .3 Moral and spiritual heredity
See also Biology, 575.1; Psychology, 136.3; Metaphysics, 129.2
 - .4 Accountability
 - .5 Natural and spiritual body
 - .6 Personality See also Metaphysics, 126
 - .7 Freedom See also 234.9; 123; 159
 - .8
 - .9
- 234 Salvation Soteriology
- .1 Grace
 - .2 Faith
 - .3 Redemption
 - .4 Regeneration
 - .5 Repentance
 - .6 Obedience
 - .7 Justification
 - .8 Sanctification
 - .9 Predestination and freewill See also 233.7; 123; 159
- 235 Angels Devils Satan
- 236 Eschatology Last things
- .1 Deth
 - .2
 - .3 Millennium
 - .4 Intermediate state Sheol Hades
 - .5 Purgatory
 - .6 Paradise Limbus patrum
 - .7 Limbo Limbus infantum
 - .8 Resurrection
 - .9 Judgment See also Christology, 232.7

RELIGION

- 237 **Future state** See also Natural theology, 218
- .1 **Eternity**
 - .2 **Immortality**
 - .3 **Conditional immortality**
 - .4 **Heven**
 - .5 **Hell Gehenna**
 - .6 **Retribution Future punishment**
 - .7 **Eternal punishment** See also 289.1 Universalists
- 238 **Creeds Confessions Covenants Catechisms**
Divided more closely if wisht like 280-289; e. g. 238.19 Greek church
- .1 **Apostles, Nicene, and Athanasian creeds**
 - .2 **Creed of Pius 4 (Trent) and later Roman**
 - .3 **Anglican 39 articles, A. D. 1551** See also 264.037 Liturgy
 - .4 **Continental protestant Lutheran Calvinist Dort**
 - .5 **Westminster Saybrook Cong'l Cambridge Savoy**
 - .6-9 **Of other sects** Divided like 286-289
- 239 **Apologetics Evidences of Christianity**
If preferd, courses of apologetic lectures may be kept together; e. g. 239.01 Bampton; .02 Boyle; .03 Hulsean; .04 Bohlen; .05 Paddock; .08 Miscellaneous. More usefully each book is clast under the most specific hed that will contain it
See also natural theology 211-218 and doctriens 231-237 for discussion of separate topics
- .1 **Apostolic age**
 - .2 **Against the Jews**
 - .3 **Against the heathen**
 - .4 **Against the Neo-Platonists** See 273.1 Gnostic heresy
 - .5 **Against the English and Scotch deists** See 211 Deism
 - .6 **Against the French encyclopedists**
 - .7 **Against the rationalists**
See 211 Natural theology; 273.8 Agnostic heresy; 149.7 Agnosticism
 - .8 **Against the scientists** For nonchristian view, see 215
 - .9 **Other special denials**

- 240 Devotional Practical**
- 241 **Didactic**
Specifying the Christian's duty to do and to avoid For Catechisms see 238
- 242 **Meditativ, contemplativ**
Consolatory. See also 248 Personal religion
- .1 **Thomas à Kempis**
- 243 **Hortatory, evangelistic**
Urging sinners to Christian repentance
- 244 **Miscellany: religious novels, Sunday school books, allegories, satires, etc.**
But class Bunyan in 823.42 because of his literary prominence
- 245 **Hymnology Religious poetry**
Hymns without music. For hymns with music see 783.9
Divided by languages, like 800, and then by churches, like 280, if denomination is clearly marked
See also 223.5 Psalms; 264.038 Psalter
- 246 **Ecclesiology Symbolism Religious art**
246-7 cover religious bearings. For art side see 700
- .1 **Byzantine and Gothic ecclesiology**
See 723 Medieval architecture; 726 Religious architecture
- .2 **Primitiv church and heathen art**
- .3 **Images in churches Iconoclasts**
- .4 **Protestantism and religious art**
- .5 **Emblematic and cryptographic art: catacomb symbols**
- .6 **Liturgic symbolism: altar, colors, lights**
See also 264 Public worship
- .7 **Evangelistic use of music and art, pictorial and plastic: Della Robbias**
- .8 **Eucharistic music: Ambrose, Gregory the Great Later development** See also 783 Sacred music; 264.2 Public worship
- .9
- 247 **Sacred furniture Vestments Vessels Ornaments, etc.**
- .1 **Font Baptistery Lectern Pulpit**
- .2 **Tabernacle Rood screen Reredos**
- .3 **Sculpture and mortuary design**
See 718 Monuments; 726.8 Mortuary buildings; 730 Sculpture
- .4 **Illumination Mosaics Enamels Stained glass**
See also 745 Ornamental design; 748 Stained glass
- .5 **Fresco and religious painting** See also 750 Painting
- .6 **Pallium Miter Crozier Ring**
- .7 **Vestments and altar cloths**
- .8 **Eucharistic vessels** See also 265.3 Sacraments
- .9 **Ornaments, etc: crucifix, banners, thurible, incense**

RELIGION

- 248 Personal religion Asceticism
See also 273.2 Ascetic heresy
- 249 Family devotions See 264 Public worship
- 250 **Homiletic Pastoral Parochial**
- 251 Homiletics Preaching Sec 264.6 Public worship
Divided like 252, for matter about special kinds of sermons
- 252 Sermons
When too varied for any of the subheds .1-9, may be divided with .0 by churches and sects, like 280; e. g. protestant episcopal sermons 252.03, but a collection of bishop's addresses 252.1. Sermons on specific topics ar more useful, like other pamphlets, clast with the topics, e. g. a sermon on family devotions is 249, not 252.4; on strikes, 331.89. Tho the 9 heds below ar for collections and cross references, they may be used for separate sermons if preferd
- .1 Episcopal charges Pastorals
- .2 Controversial Polemic
- .3 Doctrinal Dogmatic See also 230 Dogmatics
- .4 Practical Devotional
- .5 Academic Educational See also 378.7 Baccalaureates
- .6 Political Public occasions and duties
Thanksgiving and Fast day
- .7 Consecration Ordination Installation
See also 265.4 Ordination; 265.9 Consecration; 262.16 Orders
- .8 Expository
- .9 Memorial Obituary Biografic Historical
Memorial of a special church goes with that church in 280. See also 920 Biografy
- 253 Pastoral visitations, evangelistic
- 254 Cleric support Celibacy
See also 176.2 Sexual ethics; 248 Asceticism; 613.89 Hygiene
- 255 Brotherhoods Sisterhoods
In the parish. For Monastic orders, see 271
- 256 Societies for parish work: gilds, sodalities
Local societies. Discussion of desirability of such work. For general societies see 206 and 267
- 257 Parochial schools Libraries, etc.
See also 377.5 Education; 027.8 Parish libraries
- 258 Parish care of sick, fallen, etc.
See 265.8 Ministry of sick; 176.5 Social evil
- 259 Other ministrations and work

260 Church Institutions and work**261 The church**

Its influence on morals, civilization, etc. Relation to social questions, laboring classes, etc.

.1**.2****.3 Church vs barbarism****.4 Church and morals****.5 Church and intellectual development** See also 377.8 Education**.6 Church and civilization****.7 Church and civil government**

See 172.3 State ethics; 322 Church and state

.8 National churches vs organic unity**.9****262 Ecclesiastic polity****.1 Ministry****.11 Apostolic succession****.12 Episcopate****.13 Papacy Primacy** Papal supremacy; infallibility, 18 July 1870**.14 Priest Presbyter Minister Lay ministry****.15 Deacon Deaconess Evangelist****.16 Orders Ordination** See 265.4 Sacraments; 252.7 Sermons**.17 Episcopal****.18 Presbyterian****.19 Congregational****.2 Parish Congregation** See 250 for Parochial work**.3 See Diocese Cathedral system****.4 Council Synod Presbytery Congregation Convention**

Polity only, here. Proceedings go with churches, 281-9

.5 General or ecumenic council See also 270.2**.6 Canons Decrees****.7 Traditions****.8 Authority Church and ministerial Private judgment****.9 Disciplin Courts Trials** For Canon law see 348**263 Sabbath Lord's day Sunday****.1 Hebraic sabbath****.2 Modern sabbath Seventh day****.3 Lord's day Christian Sunday****.4 Sunday observance****.5 Work****.6 Amusement****.7 Opening libraries and museums**

See also 024.4 Library rules

.8 Sunday laws**.9**

264 Public worship Divine services Ritual

Prayer books. See also 246 Ecclesiology; 247 Sacred furniture. General works are divided with .0 by churches like 280; e. g. Roman catholic prayer book 264.02 Under various churches the services may be further divided, as e. g.

- .03 Anglican and American P. E. ritual
- .031 Calendar Festivals and fasts See also 529.6 Chronology
- .032 Lectionary and rubrics
- .033 Morning prayer Litany
- .034 Evening prayer Vespers Compline
- .035 Sacraments, ordinances, and services See also 265 Sacraments
- .036 Collects, epistles and gospels
- .037 Ordinal Articles Creeds See also 238.3 Creeds, doctrines
- .038 Psalter and other See 223.5 Psalms; 245 Hymnology
- .039 History of successive prayerbooks
- .1 Prayer Extempore Liturgic
See also 248-249 Private and family prayer
- .2 Music Singing Instrumental Praise meeting
See also 783 Sacred music; 246.7, 246.8 Ecclesiology
- .3 Scripture readings
- .4 Antiphonal or responsive readings
- .5 Confessions of faith Creeds See also 238 Creeds
- .6 Sermons Exhortations Instructions
See also 251 and 252 Preaching and sermons
- .7 Prayer and conference meetings
- .8 Class and covenant meetings Love feasts
- .9 Sacramentals See also 265 Sacraments

265 Sacraments Ordinances

- .1 Baptism
- .2 Confirmation Church fellowship
- .3 Eucharist Holy communion Sacrifice
- .4 Holy orders Ordination See also 262.16 Ministry; 252.7 Sermons
- .5 Marriage See also 173 Ethics of the family
- .6 Penance Confession Absolution
- .7 Extreme unction Viaticum
- .8 Ministry of sick and dead: faith cure, healing, burial
- .9 Consecration Dedication See 262.16 Ordination; 252.7 Sermons

266 Missions: home and foreign

Subdivided by churches, like 280. See also 269 Parish missions; 377.6 Missionary schools

Missions in special countries or places covering the work of several sects go under the geographically divided Religious history 274-279. The mission of a single sect in a special country or place goes with the history of the sect in 282-289

267 Associations

General societies demanding of members active personal work. For local societies, see 256. For Bible, tract, and similar general societies see 206

- .1 **Religious societies of both men and women**
- .11 U. S. Christian commission
- .15 Salvation army
- 267.2 **Religious societies of men**
For Y. M. C. A. see 267.3; missionary societies, 266; ministerial education societies 207; Bible societies, 206
- .21 17th century or earlier } May be divided by countries like 940-999
- .22 18th century }
- .23 19th century; interdenominational and undenominational
- .231 In educational institutions
Divided like 940-99. If preferred, cancel .231 and put all together in .234-9.
For work of Y. M. C. A. see 267.361
- .232 Nasmith societies
- .233 Young men's Christian unions; i. e. not "evangelic," etc.
- .234-.239 Others Divided like 940-99
- .24 19th century; denominational
- .241 In educational institutions
Divided like 282-289. If preferred, cancel .241 and put all together in .242-9. For work of Y. M. C. A. see 267.361
- .242-.249 Others Divided like 282-289
- .3 **Young Men's Christian associations**
Active membership confined to members of "evangelic" churches
To shorten the number, X may be used for 267.3 thruout; i. e. X 19 would mean "Work in small towns"
- .31 **Objects, field and extension**
- .311 Need and objects
- .312 Limits: for and by young men and distinctively religious
- .313 Relation to the church
- .314 International work
- .315 National work
- .316 State work
- .317 District work
- .318 Work in towns able to support a general secretary
- .319 Work in small towns
- .32 **Buildings** See also library buildings 022
- .321 Location Provision for growth
- .322 Materials and protection against fire
- .323 Plans Number, size and arrangement of rooms
- .324 Reception, social rooms and parlors
- .325 Library Reading, lecture, and class rooms See 022
- .326 Administration and special rooms Boys' rooms
- .327 Physical culture rooms
- .328 Lighting, heating, and ventilation
- .329 Fixtures, furniture, and fittings

Methods only.
For history, reports
and periodicals see
267.39; for secre-
taries see 267.341

RELIGION

- 267.33 **Organization**
- .331 Incorporation Constitution and bylaws
- .332 Branches and suborganizations Including women's work for young men
- .333 Managers Officers serving without pay
- 1 Trustees (in charge of real estate)
- 2 Directors
- 3 President
- 4 Treasurer
- 5 Recording secretary
- 6 Executiv or corresponding secretary
- .334 Standing committees
- 1 Importance; enlistment and composition
- 2 Principles and methods of organization
- 3 Names and duties See also Department work, 267.35
- .335 Membership
- 1 Membership committee
- 2 Classes of membership
- 3 Securing and retaining members
- 4 Development of activ members
- 5 Associate membership and its relations
- For members' meeting see Social work, 267.3544
- .34 **Salaried officers: duties, qualifications, training**
- .341 General secretary and assistants
- Including international and state secretaries. See also 267.314- 316
- 1 Offis and work
- 2 Qualifications
- 3 Relationship
- 31 To churches and pastors
- 32 To officers, directors, and committees
- 33 To other employees
- 34 To the members
- 35 To the religious work
- 36 To the business community
- 37 To fellow secretaries
- 4 Personal hints
- 41 Considering a call and beginning work
- 42 Spiritual and intellectual growth and health
- 43 Offis work, system, and economy
- 44 Personal appearance and conversation
- 45 Ladies' company
- 46 "Secretarialism "
- .342 Librarian and assistants
- May be divided like 267.341. See also Library administration, 025 and 267.3532
- .343 Physical director and assistants
- May be divided like 267.341. See also 267.355 and 613 7
- .344 Other salaried officers
- .345 Training; need and methods, demand and supply
- .346 Training schools
- .347 Training by apprenticeship
- .348 Institutes } Methods only; for reports see 267.39
- .349 Conferences }

DECIMAL CLASSIFICATION

- 267.35 Local work by departments**
- .351 Business department**
 - 1 Finance committee
 - 2 Annual budget
 - 3 Endowments and other sources of income
 - 4 Solicitation, collection and disbursement
 - 5 Financial bookkeeping
 - 6 Debt, taxes, etc.
 - 7 Records and statistics
 - 8 Advertizing, including anniversaries and parlor conferences
 - 9 Printed matter Including bulletin, prospectus, etc.
 - .352 Religious department**
 - 1 Committees
 - 2 Individual Bible study Methods and helps
 - 3 Bible classes
 - 4 Training classes Personal work
 - 5 Bible readings Song services
 - 6 Evangelistic meetings
 - 7 Social religious meetings
 - 8 Other meetings in the rooms
 - 9 Work outside the rooms
 - In public institutions, sermons to young men, distribution of religious papers, invitations, etc.
 - .353 Educational department**
 - 1 Committees
 - 2 Library See 267.342 and 025
 - 3 Reading room
 - 4 Classes
 - 5 Lectures and talks
 - 6 Literary societies
 - .354 Social department**
 - 1 Committees
 - 2 Reception committee
 - 3 Social rooms and fittings See 267.32
 - 4 Receptions Socials Entertainments
 - 5 Music
 - 6 Amusements Including games of skill See also 794.
 - .355 Physical department**
 - 1 Committees
 - 2 Aim and benefit of department
 - For Physical director see 267.343; Equipment, methods, etc. 613.7
 - .356 Information, relief, etc. department**
 - 1 Boarding house bureaus
 - 2 Employment bureau
 - 3 Savings bureau
 - 4 Visitation of sick
 - 5 Destitute young men
 - .357 Boys department**
 - 1 Committees
 - 2 Religious work
 - 3 Educational work
 - 4 Social work
 - 5 Physical work
 - 6 Information, relief, etc.
 - .358**
 - .359 Janitor's department: bilding; care, cleaning, safety Police**

RELIGION

- 267.36 **Work among special classes**
 Y. M. C. A. only; other religious societies of men go in 267.2
- .361 College and school
 1 History and methods in general
 2 International reports Including Northfield meetings
 3 International periodicals
 For state and sectional reports and periodicals see 267.39
- .362 Railroad employees
 1 History and methods in general
 2 International reports
- .363 Commercial travelers
- .364 Foren-speaking
 Divided like 400; e. g. 3 German, 4 French, 5 Italian, etc.
- .365 Negroes
- .366 American Indians
- .367 Soldiers U. S. Christian commission, 267.11
- .368 Sailors
- .369 Other Policemen, firemen, fishermen, lumbermen, mutes, etc.
- .39 **History, reports, periodicals, etc.** For methods see 267.314-319
- .391 International history
- .392 International reports, etc. } Reports, etc. of international college and
 1 Reports } railroad work go in 267.361-362
 2 Other pamphlets }
- .393 International periodicals International college periodicals, 267.3613
- .394-.399 Special countries Divided like 940-999
- .4 Religious societies of women**
- .41
- .42
- .43 19th century; interdenominational and undenominational
- .431
- .432 **Women's Christian associations**
 Divided like 267.3. To shorten the number, W may be used for 267.432
 thruout; e. g. W 1 would mean ' Objects, field and extension '
- .433 **King's daughters**
- .44 19th century; denominational Divided like 282-289
- .5 Young Women's Christian associations**
 Activ membership confined to members of ' evangelic ' churches
 Divided like 267.3-.399
 To shorten the number Y may be used for 267.5; e. g. Y3, Organisation, insted
 of 267.53
- .6 Religious societies of young people** For Sunday schools see 268
- .61 Interdenominational and undenominational
- .613 **Young people's society of Christian endeavor**
 1 Reports, etc.
 2 Periodicals
- .62 **Denominational** Divided like 282-289
- .7 Religious societies of boys** Not Y. M. C. A. Divided like 267.6
- .8 Religious societies of girls** Not Y. W. C. A. Divided like 267.6
- 268 Sunday schools
- 269 Revivals Retreats Parish missions .

270 Religious history

Ancient period: to conversion of Germans

See 281.1-281.4, for collected works of early theologic writers, etc. 270 is for religious history of these periods

For religious history of special countries, either general or for special periods, see country divisions, 274-279; e. g. English reformation, 274.2

- | | | | |
|-----|------------------------------------|--|----------------|
| .1 | Apostolic | Nativity to Constantine | |
| .2 | Period of ecumenic councils | Centralization | 325-787 |
| | | The Greek church acknowledges these 7 councils as really Ecumenic. Anglicans generally recognize only the first 6. See also 262.5 Polity | |
| .21 | First of Nice | A. D. 325 | |
| .22 | First of Constantinople | 381 | |
| .23 | First of Ephesus | 431 | |
| .24 | Chalcedon | 451 | |
| .25 | Second of Constantinople | 553 | |
| 26 | Third of Constantinople | 680-81 | |
| 27 | Second of Nice | 787 | |

Medieval period: Charlemagne to Luther

- | | | | |
|-------|-----------------------|--|------------------|
| 270.3 | Charlemagne | Papacy vs empire | 787-1054 |
| | | Church planted among the Germans. Feudalism. Great schism, east vs west, 1054 | |
| .4 | Hildebrand | Roman supremacy | 1054-1200 |
| | | Temporal power. Scholasticism. First 3 crusades | |
| .5 | Later medieval | Renaissance | 1200-1517 |
| | | Innocent 3. Papal schism. Avignon. Nominalism vs realism. Greek church under Moslems. Education. Arts. Inventions. Pre-reformation | |

Modern period: Reformation to present

- | | | | |
|----|----------------------------|---|------------------|
| .6 | Reformation | Counter reformation | 1517-1648 |
| | | Council of Trent, A. D. 1545-63. Diet of Augsburg. Luther. Melancthon. Calvin. Knox. Religious wars. Jesuit missions in east. See also reformation in England, etc. 274.2 | |
| .7 | Peace of Westphalia | to French revolution | 1648-1789 |
| | | Union of church and state. Deism. Materialism | |
| .8 | Modern | Rationalistic | 1789- |
| | | Holy alliance. Greek church in Russia. Atheism. Pantheism. Protestant missions | |

271 Monastic orders Monasteries

Including monasticism and monastic foundations

See also 255 Brotherhoods; 726.7 Architecture of monasteries, etc.

- | | | | |
|------|---------------------|----------------|-------------|
| .1 | Benedictines | founded | 529 |
| .12 | Cistercians | " | 1098 |
| .125 | Trappists | " | 1150 |
| .2 | Dominicans | " | 1170 |
| .3 | Franciscans | " | 1182 |
| .36 | Capuchins | " | 1525 |
| .4 | Augustinians | " | 1256 |
| .5 | Jesuits | " | 1540 |

RELIGION

- 271.6 **Passionists, 1720 Redemptorists, 1732**
- .7 **Lesser Roman orders**
- .71 Carthusians, founded A. D. 1086
- .73 Carmelites 12th century
- .75 Sulpicians, 1642
- .76 Oblates
- .77 Lazarists, 1624
- .78 Christian Brothers, 18th century De la Salle
- .79 Other lesser Roman orders
- .8 **Anglican brotherhoods**
- .9 **Sisterhoods**
- .91 Sisters of Charity Vincent de Paul founded A. D. 1629
- .92 Sisters of Mercy Augustinian " " 1831
- .93 Ladies of the Sacred Heart Jesuit " " 1800
- .94 Sœurs de bon Secours Nurses
- .95 Little Sisters of the Poor
- .96 Contemplativ Cloisterd nuns
- .97 Other Roman sisterhoods
- .971 Carmelites
- .972 Second of St Dominic
- .973 Franciscans
- .974 Ursulines A. D. 1537
- .975 Of the Visitation " 1610
- .976 Of St Joseph " 1650
- .977 Of the Presentation " 1777
- .98 Anglican sisterhoods
- .99 Other protestant orders Deaconesses (Kaiserwerth)
- 272 **Persecutions**
- See also special sects, 280; and history of special countries, 940-999
- .1 **Apostolic church by imperial Rome 1st-4th century**
- .2 **Heretics by Inquisition or Holy Offis Since 1470**
- .3 **Waldenses and Albigenses 11th-12th century**
By Roman church. See also 283.4, Protestant sects
- .4 **Huguenots French protestants**
By Roman church. St Bartholomew, 1572. Edict of Nantes, 1598; revocation, 1685
See also 284.5 Protestant sects
- .5 **Molinists and Quietists**
By Roman catholics. Close of 16th century to destruction of Port Royal, A. D. 1709. See also 273.7 Heresies
- .6 **Marian Anglican reformers by Mary A. D. 1553-58**
- .7 **Elizabethan Later 16th century**
Persecution of Roman church by Anglicans
- .8 **Quakers Baptists Witches Later 17th century**
Persecutions by puritans. See also 133.4 Witchcraft
- .9 **Other persecutions**

DECIMAL CLASSIFICATION

273 Heresies

For the history of special doctriⁿs see 230-239, Doctrinal theology

- .1 **Gnostic First 3 centuries**
Reaction of pantheism and heathen philosophy on Christianity. See also 189.1 Gnostic philosophy; 186.4 Neo-Platonism; 239.4 Apologetics
- .2 **Manichæism Parsee dualism 3d century**
Opposition of good and evil. Mystic. Ascetic. See also 149.3 Mysticism; 248 Asceticism; 289.8 Shakers, Mystics
- .3 **Sabellian**
That the Trinity is not of persons, but of successive manifestations. About 250 A. D. Held by Schleiermacher, Bushnell, Swedenborg
- .4 **Arian Denying divinity of Christ 4th century**
- .5 **Pelagian 5th century**
Denying original sin and supernatural grace
- .6 **Antinomian 16th century**
Denying force of law, under Gospel dispensation
- .7 **Molinist and Jansenist Pietists A. D. 1580-1700**
Port Royal. Augustine's doctrine of grace vs the Roman doctrine of good works
- .8 **Agnostic**
Denying possibility of revelation. Holding that theology and the supernatural lie outside the domain of human knowledge. See also 149.7 Philosophy; 211 Atheism; 239 Apologetics
- .9 **Minor heresies**

274-279 General religious history by countries

274-279 is divided geographically like 940-999

280 **Christian churches and sects**

281-289.8 may be subdivided where needed like 940-999

281 Primitiv and Oriental churches

See also 270.1-270.3, Early religious history

- .1 **Apostolic church, to time of great schism, A. D. 1054**
Works of apostolic and Christian fathers here; use 270 for religious history of these periods. See also 229.9 Apocryphal books
- .2 Primitiv apostolic, to end of first century
- .3 Ante-Nicene, A. D. 100-325 See also 270.1
- .4 Post-Nicene, A. D. 325-1054 See also 270.2-3
- .5 **Oriental churches**
- .6 Armenian
- .7 Coptic
- .8 Nestorian
- .9 **Eastern or Greco-Russian or Holy orthodox church**
The great schism, mutual excommunication, A. D. 1054, separates the Catholic church into Eastern and Western churches, which from this time have separate histories

282 Western or Roman catholic church

Divided geographically like 940-999

283 Anglican and American P. E. church

Divided geographically, when needed, like 940-999; e. g. the Anglican church in Australia is 283.94; in India, 283.54

RELIGION

284 Continental protestant sects Protestantism

- .1 **Lutheran Reformd** See also 285.7, Reformd church in America
German reformd church in United States
- .2 **Calvinist Zwinglian** See 285, and 286.1
- .3 **Hussites Anabaptists Leyden** See 286.1
- .4 **Albigenses Waldenses Vaudois** See 272.3
- .5 **Huguenots** See 272.4
- .6 **Moravian**
- .7 **Scandinavian Swedish**
- .8 **Old catholic**
Here are clast those denying papal infallibility, or for other cause cut off from Rome, tho catholic in other respects
- .9 **Other**

285 Presbyterian Reformd Congregational

Next 2 subdivisions are sectarian, not geografic

- .1 **Presbyterian church in America**
Subdivided geografcly; e. g. 285.173 Presbyterian church in United States,
285.175 Southern presbyterian church
- .2 **Presbyterian church in Great Britain**
- .3 **Cumberland presbyterian**
- .4 **United presbyterian**
- .5 **Reformd presbyterian**
- .6 **Minor presbyterian sects**
- .7 **Reformd (Dutch) church in America** e. g. 285.77471, in N. Y. city

.8 Congregational

.9 Puritanism

286 Baptist Immersionist

- .1 **Calvinistic or Regular**
Including Arminian or general baptists, rcunited with Calvinistic in 1891
- .2 **Free wil**
- .3 **Seventh day**
- .4 **Old school (Primitiv, Antimission or Hardshel)**
- .5 **Other baptist sects**
May be clast if preferd with any of the larger sects which they most closely resemble or of which they ar offshoots
- .6 **Disciples (Campbellite or Christian)**
- .7 **Adventists**
- .9 **Other immersionists**

- 287 **Methodist**
 - .1 **Wesleyan methodist**
 - .2 **Calvinistic methodist**
 - .3 **Welsh Calvinistic methodist**
 - .4 **Primitiv methodist**
 - .5 **Primitiv Wesleyan**
 - .6 **Methodist episcopal**
 - .7 **Methodist protestant**
 - .8 **African methodist**
 - .9 **Minor methodist sects**
- 288 **Unitarian** See also 273.4
- 289 **Other Christian sects**
 - .1 **Universalist**
 - .2
 - .3
 - .4 **New church or Swedenborgian**
 - .5 **Christian science**
 - .6 **Quaker Friends Hicksites**
 - .7 **Mennonite**
 - .8 **Shaker Mystic** For Mystic heresy see 273.2
 - .9 **Minor Christian sects**
- 290 **Ethnic and other religions**

Including comparativ religion and general histories of religion where an equal or minor place is given to Christianity

 - 291 **Comparativ and general mythology**
 - 292 **Greek and Roman mythology**
 - 293 **Teutonic and Northern mythology**
 - 294 **Brahmanism Buddhism**

For other Indic religions, see 299.11. See also 891.2 Sanskrit literature; 177.5 Caste
 - 295 **Parseeism Zend Avesta**

For other Iranic religions, see 299.15. See also 891.52 Zend literature
 - 296 **Judaism** For other Semitic religions, see 299.2
 - 297 **Mohammedanism**
 - 298 **Mormonism** See also 173.2 Polygamy
 - 299 **Minor nonchristian religions**

Subdivided ethnically like 491-499; e. g. Egyptian religion, 299.31; Afghani religion, 299.158

Sociology

300 Sociology in general

301-309 all have Sociology in general as their subject, but it is treated in these various forms. A periodical on Education is 370.5, not 305, which is only for periodicals on Sociology in general. In Sociology, most works in these forms are limited to one division; e. g. to Political economy, Education, Law, etc. All these have the same subdivision of General works; i. e. essays on the various divisions are 310.4, 320.4, 330.4, and so on to essays on Manners and Customs in general, 390.4. A naught in any class number shows the subject to be general, not specific

301 Philosophy, theories

See also 901 Philosophy of history; 320.1 Theory of state

302 Compendis, outlines

303 Dictionaries, cyclopedias, etc.

304 Essays, lectures, addresses

305 Periodicals, magazines, reviews

306 Societies: transactions, reports

307 Education: teaching, study, etc. See also 370

308 Polygraphy: collected works, extracts, etc.

Put here collected works of statesmen; e. g. works of Adams, Jefferson, etc.

309 History of social science

.1 Social surveys

Divided like 940-999 (Better class by general libraries in 914-919) ?

310 Statistics

311 Theory, methods Science of statistics

Principles of tabulation, graphic charts, etc. Methods of gathering data

312 Population (progress of) Vital statistics: births, deaths, mortality, longevity

See also 614.1 Registration and vital statistics

Statistics are divided geographically like 930-999; e. g. Population of Maine 312.741

313 Special topics (Not used)

314-319 General statistics Divided geographically like 940-999

The statistics of any special matter are put with the subject, e. g. of Domestic animals in 636, of Shorthand in 653, of French novels in 843, of Theaters in 792, etc. Statistics too general to be included in any topic are divided by countries. Statistics of New York city would be 317.471, but the statistics of Medicine in New York would be put with 610. Medicine; i. e. the topic outranks the locality

320 Political science

- .1 Theory**
- .11 Origin of the state**
- .12 Nation and territory**
- .121 Ethnographic**
 - People of same race comprise the nation
- .124 Geographic**
 - Unity of territory
- .126 Expansion Acquisition of territory**
 - 1 By discovery**
 - 3 " occupation and possession**
 - 5 " cession Annexation**
 - 7 " purchase or exchange**
 - 9 " conquest or revolution**
- .127 Alienation of territory**
- 128 Frontiers Boundaries**
 - 1 Natural boundaries**
 - 2 Mountains**
 - 4 Rivers**
 - 6 Lakes**
 - 8 Coast**
 - 9 Artificial boundaries**
- .15 Nature, entity, concept of the state**
- .151 Juridic theory**
- .152 Political theory**
- .153 Social and evolutionary theories**
- .154 The state as a moral organism**
- .157 Sovereignty**
 - See also 341 International law
- .158 Allegiance Loyalty, etc. Patriotism**
 - See also state ethics 172.1 Duties of citizens
- .159 National growth and decay**
- .18 Symbolism, emblems: arms, flag, seal, etc.**
 - Better class in 929.8 and 929.9
- .2 Compendis, statecraft**
- .3 Dictionaries**
- .4 Essays**
- .5 Periodicals**
- .6 Societies**
- .7 Education**
- .8 Polygraphy**
- .9 History of political science, divided like 930-999**

321 Form of state

- .01 Simple state Sovereign state**
- .02 Mixt state**
- .021 Federal state Bundestaat Federation**
- .022 Confederation of states Staatenbund**
 - Union of sovereign states Alliance
- .023 Suzerain states**
- .025 Semisovereign, dependent and vassal states**
- .026 Mediatized state**
- .027 Protected state**
 - Protectorates, spheres of influence
- .028 Vassal states**
- .03 Empire, imperialism**
- .04 World state**
- .041 Internationalism**

POLITICAL SCIENCE

- 321.07 **Ideal state Utopias**
 See also 335 Communism and socialism
- .09 **Change of form of state**
- .092 **Revolution**
- .094 **Coups d'état**
- .1 **Family Patriarchal age**
- .2 **Tribes Clans Marks Village communities**
 See also 333.2 Community ownership of land
- .3 **Feudalism**
- .4 **Democracy** Pure; e. g. Athens, town meeting
- .5 **Aristocracy** e. g. Italian republic; medieval German cities
- .6 **Absolute monarchy**
- .7 **Constitutional monarchy**
- .8 **Republic** Modern democracy, delegated powers
- 322 **Church and state** See also 172.3, State ethics; 261.7, The church
 Political aspects of combination or separation of state and church affairs
- 323 **Internal relations with groups and individuals**
- .1 **Movement and questions of nationalities, races and languages**
 Divided by country like 930-999; e. g. struggle of nationalities in Austria 323.1436
 For immigrant nationalities in a country see 325
- .2 **Political struggles and troubles**
 Revolutions, revolts; riots, uprisings. See also 321.09
- .3 **The state and social groups**
 Classes, orders, estates
- .31 **Nobility, aristocracy; welthy class**
- .32 **Middle class, bourgeoisie**
- .33 **Proletariat, laboring classes, pesantry**
 See also political economy, 331.8 Laboring classes
- .34 **Serfs Villenage** See 326.3 Serfs and serfdom
- .4 **The state and the individual**
 Natural rights, individual rights, individualism
- .41 **Equality of individuals, races, etc.**
- .42 **Equality before the law; justis, etc.**
- .43 **Life**
- .44 **Liberty**
- .441 **Freedom of action**
- .442 " " **conscience**
- .443 " " **speech**
- .444 **Academic freedom** See 378.121 Freedom of teaching
- .445 **Freedom of the press**
 See also Journalism 070.13; Administration 351.751
- .446 **Freedom of drama**
- .447 " " **art**
- .45 **Family**
- .46 **Property**

DECIMAL CLASSIFICATION

- 323.47 Right of assembly, association
- .48 Right of petition
- .49 Limitation and suspension of individual rights and guaranties
- .491 Martial law
- .492 State of siege
- .6 **Citizenship**
- .61 Laws Divided by country like 930-999
- .62 Naturalization
- .63 Alien races and citizenship
- .64 Loss and restoration of citizenship
- .65 Duties and obligations of citizens
Scholar as citizen
- .67 Rights of aliens
- .68 Eligibility to offis
- 324 **Suffrage**
- .1 **Qualifications, conditions and bases**
- .11 Age
For sex see 324.3 Woman suffrage
- .13 Property
Household suffrage
- .14 Education Competency Capacity
- .15 Nationality Race Religion
- .16 Residence, domicil
Length of residence
- .162 Voting by soldiers
- .164 " " students
- .17 Exclusion from and suspension of suffrage
- .171 Incompetency, incapacity
Insane, idiots See also 324.14
- 172 Bankruptcy
- 173 Pauperism
- 174 Conviction of crime; bribery, selling vote
- 177 Government servis
Military servis: soldiers and sailors
Civil servis, police officers
- .178 Other special classes
Students, domestic servants, etc.
- .2 **Forms of suffrage Systems Voting, etc.**
- .21 Electoral systems
- .211 Universal suffrage
- .212 Partial suffrage, limited
- .213 Plural vote
- .214 Class vote, class system
- .215 Compulsory voting
- .216 Short ballot
Aiming to reduce number of electiv offises

POLITICAL SCIENCE

- 324.22 Constituencies and representation of interests
- .221 Single member constituency
Scrutin d'arrondissement
- .222 Multimember constituency
Scrutin de liste, block vote, general ticket
- .223 Minority representation
Single vote, limited vote, cumulativ vote, proxy system
- .224 Proportional representation
Preferential: alternativ, contingent, transferable vote. Quota: simple.
Droop, d'Hondt, substitute or Gove method. Graduated system List
system. For second ballot see 324.248
- .227 Economic and social groups
- .23 Selection of candidates
Declaration and presentation of candidacy
- .231 Nomination of candidate
- .233 Party organization Conferences
- .235 Caucus primary
- .237 Direct "
- .239 Platform
- .24 Voting procedure
- .241 Electoral lists: formation, revision
- .242 Registration system
Poll lists and tally sheets
- .243 Jurisdiction Examination of credentials
Appeal, petition
- .244 Open voting
- .245 Secret ballot
- .246 Voting place
- .247 Absent voting Voting by mail
Traveling salesmen, railway employees, mail clerks, etc.
- .248 Second ballot
- .249 Indirect voting Electoral college
- .25 Ballot
- .251 Unofficial
- .252 Official
- .253 Party ballots
- .254 Blanket ballots
- .255 Party columa
- .256 Offis groups Australian ballot
- .257
- .258 Voting machines
- .26 Results and announcements
Inspectors of election, meeting, etc.
- .261 Count of ballot
- .262 Majority elects Absolute majority
- .263 Plurality " Relativ majority
- .268 Announcement of vote

DECIMAL CLASSIFICATION

- 324.27 Corruption Electoral fraud
 - .271 Bribery and undue influence: intimidation, selling votes
 - .272 Fraud in voting: personation, repeating, illegal voting, colonizing
 - .273 Election contributions and expenditures
 - Limitations on expenditures; publicity. Restriction on contributions political assessments
 - .274
 - .275 Fraud in counting
 - Miscount of ballots; certification of false returns
 - .276
 - .277 Election contests
 - 28 Suffrage reform
 - .3 Woman suffrage
 - .4-9 Suffrage by country
 - Divided like 940-999
- 325 Colonies and immigration
 - .1 Immigrants See also 323.6 Citizenship
 - .2 Emigrants
 - Divided by country of origin like 930-999. This brings together material on emigrants of a special country or race; e. g. Chinese emigrants 325.251. Material on emigrants is usually most important in respect to country of origin, so is best classed in 325.2. Most libraries will have little except on immigrants to their own country, hence in United States 325.2 will relate almost wholly to specific nationalities in United States; e. g. 325.26 Negro question
 - .3 Colonization
 - Divided by mother country like 930-999; e. g. 325.342 British colonies. This brings together colonies planted by a special country, but does not specify location of colony
 - .4-9 In special countries
 - Both immigration and colonization divided like 940-999, by country of settlement; e. g. 325.73 Foren population of United States; Americanization. See note to 325.2 for a given nationality
- 326 Slavery See also 973.7 Civil war; 371.974 Education of freedmen
 - .1 Slave trade
 - .2 Coolies and contract slaves
 - .3 Serfs and serfdom
 - .4 Antislavery documents
 - .5 " periodicals
 - .6 " societies
 - .7 Proslavery
 - .8 Emancipation and freedom
 - .9 History of slavery Divided geographically like 930-999
 - .92 Biograpy of slaves
- 327 Foren relations Divided geographically like 930-999
- 328 Legislation, lawmaking
 - Legislativ bodies and annals
 - .1 Parliamentary law

POLITICAL SCIENCE

328.2

Legislation

- .21 Interpretation of law
- .22 Uniform laws
 - Uniformity of law on same subject in different states or countries
- .23 Codification
- .24 Policy Tendencies
- .241 Overlegislation
- .243 Special legislation For private and local bills see 328.378
- .25 Legislativ powers
 - .251 Juridic "
 - .252 Executiv "
 - .253 Implied "
- .256 Restrictions and checks on legislation See also 328.349
- .26 Direct legislation
- .261 Initiativ
 - Voters by petition originate legislation
- .264 Referendum
- .27-.29 Subjects of legislativ action Divided like 351.7-351.9

.3 Legislatures

Summary

328.3 Legislatures

- .31 Upper house
- .32 Lower "
- .33 Membership Election
- .34 Prerogativs and powers
- .35 Sessions
- .36 Internal organization and disciplin
- .37 Legislativ procedure
- .39 Form of legislature
- .31 Upper house
- .32 Lower "
- .33 Membership Election
- .331 Conditions of membership, eligibility
 - Age, residence, property Membership without voting power
- .332 Exofficio members
 - 1 Cabinet and government offisers
 - 2 Expresidents
 - 3 Other exoffisers
 - 4 Clergy, bishops
- .333 Compensation
 - Annual salaries, per diem payment. Milage, traveling expenses. Special sessions. See also 328.347 Privileges
- .334 Representation
 - 1 of states
 - 2 territories
 - 3 colonies and dependencies
 - 4 classes
 - Universities, landowners, Irish and Scotch peers
 - 5 of election districts Apportionment
 - Equalization of representation; unfair apportionment; " rotten boros; reapportionment
 - 6 Gerrymandering
 - 9 Number of members

DECIMAL CLASSIFICATION

- 328.335 **Methods of appointment Election**
- 1 **Appointment by government or crown**
 For life or for a term
- 2 **Hereditary right**
- 3
- 4
- 5 **Election by direct vote: plurality or majority**
- 6 **Length of term**
 Entire or partial renewal of membership; holdover member
- 7 **Vacancies, resignations**
 Method of filling vacancies; special elections
- 8 **Contested elections**
- .338 Official membership lists, directories
- .339 Unofficial lists or directories
- .34 Prerogatives and powers **Restrictions**
- .341 Power over revenue and appropriation
- .342 " to judge of elections
- .343 " over members
 Power to investigate or punish members
- .344 Power of expulsion
- .345 " over government officers
 Power of investigation for impeachment, see 351.96-.99
 • to imprison citizens
- .346 Treatymaking power
- .347 Privileges
 Franking privilege, postage and stationery: railroad passes; free distribution
 of books
- .348 Immunities
 From arrest
- .349 Restriction
 Offsholding Instructions by electors
 Direct mandate See also 328.26 Direct legislation
- .35 Sessions
- .351 Method of summoning
 Parliamentary writ
- .352 Date of session
 Fixt or movable
- .353 Frequency of sessions
 Annual, biennial, quadrennial
- .354 Length of session Life of legislature
- .355 Recess
- .356 Adjournment Prorogation Dissolution
- .357 Executiv session: procedure
- .358 Special session Extra session

POLITICAL SCIENCE

- 328.36 Internal organization and disciplin
 - Verification of powers, credentials
 - .361 Oath of offis
 - .362 Offisers: appointment, election
 - 1 **Presiding offiser, speaker**
 - 2 **President protem**
 - 3 **Secretaries, clerks**
 - Bill clerk Enrolling, engrossing clerks
 - 4 **Sergeant at arms**
 - 5 **Pages, messengers, door keepers**
 - 6 **Payment of employees: gratuities, fees, extra pay**
 - Unnecessary attendants
 - 7 **Committees**
 - Standing, special, joint
 - 8 **Special commissions**
 - For investigation, not administrativ commissions
 - .363 Records
 - .364 Supplies: daily papers, postage stamps
 - Telegraf and telephone bills
 - .365
 - .366 Disciplin: suspension, investigation
 - .367 Bribery Illegal practises
 - Graft bills, blackmail
 - .368 Lobbying
 - Including that by heds of depts and institutions
 - .37 Legislativ procedure
 - .371 Rules, manuals
 - See 8 under 328.4-.9 divided by country
 - .372 Petition, addresses
 - Parliamentary inquiries, commissions
 - Recommendations from executiv
 - .373 Bills
 - Technic: bill drafting, introduction
 - Printing, enrolling, engrossing
 - .374 **Action by legislature before passage**
 - 1 Readings: 1st, 2d
 - 2 Reference to committees
 - Committee work or procedure: investigation, hearings, conferences
 - 3 3d reading
 - 4 Contest over passage
 - 5 Party caucuses, logrolling
 - .375 **Final passage**
 - Rules committee, 'lifting' committee, 'steering' committee
 - Vote: viva voce, by roll call; by ballot; obligation of voting in person, pairing
 - Required majority. Veto, see 353.03
 - Passing over veto. Bills left in hands of executiv: 30 day bills, pocket veto
 - Bills which become law without executiv action
 - .376 **Special bills**
 - Financial, omnibus riders
 - .377 Joint resolutions
 - .378 Local and private legislation
 - .379 Procedure in special cases
 - 1 **Impeachment**

DECIMAL CLASSIFICATION

- 328.39 Form of legislature
 - .391 One chamber
 - .392 Two chambers
 - See also 328.31 Upper chamber; 328.32 Lower chamber
 - .393 Other forms
 - .394 Reform
 - .395 Abolition
- .4-9 **Of special countries**

Divided by countries like 940-999, and under each, works may be divided:

1 Journals 3 Abstracts 5 Rules 9 History of bodies
2 Debates 4 Documents 8 Legislative manuals

329 Political parties Party conventions

329.01 U. S. presidential campaign documents of all parties, arranged by campaigns

- .1 **Federal**
- .2 **Anti-Federal**
- .3 **Democratic**
- .4 **Whig**
- .5 **American Know-nothing**
- .6 **Republican**
- .7

.8 Minor parties

.81 Prohibition, see also 178.5 Ethics; .82 Greenback, see also 332.5, Paper money;
.83 Woman suffrage, see also 324.3 Woman suffrage; .84 People's; .85 Labor
see also 331.8 Laboring classes

- .9 **Parties in other countries** Divided geographically like 940-999

ECONOMICS

330 Economics Political economy

- .1 **Theory**
- .11 **General conception Nature and character**
 - Definition Limits and extent
- .12 **Classification Divisions**
- .13 **Importance Utility**
- .14 **Language, terminology, symbols, abbreviations**
- .15 **Scientific systems**
- .151 **Mercantil system**
- .152 **Physiocrats**
- .153 **Laissez faire**
- .154 **Historic school**
- .19 **Relations to other classes**
 - Divided like the Classification
 - to ethics
 - " politics
 - " literature
- .1917
- .1932
- .198
- .2 **Compends**
- .3 **Dictionaries**
- .4 **Essays**
- .5 **Periodicals**
- .6 **Societies**
- .7 **Study and teaching**
- .8 **Polygraphy**
- .9 **History**
- .90 **By periods**
- .901 **Primitiv** -476 A. D.
- .902 **Medieval** 476-1500 A. D.
- .903 **Modern** 1501-1900 A. D.
- .904 **20th century**
- .92 **Biografy**
- Preferably clast in 923.3
- .93-.99 **History. divided by country like 930-999**

331 Labor and laborers Employers Capital

- .01 **Theory**
- .011 **Freedom of labor**
- .012
- .013 **Importance, utility, dignity of labor**
- .015 **Psychology of labor**
 - See 150 Psychology
- .02 **Compends**
- .03 **Dictionaries**
- .04 **Essays, addresses**
- .05 **Periodicals**
- .06 **Societies, bureaus, etc.**
- .061 **Government departments, bureaus**
- .062
- .07 **Education Exhibitions**
 - See also 371.42, 607, and education in special subjects
- .08 **Collected works**
- .09 **History**

DECIMAL CLASSIFICATION

- 331.1 **Relations of capital to labor**
Industrial arbitration. Disciplin: deductions, stoppage, fines
- .2 **Remuneration for work**
Wages, hire, pay, salary, fees
- .21 **General**
- .211 Statistical theory
- .212 Wage fund
- .213 Relation of wages to production
- .214 " " " " cost of living Living wage
- .215 Minimum wage
- .22 Wage scales: scale contracts, sliding scale
- .225 Extra pay
Extra wages, efficiency bonus, subsidies, bounties; progressiv wage For
deductions, stoppage, fines, etc. see 331.1
- .23 Bases of wages and methods of payment
- .231 By work done
Job, task, piece. For farming out, sweting system, see 331.236
- .232 By time: hour, day, week, month, year
- .235 Methods of payment
Truck system, store orders, shares, payment in kind
- .236 Intervention of middleman
Subcontract, sweting system, commissions
- .238 Payment by other than employer: fees, tips, etc.
- .24 Profitsharing
- .25 Pensions Insurance
Old age, sickness, accident
- .26 State and wages
- .261 Legislation Laws
- .262 Wages for state labor
- .27 Professional remuneration
- .28 Wages divided by trade
- .29 " " " country
- .3 **Labor of children** See also 179.2 Cruelty to children
- .4 **Labor of women** See also 396.5 Woman
- .5 **Work at reduced wages**
- .51 Prisons Convict labor
See also 365 Prisons
- .52
- .53 Convents Ouvroirs (workshops)
Ouvroirs are charity workshops paying beneficiaries nominal wages and market-
ing products at prices so small as to lower wages of selfsupporting workers
- .54 Contract labor
- .55 Apprentis labor
See also 331.86 Training, apprenticeship
- .56 Peonage
- .57 Compulsory labor Corvée
- .58 Slave labor
See also 326 Slavery
- .6 **Pauper labor Cheap foren labor Chinese**
See also 339 Pauperism; 362.5 Asylums

ECONOMICS

331.7 Skild and unskild labor

.8 Laboring classes

- .81 Duration of work Rest
- .811 Length of day
8-hour day, 10-hour day, etc. Shifts of work
- .812 Night work
- .813 Sunday work
- .814 Overtime Supplementary hours
- .815
- .816 Vacation Leave of absence
- .817 Holidays
Weekly rest, Sundays, labor festivals, May 1, festivals of patron saints
- .818 In special trades
- .819 " " countries
- .82 Places of labor Dangers
See also 613.6 Hygiene; 622.8 Mining; 614.8 Protection of life
- .83 Food Clothes Shelter See also 640 Domestic economy
- .84 Morals and habits: thrift, temperance, amusements, temptations
See also 170 Ethics; 790 Amusements; 263.6 Sunday
- .85 Helps: lectures, libraries, reading rooms, etc.
Social settlements See also 374.5 Home education; 020 Libraries; 263.7 Sunday
- .86 Training Apprentisship
- .87 Organization of labor
- .88 Trade unions and other labor societies
See also 338.6 Gilds
- .89 Strikes
Combinations of workmen. Retaliation by employers
- .891 Attacks on freedom of work
Picketing; methods of intimidation; scabs
- .892 Sympathetic strikes
- .893 Boycotting
- .894 Blacklisting Laying under interdict
- .895 Lockouts

332 Private finance

.1 Banks and banking

- See also 334.2 Cooperativ banks
- .11 National Federal reserv
- .12 State
- .13 Private
- .14 Trust companies
- .15 Foren
- .2 Savings banks
Postal savings banks. See also 383

DECIMAL CLASSIFICATION

- 332.3 Loan institutes and special loans
 - .31 Credit institutes
 - .311 Agricultural banks and credits
 - See also 631.16
 - .312 Manufacturers credits
 - .313 Loans on chattel mortgages
 - .314 " " salaries
 - .315 " " wages
 - .32 Bilding associations See 334.1 Cooperation
 - .33 Monts de piété Governmental
 - .34 Pawn shops Private
 - .4 Money Coins and coinage
 - .41 Coinage metals: production and value: gold, silver, nickel, copper
 - .42 Single and double standard
 - .43 International standards
 - .44 Monetary congresses
 - .45 Comparativ value of moneys
 - .46 Mints
 - .47 Coinage laws
 - .48
 - .49 In special countries Divided geograficly like 940-999
 - History, reports and laws
 - .5 Paper money Public and private notes See also 329.82
 - .6 Stocks and stock exchanges Bonds
 - .7 Credit Credit system
 - .8 Interest and usury See also 336.31 Public securities
 - .9 Counterfiting Forging See 343 Criminal law
- 333 Land: ownership, rights, and rent Conservation
 - Conservation of natural resources
 - For other relations see Land in Relativ index following Tables
 - Special countries, divided like 930-999
 - .09
 - .1 State ownership
 - .2 Community ownership
 - See also 321.2 Village communities
 - .3 Private ownership
 - .4 Absentee owners Alien owners
 - .5 Rent of land for cultivation
 - Class here general works on rent
 - .6 Rent of land for bilding
 - .7 Special classes of land: forests, pasture, waste
 - .8 Mines
 - .9 Water rights: litoral, riparian, irrigation

ECONOMICS

334 Cooperation

- .1 **Bilding societies: loans, organization** See also 332.32
- .2 **Cooperativ banks** See also 332 Banks
- .3 " **insurance societies** See also 368 Insurance
- .4 " **housekeeping** See also 647.93 Domestic economy
- .5 " **consumptiv associations** Stores
- .6 " **productiv associations** Factories
- .7 **Friendly societies**
- .8 **Burial societies**

335 Socialism and communism

See also 334 Cooperation
.01 Theory of property

- .1 **English socialism**
- .2 **Saint Simonism**
- .3 **Fourierism**
- .4 **Communism**
- .5 **German socialism** Social democracy
- .6 **State socialism** Socialism of the chair
Professorial socialism
- .7 **Christian socialism**
- .8
- .9 **Socialist communities**
Divided by countries like 930-999

336 Public finance

Federal and state. For local finances see 352.1

- .1 **State domain and properties**
- .11 **Management and income from rents**
- .12 **Sale**
- .13 **Land claims**
- .14 **Land grants to railroads, colleges, etc.**
See also 379.123 Education
- .19 **State monopolies**
e. g. French state monopoly of tobacco trade. See also 338.8 Monopolies
- .2 **Taxation**
- .21 **Direct**
- .22 **Real estate**
- .23 **Personal property**
- .24 **Income**
- .25 **Poll**
- .26 **Customs: specific or ad valorem**
Regulations. Schedules of duties. See also 337 Protection
- .27 **Excise, licenses, special taxes**
Liquor, dog, legacies, stamp duties
For other relations see License in Relativ index following Tables
- .28 **Local taxes** See also 379.13 School funds
- .29 **Assessment and collection of taxes** Exemptions

DECIMAL CLASSIFICATION

- 336.3 **Loans Public securities**
 - .31 Interest-bearing securities *See also 332.8 Interest*
 - .32 Floating det
 - .33 Sinking fund
 - .34 Public credit
 - .35 Annuities
 - .36 Repudiation
- .4-.9 **Finance of special countries** *Divided geograficly like 940-999*
- 337 **Protection and free trade**
 - See also 336.26 Customs*
 - .1 **Absolute free trade No tariff**
 - .2 **Free trade: i. e. tarif for revenue only**
 - .3 **Protection**
 - Class in 337.2 discussions or histories which are arguments for free trade*
 - When doubtful prefer 337.3, the general number for discussions*
 - .4 **Subsidies**
 - .5 **Duties on special articles: steel, wool, etc.**
 - .6 " " **raw materials**
 - .7 " " **books and works of art**
 - .8 **Duty free importation for colleges, etc.**
 - See also 021.861 Libraries*
 - .9 **Reciprocity**
- 338 **Production Manufacture Prices**
 - .1 **Agricultural products**
 - .2 **Mining products** *See also 332.41 Coinage metals*
 - .3 **Water** " **Fish, ice, etc.**
 - .4 **Manufactured products Machinery in industry**
 - .5 **Prices**
 - .6 **Gilds** *See also 331.88 Trades unions*
 - .7 **Corporate industries**
 - .8 **Monopolies Trusts** *See also 336.19 State monopolies*
 - .9 **Industrial legislation** *Divided geograficly like 940-999*
- 339 **Consumption of welth Pauperism**
 - Conservation; restrictions on use or waste of materials, including general works covering natural resources*
 - See also Pauper, Pauperism, Welth, in Relativ index following Tables*
- 340 **Law**
 - General works** *Most periodicals belong in Private law, 347.05*
 - .1 **Philosofy Theories Law of nature**
 - .3 **Antiquities: torture, trial by ordeal, duel, etc.**
 - .4 **Trial by jury**
 - .5 **Comparativ legislation**
 - .6 **Medical jurisprudence** *See also 614.23 Expert testimony*
 - .7 **Education Law school Offis training**
 - .8 **Polygrafy Collections**
 - .9 **Legal anecdotes and miscellany**

Public law

- 341 International law**
 .01 Philosophy; .02 Compendis, etc. like 300
- .1 International congresses**
 Of diplomatic agents for settling international relations; Hague tribunal, League of Nations. Congresses on special topics go with their subjects; e. g. 332.44 on Coinage
- .2 Treaties: texts and history**
 Class with most important country, dividing like 940-999
- .3 Law of war Captives Neutrals**
- .4 International criminal law**
- .5 International private law**
- .6 Arbitration**
- .7 Diplomacy (legal side) general = 327**
- .8 Consular systems**
- 342 Constitutional law and history**
 Divided by countries like 930-999. Under each, works may be divided: 1 Texts of constitution; 2 Conventions; 3 Systems, commentaries; 4 Essays; 8 Polygraphy; 9 History
 For Administrative law, see 350
- 343 Criminal law**
- .1 Criminal trials**
- .2 Punishments**
 Corporal. Death penalty. Hard labor. Confinement
- .3-.9 Of special countries** Divided by countries like 930-999
 Under each country, works may be divided: 1 Penal codes; 2 Reports; 3 Criminal procedure; 4 Text books and manuals
- 344 Martial law**
- ## Private law
- 345 United States statutes and cases**
 Divide each of the sections .1-5, using 1 U. S.; 2 Individual states arranged alphabetically: e. g. Statutes at large of U. S. 345.11; Acts and resolves of Mass. 345.12
- .1 Session laws**
- .2 Codes Revised statutes**
- .3 Law digests (of statutes)**
- .4 Reports**
 Use .4 U. S. supreme court; .41 U. S. circuit and district courts; .415 Periodical collections of various states; e. g. Eastern Reporter, etc; .42 Reports of individual states
- .5 Digests of cases**

DECIMAL CLASSIFICATION

346 British statutes and cases

Divided like 345. Includes all reports in English language except U. S. reports

347 Treatises American and English private law

.01 Philosophy .02 Compenda .03 Dictionaries .04 Essays .05 Periodicals
.06 Societies, bar associations .08 Polygraphy .09 History

Put law of special topics with the subject; e. g. Insurance law, 368. The divisions .1-8 may be disregarded and all English law textbooks arranged in one alphabet by authors. An elaborate division, similar to Medicina, will be published after farther revision

- .1 **Persons** **Legal capacity**
- .2 **Realty**
- .3 **Chattels** **Movables**
- .4 **Contracts**
- .5 **Torts**
- .6 **Family law and inheritance**
- .7 **Commercial and maritime**
- .8 **Equity**
- .9 **Civil trials** **Procedure**
- .91 Civil trials
- .92 Pleading
- .93 Forms
- .94 Evidence Testimony in general not limited to civil trials
- .95 Remedies
- .96 Justises of the peace Notaries Sheriff
- .97 Organization of courts
- .98 Jurisdictions
- .99 History of special courts

348 Canon law

349 Foren law

Divided like 930-999, and under each modern state divided like 345 with decimals .71 — .79 used for Treatises like 347; e. g. 349-4475 is French law of torts, 349-448 is French code. Roman law is divided:

- .37 **Roman law**
- .01 Philosophy .02 Compenda .03 Dictionaries .04 Essays .05 Periodicals
.06 Societies .07 Education .08 Polygraphy .09 History
- .371 Sources: Ante-Justinian
- .372 “ Justinian
- .373 History and criticism of sources
- .374 Institutes: ancient Roman law
- .375 Pandects: modern “ “
- .377 Treatises on special topics
- Divided like 347

350 Administration

Including Military science. .1 Theory; .2 Compendis; .3 Dictionaries; .4 Essays; .5 Periodicals; .6 Societies; .7 Education; .8 Polygraphy; .9 History

A large number of the questions properly placed under Administration are classed with related topics elsewhere. Some of these are repeated here, both to show the scope of the subject 'Administration' and to provide for cross references by those specially interested. See also 342 Constitutional law and history

351 Administration of central government

- .1 Organization of civil servis**
 - Officers Method of selection: election or appointment Official functions and powers Mutual relations
- .2 Civil lists**
- .3 Examination**
- .4 Tenure of offis Disciplin** See 351.92 Power of removal
- .5 Pensions**
- .6 Reform Spoils system vs offsholding class**
- .7 Subjects of administrativ action**
 - See also 353 United States; 354 Foren states
- .71 Financial administration**
 - See 336 Public finance, public property, taxation
- .72 Budget Public accounts**
- .73 Internal affairs** See also 323 Domestic relations
- .74 Police mesures**
- .75 Public safety and order** See also 352.2 Police; 365 Prisons, etc.
 - .751 Press**
 - .752 Reunion and association**
 - .753 Wepons**
- .76 Vice and good manners**
 - .761 Liquor regulation** See 178 Temperance
 - .762 Public gaming** See 174.6 Ethics
 - .763 Public begging** See 339 Pauperism
 - .764 Prostitution** See 176.5 Ethics
- .77 Sanitary police**
 - See 352.4 Boards of helth; 614 Public helth, etc.
- .78 Accidents** See 614.8 Public helth
- .781 Bildings** See 614.85
- .782 Fires** See 614.84

DECIMAL CLASSIFICATION

- 351.8 Promotion of public welfare
 .81 **Means of communication**
 See 380 Commerce, communication
 .811 Highways See 386; 352.7 Local government
 .812 Railways See 385
 .813 Waterways See 386; 387
 .814 Ferries
 .815 Bridges See 352.7 Local government
 .816 Postoffs See 383
 .817 Telegrafs See 384
 .82 **Trade and industry**
 .821 Weights and mesures See 389 Commerce
 .822 Coinage and money See 332 Banks, money
 .823 Landed industry
 Agriculture See 630 Useful arts; 338.1 Production
 Forests See 634.9 Agriculture; 333.7 Land
 Mines See 622 Mining; 338.2 Production; 333.8 Land
 .824 Commercial and manufacturing industry
 See 380 Commerce; 338 Production
 .825 Institutions of credit See 332 Banks, credit
 Savings banks See 332.2
 Mutual benefit societies See 334 Cooperation
 Insurance See 368; 334.3 Cooperativ insurance
 Monts de piété See 332.33
 .83 **Labor** See 331 Capital, Labor, Wages
 .84 **Public charity**
 See 339 Pauperism; 360 Associations and Institutions
 .85 **Education and worship**
 .851 Public education See 379 Education
 .852 Public libraries See 027.4 Library economy
 .853 Art museums See 708 Art
 .857 Worship See 322 Church and state
 Military and naval See 355-359 Army and Navy
 Justis See 340 Law
 Foren affairs See 341 International law; 327 Political science
 .9 **Control over the administration**
 .91 Administrativ control By superior officers
 .92 Disciplinary power
 Power of removal. See also 351.4 Tenure of offis
 .93 Supervision
 Power to annul or amend specific acts
 .94 Judicial control
 .941 **Ordinary courts** See 347.5 Law of torts
 .945 **Criminal courts** See 343 Criminal law
 .95 Administrativ courts
 .96 Parliamentary control
 .97 Petitions and addresses
 .98 Investigations
 .99 Impeachment

ADMINISTRATION

352 Local government: county, town, city

See also 379 Public schools; 020 Libraries

General questions of municipal administration

- .001 Growth and importance of cities
- .002 Cities and state control
- .003 City as a juristic person, a corporation
See also 347.1 Law of corporations
- .004 City organization, municipal elections
- .005 Municipal civil servis
- .008 Forms of administration
Commission, manager etc.

Local administration of special countries and cities

.03-.09 divided by countries like 930-999

.042 **Local government in England**

Arrange matter relating to special cities alfabetically by name of city and subdivide the remaining works as follows:

- 1 County
- 2 Municipal boro
- 3 Parish
- 4 Union See 339 Pauperism
- 5 Sanitary districts See 614 Public helth
- 6 School districts See 379 Education
- 7 Highway areas See 352.7

.043 **Local government in Germany** Special cities like 352.042

- 1 Province: landtag, provincial committee, director
- 2
- 3 Circle Circle diet Circle committee Landrat
- 4 Commune
- 5 Towns
- 6 Township

.044 **Local government in France** Special cities like 352.042

- 1 Department
- 2 General council
- 3 Departmental commission
- 4 Prefect
- 5 Arrondissement
- 6 Commune
- 7 Mayor
- 8 Municipal council

.1 **Finances: city property and local taxation**

See also 336 Public finance

.2 **Police**

.3 **Fire department** See also 621.68 Fire engines; 614.84 Fires

.4 **Public helth: board of helth** See also 614 Medicin

.5 **Public bildings and works**

.6 **Water and sewerage works** See also 628 Sanitary engineering

.7 **Streets Highways Bridges Parks**

See also these topics in Relativ index for other relations

.8 **Licenses: hack, huckster, entertainment, etc.**

.9 **Other topics**

353 United States and state government

Operation of government, except legislative branch. For U. S. congress and state legislatures see 328.73--798, where also are department reports in sets of congressional and state documents. Class separates of such reports with their subjects or with their respective departments in 353.1--97988 when they have no definite place elsewhere in the classification; but report of bureau of education 379.73, of agriculture dept 630.6

See also 342.73 Constitutional law and history

- .01 Administrativ centralization
- .02 Separation of powers
- .03 President
- .04 Departments
- .05 Cabinet
- .1 State department (annual reports, etc.)
- .2 Treasury department
 - Laws and rules governing treasury; but class reports 336.73 U. S. finance
- .3 Interior department
- .4 Postoffice department
 - See 383 Postal service
- .5 Judiciary department
- .6 War department
 - See also 355 Army; military science
- .7 Navy department
 - See also 359 Navy; naval science
- .8 Other departments
- .9 State government Divided like 974-979

Apply same decimals for state and foreign governments. For departments not here specified use .8 and .9 and any of above numbers left blank; e. g. for a state having no navy, .7 is free for some local use. Judiciary dept of D. C. 353.97535. 353.9 includes history of regiments, unless covering a particular period of national history; e. g. the "history of the N. Y. 7th regiment in the civil war" is attracted to 973.74, but a general history of the same regiment is 353.97476

354 Organization of central government Foreign states

See also 342 Constitutional law and history

Divided geographically by countries like 930-999. Under each country the U. S. divisions, 1 State, 2 Treasury, etc. may be used; e. g. State department of Great Britain, 354.421. Add also the following divisions:

- .42 Administration of England Central government
 - 01 Administrativ centralization
 - 02 Separation of powers
 - 03 Monarch
 - 04 Privy council
 - 05 Cabinet
- .43 Administration of Germany Central government
 - 01 Administrativ centralization
 - 02 Separation of powers
 - 03 Empire
 - 04 Bundesrat
 - 05 Emperor
 - 06 Ministry
 - 07 States Monarchs
 - 08 Landtag Ministers Council of state
 - 09 Free cities
- .44 Administration of France Central government
 - 01 Administrativ centralization
 - 02 Separation of powers
 - 03 President
 - 04 Ministers
 - 05 Council of state

355 **Military science** **Army (Not history)**

Military in broad sense of land and sea forces; but limited to military science, tactics, etc. For War department of U. S. see 353.6; for history of regiments see 353.9 and subdivision 4 under special wars in 973; e. g. Mexican war being 973.62, regimental history of that war is 973.624. See also 623 Military engineering
 .01 Theory .02 Compendis .03 Dictionaries .04 Essays .05 Periodicals
 .06 Societies .07 Education .08 Polygrafy .09 History

.1 Military life

Including honor, honors and insignia, and standards

.11 Servis periods and retirement

.114 Termination of servis Resulting status

.12 Military life in peace and war

.13 Military honor Disciplin

Professional morality; rewards

.14 Uniforms

System; distinguishing rank; style, color and esthetic considerations

See also 355.81 Clothing of troops

.15 Colors and standards

.16 Military celebrations

Commemorations, anniversaries, jubilees

.2 Military resources

.21 Preparedness

Rediness of resources for mobilization

.22 Men Recruitment

Voluntary and compulsory enlistment; recruits from military schools. Obligations of citizens with respect to national defense

For relations of government to maintenance of public order see 351.74 Government police mesures

.23

.24 Raw material

Agricultural, mineral, etc.

.25

.26 Manufactures, industries

.27 Transportation

Roads, railroads, canals, ships

.3 Organization of military forces

.31 Army units and organization

For special arms see 356 Infantry, 357 Cavalry, 358 Artillery. For classification according to military obligation and field of servis see 355.35

.33 Officers Military hierarchy

.331 Command in general

General principles and rules of command, whether of large or small units

.34 Special servis

Outside the regular arm or grade

.35 Armies General staff

Armies clast according to military obligation and field of servis; e. g. European armies of first line, 2d line, colonial armies

For military units see 355.31

DECIMAL CLASSIFICATION

- 355.4 Tactics and strategy**
 - .41 Logistics and field servis
 - .42 General tactics
 - See each arm for its peculiar tactics
 - .43 Strategy
 - .44 Siege warfare
 - For siege engineering see 623.2
 - .45 National defense
 - .47 Military geografy
 - Divided like 930-999
 - Geografic works from military point of view and works on strategic conditions of theaters of operations
 - .48 Wars, campains, battles, military exploits
 - Better clast with wars to which they belong in 930-999
 - .5 **Servis**
 - Garrison and field servis, mobilization; instruction of troops and subaltern grades; maneuvers
 - .52 Grand maneuvers Instruction camps
 - .6 **Military administration**
 - Class here only what concerns the workings of administrativ servises. For personnel and organization of these servises see 356.3
 - .7 **Military establishments**
 - Organization and servis
 - See also 359 Naval establishments
 - 623.63 Military establishments (military engineering)
 - 725.12 Architecture of military bildings
 - .8 **Military equipment and supplies**
 - .81 Clothing Camp outfit
 - .82 Small arms and ammunition
 - Administrativ questions: working and reserv supply; storage, issue, etc.
 - For mechanism and relativ efficiency of different kinds see 623.4
 - .83 Wagons Harness Transport outfit
 - .84 Pioneering tools
 - .85 Other tools Instruments
- 356 **Infantry**
 - 1 **Organization**
 - Light infantry, mounted infantry, cyclist infantry
 - .12 Special colonial infantry
 - .13 Organizations eventually subject to mobilization
 - .14 Volunteer corps
 - .15 Irregular troops
 - 'Corps francs' existing only during war
 - .16 Special infantry troops
 - Sharpshooters, etc.
 - .2 **Staff and special servises**
 - .3 **Administrativ staff and servises**
 - Personnel and organization
 -

ADMINISTRATION

- 357 Cavalry Mounted services
 .1 Cavalry proper
 .2 Remount and training services
 .3 Army train
- 358 Artillery, engineers and other technical services
 For ordnance, gunnery, etc. see 623 Military engineering
 .1 Artillery
 .2 Engineers
 .3 Other technical services

- 359 Naval science
 Divided by .01-.09 like 355. See also 623.8 Naval architecture

360 Associations and institutions

This covers what is best known as "Charities and corrections," and general works on this topic go in 360. Under each section .9 is used as in 362.9, for grouping by location; e. g. Clubs of London are 367.9421

- 361 Charitable
 See also 377.7 Charity schools. For humane societies see 179.2
- 362 Hospitals, asylums, and allied societies
 .1 Sick and wounded Incurables Eye and ear infirm-
 aries Lying-in hospitals Dispensaries
 .2 Insane
 For other relations see Insane, Insanity in Relativ index following Tables
 .3 Idiotic
 For other relations see Idiocy, Idiots, in Relativ index
 .4 Blind Def Dum
 See also 371.91 Education
 .5 Paupers
 For other relations see Pauperism, Paupers, in Relativ index
 .6 Aged Infirm Bereft
 Mothers pensions Aid in cases of deth
 .7 Children Orfans Foundlings
 Child welfare See also ethics, 179.2 Cruelty
 .8 Other
 .9 Special countries
 Divided like 930-999; e. g. 362.942 Hospitals of England

- 363 Political
 Tammany, Primrose leag, Ku Klux, etc.

- 364 Reformatory Criminology
 Schools; discharged convicts; criminal classes

- 365 Prisons Disciplin
 See also 331.5 Convict labor

- 366 Secret societies
 .1 Masons .2 Knights of Pythias .3 Odd Fellows .4 Rosicrucians
 See also 371.85 College secret societies

- 367 Social clubs

DECIMAL CLASSIFICATION

368 Insurance

See also 334.3 Cooperativ insurance

- .1 Fire
- .2 Marine
- .3 Life
- .31 Annuities
 - See also 336.35 Public annuities; 519.5 Probabilities
- .4 Accident Liability
- .5 Animal and crop, agriculture
- .6 Plate glass
- .7 Boiler
- .8 Credit and bonds Land titles
- .91 Government control Commissioners
 - .91-.99 divided geograficly like 940-999; e. g. Insurance in New York (including state reports, etc.) is 368.9747

369 Other associations and institutions

- .1 Hereditary and patriotic societies (American)
 - .11 General associations
 - .111 Regular army and navy union
 - .112 Society of veterans of the regular army and navy
 - .113 Military and naval order of the United States
 - .114 Medal of honor legion
 - .115 Military order of foren wars of the United States
 - .116 Order of the old gard
 - Incorporated 31 Jan. 1896; organized 15 Oct. 1896
 - .117 Naval order of the United States
 - .118 Society of American wars
 - .119
 - .12 Colonial societies
 - .121 Society of colonial wars
 - .122 Society of colonial dames of America
 - A New York society with chapters in other states known also merely as Colonial dames of America
 - .123 National society of colonial dames of America
 - A federation of separately incorporated societies in about 40 different states
 - .124 Society of the Mayflower descendants
 - .125 Order of the founders and patriots of America
 - .126 Colonial order of the acorn
 - " society of Pennsylvania
 - .128 " daughters of the 17th century
 - .129
 - .13 Revolutionary societies
 - .131 Society of the Cincinnati
 - .132 Society of the daughters of the Cincinnati
 - .133 Sons of the American revolution
 - .134 Sons of the revolution
 - .135 Daughters of the American revolution
 - .136 Daughters of the revolution
 - .137 Children of the American revolution

ASSOCIATIONS AND INSTITUTIONS

369.14

- .141 Society of the war of 1812
- .142 United States daughters of 1776-1812
- .143 Military society of the war of 1812
- .144 Society of the second war with Great Britain in the state of
New York
- .145 Aztec club of 1847
- .146 National association of veterans of the Mexican war
- .147
- .148
- .149

.15 **Civil war societies, Union**

- .151 G. A. R. (Grand army of the republic)
- .152 Military order of the Loyal legion
- .153 Society of loyal volunteers
- .154 Union veterans union
- .155 Union prisoners of war association
- .156 Society of the army and navy of the Gulf
- .157 National association of naval veterans
- .158 Society of the army of the Cumberland
- .159

.16

- .161 Woman's relief corps
- .162 Woman's veteran relief union

.163

.164

- .165 Society of the sons of veterans, U. S. army

.166

.167

.168

.169

.17

Civil war associations, Confederate

- .171 Confederate survivors association
- .172 Confederate veterans association
- .173 United sons of confederate veterans
- .174 " confederate veterans
- .175 Daughters of the confederacy

.18

.181

Spanish war veterans

.182

Society of the army of Santiago de Cuba

.183

Naval and military order of the Spanish American war

.184

.185

.186 **Societies arising from Great war of 1914-19**

-4 Young peoples societies

For religious societies see 267.6

-41 Mixt: boys and girls

-42

Boys

See also 136.77 The 'gang'

-43

Boy scouts

-46

Girls

-47

Campfire girls

370 Education

- Disciplin in broad sense
- .1 **Theory of education** **Meaning** **Aim**
Including philosophy of education, science of education and general methodology. Not limited to any curriculum, school or class of schools. For specific methods, pedagogics, see 371
 - .109 **History of educational theory**
 - .15 **Psychology applied to education**
Imitation, suggestion, play, etc. Divided like 150 Psychology; e. g. function of memory in education 370.154
 - .2
 - .3 **Dictionaries** **Cyclopedias**
 - .4 **Essays** **Addresses**
 - .5 **Periodicals**
General. For periodicals limited to a special topic see that topic; e.g. kindergarten magazines 372.205. See also 371.805, 378.05
 - .59 **Educational almanacs and kalendars for teachers**
 - .6 **Organizations** **Conventions**
 - .61
 - .62 **Associations** **Clubs**
Permanent societies, their meetings and reports. Divided like 940-999
 - .63 **Congresses** **Conventions**
Occasional congresses and conferences: international or interstate
 - .7 **Study of education** **Institutions and organizations for training teachers**
Means and methods, including normal schools, institutes, etc. For need of training, kind and amount, see 371.12
 - .71 **Teachers meetings**
Class meetings of teachers of a single institution (faculty meetings) with the institution; see table for school and college publications under 378.4-9
 - .711 **Plan and organization**
Frequency, time, place, control, cost, etc.
 - .712 **Programs, courses of study**
 - .714-9 **In special places**
Divided geographically like 940-999
 - .72 **Teachers institutes**
Divide like 370.71 above
 - .73 **Normal schools**
Institutions primarily for training teachers; e.g. state normal schools Teachers college of Columbia university; often with attacht 'model' or practis schools, in which normal students teach under supervision of their instructors. For training classes attacht to regular schools see 370.75
 - .731 **Plan and organization** **Aims and functions** **Scope**
Length and time of terms. Support: public, private
 - .732 **Courses, programs** **Credentials**
 - .733 **Adjuncts: practis or model schools**
 - .734-9 **Special countries and schools**
Divided geographically like 940-999
 - .74 **Education museums**
Including exhibits at international expositions, state and county fairs, etc.
 - .75 **Training classes**
Class here teachers classes attacht to regular schools. For normal schools see 370.73
 - .8 **Polygrafy**
 - .81 **Collected writings of a single author**
If not limited to a definit topic; e.g. Horace Mann, Henry Barnard, etc.
 - .82 **Collected writings of several authors**

EDUCATION

- 370.9 History, description**
 General works covering both ancient and modern history, and including history of institutions, practice, and description of conditions. See also 136.791 The child among uncivilized and semicivilized peoples
- .92 Educational biography**
 Preferably class in 923.7
- .93-99 History of education in special countries**
 Subdivided like 930-999
- .9401 Medieval Europe**
- .9402 Modern Europe**
- 371 Teachers Methods Discipline**
 Practical methods. See 370.1 for theories of education. The following divisions concern instruction of all grades
- .1 Teachers Teaching personnel Professors, masters, instructors**
 See also 370.7 Training of teachers
- .101 Duties and responsibilities Mission**
- .102 Personal influence**
- .103 Relations to parents**
 Mutual duties of parents and teachers
- .104 Relations to community Public status**
- .105 Social status**
- .11 Qualifications Personality**
 See also 371.18
- .12 Need of training; kind and amount**
 Discussion of special preparation of teachers and professors for their vocation. For teachers training schools and classes, see 370.7
- .13 Examination Certificates Certified teachers Licenses**
- .14 Appointment Organization of teaching force**
- .142 Appointment Contract Discharge Tenure**
- .143 Appointing body**
 Board, committee, principal
- .145 Agencies**
 Bureaus and associations for supplying teachers
- .15 Professional status**
 Permanent profession vs steppingstone theory
- .16 Salary and promotion Compensation Amount of service**
 For pensions and insurance see 371.17
- .161 Salary**
- .162 Fees**
- .163 Allowance for expenses**
- .164 Residence Living expenses**
- .165 Promotion Advance in rank**
 For salary promotion see 371.161
- .166 Hours Daily or weekly service**
- .167 Vacation Yearly service**
- .168 Sabbatic year**

DECIMAL CLASSIFICATION

- 371.17 Pensions and insurance for teachers
 Carnegie pension fund
- .18 Women as teachers
 Feminization of teaching force
- .19 Other topics
- .2 School organization School records
 Diary. 'Logbook.' For government of students, disciplin, see 371.5. For school supervision see 379.15
- .21 Admission Enrolment Matriculation
 For college entrance requirements see 371.214. Standards of individual schools are clast with the school
- .211
- .212 Grammar or intermediate school admission standards
 Including standards of German bürgerschulen
- .213 High school standards
 Including standards of German gymnasia, French collèges and lycées
- .214 College standards
 Undergraduate and nonprofessional graduate courses in (American) colleges and universities
- .215 Professional and technical school standards
- .22 Tuition fees Free tuition Scholarships
 See also 371.162 Professors fees; 379.13 Tuition fees of nonresident pupils in public schools; 378.34 Scholarships
- .23 Terms Vacations Holidays Breaking up
 See also Hygiene of vacations and holidays 613.76, 613.77; Closing for diseases, 371.712
- .234 Terms in 2 or more places
 For floating schools see 371.392
- .24 Hours Recess
 For exercise see 371.73 Care of body
- .25 Classes Grades
 For grading of schools, see 379.17. See also 371.394 Individual instruction
- .253 Length of school courses; e. g. 6 year course
 See also 378.241 Length of college course
- .26 Marking system
- .27 Examinations: oral, written Cramming
 See also 428.9 Language
 For competitiv examinations see 371.53
- .28 Promotions Degrading
- .29 Other topics
- .291 Graduation Diplomas
 May be subdivided like 371.21 See also 378.2 College degrees

EDUCATION

- 371.3 Methods of instruction and study**
Under the heads below class discussion of pedagogic value of these methods. For methods of teaching specific subjects, see those subjects; for their educational value see 375 Curriculum; e. g. teaching of mathematics 510.7, place of mathematics in curriculum 375.51
- .31 Rote or concert teaching
 - .32 Text books Recitations
 Use of textbooks. Textbooks themselves are class with the subjects treated
 - .33 Lectures Oral and visual instruction
 - .335 Visual instruction Lantern slides
 - .34 Developing or inductive method
 - .35 Art of questioning Catechetic method
 - .36 Topical method
 - .363 Correlation
 - .365 Special days
 Historical days: Discovery day, Flag day, Memorial day, Constitution day, Independence day. Birthdays: authors and other noted persons; Washington's birthday. Nature: Arbor day, Bird day. Other: Thanksgiving, Christmas, Easter, etc.
 - .37 Seminary method
 - .38 Laboratory method
 - .39 Other
 - .392 Floating schools or colleges
 Combining travel and shipboard instruction
 - .393 Trips, excursions, visits
 - .394 Individual instruction Batavia system
 By regular teacher or tutor, at home or at school. See also 373.1
 Private instruction
 - .395 Small classes
 See also 371.47 Quincy system
 - .4 **Systems of education**
 For Fröbel's system see 372.2 Kindergarten
 - .41 Bell and Lancaster, or monitorial Mutual system
 - .42 Fellenberg or manual training; vocational schools, industrial education
 For equipment and cost of manual training schools or departments see 371.623 Machine shops, 371.676 Apparatus, etc. For subjects of study see 375.01-.9 For individual schools see 607 or 378.99
 - .421 Educational value
 - .422 In elementary schools
 - .423 In secondary schools
 - .424 In special schools
 - .429 History and development

DECIMAL CLASSIFICATION

- 371.43 Military organization Military instruction
 .44 Pestalozzian
 Class here all Pestalozzi's educational writings
 .45 Jacotot
 .46
 .47 Quincy system
 .5 Government Disciplin Authority
 .51 Rules
 .52 Attendance Truancy Tardiness Absences
 See also 379.23 Compulsory education
 .53 Rewards Prizes Favors Approbation
 .535 Interschool literary contests
 Competitiv examinations. For interschool and intercollegiate de-
 bates see 374.245 For interschool athletics see 371.75
 .54 Punishment Disciplinary penalties
 Limits of school jurisdiction. Disciplin of consequences
 .55 Corporal punishment
 .56 Other punishments
 Confinement; tasks; expulsion; suspension; discharge
 .57 Personnel responsible for disciplin Monitors
 .58 Moral government Alcott system
 .59 Student self government College systems
 .595 School city Ray system
 .6 School premises and equipment
 .61 Grounds Site
 School playgrounds
 .62 Bildings
 Requirements peculiar to schools. See also 727 Architecture of educa-
 tional institutions. The following subdivisions apply to both special
 rooms and separate bildings
 .621 Study, lecture and assembly rooms
 .622 Library and museums
 Art, science, etc. See also 022 Library bildings; 371.64 Function
 of school libraries; 021.3 Relation of libraries and schools; 027.7-.8
 Reports of college and school libraries
 .623 Laboratories Observatory Machine shop
 See also 542.1 Chemic laboratories; 522.1 Observatories
 371.66 Scientific apparatus and supplies
 .624 Gymnasium
 See also 725.85
 .625 Other special rooms or bildings
 Dormitories, clubs, infirmaries, Y.M.C.A. and Y.W.C.A.
 .626 Sanitation Lavatories
 .627 Lighting
 .628 Heating and ventilation
 .629 Accessories
 Elevators, lifts, telefones, etc.

EDUCATION

- 371.63 **Furnishing and decoration**
- .631 **Furniture**
Blackboards, desks, chairs, benches. For globes and maps see 371.66
- .632 **Musical instruments**
- .633 **Floors: bare, covered**
See also 721.6 Architectural construction
022.96 Library buildings
645 House decoration
- .634 **Walls: tints, covering**
- .635 **Decoration**
See also 729 Architectural decoration
- .636 **Pictures, frescoes Glass**
- .637 **Sculpture**
- .638 **Plants**
- .639 **Other decoration**
- .64 **Libraries**
Character and functions. For relation to public library see 021.3; for relation to other school rooms and buildings see 371.622. See also 027.8 School libraries; 027.7 College libraries
- .641 **Relations of library to faculty and students**
- .642 **School traveling libraries**
- .643 **School reading lists**
See also 028.5 Reading of young
- .644 **Elementary school libraries**
- .645 **Secondary school libraries**
- .646 **College and university libraries**
Departmental and seminar libraries
- .648 **Professional and technical school libraries**
In 371.645-8 may be class matter pertaining to desirability and scope of such libraries, tho it is better in 027.7-8 with reports and other matter pertaining to their management
- .65 **Museums: character and functions**
Divided if wisht like 010-999: e.g. 371.655 Science museums; 371.657 Art museums. Limited to character and functions of museums attacht to teaching institutions: see also 708 Art museums, and form division 074 under special subjects
- .66 **Scientific apparatus, laboratory equipment and supplies**
Divided like 500; e.g. 371.662 Astronomic observatory
- .67 **Other apparatus, equipment and supplies**
Divided if wisht like 010-999; e. g. 371.6791 Globes, maps, etc.
- .7 **School hygiene**
- .71 **Helth of students Overstudy Fatigue**
- .711 **Sanitary conditions and inspection**
Board of helth. For sanitary engineer's side see 371.626
- .712 **Medical inspection**
For personal conditions affecting helth and intellectual progress; e.g. clenliness, contagious diseases, nervous disorders, defectiv eyes, ears or teeth. Closing schools on account of epidemic or contagious diseases

DECIMAL CLASSIFICATION

- 371.713 Posture**
 See also 371.631 Furniture (ill designd desks and seats)
- .716 School meals**
 Discussion. Administrativ problems: space, cost, whether wholly or partly free, etc. For management of lunch room, suitable food, etc. see 642.58
- .718 Open air schools**
- .72 Care of eyes Effect of study**
- .73 Care of body Gymnastics Calisthenics**
 For systems of gymnastics or physical training, and books of exercises see 613.71
- .731 Educational influence of physical training**
- .732 Gymnastics Calisthenics**
- 2 In elementary schools
- 3 In secondary schools
- 4 In colleges
- 5 In special schools
- 6 In girls' schools
- .733 Military drill**
 For military organization of school see 371.43
- .734 Fencing**
- .735 Swimming Bathing**
- .736 Riding**
- .737 Walking School promenades**
- .74 Recreations Games, etc. Athletics Di-versions**
 See also 371.61 School playgrounds; 613.74 Hygiene of play; 796 Outdoor sports
- .75 Championship games Boat races Inter-school athletics**
 For other relations see Games in Relativ index following Tables
- .79 Other special topics**
- .8 Student life and customs**
 Various aspects of student life and student activities outside regular courses of study
 See also 784.6 College songs; 378.29 College costumes
- .805 Student periodicals**
 Discussion here. Periodicals themselves preferably with their schools
- .81 Student honor**
 Cribbing Cheating Keys Ponies Copying
- .82 Fagging and hazing Bullying German student duels**
- .83 Student organizations German corps**
- .836 Ancient student societies**
- .84 Literary societies**
- .85 Secret societies**
 Class all college chapters here, thus bringing the fraternity together, with reference from the college. See also 366 Secret societies
- .86 Society premises Society houses Halls Temples, etc.**

EDUCATION

- 371.87 Student houses Lodgings Dormitories
 .88 Commons Student restaurants Eating clubs
 .89 Celebrations Customs Triumphs, burnings, etc.
 Anniversaries Ceremonious receptions Student banquets
 .895 School plays
 Divided by language like 400; e.g. 2 English, 3 German
 .896 Class days
 Of special institution, with institution
 .9 Education of special classes
 General questions; kind and methods of education for these classes
 For institutions see 362, 364. For study of abnormal children see 136.76
 .91 Physically defectiv
 See also 362.4 Asylums for blind and def
 .911 Blind
 See also 655.38 Printing for the blind
 .912 Def
 Finger alfabet See also 378 for degreeconferring colleges
 .913 Blind-def
 .916 Crippled
 .92 Mentally defectiv
 Divided like 132. See also 362.3 Idiot asylums, 920.8 Lives of idiots, cranks, etc.
 .93 Morally defectiv Delinquents
 See also 364 Reformatories. Criminal classes
 .94 Other abnormal classes
 See also 136.764-9 in Childstudy
 .945 Exceptionals Precocity
 .947 Dependents
 See also 362 Hospitals, asylums and allied societies
 .95
 .96 Special ranks
 See also 375.002 Courses for different social classes
 .961 Princes
 .962 Nobles
 .97 Special types
 See also 136.77 Boys, the 'gang'
 .974 Freedmen Negroes
 See also 378.75-.76 for degreeconferring colleges
 .975 Indians
 .976 Orientals
 .98 Special nationalities
 Special schools for foreners; e. g. Germans, Hungarians, Russians, Japanese in United States
 .99 Coeducation of races

372 Elementary education

Primary schools. Dame schools. Infant schools (under 7 years)
See also Day nurseries 362.7; Minding schools 362.5 or 362.7; Crèches 362.7

- .01 Pedagogics and didactics of primary schools**
- .1**
 - May be used like 136.7 by those who insist on having childstudy with education
- .2 Kindergarten**
 - See also 371.44 Pestalozzian, for theory and early history. Put Fröbel's work and development of his system here
 - Theory Principles**
 - .201**
 - .202**
 - .203**
 - .204 Essays**
 - .205 Periodicals**
 - .206 Societies**
 - .207 Training of kindergartners**
 - .208**
 - .209 History**
 - Divided if wisht like 940-999
 - .21 Methods**
 - .211 Gifts and occupations**
 - .212 Gifts**
 - .213 Occupations**
 - .214 Stories**
 - .215 Songs and games**
 - .22 Influence of kindergarten**
 - .23 Relation to other schools**
 - .3 Observing powers Object teaching Science**
 - .35 Nature study**
 - Divided like 500-599; e.g. Birds 372.35982
 - .36 Gardening**
 - .4 Reading Alfabet Fonics and word methods**
 - Spelling**
 - See also 428.6 Elementary readers
 - .45 Simultaneous teaching of reading, writing and spelling**
 - .5 Elementary writing and manual work**
 - See also 741 Freehand drawing
 - .51 Writing**
 - First efforts, imitating printed roman letters
 - .52 Drawing Design**
 - See also 741 Drawing
 - .53 Clay modeling**
 - .54 Sewing, etc.**
 - .55 Elementary basketry, weaving and braiding**

EDUCATION

- 372.6 Elementary grammar Language lessons**
See also 400 Philology, subdivision 8 under each language
- .61 **Mother tung**
- .65 **Second language**
- .7 **Elementary arithmetic**
Including mental arithmetic. See also 511. For Abacus see 511.2
- .8 **Other studies**
Divided if wisht like 010-999; e.g. 372.82 Religion
- .89 **Elementary geografy**
See also 910.7. Elementary textbooks may be put with their subjects, but a primer of geografy is more useful to a student of elementary schools and methods than to one interested in Geografy, Description, and Travel. Text books, except primary, go with their subjects
- .9 **Special countries and schools: history, reports, etc.**
Divided like 940-999; e.g. 372.942 English elementary schools. Put here elementary schools whether public, endowd or private
- 373 Secondary Academic Preparatory**
Class here discussions of general theories, methods, etc. pertaining specifically to secondary education, regardless of source of support. Class here also all private or endowd secondary schools for boys or both sexes; but class all public (taxsupported) schools in 379.4-9, all primary schools (regardless of support) in 372.9, all schools and colleges solely for women in 376, and all colleges for men or coeducation in 378. Class methods and questions peculiar to monastic, diocesan and parochial schools in 377, but class the schools themselves in 372, 373, 378, etc. according to their grades
For specific topics see 371
- .1 **Private instruction: tutor, governess, coach**
- .11 **Relativ advantages of instruction at home and in school**
See also 371.394 Individual instruction
- .2 **Day schools Boarding schools**
- .4-9 **Special countries and schools: history, reports, etc.**
Divide like 940-999; e.g. 373.42 Higher English schools, Eton, Harrow, etc.

374 Home education Self education and culture

Cultural, personal aspect of education

Subdivided by 0 with form numbers if wisht; e.g. 374.05 magazines pertaining to this work, 374.06 Conferences, conventions, institutes, general meetings.

The term Home education covers the broad field of adult self education thru private reading, study clubs and reading circles, summer, vacation, evening and correspondence schools, lecture courses and other forms of extension teaching and other agencies for extending more widely opportunities and facilities for education outside the usual teaching institutions.

For relations of this work to libraries, the natural centers for such activities, see 021.2 See also 378.13 University extension

*With or without personal guidance***.I Solitary study Private reading Conversation**

Advantages to be derived from reading. Study alone with or without aid of reading lists, syllabuses, etc.

Reading lists themselves, syllabuses and other aids to study belong with other bibliographies (016) or with compends under their subjects. They may however, if preferd, be kept together under 374.19, divided like the classification; e.g. syllabus on English history 374.19942; on library economy 374.1902

See 028, for preparation of guides, policy, methods, etc.

Vocational guidance Choice of vocation is clast here because usually discust with self education and closely related to it and preparation for life, and is also often determind thru personal advice or conversation

.2 Associated study Clubs**.21 Study clubs**

Class here 'travel clubs' which study about places without traveling to see them. See also 374.25

.22 Reading circles Book and periodical clubs**.23 Lyceums Literary clubs****.24 Debating societies Oratorical clubs****.245 Interschool and intercollegiate debates**

For interschool literary contests see 371.535

.25 Traveling clubs Educational value of travel

Clubs which travel for education. See also 371.392, 371.393, 374.21

.28 Community centers

Whole community as a club of varied interests. Put here discussion of use of school bildings for various community purposes

.3*With personal guidance*

Either alone or in groups, clubs or classes

.4 Correspondence teaching Manuscript aids

Including methods of correspondence teaching

.43 Societies for encouraging home study**.44-49 Correspondence schools**

General schools divided like 940-999. Special schools are better clast with their subject, with only a reference here: e.g. correspondence schools of agriculture 630.714

.5 Lectures

Single lectures, or series of lectures on different subjects; courses on the same subject unsupported by any other of the 7 factors of a complete extension course: i.e. ↓

1 Lectures 3 Class 5 Guided reading 7 Examination
2 Syllabus 4 Papers 6 Club

EDUCATION

- 374.6 Extension courses Lecture study**
 .62 **Lecture study**
 3 or more lectures on the same subject, with 2 or more of the 7 factors
 .64 **Extension courses**
 5 or more lectures on the same subject with 4 or more of the 7 factors
 .8 **Continuation schools**
 Summer, winter, vacation, night (adult) etc. German auxiliary schools
 Divided like 940-999 For evening or night schools see also 379.19
 .9 **Central organizations, state departments, institutes**
 N.Y. state library extension division, Brooklyn institute, Cooper institute
 Chautauqua, etc.

- 375 Curriculum**
 .001 **Order of studies**
 .002 **Single course**
 .003 **Parallel courses**
 .004 **Optional courses Electiv system**
 .005 **Balanced courses Group system**
 Special topics
 .006 **Overcrowding curriculum**
 .007 **Courses for different classes of society**
 1 **For bredwinning vs culture**
 2 **Failure of course to develop efficiency**
 .008 **Courses for schools of special kinds**
 Courses in schools of Roman catholic order of St Ann; outline of study
 for common schools; courses in French lycées, etc.
 See also special schools under their respectiv subjects
 .009 **Courses for institutions in special countries**
 Divided like 900. See also 379.4-9

- .01-9 Subjects of study**
 Divided like the classification 010-999; e.g. 375.5 Place of science in the curriculum, 375.84 French literature in the curriculum, 375.88 Classics in the curriculum
 Methods of teaching individual subjects, also textbooks, may be kept with educational literature by adding letters to 375 as follows: A general, B educational value of specific subjects, C place in curriculum, D methods of teaching specific subjects, E textbooks;
 e.g. 375.32 B Educational value of political science
 375.32 C Place of political science in the curriculum

- 376 Education of women**
 See also 396.4
 .1 **Physical capacity of women**
 .2 **Mental capacity of women**
 See also 136.1 Mental characteristics as influenced by sex
 .3 **Home or domestic instruction**
 By tutor or governess. See also 374
 .4 **Fashionable education 'Finishing' schools**
 Discussion. For prospectuses, catalogs, etc, see 376.9
 .5 **Convent education**
 Discussion. For prospectuses, catalogs, etc, see 376.9

- 376.6 Higher education of women**
 Secondary and college
- .63 Secondary: preparatory schools for girls**
 All between primary and college. Discussion. For girls highschools see 379.4-.9; for private preparatory schools see 376.9
- .64 Influence of college education on women**
- .66 Associations of college women**
 Association of collegiate alumnae. Alumnae of a single college with that college
- .7 Coeducation Segregation Separation**
 Discussion of collegiate education of women in separate institutions or those for both sexes, whether in the same or separate classes. See 378 for coeducational institutions, 376.8 for separately organized colleges, either affiliated like Barnard and Radcliffe or independent like Vassar, Smith, etc. Class here by attraction general discussion of coeducation of sexes in college and secondary school
- .8 Colleges for women**
 Degreeconferring colleges go here. Arrange material of each college by "Table for school and college publications" following 378.99. All other schools for women go in 376.9
- .9 Special countries and schools: history, reports, etc.**
 Subdivided like 940-999; e.g. 376.943 Education of women in Germany
- 377 Religious, ethical and secular education**
 Relations of religious to secular education. For inculcation as well as actual teaching of definit ethical or religious doctrines see 375; e. g. instruction in duties of citizenship, patriotism 375.172, course in Christian evidences 375.239. Class catalogs, history, etc. of a denominational school regardless of religious affiliation, but class here books dealing in general with schools of a certain denomination or order; e.g. educational system of the Jesuits 377.35
- .1 Religious instruction Bible in public schools**
 Including sectarian instruction or influence in public schools. Public school teachers in religious garb. Conscience clause of English elementary school code
- .2 Ethical education**
 Ethical training, without religious teaching, as advocated by ethical societies See also 170.7 Study of ethics; 375.17 Place of ethics in curriculum
- .3 Monastic or abbey schools**
 Ecoles congréganistes. Divide like 271. See also 271 Monastic orders; 376.5 Convent education of girls
- .4 Diocesan schools Cathedral schools**
 Domschulen, stiftschulen
- .5 Parochial schools**
 See also 257 Parochial schools
- .6 Missionary schools**
 Establishment and conduct of schools as part of mission work. See also 266 Missions
- .7 Charity schools**
 Mainly for elementary education. See also 361 Charitable institutions
- .8 Church and education**
 Subdivided like 280; e.g. 377.82 Relation of Roman catholic church to education. Discussion of denominational schools or educational associations e.g. 377.82 Association of Catholic colleges of United States See also 261.5 Church and intellectual development
- .9 Nonchristian religions and education**
 Subdivided like 290; e.g. 377.97 Relation of Mohammedanism to education

378 — Colleges and universities

- With power to confer degrees. For men only and for both sexes. For women's colleges see 376.8
- .01 **Definition of college and university** **Aim**
Advantages and influence of college training; e.g. on business capacity
- .014 **College terminology, 'slang'**
Including also student slang. See also 427, 437, etc.
- .05 **Academic periodicals**
Periodicals devoted to college and university interests. Those issued by colleges, schools, etc. are scattered either by subject or under college numbers
- .06 **General college associations**
Association of New England colleges See also 370.6
- .068 **Associated alumni** **University clubs**
For alumni associations of any one college, see T under college number
- .069 **Duties of college men as a body**
- .I **Organization** **Government** **Location** **Scope, field**
Classes, colleges, graduate departments, etc.
- .II **Administrativ officers**
- .II3 **Disciplinary officers, judicial corps, university court**
President, deans, etc.
- .I2 **Teaching staff** **Faculty**
Exchange of professors. For qualifications see 371.11
- .I21 **Freedom of teaching**
See also political science, 323.444
- .I3 **University extension**
Conducted by universities. See also 374
- .I4 **College year** **Summer or vacation instruction**
All the year session
- .I5 **Location and size** **Large vs small**
- .I53 **City vs country colleges**
- .I6
- .I7
- .2 **Academic degrees and costume** **College colors**
See also 614.21 **Medical degrees**
- Degrees**
- .21 **Degree conferring body and powers**
College, university or state. See also 614.21 **State regulation of medical education**
- .22 **Graded degrees**
Pass, honor, cum laude, magna cum laude, etc.
- .23 **Degrees in course**
Advanced degrees confered at specified periods on graduates in good standing, without evidence of advanced attainments

DECIMAL CLASSIFICATION

- 378.24 Degrees for completion of courses
 With or without examination
- .241 Time and residence required Length of college course
- .242 Subjects allowable for liberal degree
 Whether technical courses should be credited toward liberal degrees
- .243 Differentiation of degrees: B.A. B.S. B.L. etc.
- .244 Degrees on examination
 With or without residence
- .25 Honorary degrees
- .26 Degrees by purchase or forgery
- Insignia**
- .27 Seal Coat of arms Motto
- .28 Colors: institution and class College flags
- .29 Academic gowns and hoods
- .3 Endowment of research Fellowships Scholarships Student aid
- .31
- .32 Endowment of research
 Carnegie institution. Incentivs to research. Prizes. Opportunities for research. Nobel prizes. Competitions
- .33 Fellowships
- .34 Scholarships
 Rhodes scholarships Traveling scholarships
- .35
- .36 Student income and expenses
- .362 Loan funds Student aid societies
- .364 College employment bureaus Faculty committees
 Other organizations for securing work for students
- .365 Student earnings
 Working way thru college Ways of earning
- .368 Student expenses: extravagance, economy
- .4-.98 Special countries and colleges: history, reports, etc.

For women's colleges, see 376.8
 Subdivide like 940-999; e.g. 378.42 English universities; 378.741 Maine colleges
 The various colleges of any section may be given each a number or be arranged alphabetically. Under each college arrange publications by the following table, placing these letters *after* the letter (or letter and figures) used to designate the college; e.g. a history of Harvard college would be markt 378.744 H E, and a second history would be numberd 378.744 H E1. The practical convenience of this plan outweighs the objection that it introduces classification into the book numbers
 If preferd, colleges and universities may be arranged alphabetically under continent number, insted of being clast first by country or state; e.g. European universities under 378.4 in alfabetic order regardless of country, United States colleges and universities all in one alfabet under 378.73

EDUCATION

378.99 Professional, technical and other special schools
Professional education

Best kept with subject, but may be compactly groupd here. Divided like the classification: e.g. 378.992 Theologic schools, 378.9934 Law schools, 378.9961 Medical schools

TABLE FOR SCHOOL AND COLLEGE PUBLICATIONS

- A Charter and statutes
- B Trustees Regents Resolutions, reports, etc
- C Administration President, chancellor Reports, etc
- D Finances Treasurer's reports
- E History Foundation, growth, etc
- F Biografy Necrology
- G General catalogs Triennials, etc
- H Annual catalogs Attendance, registers, etc
- I Handbooks Circulars of information
- J Bulletins Official periodicals
- K Commencements, inaugurals, etc Baccalaureate and other addresses
- L Programs Tickets Memorabilia
- M Faculty (as a body) Publications Regulations Certificates for admission
- N Lectures Class manuals Examination questions
- O Student theses Orations, essays, etc
- P Student catalogs Society annuals, etc
- Q Student periodicals
- R Student societies, including periodicals
- S Student miscellany Songs Class day, etc
- T Alumni Societies, committees, etc
- U Classes Histories, records, etc
- V Pictures Class albums
- W Bildings and grounds Descriptions, maps, etc
- Z Schools: divinity, law, medical, etc

379 Public schools Relation of state to education

- .I Public school system**
- .II School funds**
- .I2 National and state aid to education**
- .I2I Public aid to private and sectarian schools**
- .I23 Land grants**
See also 336.14 Public finance
- .I24 Subsidies**
- .I3 Local support**
Taxation Bonds Endowment Nonresident tuition See also 336.28 Taxation

DECIMAL CLASSIFICATION

- 379.14 School laws and regulations School age
 Divided like 940-999
- .15 School supervision and control: national, state
 and local Centralization
- .151 National
- .152 State: department, inspectors, etc.
- .153 Local: superintendent, school committee, board
 Supplies, free textbooks, etc. For school meals see 371.716
- .154 Individual: parents and others
- .156 State textbooks
- .16 Public colleges and universities: national, state
 and local
 Only discussion here; for individual colleges see 378.4-9
- .17 Secondary schools
 Discussion. For individual schools see 379.4-9
- .171 Highschools Academies
 6 year highschools
- .172 Grammar schools
- .173 Rural schools
- .175 Central plan Conveying pupils
- .18 Primary schools Kindergartens
 Questions of public maintenance. For individual schools see 372.9
- .19 Evening schools
 See also 374.8
- .2 **Illiteracy Instruction of illiterates**
- .21 Illiteracy and crime Education and crime
 Criminal illiterates
- .22 Illiteracy and pauperism Indigent illiterates
 See also 339 Pauperism; 362.5 Pauper asylums
- .23 Compulsory education
 See also 371.52 Truancy
- .24
- .3 **Public vs private and endowd schools**
- .4-.9 **Special countries, sections, cities, etc.**

Subdivided like 940-999: e.g. 379.73 Reports of U.S. commissioner of education; 379.744 Education in Massachusetts; 379.747: in New York city. Keep state departments separate from city and other local systems by numbering state reports. A1-A8, using A9 followed by author's initial (lower case) for history of schools of any state; e.g. Fitch's *New York public schools* 379.747 A9f

380 Commerce Communication

Public utilities. The technical side of these questions goes mostly in 650 Useful arts.
Here belong discussions of social and political relations.

.16 Government control of public utilities

381 Domestic trade

382 Foren trade Consular reports

Trade between mother country and colony

383 Postal servis

See also 353.4 U. S. administration

384 Telegraf Cable Telefone

See also 621.38 and 654

385 Railroad and express

Government ownership or control. Interstate commerce commission. See also 656
Railroading

386 Canal and highway transport

Stages (horse or motor)

See also useful arts, 656 Transportation

387 River, lake, ocean and air transport

History of shipping. Ship subsidies

See also useful arts, 656 Transportation

388 Local transit: city and interurban

See also engineering 625

389 Weights and mesures Metrology

See also 658 Business manuals

390 Customs Costumes Popular life

These heads are for discussions by topic. Customs, etc. of any special country go in 913-919. Books on a special topic in a special country go here, as the grouping by topics is the more important; e. g. Marriage in Japan is 392.5. but Japanese customs, 915. 2. For customs of primitiv man, see 571

391 Costume and care of person

See also 646 Clothing; 613.4 Hygiene

- .1 Costumes of men**
- .2 " " women**
- .3 " " children**
- .4 Extremities: hats, gloves, sandals, shoes, stockings, etc.**
- .5 Hairdressing Barbers**
See also 646.7 Toilet
- 6 Care of person Bathing Toilet**
- .7 Ornaments and jewelry**
- .8**

392 Birth, home, and sex customs

- .1 Birth customs: christening, circumcision**
- .2 Sacrifice and exposure**
See also ethics, 173.4 Infanticide
- .3 Family and home relations**
- .4 Betrothal**
- .5 Marriage**
- .6 Sex relations Concubinage**

393 Treatment of the dead

See also 614.6 Public helth

- .1 Earth burial**
See also 719 Cemeteries
- .2 Cremation**
- .3 Embalming, mummies**
- .4 Exposure**
- .9 Special funeral customs: wake, suttee**

394 Public and social customs

- .1 Eating, banquets**
- .2 Shows and diversions**
- .3 Games Dances, etc.**
- .4 Ceremonies**
Coronations, durbars, etc.
- .5 Processions Pageants**
- .6 Fairs Kermess**
- .7 Chivalry Tournaments**
- .8 Dueling Suicide**

For other relations see Dueling in Relativ index following Tables

395 **Etiquet**

Codes of social procedure and behavior. For social ethics see 177

396 **Woman's position and treatment**

For costumes, see 391.2; biography, 920.7

If a special library about women is wisht, 396 is the best place for it. Suffrage, education, and employment can then be put here, with references from 324.3, 376, 331.4, etc. but it would be unwise to bring everything about women here, e. g. to remove 618, Diseases of women, from the rest of medicin. Books on woman in general go in 396

.1 **Emancipation**

.2 **Legal status, property, rights, etc.**

.3 **Political status**

See 324.3, Suffrage; 329.83, Woman suffrage party

.4 **Education**

See also 376, Education of women

.5 **Employment**

See 331.4, Labor of women; 371.18, Teachers

Divided like the general classification; e. g. woman as scientist, 396.55; woman's exchange, 396.56; woman as painter, 396.575; woman as author, 396.58, etc.

.6 **Woman in home**

.7 **Delineation of woman in art**

.8 **Delineation of woman in literature**

.9 **Woman in history, politics, war** **Amazons**

397 **Gypsies Nomads Outcast races**

People without nationalities who do not coalesce with the ruling people among whom they live. This includes Gipsy language, which till recently had no place in the linguistic groups of 400, as the Gipsy people have no place in the geographic divisions of history

398 **Folklore Proverbs, etc.**

See also 291-3 Mythology

This section is for material needed in studying Folklore. Mere stories for children, unless having a value to students of folklore, go in 823, or in J, if there is a Juvenil collection

.1 **Primitiv traditions**

.2 **Legends, tales, traditions**

Legends of Arthur, Charlemagne, Roland, Faust, Reynard the fox, etc. But poems, dramas, etc. based on these legends class in literature

.3 **Folklore, traditional beliefs and customs, popular superstitions**

.4 **Fairies, elvs, ogers, monsters**

Bogies, gnomes, dragons, vampires, werewolvs, etc.

.5 **Chapbooks**

.6 **Riddles**

.7 **Dream books**

.8 **Song books**

Including only popular collections, hardly ranking with Poetry or Music, but useful in the study of Folklore, etc.

.9 **Proverbs**

399 **Customs of war**

Weapons War dances Treatment of captivs Scalping Mutilation Burning Cannibalism See also 623.4 Firearms

Philology

400 Philology in general

In philology the general works put under 400-419 deal almost entirely with the Indo-European languages. They are put here because they cover most of the divisions of this class, and in practice are most convenient here. Under 439, 479 and 489 are placed books limited to the Teutonic, Romance, or Hellenic groups, and under 491 are placed only such general works as are specifically limited to the Indo-European group

- 401 Philosophy Origin of language
- 402 Compendia, outlines
- 403 Dictionaries, cyclopedias
- 404 Essays, lectures, addresses
- 405 Periodicals
- 406 Societies, transactions, etc.
- 407 Education, teaching languages
- 408 Polygraphy Collections
 - .9 Universal language
 - .91 Volapük
- 409 History of language

410 Comparativ

410-419 includes *comparativ* works in general and also those on the Indo-European group in general, but general and *comparativ* works on Teutonic group are 439; on Romance group 479; on Hellenic group 489. Everything about an individual language is put with that language. 410-418 may be subdivided like 420-428

- 411 Orthography Orthoepy Alphabets
- 412 Etymology, derivation
- 413 Dictionaries, lexicography
- 414 Phonology Visible speech
 - See also 612.78 Physiology of speech
- 415 Grammar, morphology, syntax
- 416 Prosody
- 417 Inscriptions Paleography
 - See 421.7, 471.7, 481.7, etc. Rare early mss are put in 091
- 418 Texts
- 419 Hieroglyphics
 - See also 493.1
- .1 Sign language
 - For def mute alphabets, see 371.912

420 English philology

.1 Philosophy .2 Compendis .4 Essays .5 Periodicals .6 Societies .7 Study and teaching .8 Collectiv works .9 History of the language

421 Orthografy

See also this hed treated in general grammars placed under 425

.1 Alfabet

For def mute alfabet., see 371.912

.2 Vowels Diphthongs Aspirates

.3 Consonants

.4 Phonetic spelling Spelling reform

.5 Orthoepey (*Pronunciation*)

.6 Accent

.7 Paleografy Inscriptions

.8 Abbreviations

For stenographic and other uncommon contractions and abbreviations, see 653 Shorthand

.9 Punctuation

422 Etymology Derivation

422 is limited to derivation. For inflection, also called etymology, see 425.1

.1 Origin and laws of language

.2 Prefixes Suffixes

.3 Reduplication

.4 Foren elements

.5 Noun forms: case, number, diminutivs

.6 Adjectival forms Degrees of comparison

.7 Pronominal forms: personal, possessiv, relativ, etc.

.8 Verbal forms: moods, tense, voice, etc.

.9 Particles: adverbs, prepositions, etc.

423 Dictionaries Idioms

.1 Idioms (.2 English) .3 German, etc. Put a dictionary of two languages with the less known language. Under 423 put only English-English dictionaries. Put an English-French dictionary with French, 443.2; a French-Latin dictionary with Latin, 473.4. If in several languages, put with 413, or with least known. Put French-French dictionaries 443, not 443.1, so that the standard home dictionaries shall come first in each language. This plan brings together under each of the less known, all the dictionaries for translating either into or from that language. Some prefer to put each dictionary under the first language; i. e. that by which it is alfabeted. This gives under *each* language, regardless of its familiarity, *all* dictionaries for translating *from* it, but none for translating *into* it. These must be sought under the language from which the translation is to be made. For a cosmopolitan library this plan is simplest and best; but in an English library, the first plan, with only English dictionaries in 423, and both *in* and *out* dictionaries together under little known tungs is more convenient. References in either case show what may be found in the other place

Oftan written

423 English

433 German

443 French

etc.

453 Dutch

463 Spanish

473 Latin

483 Italian

473.2

424 Synonyms Homonyms

- 425 Grammar**
425 includes general works, covering also orthography and prosody
- .1 Morphology Inflection**
Divided like 425.2 Syntax; e. g. .5 Nouns, etc. See 422
 - .2 Syntax**
 - .3 Arrangement of words and clauses**
 - .4 Particular sentences: conditional, hypothetic, etc.**
 - .5 Nouns**
 - .6 Adjectivs Articles**
 - .7 Pronouns**
 - .8 Verbs**
 - .9 Particles**
- 426 Prosody**
See also the hed Prosody, in general grammars 425
- .1 Quantity and accent**
 - .2 Versification**
 - .3 Feet**
 - .4 Figures of prosody**
 - .5 Meters**
 - .6 Rimes**
 - .7 Strophe and antistrophe**
 - .8 Textbooks for writing verse**
 - .9**
- 427 Dialects Early forms of language Slang**
Subdivided by geographic divisions like 942. The Yorkshire dialect is 427.74; Gloucestershire dialect 427.41. The dialects of other languages take the geographic subdivisions of their countries. Dialects not provided for in these heds are placed with the last; e. g. American and Scotch with 427.9. The division by time is made with a 5th figure after 0; the earliest form of the language is markt .01; .09 is used for modern slang, e. g. 427.01 Old English
- 428 School books Texts for learning the language**
*Including only books for *learning* the language, with grammatic or philologic notes, etc. For other works see literature of the language, 820*
- .1 Spelling books**
 - .2 First lessons Elementary composition** *For Rhetoric see 808. Including in other languages books like Fasquelle, Ollendorff, Chardenal, Latin prose, etc. See also 372.6, Elementary grammars*
 - .3 Errors of speech Vulgarisms Use of words**
See 427.09 Slang; 424 Synonyms
 - .6 Elementary readers** *See also 372.4 Education*
For primers and primary readers see 372.4. Class here 3d and 4th readers, and put higher readers with literature collections; 808.8 if general, 820.8 if English or English and American, etc.
 - .7 Selections**
 - .8 Texts of individual authors**
With grammatic notes and questions. Preferably clast in 800 with cross references here
 - .9 Examination papers**
- 429 Anglo-Saxon**

430 German

437.01 Old High German; 437.02 Middle High German

439 Minor Teutonic

Including general works on Teutonic group

- .1 **Low German**
- .2 **Frisian Old Saxon**
- .3 **Dutch Flemish**
- .4 **Plattdeutsch**
- .5 **Scandinavian**
- .6 **Old Norse Icelandic Faroese**
- .7 **Swedish**
- .8 **Danish Norwegian**
- .9 **Gothic**

440 French

Old French, as the earliest form of the language, is 447.01

447.9 **Canadian and creole French, etc.**449 **Provençal Catalan****450 Italian**459 **Wallachian Rumanian**.9 **Romansh****460 Spanish**469 **Portuguese****470 Latin**479 **Minor Italic Medieval Latin**

Including general works on Romance group

480 Greek

Divide 487, Greek dialects, like 930; e. g. 487.2 Alexandrian Greek; 487.3 New Testament Greek; 487.81 Macedonian; 487.923 Ionic, etc.

489 **Minor Hellenic Modern Greek**

Including general works on Hellenic group

Works on Latin and Greek together, unless very clearly most useful in Latin, go with Greek, which here as well as elsewhere is made to include general works on the ancient classics

All languages are subdivided like 420 English

490 Minor languages

Each language subdivided if wisht like 410 English

491 Minor Indo-European

Besides Teutonic, 420-439; Italic, 440-479; and Hellenic, 480-489

This hed, 491, includes general works on the Indo-European tungs, but general works on the Teutonic languages go in 439, on the Romance group in 479, on the Hellenic group in 489, while most of the material placed under 400-419 is really Indo-European; but see also 410

- .1 Indic**
- .2 Sanskrit**
- .27 Sanskrit dialects Prakrit**
- .3 Pali**
- .4 Modern East Indian languages**
Excluding Dravidian, which is 494
- .41 Sindi**
- .42 Panjabi**
- .43 Hindustani Hindi**
- .44 Bengali**
- .45 Uriya Orissa**
- .46 Marathi**
- .47 Gujerati**
- .48 Singhalese**
- .49**
- .5 Iranic**
- .51 Old Persian**
- .52 Zend (Avestan) Old Bactrian**
- .53 Pehlevi (Huzwaresh)**
- .54 Armenian**
- .55 Modern Persian**
- .56 Ossetic**
- .57 Kurdish**
- .58 Afghani**
- .59**
- .6 Keltic**
- .61 Gadhelic group**
- .62 Irish**
- .63 Gaelic or Scotch**
- .64 Manx**
- .65 Cymric group**
- .66 Welsh or Cymric**
- .67 Cornish**
- .68 Armorican or Bas Breton**
- .69 Basque**
- .7 Russian**
- .79 Ruthenian**

PHILOLOGY

491.8 Other Slavonic

- Southeast Slavonic group
- .81 Bulgarian (Church Slavonic)
- .82 Serbian
- .83 Kroatian
- .84 Slovenian
 - West Slavonic group
- .85 Polish
- .86 Bohemian
- .87 Moravian Slovakian
- .88 Sorbian
- .89 Polabian
- .9 Lettic
 - Old Prussian
 - .91 Lithuanian
 - .92 Lettish (Livonian)
 - .93

492 Semitic

- Northern group
- .1 Aramaic
 - .19 Babylon and Nineveh cuneiform
- .2 Chaldee
- .3 Syriac (Peshito)
 - Central group
- .4 Hebrew
- .5 Samaritan
- .6 Phenician (Carthaginian)
 - Southern group
- .7 Arabic
- .8 Ethiopic (Amharic)
- .9 Himyaritic

493 Hamitic

- .1 Old Egyptian
 - See 419 Hieroglyphics
- .2 Coptic

494 Scythian Ural-Altaic Turanian

Dravidian Tamil Finnish Turkish Magyar, Hungarian

495 Eastern Asiatic Chinese Japanese

496 African

Excluding 493 Hamitic, 492.8 Ethiopic, etc. included in families above

497 North American

498 South American

499 Malay-Polynesian and other

Natural Science

500 Science in general

501-509 all have *Science in general* as their subject, but it is treated in these various forms. A periodical on *Chemistry* goes with 540.5, not 505, which is only for periodicals on Science in general. 0 in any class number in any part of the classification shows the subject to be general, not specific

- 501 Philosophy, theories, utilities, etc.
- 502 Compendes, outlines Ancient and medieval science
- 503 Dictionaries, cyclopedias
- 504 Essays, lectures, addresses
- 505 Periodicals, scientific magazines
- 506 Societies: transactions, etc.
- 507 Education, methods of teaching and study
Museums
- 508 Polygraphy: collected works, extracts, etc.
 - .1 Extracts .2 .3 General scientific travels .4—.9 Travels and surveys (if general) divided geographically like 940-999
- 509 History of science

510 Mathematics

Works on *Mathematics in general* not limited to any one or two sections, are groupd by form of treatment like Science in general above; i. e. into Mathematical

510.1 Philosophy .2 Collections, compends .3 Dictionaries .4 Essays, papers tracts, letters .5 Periodicals .6 Societies .7 Education .8 Logarithmic and other tables, instruments .9 History

511 Arithmetic

See 372.7 Teaching elementary arithmetic

- .1 **Systems of arithmetic**
 - See also 512.81 Theory of numbers
- .2 **Notation and numeration** **Fundamental rules** **Abacus**
- .3 **Prime numbers**
- .4 **Fractions**
- .5 **Analysis** **Permutation and combination**
- .6 **Proportion and progression**
- .61 **Magic squares**
- .7 **Involution and evolution**
- .8 **Mercantil rules** **Interest** **Alligation** **Mensuration**
Gaging
 - See also 658 Business manuals
- .9 **Problems and tables**

512 Algebra

- .1 Systems of algebra**
- .2 Numeric equations Imaginary expressions**
 - .21 Equations, 1st to 4th degrees
 - .22 Higher numeric equations
 - .23 Indeterminate equations Diophantin analysis
 - .24 Imaginary expressions
- .3 Algebraic equations Maxima and minima**
- .4 Series Fractions Binomial theorem Taylor's theorem**
- .5 Combinatory analysis**
- .6 Proportion and progression**
- .7 Involution and evolution**
- .8 Higher algebra**
 - .81 Theory of numbers See 511.1 Systems of arithmetic
 - .82 Theory of equations Complex variable See also 517.8
 - .83 Determinants
 - .84 Symmetric functions
 - .85 Elimination: eliminants and discriminants
 - .86 Transformations Substitutions
 - .87 Quantics
 - .88 Invariants Covariants Contravariants
 - .89
- .9 Problems and tables**

513 Geometry

Plane and solid geometry bound together is put 513. Descriptiv geometry is 515
See also 744 Mathematic drawing

- .1 Plane geometry**
 - .11 Right lines
 - .12 Intersecting lines
 - .13 Parallel lines
 - .14 Triangles
 - .15 Quadrilaterals
 - .16 Other polygons
 - .17 Similarity
 - .18 Areas
 - .19 Maxima and minima
 - .2 Curvs**
 - .21 Circles
 - .22 Conic sections
 - .23 Ellipse
 - .24 Hyperbola
 - .25 Parabola
 - .26 Higher plane curvs

DECIMAL CLASSIFICATION

- 513.3 **Volumetric or solid geometry**
 - .31 Lines and planes
 - .32 Intersecting planes
 - .33 Parallel planes
 - .34 Polyedrons
 - .35 Pyramids
 - .36 Prisms
 - .37 Regular
 - .4 With curvd surfaces**
 - .41 Sphere
 - .42 Cone
 - .43 Cylinder
 - .5 Modern geometry**
 - .51 Points Lines Planes Duality
 - .52 Transversals
 - .53 Cones Conics Involution
 - .54 Radical axes and centers of similitude
 - .55 Poles and polars Reciprocal polars
 - .56 Harmonic and anharmonic properties
 - .57 Correspondence Correlation of figures
 - .58 Quadric surfaces: spheroconics, curvs of double curvature
 - .59 Surfaces of higher order: cubics
 - .6
 - .7
 - .8 Absolute or non-Euclidean geometry**
 - .9 Problems**
- 514 **Trigonometry**
 - .1 Trigonometric functions General formulas ^{See 522.7}
 - .2 Trigonometric series
 - .3 Exponential formulas
 - .4 Solution of trigonometric equations
 - .5 Plane trigonometry: solution of plane triangles; analytic
 - .6 Spheric trigonometry General formulas
 - .7 Solution of spheric triangles
 - .8 Differences of triangles, plane and spheric
 - .9 Problems

515 Descriptiv geometry and projections

See also 744 Mathematical drawing

- .1 **Orthogonal projection on 2 planes**
- .11 Straight lines Planes
- .12 Single curvd lines
- .13 Double curvd lines
- .14 Single curvd surfaces
- .15 Double curvd surfaces
- .16 Surfaces of revolution
- .17 Warpt surfaces
- .18 Intersections of surfaces
- .2 **Isometric and analogous projections**
- .3 **Oblique projection**
- .4 **Conic projection**
- .5 **Spheric projection** See also 526.8 Map projection
- .51 Orthografic
- .52 Globular
- .53 Stereografic
- .54 Polar
- .55 Gnomonic
- .56 Conic
- .57 Cylindric
- .6 **Perspectiv** See also 742 Drawing
- .61 Plane Parallel Oblique Angular
See also Scene painting
- .62 Cylindric
See also Panorama painting
- .63 Shadows; natural and artificial light
- .64 Reflections
- .65 Circles, cylinders and spheres
- .66 Distortions and corrections
- .67 Human figure
- .68 New methods Special devices
- .7 **Shades and shadows**
- .8 **Stereotomy**
- .81 Stonecutting See also 693.12 Masonry; 730 Sculpture
- .82 Carpentry See also 694 Bilding
- .83 Stairbilding See also 694.8 Bilding; 729.39 Architectural design

516 Analytic geometry

- .1 **Plane loci**
- .11 Right lines
- .12
- .13
- .14 Transformation of coordinates
- .2 **Curvs**
- .21
- .22 Conic sections
- .23 Ellipse
- .24 Hyperbola
- .25 Parabola
- .26 Higher plane curvs
- .3 **Loci in space**
- .31 Right lines
- .32 Planes
- .33
- .34 Transformation of coordinates
- .4 **Curvd surfaces**
- .41
- .42 Conicoids or quadric surfaces
- .43 Ellipsoid
- .44 Hyperboloid
- .45 Paraboloid
- .46 Surfaces of higher order
- .5 **Modern analytic geometry**
- .51 Systems of coordinates
- .52 Abridged notation
- .53 Conics
- .54 Higher plane curvs
- .55 Poles and polars Reciprocal polars
- .56 Harmonic and anharmonic properties
- .57 Method of projection
- .58 Quadric surfaces: spheroconics, curvs of double curvatures
- .59 Surfaces of higher order: cubics
- .6
- .7
- .8 **Quaternions: calculus of direction and position**
- .9 **Problems**

CARTESIAN

517 **Calculus**

- .1 **Infinitesimal Method of exhaustions**
 Differential and Integral calculus, *bound together*, is put here
- .2 **Differential**
 - .21 Series
 - .22 Indeterminate forms
 - .23 Change of the independent variable
 - .24 Theory of plane curvs Curv tracing
 - .25
 - .26 Theory of curvd surfaces
 - .27 Maxima and minima
 - .28
 - .29 Problems
- .3 **Integral**
 - .31 Formulas of reduction and integration
 - .32 Definit integrals Eulerian integrals
 - .33 Rectification Quadrature Cubature
 - .34 Multiple integrals
 - .35 Laplace's functions Bessel's and allied functions
 - .36 Elliptic and hyperelliptic functions Abelian functions
 - .37
 - .38 Differential and partial differential equations
 - .39 Problems and tables
- .4 **Of variations**
- .5 **Of functions**
- .6 **Of finite differences**
- .7 **Of operations**
- .8 **Of imaginaries Complex variables** See also 512.82
- .9 **Problems**

519 **Probabilities**

- .1 **General principles Direct and inverse probabilities**
- .2 **Mathematical and moral expectation**
- .3 **Testimony: decisions of juries and tribunals**
- .4 **Probability of future events deduced from experience**
- .5 **Life contingencies: annuities, life insurance** See 368.3
- .6 **Errors of observation Mean or average values**
- .7
- .8 **Method of least squares**
- .9 **Problems**

520 Astronomy

520.1 Astrology, see 133.5 520.2 Compendia 520.3 Dictionaries 520.4 Essays
 520.5 Periodicals 520.6 Societies 520.7 Study and teaching of astronomy
 520.8 Collections, etc. 520.9 History of astronomy
 See also note under Natural science in general, 500-509

521 Theoretic astronomy

Mathematical investigation of celestial motions, specially of the Solar system.
 Motions of individual bodies are classed under separate heads in 523

- .7 Celestial dynamics**
- .11 General laws of equilibrium and motion See also 531.2
- .12 Law of universal gravitation and motion
 See also 531.51
- .13 Problem of 3 bodies
- .14 Figures of heavenly bodies
- .15 Rotation of heavenly bodies
- .2 Geocentric and heliocentric place**
- .21 Plane of orbit in space
- .22 Position of orbit in its plane
- .23 Position of body in its orbit
- .24 Position of body in space
- .25 Heliocentric longitude and latitude
- .26 Geocentric longitude and latitude
- .27 Variations of right ascension and declination
- .28 Variations of longitude and latitude
- .29
- .3 Orbits**
- .31 Definitions of orbits
- .32 Determination from 3 observations
- .33 Determination from 4 observations
- .34 Variation of elements of orbit
- .35 Correction of approximate elements of orbit
- .36 Application of method of least squares
- .37 Kepler's problem
- .38 Equation of center and radius vector
- .39
- .4 Perturbations**
- .41 Mutual action of planets
- .42 Action of satellites
- .43 Nonsphericity of planets
- .44 Resisting medium
- .5 Theory of planets**
- .6 Theory of satellites**
- .7 Theory of comets**
- .8 Theory of eclipses**
- .9 Precession and nutation** See also 522.95-.96

522 Practical and spheric

- .1 Observatories**
- .11 General plan, location
- .12 Material and mechanism of dome, drum, etc.
- .13 Transit bildings, wings, etc.
- .14 High altitude observatories
- .15 Portable
- .19 History, reports and serial publications of observatories
- .2 Telescopes** See also 535.83 Optics
- .21 Reflecting
- .22 Refracting
- .23 Eye piece and accessories
- .24 Object glass
- .25 Mounting, tube, etc.
- .26 Equatorial mounting
- .27 Transit mounting
- .28 Observing chairs, etc
- .29 Famous telescopes
- .3 Meridional instruments**
- .31 Finding meridian line
- .32 Mural circles
- .33 Meridian circles
- .34 Transit: placing in position
- .35 Collimation constant
- .36 Level constant
- .37 Azimuth constant
- .38 Other constants, flexure, index error, etc.
- .4 Extra meridional instruments**
- .41 Sextant and quadrant, reflecting circle, astrolabe
- .42 Altazimuth
- .43 Zenith telescope
- .44 Transit out of meridian
- .45 Heliometer
- .46 Equatorial
- .47 Prime vertical
- .5 Auxiliary instruments**
- .51 Sidereal clock and chronometer
- .52 Electrochronograf
- .53 Micrometers
- .54 Personal equation machine See 522.97
- .55 For illumination
- .56 For solar observation
- .57 Artificial horizons
- .58 Heliostat

DECIMAL CLASSIFICATION

522.6 Auxiliary observations

- .61
- .62 **Photometry** See 535.2 Optics
- .63 **Photografy** See 535.85 Optics; 770 Fotografy
- .64
- .65 **Polarization** See 535.5 Optics
- .66
- .67 **Spectroscopy** See also 535.84
Technic; application to astronomy and use with telescope. For results see 523.37, 523.57, 523.67, 523.77, 523.87
- .68
- .69
- .7 **Spheric astronomy** See also 514.6
- .71 **Celestial sphere** Spheric coordinates
- .72 **Rectangular coordinates**
- .73 **Transformation of coordinates**
- .74 **Differential variations of coordinates**
- .75 **Interpolation**
- .76 **Meridian line** Variation of compass
- .77 **Reduction of observations to the meridian**
- .78 **Use of globes**
- .79

.9 Corrections

- .91 **Parallax**
- .92 **Refraction** See 535.3 Optics
- .93 **Semidiameter of celestial bodies**
- .94 **Aberration**
- .95 **Precession** See 521.9
- .96 **Nutation** " "
- .97 **Personal equation** See 522.54
- .98 **Instrumental errors**
- .99

523 Descriptiv astronomy

.1 Universe

- .11 **Structure of universe**
- .12 **Nebular hypothesis**
- .13 **Plurality of worlds**
- .14 **Space and its temperature**
- .15 **Resisting medium**
- .16 **Cosmic dust**
- .17 **Repulsiv force**

- 523.2 Solar system**
- .21 Distributiv laws of planets
 - .22
 - .23 Conjunctions and oppositions
 - .24 Motion of solar system in space
 - .25 Constitution of planetary system
 - .26 Stability of solar system Ecliptic
 - .27
 - .28 Orrery, planetarium, gyroscope, etc. See 531.34 Rotation
 - .29 Zodiac
 - .3 Moon**
 - .31 Constants: size, mass Distance and parallax
 - .32 Heat and light Phases
 - .33 Orbit and motions
Sidereal month, tropical, perigee and apogee, sun and earth's attraction, librations. See also 521.6 for Orbit
 - .34 Features of surface: mountains, plains, etc.
 - .35 Atmosphere
 - .36 Physical condition
 - .37 Spectrum
 - .38 Eclipses
 - .39 Charts, photographs, etc.
 - .4 Planets**
 - .41 Mercury and intramercorial
 - .42 Venus
 - .43 Mars
 - .44 Asteroids
 - .45 Jupiter
 - .46 Saturn
 - .47 Uranus
 - .48 Neptune and transneptunian
 - .49 Charts, photographs, etc.
 - .5 Meteors and zodiacal light**
 - .51 Meteorites
 - .52 Fireballs
 - .53 Meteoric showers, radiant points, etc.
 - .54 Systems of meteors
 - .55
 - .56 Connection of comets and meteors
 - .57 Spectrum
 - .58 Hight of atmosphere from observation
 - .59 Zodiacal light Aurora (borealis and australis)

DECIMAL CLASSIFICATION

- 523.6 Comets**
- .61 Appearance and development .
- .62
- .63 Orbits
- .64 Remarkable comets
- .65
- .66 Physical constitution
- .67 Spectrum
- .68
- .69 Charts, photographs, etc.
- .7 Sun**
- .71 Constants, dimensions
- .72 Heat and light: theories as to source
- .73 Apparent motion Rotation *See 525.38 Tables*
- .74 Spots, faculae, and other features of surface
- .75 Prominences, chromosphere, corona
- .76 Theories of physical constitution
- .77 Spectrum
- .78 Eclipses
- .79 Charts, photographs, etc.
- .8 Stars**
- .81 Stellar parallax, distance
- .82 Heat and light Photometric observations Magnitude
Visibility
- .83 Proper motion, stardrift
- .84 Variable, double, and multiple stars
- .85 Clusters and nebulas
- .86 Physical constitution
- .87 Spectrum
- .88
- .89 Constellations, maps, catalogs, etc.
- .9 Transits and occultations**
- .91 Transits of Mercury
- .92 Transits of Venus and solar parallax
- .93 Delisle's method
- .94 Halley's method
- .95 Photographic method
- .96 Transits of Venus to 1874
- .97 Transit of 1882
- .98
- .99 Occultations

524 Maps, observations, and tables

Series of observatory publications may be kept together under 524, or under 522.19 with the history and reports of the observatory. Special maps or observations, e. g. on Sun or Moon, are better placed in subsections 9 *under those heads* in 523, with charts and photographs, e. g. 523.79, thus leaving these bracketed numbers 524 to 524.9 blank. They are printed to provide a place in case it is wisht to keep *all* maps and observations together

- .3 **Of moon** See also 523.39
- .4 **Of planets** See also 523.49
- .5
- .6 **Of comets** See also 523.69
- .7 **Of sun** See also 523.79
- .8 **Star catalogs** See also 523.89

525 Earth

- .1 **Constants**
- .11 Mass Weight
- .12 Density
- .13 Dimensions, diameter
- .14 Figure: geomorfy, equatorial belt
- .15 Distance from sun
- .16 Parallax
- .2 **Heat Light**
- .3 **Orbits and motions**
- .31 Period of revolution
- .32 Obliquity of ecliptic to equator
- .33 Eccentricity
- .34 Perturbations
- .35 Rotation
- .36 Foucault's pendulum
- .37 Deviation of falling bodies and projectils
- .38 Tables of the sun Apparent motion See 523.73 Sun
- .4 **Geografic coordinates**
- .41 Finding latitude See also 527.1
- .42 By meridian altitudes
- .43 By Pole star
- .44 By altitude of 2 or more stars
- .45 By other methods
- .46 Finding longitude See also 527.2
- .47 Terrestrial means: chronometers, telegraf, signals
- .48 Celestial signals: eclipses, occultations, transits
- .49 Lunar methods
- .5 **Seasons**
- .51 Effect of inclination of equator to ecliptic
- .52 Effect of eccentricity of earth's orbit
- .53 Secular changes of seasons
- .54 Seasons on Mars and other planets

DECIMAL CLASSIFICATION

- 525.6 Tides**
- .61 Mathematical theory
- .62 Effect of sun and moon in producing tides
- .63 Distribution, diurnal inequality, spring and neap, priming and lagging
- .64 Establishment of a port Coast form modification
- .65 Velocity of hight of tide wave
- .66 Tides on inland seas
- .67 Supposed effect in retarding Earth's revolution
- .68 Tide registering and predicting machines
- .69 Tide tables

- .7 **Twilight**

526 Geodesy

526.2-.8 apply to surveys of large tracts, requiring allowance for earth's curvature and more exact methods of determination. For local surveys see 526.9

- .1 Theory and determination of Earth's figure**
- .11 Potentials of ellipsoids
- .12 Equilibrium of rotating spheroid
- .13 Law of ellipticity
- .14 Airy's and Pratt's theories as to attraction of mountains
- .15 Determination of figure by Airy, by Bessel, and by Clarke
- .16 Ellipsoidal figure and position of axes
- .17 Geoidal figure
- .2 Base mesuring and apparatus**
- .21 Standards of length and temperature
- .22 Apparatus of Struve, Bessel, Colby, U. S. coast survey. U. S. lake survey, etc.
- .23 Adjustments of apparatus
- .24 Location of base line
- .25 Field operations
- .26 Calculation of results and corrections
- .27 Verification
- .3 Field work of triangulation**
- .31 Reconnaissance
- .32 Stations
 - Names, signals, tripods, scaffolds and towers, surface and underground monuments
- .33 Observations, instruments and records
- .34 Reduction to station's center
- .35 Corrections for phase of signal and eccentricity
- .36 Spirit leveling
- .37 Barometric leveling
- .38 Trigonometric leveling
- .39

These are methods. See 551.53. for results, lists of hights, etc

- 526.4 Computation of triangulation**
 - .41 Spheric excess
 - .42 Legendre's theorem
 - .43 Chord process
 - .44 By spheric trigonometry
 - .45 By spheroidal trigonometry
 - See also application of least squares, 522.6
- .46 L M Z formulas and applications**
 - .47 Direct deduction by Bessel
 - .48 Deduction by Puissant
 - .49 Tables for computation
- .5 Theory of least squares in adjustment of figures, etc.**
 - .51 Method of independent angles
 - .52 Adjustment of a quadrilateral
 - .53 Adjustment of triangulation net
 - .54 Method of directions
 - .55 Adjustment for closure of a circuit
 - .56 Method of repetitions
 - .57 Adjustments of base mesures
 - .58 Adjustments of leveling
- .6 Astronomic determinations and their connection with geodetic results**
 - .61 Latitude determinations
 - .62 Longitude determinations
 - .63 Azimuth determinations
 - .64 Effect of irregularities of Earth's surface on latitude longitude and azimuth
 - .65 Effect of same on angles of triangle
- .7 Gravity experiments and results**
 - .71 Mathematical theory
 - .72 Pendulum apparatus
 - .73 Pendulum operations
 - .74 Corrections
 - .75 Reduction of results
- .8 Map projections** See 515.5 Spheric projections
 - .81 Prospectiv projections
 - .82 Orthomorphic projections
 - .83 Development projections
 - .84 Zenithal projections
 - .85 Equivalent projections
- .9 Surveying**
 - .91 Instruments and methods See 526.2
 - .92 Measurement of distances

DECIMAL CLASSIFICATION

- 526.93 Measurement of angles
- .94 Measurement of heights
- .95 Leveling See 526.36-.38
- .96 Plotting
- .97 Computation of areas
- .98 Topographic drawing
- .99 For special purposes: military, naval, railroad, mining, etc.

527 Navigation

- .1 **Finding latitude at sea** See also 525.41
- .2 **Finding longitude at sea** See also 525.46
- .3 **Finding time at sea** See also 529.74
- .4 **Sumner's method**
- .5 **Great circle sailing**

528 Ephemerides Nautic almanacs

- .1 **American**
- .2 **English**
- .3 **German**
- .4 **French**
- .5 **Italian**
- .6 **Spanish**
- .7 **Slavic**
- .8 **Scandinavian**
- .9 **Construction of ephemeris**

529 Chronology

- .1 **Sidereal and solar day**
Apparent and mean time, equation of time, causes of inequality
- .2 **Solar year, months**
- .3 **Calendars; including early and Oriental**
- .4 Calendar of Julius Caesar
- .5 Calendar of Gregory, 1582- Almanacs
- .6 **Ecclesiastic calendar: determination**
For feasts, etc. and calendars themselves, see 264.021, 264.031, etc
- .7 **Horology**
- .71 Finding time by transit
- .72 Finding by equal altitudes
- .73 Finding by single altitude
- .74 Finding by sextant See also 527.3
- .75 Time systems, and standards
- .76 Distribution of time
- .77 Cosmic time
- .78 **Instruments for measuring: dials, hourglasses, clocks, watches, etc.**
See 522.51 for Sidereal clocks and chronometers
See 681 for Clock and watch making

530 Physics

Like Science in general: viz, general works only are arranged

- 530.1 Philosophy .2 Compends, textbooks .3 Dictionaries .4 Essays, lectures, etc.
 .5 Periodicals .6 Societies .7 Education, methods of teaching, experiments
 .8 Physical units, measuring instruments .9 History

531 Mechanics

- .1 **Pure motion Kinematics**
- .2 **Statics Graphic statics**
- .21 Force and its measure
- .22 Composition of forces and motions
- .23 Moments
- .24 Parallel forces Center of gravity
- .3 **Dynamics Kinetics**
- .31 Rectilinear motion
- .32 Vibration
- .33 Undulation
- ~~.34 **Rotation**~~
- .35 Centrifugal and centripetal force
- .4 **Work Friction** See 621.89 Lubrication
- .41 Unit of work
- .42 Diagram of work
- .43 Laws of friction Modulus of machines
- .44 Sliding friction
- .45 Rolling friction
- .5 **Gravity**
- .51 Law of universal gravitation
- .52 Laws of falling bodies
- .53 Pendulum
- .54 Mass, density, etc.
- .55 Projectils
- .58 Apparatus for illustration
- .6 **Conservation of energy**
- .7
- .8 **Machines Transmission of force**
 See also 621.8 Mechanism of transmission
- .81 Lever and balance
- .82 Wheel and axle
- .83 Cord and catenary
- .84 Pulley
- .85 Inclined plane
- .86 Wedge
- .87 Screw
- .88
- .9 **Tables Problems Questions**

532 Liquids Hydrostatics Hydraulics

- .1 Properties of liquids Pressure
- .2 Equilibrium of liquids
- .3 Buoyant effects Floating bodies
- .4 Specific gravity Hydrometer
- .5 Liquids in motion Hydrodynamics
- .51 Theoretic flow
- .52 Orifises, adjutages, fluid vein
- .53 Weirs, overfalls
- .54 Pipes, open channels, rivers
- .55 Bends, valvs, sudden enlargements and contractions
- .56 Efflux; variable pressure
- .57 Hydrometry Velocity
- .58 Impulse and resistance
- .59 Theory of waves
- .6 Capillary attraction
- .7 Osmose Absorption
- .8 Applications Machines See 621.2 Water engines
Except for libraries making Physics much more prominent than Useful arts, all the 'Applications' will be more useful under their proper heds in Useful arts. It is better to keep all the material in one place, referring to it from the other, rather than attempt division
- .81 Hydraulic press See also 621.266
- .82 Hydraulic engin See also 621.25
- .83 Water ram See also 621.27
- .84 Water wheels See also 621.21
- .85 Water blast See also 621.269

.9 Tables Problems Questions

533 Gases Pneumatics

- .1 Properties of gases and vapors Absorption
- .2 Laws of compressibility
- .3 Atmosphere
- .4 Barometer
- .5 Air pump
- .6 Aeronautics
- .7 Kinetic theory of gases
- .8 Applications See 621.6 Blowing and pumping engins
Preferably clast in Useful arts, see 532.8, note
- .82 Manometer Pressure gages See 621.18 Steam generation
- .83 Condensing pump
- .84 Force pump
- .85 Suction pump
- .86 Diving bell
- .87 Forge bellows
- .88 Pneumatic dispatch
- .9 Tables Problems Questions

534 Sound Acoustics

- .1 Theory Undulations
- .2 Propagation of sound: velocity, diffraction
- .3 Musical sound Tuning forks See also 781.1 Theory of music
- .4 Analysis of sounds Resonators
- .5 Superposition of vibrations
- .6 Graphic representations
- .7 Physiologic: ear and larynx
For other relations see Ear, Larynx, in Relativ index following Table
- .8 Applications Preferably class with topics elsewhere See 532.8, note
- .81
- .82
- .83 Signals in navigation See also 654.9 Communication
- .84 Applications to architecture
- .85 Musical instruments See also 780 Music
- .86 Phonograf
- .9 Tables Problems Questions

535 Light Optics

- .1 Theory
- .2 Propagation Velocity Measurement of light
- .3 Reflection Refraction Absorption
See also 522.92 Astronomy
- .4 Dispersion Diffraction Interference
- .5 Polarization Polaroscope Double refraction
- .6 Color
- .7 Physiologic: eye
Optical principles of sight. See also Eyes in Relativ index
- .8 Applications Preferably class with topics elsewhere See 532.8, note
- .81 Lenses and prisms
- .82 Microscopes and magnifiers See also 578 Microscopy
- .83 Telescopes See also 522.2 Astronomy
- .84 Spectroscopes and spectrum analysis
Most general number. See also Spectroscopy, Spectrum, in Relativ index for other relations and applications
- .85 Photografy See also 770
- .86 Other applications of lenses
- .87 Mirrors and reflecting instruments
- .88 Lighthouses See also 627.9 Harbor engineering; 656 Commerce
- .89
- .9 Tables Problems Questions

536 Heat

- .1 Theory Nature**
- .2 Communication**
- .3 Action of bodies on heat**
 - .31 Reflection
 - .32 Refraction
 - .33 Radiation
 - .34 Absorption
 - .35 Diathermancy
- .4 Effects Action of heat on bodies**
 - .41 Expansion
 - .42 Liquefaction
 - .43 Solidification
 - .44 Vaporization and condensation
 - .45 Incandescence
 - .46 Combustion Flame
- .5 Temperature** See also 551.52 Meteorology; 613.18 Hygiene
- .51 Thermometry
- ~~.52 Pyrometry~~
- .53 Electric methods of measuring
- .6 Calorimetry**
- .7 Thermodynamics Mechanical equivalent**
- .8 Applications** Preferably go in Useful arts. See 532.8, note
 - .81 Steam engines See 621.1 Engineering
 - .82 Gas engines See 621.43 Engineering
 - .83 Heating See 697, 621.19, 628.8, 644
 - .84 Ventilation See 697, 622.4, 628.8
- .9 Tables Problems Questions**

537**Electricity**

See also 621.3 Electric engineering

- .1 Theory Nature**
- .2 Static**
 - .21 Quantity, potential
 - .22 Conduction, distribution
 - .23 Machines
 - .24 Condensers
 - .25 Electrometers
- .3**
- .4 Atmospheric Lightning rods**
- .5 Dynamic**
 - .51 Theory of coils Constants
 - .52 Induction spark
 - .53 Induction spark in rarified gases
- .6 Electro dynamics**
- .7 Electric measurements**

NATURAL SCIENCE

- 537.8 Applications** Preferably class in Useful arts. See 621.3, and 532.8, note
- .81 **Telegraf** For telegraf business see 654
 - .82 **Telefone Microfone**
For telephone business see 654.6
 - .83 **Dynamos Electric lighting**
 - .84 **Tranmission of power Storage**
 - .85 **Electrometallurgy**
 - .86 **Galvanometers Batteries Coils**
 - .87 **Medicin** See also 615.84
 - .88 **Electric signals** See 654.9
 - .9 **Tables Problems Questions**

538 Magnetism

For Animal magnetism, Mesmerism, etc., see 134

- .1 **Theory Properties of magnets Lines of force**
- .2 **Communication Induction Touch**
- .3 **Electromagnetism**
- .4 **Diamagnetism**
- .5
- .6
- .7 **Terrestrial magnetism**
- .8 **Applied Magnetic machines**
- .9 **Tables Problems Questions**

539 Molecular physics

- .1 **Theory Molecular structure** Vortex rings
- .2 **Properties of solids**
- .3 **Elasticity Torsion**
- .4 **Strength of materials**
See also 620.1 Engineering materials
- .5 **Permanent displacement of molecules**
- .51 **Malleability**
- .52 **Ductility**
- .53 **Hardness**
- .54 **Tempering**
- .6 **Intermolecular forces**
- .7 **Radioactivity**
See also 541.38 Radiochemistry; 546.432 Radium
- .8
- .9 **Tables Problems Questions**

540 Chemistry

Pure or theoretic chemistry

.1 Early theories, alchemy, phlogiston .2 Compendis .3 Dictionaries, cyclopedias .4 Essays, lectures, etc. .5 Periodicals .6 Societies .7 Education, methods of teaching .8 Collectiv works .9 History

SUMMARY

- 541-542 **General chemistry**
 - 541 Chemic theories
 - 542 Operativ and experimental chemistry
- 543-545 **Analytic chemistry**
 - 543 Analysis
 - 544 Qualitativ analysis
 - 545 Quantitativ analysis
- 546 **Inorganic chemistry**
- 547 **Organic chemistry**

REFERENCES

- | | | | |
|---------|-----------------------|-----|-------------------|
| 612.015 | Physiologic chemistry | 660 | Chemic technology |
| 615 | Medical | 669 | Metallurgy |
| 616.076 | Pathologic | 770 | Photografy |

Biochemistry

541 Theoretic chemistry Physical chemistry

Modern chemic theories General properties of bodies from chemic point of view
 Composition Constitution Elements and compounds Affinity
 Formulas Nomenclature

.1

.2 Atomic theory

Ultimate constitution of matter. Nature and phases of ultimate particles: atoms, ions, anions, kations, electrons. Atomicity. Relationship of mass to chemic properties of bodies. Laws of chemic combination: weight, definit proportions, equivalence, multiple proportions. Laws of volume for gases. Simple or compound nature of chemic elements. Molecules. Atomic and molecular weights; methods of determination. Atomic and molecular volumes. Laws fundamental to atomic theory; see also 541.9 Classification, periodic law, etc.

See also physics, 532.4 Specific weights

.3 Physical chemistry

Borderland between physics and chemistry. Including densities in different phases; chemic affinity, statics and dynamics; thermochemistry and electrochemistry

31 Solid state

See also physics, 536.43 Solidification; 539.2 Properties of solids

.32 Liquid state

See also physics, 532.1 Properties of liquids; 536.42 Liquefaction; 541.34 Solution

.321 General

Surface tension, vapor tension, viscosity, capillarity

.325 Special types of liquids: gelatinous liquids

.326 Inorganic liquids

327 Organic liquids

.33 Gaseous state

Subdivide like 541.32. See also physics, 533.1 Properties of gases; 516.44 Vaporization

NATURAL SCIENCE

- 541.34 Solute state Solubility
- .341 General
 Surface tension, viscosity, diffusion, osmosis, conductivity. See also
 532.7 Osmose of liquids; 542.7 Dissolving
- 1 Theories: kinetic, hydrate and dissociation
- 2 Laws Terminology
- .342 Solution pressure Solubility
 Tables of solubility
- .344 Solubility and solution of different forms
 1 Solids 2 Liquids 3 Gases Absorption
- .345 Solution types
 2 Colloid solutions Emulsions
 Including general discussion of colloids
-
- .346 Solvents
- .35 Photochemistry
 Relation of light to chemic action of polarized light to chemic structure, etc.
- .36 Thermochemistry
 Relationship of heat to chemic properties of bodies. Thermodynamics and energetics applied to chemistry. Relations between specific heat and chemic constitutions. Molecular heats; atomic heats; latent heats of physical, allotropic, and chemic transformations. Principle of initial and final phases. Study of changes of phase. Melting points and boiling points. Liberation and absorption of heat in reactions. Exothermic and endothermic reactions. Variation with temperature of the quantity of heat used in transformations. Principle of maximum work
- .37 Electrochemistry
- .378 Magnetochemistry
- .38 Radiochemistry (or 537.53)
 Chemistry of radioactiv substances. See also 539.7 Radioactivity; 546.432 Radium
- .39 Chemic dynamics, statics and equilibrium Affinity
 Homogeneous and heterogeneous chemic equilibriums. Kinetic theory of chemic equilibriums (of Guldberg and Waage, Pfaundler, van't Hoff); thermodynamic theory (of Willard Gibbs, of Horstmann, of van't Hoff, of Duhem, etc) Reaction velocities. Accelerating and retarding influences. Catalysis. See also in physics 536.7 Thermodynamics and energetics Variation of affinity with physical conditions. Valence. Combinations. Unlimited and limited decomposition. Dissociation, efflorescence, limits of dissociation and maximum dissociation. Combustion
- .4 Various types of compounds
 Acids, bases, salts, alloys
- .5 Molecular types
- .6 Compound radicals
 Stereochemistry Formulas of structure
- .7 Allotropy
 Isomerism Amorfous and crystallin states Tautomerism Polymerism
 Class here material on structure not included in 541.6
- .9 Other general subjects
 Classification Nomenclature Notation Formulas Stoichiometry
 Tables Periodic law

- 542 **Practical and experimental chemistry**
 Manipulations Chemic operations For analyses see 543-545
- .1 **Laboratories**
 Interior construction and installation General arrangements For architecture see 727.5
- .2 **Apparatus and manipulations** For special apparatus see 542.3-.6
- .21 Manipulations Arrangements Procedure
- .22 Preparation of substances
 Mechanic separation: trituration, pulverization, porphyzation; mortars and pestles, crushers, sifting and sivs. Disintegration by wetting heated mass. Levigation
- .23 Laboratory receptacles and their accessories
 For uses of receptacles see also various processes and operations
- .231 Glass and quartz
 Beakers, bottles, flasks, retorts, test tubes, funnels, adapters, glass rods and tubing
- 5 **Glass manipulation: blowing, grinding**
- .232 Porcelain
 Evaporating dishes, tubes, retorts. Refractory pottery: crucibles, plates
- .233 Metallic
 Containers made of platinum, silver, iron, nickel, aluminum etc.
- .24 Supports Fixt. adjustable, wood. Triangles, tripods, clamps
- .25 Stoppers Glass, cork, rubber Corkborers
- .26 Rubber tubing Luting and cements
- .29 Other appliances
- .3 **Mesuring apparatus**
- .32 Determination of weights and density
 Balances and weights Descriptions and directions for use
- .33 Specific gravity apparatus Class preferably in 532.4
- .35 Determination of volume
 Mesuring volume of liquid Calibrated vessels Graduated pipets, burets and cylinders
- .4 **Heating Distillation**
 See also 536.5 Mesurement and regulation of heat; 542.53 Blowpiping
- .41 General
- .42 Heating with coal
 Laboratory furnaces: trough, cupola, reverberatory, tubular, cupel, blast
 Tube furnaces for organic analysis
- .43 Heating with liquid fuels, etc. Lamps; special burners
- .44 Heating with gas
 Coal gas, carburetted air, acetylene, etc.
 Fishtail and Bunsen burners; gas furnaces and grates; pressure regulators
- .46 Indirect heating
 Baths and heaters: water baths; salt, metal and oil baths; metal plates or wire gauzes
- .47 Electric heating
 Heaters, muffles and furnaces; kryptol furnaces
 See also 542.8 Electric and galvanic manipulations
- .18 **Operations**
 Melting, fusing, boiling. Vaporization, distillation Distilling apparatus, alembics or stills. Deflegmators. Vacuum operations
 Evaporation with heat: sublimation, dessication. For evaporation in vacuum see 542.77
- .49 Other heating operations

542.5 Flames Blowpipes

See also 544.2 Dry methods of analysis; 669.9 Assaying

- .51 **Flame**
Nature of flame; candle flame; oxidizing and reducing flames
- .52 **Coloration of flame**
Beads, colored beads Composite flames
- .53 **Blowpipes**
Varieties of blowpipes and how to use them
For applications see Blowpiping in Relative index following Tables
- .6 Aqueous and liquid treatment**
Dissolving, aqueous separation, levigation, etc; alcohol, ether, carbondisulfid, hydrocarbons, etc.
- .61 **Dissolving Solution**
Solvents, maceration, digestion, decoction, lixiviation
- .62 **Determination of solubility Supersaturation**
Supersaturated solution
- .63 **Diffusion**
Lowering the solidification point or surfusion
- .64 **Dialysis Dialyzers**
See also qualitative analysis 544.5 Dialysis
- .65 **Solidification**
Precipitation, crystallization, crystallizers
- .66 **Decantation**
Decantation funnels, Florentin receivers, sifons, pipets
- .67 **Filtration and filters**
Filtration with textiles, with paper, thru cotton, asbestos, powders, etc.
Hot filtration Filtration in sealed vessels, by suction, by compression
Filter presses
- .68 **Expression and presses** Drying of press residues; drying machines
- .69 **Washing** Continuous, automatic; decantation, wash bottles
- .7 Gas manipulation**
See also 545.7 Eudiometry
- .71 **General**
- .72 **Gas production**
- .73 **Gas collecting and decanting**
Pneumatic trough, gas sampling-tube, gas pipets; displacement and decanting
- .74 **Washing and dissolving gas**
Wash bottles Apparatus for drying and absorbing gas
- .75 **Gas storage** Gasometers, rubber bags
- .76 **Gas measurement** Graduated tubes, meters
- .77 **Rarefaction of gas**
Pumps: air, vacuum, mercury; blowing engines, bellows, suction gasometers, manometers; vacuum regulators; trompes
See also physics, 533.5 Air pumps
- .78 **Gas compression**
Sealed tubes and bulbs, bellows, compression pumps, gasholders
- .79 **Gas liquefaction and solidification**
Faraday tubes Apparatus for expansion; of Thilorier; of Cailletet and Linde

DECIMAL CLASSIFICATION

542.8 Electric and galvanic manipulations

See also physics, 537.85 Applications of electricity to chemistry. Class here only apparatus for preparing chemic substances, not apparatus for study of phenomena. For analytic apparatus see special substance under 543 or special process under 544 or 545

.9 Other operations

Attacks by acids and gases; oxidations, reductions etc

543-545 Analytic chemistry

543 Analysis

Divided by material analyzed, whether qualitatively or quantitatively; i.e. substance takes precedence of process. Class in 543 general works covering both qualitativ and quantitativ analysis

See also 614.3 Adulterations

.1 Analysis of food and drink

See also 613.2 Hygiene, 612.39 Nutrition

.2 Dairy products Milk

See also agriculture, 637 Dairy products

.3 Water

See also hygiene 613.31 Water as a beverage; and therapeutics 615.79 Mineral waters

.4 Analysis of drugs and medicins

See also 614.35 Inspection of drugs; 615 Medicin

.5 Poisons

See also 615.9 Toxicology

.6 Analysis of rocks and ores

See also 549 Mineralogy, 669.9 Assaying, 631 Agricultural chemistry

.7 Analysis of inorganic products in general

For general works and special matter not provided for in previous subdivisions of 543

.8 Analysis of organic products in general

For general works and special matter not provided for in previous subdivisions of 543

.9 Analysis of organic products of animal origin

For general works and special matter not provided for in previous subdivisions of 543 See also 577 Biology

544 Qualitativ analysis

- Determination of chemic elements of substances General processes and methods
- .1 **Wet method**
- .11 Reagents
- .12 Determination of bases
- .13 Determination of acids
- .2 **Dry method**
See also 669.9 Assaying
- .3 **Blowpiping**
For other relations see Relativ index
- .4 **Gas analysis Reactions**
Identifying an isolated gas Analysis of gaseous mixtures See also 545.7
Eudiometry
- .5 **Dialysis**
For technic see 542.64; for electric dialysis see 542.8
- .6 **Spectrum analysis**
See also physics, 535.84 Spectrum analysis
- .7 **Polariscopic analysis**
See also physics, 535.5 Polarization
- .8 **Microscopic examinations**
- .9 **Other methods**
Electro analysis
- .92 **Capillary analysis**

545 Quantitativ analysis

- .1 **Gravimetric**
Analysis by weighing, sampletaking
- .2 **Wet method**
Titration solution, alkalimetry, acidimetry
- .3 **Electric methods**
See also physics, 537.85 Electrometallurgy
For galvanoplastics see 671
- .311 Constant current analysis
- .312 Constant voltage analysis
- .36 Catalytic analysis
- .4 **Dry method**
Quantitativ analyses with blowpipe, cupellation, etc.
See also 669.9 Assaying
- .5 **Titrometric methods in general**
- .6 **Volumetric analysis of liquids**
See also 542.3 Mesuring apparatus
- .7 **Volumetric analysis of gases**
Eudiometry and eudiometers; gas burets, absorption pipets
See also 544.4 Gas analysis
- .8 **Other methods**
Colorimetric Polarimetric Refractometric
- .9 **Synthesis**
General processes
- .97 **Electric synthesis**

546-547 Inorganic and organic chemistry

546 Inorganic chemistry

- 1 Nonmetallic elements *Arrange alphabetically under name.*
- .11 Hydrogen
- .12 Halogen group
- .13 Chlorin
- .14 Bromin
- .15 Iodin
- .161 Fluorin
- .17 Nitrogen group Nitrogen
- .18 Phosphorus
- .191 Arsenic
- .2 Oxygen group
- .21 Oxygen
- .22 Sulfur
- .23 Selenium
- .241 Tellurium
- .25 Carbon group ----- 546.1
- .26 Carbon C₂
- .27 Boron
- .28 Silicon
- .29 Helium group
- .291 Helium
- .292 Neon
- .293 Argon
- .294 Krypton
- .295 Xenon
- 2.3 Metals *(Same here)*
- .31 Alkali group
- .32 Potassium
- .33 Sodium
- .34 Lithium
- .35 Rubidium
- .36 Caesium
- .37
- .38
- .39
- .4 Alkalin earths
- Calcium and magnesium groups considered together
- .41 Calcium
- .42 Strontium
- .43 Barium
- .432 Radium *See also 539.7 Radioactivity; 541.38 Radiochemistry*
- .44 Magnesium group
- .45 Beryllium or glucinum
- .46 Magnesium
- .47 Zinc
- .48 Cadmium
- .49

NATURAL SCIENCE

546.5	Led and silver group	
.51	Led	
.52	Thallium	
.55	Silver group	
.56	Copper	
.57	Silver	
.58	Mercury	
<hr/>		
.6	Cerium group	Rare earths
.61	Yttrium	
.62	Cerium	
.63	Lanthanum	
.64	Didymium	
.642	Praseodymium	
.643	Neodymium	
.65	Erbium	
.652	Ytterbium	
.653	Terbium	
.66	Aluminum	
.67	Indium	
.68	Gallium	
.69	Other metals of rare earths	
.691	Scandium	
.692	Samarium or decipium	
.694	Gadolinium	
.695	Germanium	
.696	Europium	
.697	Thulium	
.7	Iron group	
	Iron and chromium groups considered together	
.71	Manganese	
.72	Iron	
.73	Cobalt	
.741	Nickel	
.75	Chromium group	
.76	Chromium	
.77	Molybdenum	
.78	Tungsten or wolfram	
.791	Uranium	See also 541.38
.8	Tin group	
	Tin and vanadium groups considered together	
.81	Tin	
.82	Titanium	
.83	Zirconium	
.841	Thorium	See also 541.38
.842	Actinium	See also 541.38
.85	Vanadium group	
.851	Vanadium	
.86	Antimony	
.87	Bismuth	
.88	Tantalum	
.891	Niobium or columbium	
.892	Polonium	See also 541.38

DECIMAL CLASSIFICATION

- 546.9 **Platinum group**
 .91 Gold
 .92 Platinum
 .93 Iridium
 .94 Osmium
 .95 **Ruthenium group**
 .96 Ruthenium
 .97 Rhodium
 .98 Palladium
 .99 **False and putativ elements**
 Arrange alphabetically
- 547 **Organic chemistry**
 .1 **Cyanogen and its compounds**
 .2 **Hydrocarbons Fatty series**
 For occurrence as minerals see 549.8
 .21 Paraffins
 .22 Olefins
 .23 Acetylenes
 .24 Valylene Dipropargyl, etc.
 .25 **Aromatic series**
 .26 Benzenes
 .27 Diphenyl group
 .28 Naphthalene Anthracene Phenanthrene
 .29 Higher series
 .3 **Alcohols Phenols**
 .4 **Ethers: simple, compound; haloid**
 .5 **Aldehydes**
 .6 **Ketones Quinones**
 .7 **Acids: acid halids, acid anhydrids, sulfo-acids**
 .8 **Nitroderivates: amins, compound ammoniums, amids,**
 amic acids, azo-bodies, azoxy-bodies, hydrazo-bodies
 diazo-bodies
 .9 **Compounds with metals**

Subdivided like 547.2

548 Crystallografy

General; phenomena of a special mineral belong with that mineral; e. g. cleavage of borates 549.73

- .1 Systems of crystallization
- .2 Twin crystals Crystallin aggregations
- .3 Cleavage Isomorfism Polymorfism
- .4 Irregularities Internal imperfections
- .5 Formation and growth of crystals
- .6 Pseudomorfs
- .7 Mathematic: mesurement of angles
- .8 Physical
- .9 Optical

549 Mineralogy

.01 Philosophy, classification .02 Compendis .03 Dictionaries .04 Essays, papers, etc. .05 Periodicals .06 Societies .07 Study and teaching, museums .08 Collectiv works .09 History

- .1 **Determinativ Blowpiping**
See also 543.6 Methods of analysis of rocks and ores
See 542.53 Blowpipes and their manipulation. For other relations see Blowpiping in Relativ index following Tables
- .2 **Nativ elements**
- .3 **Sulfids, tellurids, selenids, arsenids, antimonids, bismuthids**
- .4 **Compounds of chlorin, bromin, iodin, and fluorin**
- .5 **Oxygen compounds: oxids**
- .6 **Silicates**
- .61 Anhydrous
- .65 Hydrous
- .7 **Other ternary oxygen compounds**
- .71 Tantalates Columbates
- .72 Phosphates Arsenates Vanadates Antimonates
 Nitrates
- .73 Borates
- .74 Tungstates Molybdates Chromates
- .75 Anhydrous sulfates
- .76 Hydrous sulfates
- .77 Tellurates
- .78 Carbonates
- .79 Oxalates
- .8 **Hydrocarbons**
Occurrence as minerals. For chemistry of hydrocarbons see 547.2; for economic geology see 553.2
- .9 **Geografic distribution**

550 Geology

550.1 Philosophy, theories, geologic time .2 Compendia .3 Dictionaries .4 Essays, papers, tracts, letters .5 Periodicals .6 Societies .7 Study and teaching. museums .8 Collectiv works .9 History

551 Physical and dynamic geology

Including geophysics (physiography, physical geography) and geochemistry broadly treated; see also 551.94. For Cosmic geography, see 523

.1 Structure of earth as a whole

- .11 Interior of earth
- .12 Internal heat
- .13 Earth's crust
- .14 Conductivity of rocks

.2 Seismology

- .21 Volcanoes
- .22 Earthquakes
- .23 Hot springs, geysers
- .24 Oscillations of the earth's crust

.3 Erosion and deposition

- .31 Glaciers and glacial phenomena
- .32 Moraines
- .33 Transported materials, till
- .34 Icebergs
- .35 Aqueous erosion
- .36 Coast changes
- .37 Aerial erosion

.4 Surface features of the earth

Physical geography

- .41 Continents
- .42 Islands
- .43 Mountains Valleys Orology
- .44 Caves
- .45 Plains
- .46 Oceans
- .47 Ocean currents
- .48 Rivers Lakes
- .49 Springs Wells Ground water

Division of Oceans for use under .46 and .47

- 1 Atlantic North sea Baltic
- 2 Mediterranean Black sea
- 3 Gulf of Mexico Caribbean
- 4 Southern Atlantic
- 5 Pacific
- 6 Eastern Pacific or American coast
- 7 Indian Bay of Bengal Red sea
- 8 Arctic
- 9 Antarctic

.5 Meteorology Climate (Reports of weather Bureau)

- .51 Atmospheric currents Winds
- .52 Thermometry, heat

For other relations see Heat, Temperature, in Relativ index following Tables

- .53 Hypsometry, elevations See 526.36-8 for methods
- .54 Barometry, pressure
- .55 Storms
See also 537.4 Atmospheric electricity
- .57 Moisture: rainfall, flow of streams, floods
- .58 Prairies, forests, and deserts

- 551.6 Metamorfism**
- .7 Stratigrafic geology**
 - .71 Archean
 - .72 Primary, paleozoic, Cambrian
 - .73 Silurian
 - .731 Lower Silurian
 - .732 Upper Silurian
 - .74 Devonian Old red sandstone
 - .75 Carboniferous
 - .76 Secondary, mesozoic, triassic and Jurassic: lias, oolite
 - .77 Cretaceous
 - .78 Tertiary, cenozoic
 - .781 Eocene, oligocene
 - .782 Miocene
 - .783 Pliocene
 - .79 Quaternary Postpliocene Glacial
 - .791 Recent
- .8 Structural geology**
 - .81 Stratification
 - .82 Curvature and contortion
 - .83 Ripple marks and sun cracks
 - .84 Joints Cleavage Polarity in rocks
 - .85 Dip Outcrop Strike
 - .86 Anticlinal Synclinal
 - .87 Faults and folds Dislocations
 - .88 Veins Dykes Necks Bosses
 - .89
- .9 Agents of geologic work**
 - .91 Frost
 - .92 Water
 - .93 Atmosphere
 - .94 Geochemistry
 - Chemic changes: heat. See also note to 551
 - .95 Animals
 - .96 Coral reefs
 - .97 Plants
 - .98 Segregation and concretion
 - .99 Other agents

552 Lithology Petrography Petrology

.1 **Igneous rocks**

- .2 Volcanic rocks
- .21 Lavas Scoria
- .22 Volcanic ashes Volcanic tufa Tuff
- .23 Obsidian Pumice Pitchstone
- .24 Trachyte
- .25 Rhyolite
- .26 Andesite Dacite Phonolite
- .27 Felsites
- .28 Basalt
- .29 Other volcanic rocks

.3 **Plutonic rocks**

- .31 Porphyry Porphyrite
- .32 Syenite
- .33 Granit
- .34 Diabase and gabbro
- .35 Dolerite
- .36 Diorite
- .37 Norite
- .38 Peridotite
- .39 Other Plutonic rocks

.4 Metamorphic rocks

- .41 Granits and syenites
- .42 Gneiss
- .43 Schists
- .44 Slates Argillite Phyllite
- .45 Quartzite Novaculite Itacolumite
- .46 Marble Crystallin limestone
- .47 Serpentine
- .48 Chrysolitic rocks
- .49 Other metamorphic rocks

.5 Sedimentary rocks

- .51 Sandstone Conglomerate Sand Gravel
- .52 Shale Clay Silt
- .53 Gypsum Salt
- .54 Limestone Marl Ooze
- .55 Dolomite
- .56 Oolite
- .57 Infusorial or diatomaceous earth
- .58 Glauconite Greensand
- .59 Other sedimentary rocks

.6 Meteorites

.7 Decay of rocks

- 552.8 **Microscopic petrography**
 .81 Determination of rock minerals
 .82 Rock structure

553 **Economic geology** See also 622 Mining engineering

- Ore deposits**
 .11 Formation and structure
 .12 Classification
 .13 Superficial: placers
 .14 Stratified: beds, etc.
 .15 Unstratified
 .16 Disseminated thru eruptiv rocks
 .17 Stockwerks Fahlbands Contacts
 .18 Chambers and pockets Impregnations
 .19 Mineral veins

- Carbon series**
 .21 Peat
 .22 Lignite and jet
 .23 Cannel coal Bituminous shale
 .24 Bituminous and semibituminous coals
 .25 Anthracite and grafitic anthracite
 .26 Grafite Plumbago
 .27 Asfalt and asphaltic coals Ozocerite
 .28 Petroleum Natural gas
 .29 Fossil gums and resins

While the history of all other products goes in 553. history of metals is more useful in 669, Metallurgy

- Ores of iron**
Ores of metals other than iron
 .41 Ores of gold
 .42 Ores of silver
 .43 Ores of copper
 .44 Ores of led
 .45 Ores of zinc and tin Mercury
 .46 Ores of manganese and chromium
 .47 Ores of antimony and arsenic
 .48 Ores of nickel and cobalt
 .49 Other metallic ores

- Bilding stones**
 .51 Marbles and limestones
 .52 Granits and syenites
 .53 Sandstones
 .54 Slates
 .55 Serpentine Soapstones
 .56 Porphyries
 .57 Trap
 .58 Tufa Peperino
 .59 Other bilding stones

DECIMAL CLASSIFICATION

553.6 Earthy economic minerals

- .61 Fire clays Brick clays Potter's clays
- .62 Sands
- .63 Rock salt Gypsum
- .64 Phosphates Apatite Guano *See also 631.85*
- .65 Emery Corundum
- .66 Hevy spar Sulfur
- .67 Asbestos, etc.
- .68 Limes and mineral cements
- .69 Other earthy economic minerals

.7 Mineral waters

Divide general works with 0 geografically like 930-999; e.g. Mineral waters of Germany, 553.7043

- .71 Alkaline
- .72 Saline
- .73 Chalybeate, ironbearing
- .74 Sulfuric
- .75 Calcic

See also 551.23

.8 Gems Ornamental stones

.9 Other economic minerals

- 554** Geology of Europe *554-559 subdivided by countries like 940-999*
- 555** Geology of Asia
- 556** Geology of Africa
- 557** Geology of North America
- 558** Geology of South America
- 559** Geology of Oceania Polar regions

560 Paleontology *Use form divisions as in 550 and divide .9 geografically like 930-999; e.g. Paleontology of England is 560.042*

- 561** Plants *561 is subdivided like Botany, 580*
- 562** Invertebrates *562-569 is subdivided like Zoology, 592-599*
- 563** Protozoa Radiates
- 564** Mollusks
- 565** Articulates
- 566** Vertebrates
- 567** Fishes Batrachia
- 568** Reptils Birds
- 569** Mammals (*excluding man*)

570 **Biology** **Archeology**

- 570.1 Philosophy .2 Compendis .3 Dictionaries .4 Essays, lectures, etc.
 .5 Periodicals .6 Societies .7 Study and teaching, museums; nature study
 .8 Collectiv works .9 History

571 **Prehistoric archeology**

For Customs, see 390 For Archeology of special countries, see 913

- .1 Paleolithic, or early stone age**
 .11 Drift remains
 .12 Cave men
 .13 Remains of animals Shells
 .14 Chipt stones
 .15 Flint flakes Arrow heds Knives, etc.
 .16 Other stone remains
 .19 Other remains
.2 Neolithic, or late stone age
 .21 Stone quarries
 .22
 .23 Remains of animals
 .24 Polisht stones
 .25 Sharpend stones: celts, tools, wepons
 .26 Perforated stones: spindles, net sinkers, pipes
 .27 Hollowd stones: mortars, cups, food vessels
 .28 Other stone remains
 .29 Other remains
.3 Bronze age
 .31 Ancient copper and tin mining
 .34 Bronze remains
 .35 Tools Wepons, etc.
 .37 Cups Vessels
 .39 Other remains
.4 Iron age
.5 Other remains
 .51 Implements of wood
 .52 Implements of bone
 .53 Basket work
 .54 Textil fabrics
 .55 Pottery
 .56 Glass
.6
.7 Rudiments of art Ornaments
 .71 Drawings
 .72 Paint
 .73 Sculptures
 .74 Beads

DECIMAL CLASSIFICATION

- 571.8 Dwellings**
 .81 Natural caves
 .82 Earth houses Pit dwellings Weerns
 .83 Lake dwellings Crannoges
 .84 Cliff dwellings
 .85 Pueblos
 .86 Tents as dwellings
.9 Mounds and monuments
 .91 Mounds and mound bilders
 .92 Grave mounds
 .93 Kitchen middens Shell banks
 .94 Monoliths Cromlechs
 .95 Circles Labyrinths
 .96 Cairns
 .97
 .98
 .99
- 572 Ethnology Anthropology**
 See also 136.4 Mental race characteristics
.1 Unity of the human race
.2 Diversity of races
.3 Migrations of men
.4 Original home of man: Eden, Atlantis, etc.
 .5
 .6
.7 Savages: races divided by practises
 Class description of savages of special country in 914-919; c. r. Australian bush-men 919.4
.8 Races divided by language like 400
.9 Races divided by countries like 930-999
 Divide by countries where possible. Use language divisions for groups like Semitic, Aryan, Teutonic, English, etc.
- 573 Natural history of man Somatology**
.1 Man's place in nature
.2 Origin of man
.3 Antiquity of man
.4 Influence of climate and surroundings
.5 Color in man
.6 Anthropometry
.7 Craniology
.8 Dwarfs and giants
.9 Monstrosities
 See also 611.012 Teratology; 613.91 Congenital defects; 617.3 Deformities

574 Homologies

575 Evolution

See also 213 Creation; 215 Religion and science; 239.8 Apologetics

- .1 **Heredity**
For other relations see Heredity in Relativ index following Tables
- .2 **Variation** See also 591.15 Physiologic zoology
- .3 **Environment** See also 136.2 Mental; 573.4
- .4 **Natural selection** **Survival of the fittest**
- .5 **Sexual selection**
- .6 **Development**
- .7 **Degeneration**
- .8 **Origin of species**
- .9 **Origin of sexes** See also 591.36 Embryology

576 Origin and beginnings of life

[576-577 are undergoing revision that will change some numbers and greatly enlarge them in a later edition]

- .1 **Spontaneous generation**
- .2 **Protoplasm** **Bioplasm**
- .3 **Cells**
- .4 **Beginnings of motion and sensation**
- .5
- .6

577 Properties of living matter

- .1 **Chemic: difference between organic and inorganic**
- .2 **Life: difference between dead and living matter**
- .3 **Difference between vital and physical phenomena** — *growth*
- .4 **Conditions of life: moisture, temperature**
- .5 **Difference between plants and animals**
- .6 **Vital force**
- .7 **Deth** See also 612.013
- .8 **Sex in nature**
- .9

578 **Microscopy** See also 535.82 Optics

- .1 **Varieties of microscopes**
- .2 **Optic parts**
- .3 **Mechanical parts**
- .4 **Accessory apparatus and management of microscope**
- .5 **Illuminating apparatus**
- .6 **Preparation and mounting of objects**
- .7 **Special preparation and study of inorganic material**
- .8 **" botanic material** See 581.8 Histology
- .9 **" zoologic material** " 591.8

DECIMAL CLASSIFICATION

579 Collectors manuals

.1 Preparing skeletons

.2 Preservativs and hardening fluids

.3 Injections

~~.4 Taxidermy~~

.5 Mounting specimens

.6 Collecting

.611 Alluring; bait, light, etc.

.612 Hunting; nets, collecting bottle, etc.

.613 Killing

.614 Exchange Purchase

.615 Rearing

.616 Transporting

.7 Arrangement of specimens in museums

.71 Cabinets .72 Labels

.8 Preservation of specimens

.81 Museum pests .82 Pestifuges .83 Prevention of moisture .84 Retention of colors

.9

580 Botany

580.1 Philosophy, classification, nomenclature .2 Compendis .3 Dictionaries, cyclopedias .4 Essays .5 Periodicals .6 Societies .7 Study and teaching, herbariums, botanic gardens .8 Collectiv works .9 History

581 Physiologic and structural botany

Subdivided where wished like 591

- .1 **Physiology**
- .2 **Pathology** **Teratology**
- .21 Diseases
- .22 Teratology
- .23 Parasites
- .3 **Embryology** **Germination**
- .4 **Morfology** **Comparativ anatomy**
- .5 **Habits**
- .6 **Economic**
- .7 **Organografy** **Descriptiv anatomy**
- .8 **Histology** See 578.8

.9 Geografic

.91 Distribution of plants

Subdivide .93-.99 like 930-999 Use .92 for ocean, marine flora

This Geografic classification is to be used only for general works and cross references. 'Flora of North America' is put 581.97; but 'North American cryptogams' is clast 586 with a reference from 581.97, but North American phanerogams go with 581.97 because it so completely covers the subject

General works covering both Phanerogamia and Cryptogamia are put under 580 as books covering Vertebrates and Invertebrates are put under 590

In applying these numbers to Fossil plants, 561, note that one more figure must be used than in fossil animals. The Zoology numbers are already given in the 3d place in Paleontology, e. g. 592 Invertebrates, 562 Fossil invertebrates, and so on to 599 Mammals, and 569 Fossil mammals. But in Fossil plants, 561, all 8 sections are group together and the section number must be repeated. Fossil phanerogams are 561.2 not 562, which is assignd to Invertebrate zoology as more important. Lichens are 561.91, etc. In the same way the Fossil flora of North America is 561.197, i. e. the first 2 Botany figures, 58, are changed to 561 to give the corresponding Fossil botany number, while in zoology the only change is from 59 to 56 for first 2 figures, except in 591 which can not change to 561, which is assignd to Botany. The Fossil fauna of North America must therefore go among general works under 560.97

582 Phanerogamia See also 715 Trees; 634.9 Forestry

The subsections below are taken from the recognized authority, Bentham and Hooker's *Genera plantarum*

583 Dicotyledonæ

- .1 **Polypetalæ**
- .11 **Ranales**
- .111 Ranunculaceæ
- .112 Dilleniaceæ
- .113 Calycanthaceæ
- .114 Magnoliaceæ
- .115 Anonaceæ
- .116 Menispermaceæ
- .117 Berberideæ
- .118 Nymphæaceæ

DECIMAL CLASSIFICATION

583.12	Parietales
.121	Sarraceniaceæ
.122	Papaveraceæ
.123	Cruciferae
.131	Capparidæ
.133	Resedaceæ
.134	Cistineæ
.135	Violariæ
.137	Canellaceæ
.138	Bixineæ
.14	Polygalinæ
.141	Pittosporæ
.142	Tremandreae
.143	Polygaleæ
.145	Vochysiaceæ
.15	Caryophyllinæ
.151	Frankeniaceæ
.152	Caryophyllæ
.153	Sileneæ
.154	Alsineæ
.155	Polycarpeæ
.156	Portulacæ
.158	Tamariscineæ
.16	Guttiferales
.161	Elatinæ
.162	Hypericineæ
.163	Guttiferae
.166	Ternstroemiaceæ
.167	Dipterocarpeæ
.168	Chlænaceæ
.17	Malvales Malvaceæ
.18	Sterculiaceæ
.19	Tiliaceæ
.21	Geraniales
.211	Lineæ
.213	Humiriaceæ
.214	Malpighiaceæ
.221	Zygophyllæ
.223	Geraniaceæ
.23	Rutaceæ
.241	Simarubeæ
.245	Ochnaceæ
.247	Burseraceæ
.251	Meliaceæ
.255	Chailletiacæ

NATURAL SCIENCE

583.26	Olacales
.261	Olacineæ
.269	Ilicineæ
.27	Celastrales
.271	Celastrineæ
.274	Stackhousiæ
.275	Rhamneæ
.279	Ampelideæ
.28	Sapindales
.281	Sapindaceæ
.291	Sabiaceæ
.292	Anacardiaceæ
.297	Anomala
.298	Coriariæ
.299	Moringeæ
.3	Rosales
.31	Connaraceæ
.32	Leguminosæ
.37	Rosaceæ
.38	Saxifrageæ
.39	Crassulaceæ
.393	Droseraceæ
.394	Hamamelideæ
.396	Bruniaceæ
.398	Halorageæ
.4	Myrtales
.411	Rhizophoreæ
.414	Combretaceæ
.42	Myrtaceæ
.43	Melastomaceæ
.441	Lythriæ
.445	Onagariæ, cenothers
.45	Passiflorales
.451	Samydaceæ
.453	Loaseæ
.455	Turneraceæ
.456	Passifloreæ
.461	Cucurbiaceæ
.468	Begoniaceæ
.469	Datisceæ
.47	Ficoidales
.471	Cactæ
.475	Ficoideæ
.48	Umbellales
.481	Umbelliferæ
.491	Araliaceæ
.497	Cornaceæ

DECIMAL CLASSIFICATION

583.5	Gamopetales	
.51	Rubiales	Caprifoliaceæ
.52		Rubiaceæ
.53	Asterales	
.531		Valerianæ
.541		Dipsaceæ
.546		Calysereæ
.55		Compositæ
.57	Campanales	Stylidiæ
.58		Goodenoviæ
.59		Campanulaceæ
.6	Ericales	
.61		Vacciniaceæ
.62		Ericaceæ
.63		Monotropæ
.64		Epacrideæ
.65		Diapensiaceæ
.66		Lennoaceæ
.67	Primulales	
.671		Plumbagineæ
.672		Primulaceæ
.677		Myrsinæ
.68	Ebenales	
.681		Sapotaceæ
.685		Ebenaceæ
.686		Styraceæ
.7	Gentianales	
.71		Oleaceæ
.716		Salvadoraceæ
.72		Apocynaceæ
.73		Asclepiadeæ
.74		Loganiaceæ
.75		Gentianeæ
.76	Polemoniales	
.761		Polemoniaceæ
.764		Hydrophyllaceæ
.77		Boragineæ
.78		Convolvulaceæ
.79		Solanaceæ
.8	Personales	
.81		Scrophularinæ
.821		Orobanchaceæ
.825		Lentibulariæ
.829		Columelliaceæ
.83		Gesneraceæ
.84		Bignoniaceæ
.85		Pedalinæ
.86		Acanthaceæ
.87	Lamiales	
.871		Myoporinæ
.876		Selaginæ
.88		Verbenaceæ
.891		Labiataæ
.899	Ordo anomalus	Plantagineæ

583.9	Apetalæ	
.91	Curvembryæ	
.911	Nyctagineæ	
.912	Illecebraceæ	
.913	Amarantaceæ	
.914	Chenopodiaceæ	
.915	Phytolaccaceæ	
.916	Batideæ	
.917	Polygonaceæ	
.92	Multiovulatæ aquaticæ	
.921	Podostemaceæ	
.922	Multiovulatæ terrestres	Nepenthaceæ
.923	Cytinaceæ	
.924	Aristolochiaceæ	
.925	Micrembryæ	Piperaceæ
.926	Chloranthaceæ	
.927	Myristiceæ	
.928	Monimiaceæ	
.93	Daphnales	
.931	Laurineæ	
.932	Proteaceæ	
.933	Thymelæaceæ	
.934	Penæaceæ	
.935	Elæagnaceæ	
.94	Achlamydosporeæ	
.941	Loranthaceæ	
.943	Santalaceæ	
.947	Balanophoreæ	
.95	Unisexuales	
.951	Euphorbiaceæ	
.961	Balanopseæ	
.962	Urticaceæ	
.971	Platanaceæ	
.972	Leitnerieæ	
.973	Juglandææ	
.974	Myricaceæ	
.975	Casuarineæ	
.976	Cupuliferæ	
.98	Anomali	
.981	Salicineæ	
.983	Lacistemaceæ	
.984	Empetraceæ	
.987	Ceratophylleæ	

584	Monocotyledonæ
.1	Microspermeæ
.11	Hydrocharideæ
.13	Burmanniaceæ
.15	Orchideæ

DECIMAL CLASSIFICATION

584.2	Epigynæ
.21	Scitamineæ
.22	Bromeliaceæ
.23	Hæmodoraceæ
.24	Irideæ
.25	Amaryllideæ
.26	Taccaceæ
.27	Dioscoreaceæ
.3	Coronariæ
.31	Roxburghiaceæ
.32	Liliaceæ
.34	Pontederiaceæ
.35	Philydraceæ
.36	Xyrideæ
.37	Mayaceæ
.38	Commelinaceæ
.39	Rapateaceæ
.4	Calycineæ
.41	Flagellariæ
.45	Juncaceæ
.5	Palmæ
.6	Nudifloreæ
.61	Pandaneæ
.62	Cyclanthaceæ
.63	Typhaceæ
.64	Aroideæ
.68	Lemnaceæ
.7	Apocarpeæ
.71	Triurideæ
.72	Alismaceæ
.74	Naiadaceæ
.8	Glumaceæ
.81	Eriocaulæ
.82	Centrolepideæ
.83	Restiaceæ
.84	Cyperaceæ
.9	Gramineæ
585	Gymnospermæ
.1	Gnetaceæ
.2	Coniferæ
.9	Cycadaceæ
586	Cryptogamia
587	Pteridophyta
.1	Isoeteæ
.2	Equisetæ
.3	Filicinæ
.9	Lycopodinæ

588 Bryophyta

- .1 Sphagna
- .2 Musci
- .3 Hepaticæ
- .4 Characæ

589 Thallophyta

.1 Lichenes

- .11 Basidiolichenes
- .15 Ascolichenes
- .16 Angiocarpæ
- .17 Gymnocarpæ
- .18 Gelatinosæ
- .19 Byssacæ

.2 Fungi

- .21 Carposporeæ
- .22 Basidiomycetes
- .221 Gasteromycetes
- .222 Hymenomycetes
- .224 Tremellinæ
- .225 Uredinæ
- .227 Ustilaginæ
- .229 Entomophthoræ
- .23 Ascomycetes
- .231 Tubercacæ
- .233 Discomycetes
- .235 Pyrenomycetes
- .238 Gymnoasceæ
- .24 Oosporeæ
- .25 Peronosporæ
- .26 Saprolegniæ
- .27 Zygosporæ
- .28 Zygomycetes
- .29 Myxomycetes, mycetozo.

.3 Algæ

- .4 Carposporæ
- .41 Floridæ
- .47 Coleochaetæ
- .5 Oosporeæ
- .6 Zygosporæ
- .61 Conjugatæ
- .67 Zoosporeæ

.7 Protophyta

- .8 Chlorophyllacæ
- .9 Achlorophyllacæ
- .91 Saccharomycetes Yeast
- .95 Schizomycetes Bacteria Microbes

For other relations see Bacteria in Relative Index following Tables

590 Zoology

590.1 Philosophy, classification
lectures, etc. .5 Periodicals
gardens, aquaria, museums .8 Collectiv works

.2 Compendis
.3 Dictionaries
.4 Essays,
lectures, etc. .5 Periodicals
.6 Societies
.7 Study and teaching, zoologic
.9 History

591 Physiologic zoology

- .1 **Physiology**
- .11 Circulation
- .12 Respiration
 - .121 Nature
 - .122 Dermal
 - .123 Aquivascular
 - .125 Branchial
 - .126 Tracheal
 - .127 Pulmonary
 - .129 Exhalation of aqueous vapor
- .13 Nutrition
 - .131 Acquisition of food
 - .132 Digestion of food
 - .133 Assimilation of food
 - .134 Growth
 - .135 Development
 - .136 Repair of waste
 - .137 Production of organic material
 - .138 Conditions of nutritiv activity
 - .139 Longevity, vitality
- .14 Secretion and excretion
 - .141 Mucous and sebaceous
 - .142 Sericeous
 - .143 Digestiv: salivary, gastric, pancreatic
 - .144 Odoriferous, sweet, etc.
 - .145 Poisonous, gall formation, caprification
 - .146 Mammary, spermatic
 - .147 Lacrimal
 - .148 Biliary
 - .149 Urinary and fecal
- .15 Variation **See also 575.2 Evolution**
 - .151 Polymorphic
 - .152 Geografic
 - .153 Heterofagic
 - .154 Polygoneutic
 - .155 Mimetic
 - .156 Sexual
 - .157 Colorational
 - .158 Hybrids
 - .159 Monstrosities

NATURAL SCIENCE

591.16	Generation		
.161	Abiogenesis		
.162	Parthenogenesis, neuters		
.163	Metagenesis, pedogenesis, nurses		
.165	Fission and gemmation		
.166	Fecundation		
.167	Hermaphrodites		
.168	Vivipara		
.169	Superfetation		
.17	Histogenesis		
.171	Development of sperm cells		
.172	Development of germ cells, micropyle		
.179	Reparation of wounds		
.18	Nervous functions and sensation		
.19	Physiologic chemistry		
.2	Pathology		
.3	Embryology		
.33	Development of embryo		
.34	Metamorphosis, larva, pupa, molting		
.35	Hypermetamorphosis		
.36	Production of sexes		
	See also 575.9 Origin of sexes		
.4	Morphology	Comparativ anatomy	Homologies
.41	Circulatory organs		
.42	Respiratory organs		
.43	Nutritory organs		
.44	Secretory and excretory organs		
.45			
.46	Generatory organs		
.47	Motory organs		
.48	Nervous system		
.49	Integument	Dermoskeleton	Skeleton
.5	Habits and behavior		
	Including popular books; <u>animal stories</u> , except fiction		
.51	Instinct	Reason	
.52	Abode	Migration	
.53	Food		
.54	Seasons	Hibernation	
.55	Sociability		
.56	Philoprogenitiveness	Breeding	
.57	Means of protection	Fascination	
.58			
.59	Other habits		

DECIMAL CLASSIFICATION

- 591.6 Economic**
 .61 Usefulness
 .62 In nature
 .63 As food and medicin for man
 .64 In chemistry and manufactures
 .65 Noxiousness
 .66 Offensiv animals
 .67 Animals causing diseases [substances
 .68 Injuring vegetable and animal products and inorganic
 .69 Injuring living plants and animals Parasites
 .7 **Organograpy Descriptiv anatomy**
 Subdivided like 591.4 Morfology
 .8 **Histology** See also 578.9 Microscopic zoology
 .9 **Geografic distribution of animals**
 Subdivide like 930-999, using .92 for ocean, marine fauna

—592 Invertebrates

593 Protozoans Radiates

- .1 **Protozoans**
 .11 Rhizopoda
 .12 Foraminifera
 .13 Heliozoa
 .14 Radiolaria Polycystina
 .15 Infusoria
 .16 Flagellata
 .17 Ciliata
 .18
 .19 Gregarinidæ
 .2 **Radiates**
 .3 **Coelenterata** Acalepha (old use of term, now limited to 593.73)
 .4 Sponges Porifera Spongia
 .5 **Cnidaria**
 .6 **Actinozoa Polyps Corals and sea anemones**
 .61 Rugosa Tetracorolla
 .62 Alcyonaria Octocorolla
 .63 Zoantharia Hexacorolla
 .64 Antipatharia
 .65 Actinaria
 .66 Madreporaria
 .7 **Hydrozoa**
 .71 Hydromedusæ
 .72 Siphonophora
 .73 Acalepha
 .74 Calycozoa
 .76 Marsupialida
 .77 Discophora Jelly fish
 .8 **Ctenophora Jelly fish**

NATURAL SCIENCE

- 593.9 **Echinodermata**
- .91 Crinoidea, sea lilies
- .92 Asteroidea, star fish
- .93 Stelleridea
- .94 Ophiuridea
- .95 Echinoidea, sea urchins
- .96 Holothuroidea, sea cucumbers
- .97 Pedata
- .98 Apoda
- .99 **Enteropneusta**

594 **Mollusks**

- .1 **Lamellibranchiata** **Bivalvs**
- .2 **Scaphopoda**
- .3 **Gastropoda** **Univalvs: snails, slugs** See also 632 Pests
- .4 **Pteropoda** **Wingd shells**
- .5 **Cephalopoda** **Squids and cuttle fish**
- .6 **Molluscoidea**
- .7 **Bryozoa (Polyzoa)** **Sea mats**
- .8 **Brachiopoda** **Lamp shells**
- .9 **Tunicata (Ascidia)** **Sea grapes**

595 **Articulates**

- .1 **Worms Vermes** See also 632 Pests
- .2 **Arthropoda**
- .3 **Crustacea**
- .31 **Entomostraca** **Cyclops, shrimps, etc.**
- .32 **Phyllopoda**
- .33 **Ostracoda**
- .34 **Copepoda**
- .35 **Cirripedia** **Barnacles, etc.**
- .36 **Malacostraca** **Sandbugs, crabs, lobsters, etc.**
- .37 **Arthrostraca**
- .38 **Thoracostraca**
- .39 **Gigantostraca** **Trilobites**
- .4 **Arachnida** **Spiders** **Scorpions** **Mites** See also 632 Pests
- .5 **Onychophora**
- .6 **Myriopoda: centipedes, etc.** See also 632 Pests
- .7 **Insects** **Insecta** **Hexapoda** See also 632 Pests
- .71 **Thysanura: bristletails, springtails, etc.**
- .72 **Orthoptera: grasshoppers, etc.**
- .73 **Pseudoneuroptera: dragon-flies, white ants, etc.**
- .74 **Neuroptera: caddis flies, etc.**
- .75 **Rhynchota: (hemiptera) bugs, etc.**
- .76 **Coleoptera: beetles**
- .77 **Diptera: flies, etc.**
- .78 **Lepidoptera: butterflies, moths**
- .79 **Hymenoptera: bees, wasps, etc.**

DECIMAL CLASSIFICATION

596 Vertebrates

597 Fishes Pisces

- .1 Pharyngobranchii Lancelet
- .2 Marsipobranchii Lampreys
- .3 Elasmobranchii Sharks, rays, etc.
- .4 Ganoidei Sturgeons, garpikes, etc.
- .5 Teleostei: true bony fishes
- .6 Batrachia (Amphibia)
- .7 Ophiomorpha
- .8 Anura Toads, frogs
- .9 Urodela Salamanders

598 Reptils Birds

- .1 Reptils
- .11 Lacertilia Lizards
- .12 Ophidia Snakes
- .13 Chelonia Turtles
- .14 Crocodilia Crocodiles
- .15 Ichthyopterygia
- .16 Sauropterygia
- .17 Anomodontia
- .18 Pterosauria
- .19 Dinosauria
- .2 Birds Aves
- .3 Grallatores, waders
- .4 Natatores, swimmers
- .5 Cursores, runners
- .6 Rasores, scratchers
- .7 Scansores, climbers
- .8 Insesores, perchers
- .9 Raptores, birds of prey

599 Mammals Mammalia

- .1 Monotremata Duckbill platypus
- .2 Marsupialia Kangaroos, opossums
- .3 Edentata Rodentia Insectivora Sloths Rodents
- Moles
- .4 Cheiroptera Bats
- .5 Cetacea Sirenia Whales, etc.
- .6 Proboscidea Hyracoidea Elephants Hyrax
- .7 Ungulata Carnivora Domestic mammals See also 636
- .8 Quadrumana Apes
- .9 Bimana Man See also 573 Nat. hist. of man; 610 Medicin

Useful Arts

600 **Useful arts**

601 Filofofy Theories, etc.

602 Compendis, outlines

603 Dictionaries, cyclopedias

604 Essays, lectures, addresses

605 Periodicals, magazines, reviews

606 Societies Fairs Exhibitions

Special exhibitions go with their topics. This is general only

607 Education Schools of technology

Divided like 940-999

608 Patents Inventions

609 History of useful arts in general

For its history, see each special department

DECIMAL CLASSIFICATION

610 Medicin

610.1 Filology, theories .2 Compendis .3 Dictionaries, cyclopedias .4 Essays
 .5 Periodicals .6 Societies .7 Study and teaching .71 Medical schools;
 divided like 940-999 .72 Medical education of women .73 Training schools
 for nurses .77 Medical museums .8 Collections .9 History of medicin

611 Anatomy

See also 591.4 Comparativ anatomy; 591.8 Zoologic histology

SUMMARY

- 611.01 Theory
- .012 Teratology
- .013 Embryology
- .014 Anthropologic anatomy
- .016 Paleontologic "
- .018 Histology
- .019 Comparativ anatomy
- .1 Circulatory system
- .2 Respiratory "
- .3 Digestiv "
- .4 Glandular and lymphatic system
- .6 Genito-urinary system
- .7 Motor and integumentary system
- .8 Nervous system
- .9 Regional anatomy
- .01 Theory**
- .0111 Notion, definition, value
- .0112 Classification, division
- .0114 Terminology
- .012 Teratology Anomalies**
- To be subdivided like revised 617.3 Orthopedic surgery
- .013 Ontogeny Embryology**
- See also physiology, 612.6 Reproduction and development
- Germinativ cells**
- I Sperm**
- II Spermato-genesis See also 611.63 Male genital organs
- 12
- 15 Ovum**
- 16 Ovogenesis See also 611.65 Female genital organs
- 17 Maturation Corpus luteum
- 2 Copulation Fecundation Fertilization**
- See also Fecundation, in botany 581.166; in zoology 591.3
- 3 Germ layers**
- 31 **Segmentation Cleavage Blastula**
- 314 Blastula
- 32 **Gastrula**
- 33 **Primitiv streak**
- 34 **Blastopore Primitiv mouth**
- 35 **Archenteron Primitiv gut**
- 36 **Neurenteric canal**
- 37 **Entoderm, entoblast, hypoblast or endoderm**
- 38 **Ectoderm, epiblast or ectoblast**
- 39 **Mesoderm or mesoblast**
- 395 **Mesenchyme**
- 4 Entodermic, entoblastic or hypoblastic organs**
- 41 **Notochord**
- 5 Ectodermic, epiblastic or ectoblastic organs**
- Epidermal layer
- 5I Neural furrows, folds and canal or medullary plates**
- See also 611.8 Nervous system

MEDICIN: ANATOMY

611.0136	Mesodermic organs
61	Protovertebrae Mesoblastic somites, or primitiv vertebrae
64	Somatopleure, body wall, or musculocutaneous plate Outer lamella of lateral plates
65	Splanchnopleure, fibrous wall of alimentary canal, or gut fiber plate Inner lamella of lateral plates
66	Coelom, pleuroperitoneal or body cavity See also 611.389 Coelom
68	Blood or primitiv vessel wall See also 611.0185 Histology of blood
7	External form of embryo
8	Fetal appendages
81	Vitellin sac
82	Allantois
83	Amnion
835	Amniotic fluid
84	Chorion
85	Placenta Umbilic cord
9	Experimental embryology
.014	Anthropologic anatomy See also 572 Anthropology
.016	Paleontologic anatomy See also 560 Paleontology
.018	<u>Histology</u> Microscopic structure of organs
<u>1</u>	<u>Cells</u> <u>Cytology</u> See also 576.3 Cytology For special cells see tissues to which they belong
11	Protoplasm
13	Nucleus
15	Cell division See also 611.01331
16	Centrosome
18	Cilia Cellular membrane
2	Connectiv tissue Connectiv, cartilage and bone tissue together known as 'sup- porting tissues'
21	Connectiv tissue cells
22	Connectiv tissue fibers
23	Ground substance or matrix
24	Reticular and adenoid tissue Areolar or interstitial tissue Reticulum
25	Mucous or gelatinous tissue Mesenchyme See also embryology, 611.013395 Mesenchyme
26	Adipose or fat tissue
27	Elastic or yellow fibrous tissue
28	Fibrous or white fibrous tissue
29	Pigment and pigment cells
3	Cartilaginous tissue True or hyalin cartilage, cartilage cells or chondroblasts For Elastic, yellow fibrocartilage, or reticular cartilage see 611.01827; for Fibrocartilage, fibrous or white fibrocartilage see 611.01828
34	Perichondrium

DECIMAL CLASSIFICATION

611.0184	Bone or osseous tissue
41	Bone cells Osteoblasts Osteoclasts Howship's lacunae Myelo-plaques of Robin
43	Ground substance or matrix Spongiosum, spongy substance, or cancellated or spongy bone Compact substance Structure: lacunae, canaliculi, lamellae, Haversian canals Volkmann's canals
44	Periosteum Osteogenetic layer or cells; fibers of Sharpey
46	Bone marrow or medulla
5	Blood See also physiology, 612.11 Blood For sperm, see 611.01311 and 612.616
57	Lymf See also 612.42 Lymphatic system
6	Muscular tissue Sarcoplasm
61	Smooth, unstriped, unstriated or involuntary muscle
62	Striped, striated or voluntary muscle Sarcolemma
63	Cardiac muscle
64	Histology of muscular contraction
7	Epithelial tissue
72	Glandular system
73	Mucous membranes
74	Serous " Endothelia
8	Nervous tissue
81	General structure Tectology Neurone
	Regeneration
82	Nerv cells Nissl's chromophilic bodies
83	Prolongations and nerv fibers Cylinder-axis process; cylinder axis. Appendixes, varicosities Neurilemma Schwann's sheath
833	Myelin Ranvier's nodes Medullary sheath
834	Adventitious sheath, perineurium Epineurium
835	Endoneurium
837	Dendrites
84	Neuroglia Ependymal cells, amyloids
86	Terminations
861	Motor terminations
866	Sensory
.019	Comparison with anatomy of lower animals Usually better clast in 591.4
	Form divisions
.02	Compends
.03	Dictionaries Cyclopedias
.04	Essays Addresses
.05	Periodicals
.06	Societies Clubs

MEDICIN: ANATOMY

611.07	Teaching	Methods
.072	Laboratories	Dissection
.077	Pedagogic methods	
.078	Instruments	Apparatus
.08	Polygrafy	
.09	History	
.I	Circulatory system	
.I I	Pericardium	
.I 2	Hart	
.122	Left hart	
.123	Right hart	
.I 24	Ventricles	
	2 Right	5 Left
.I 25	Auricles	
	2 Right	5 Left
.I 26	Endocardium	
	Valvs	
3	Auriculoventricular valvs	
4	Mitral or bicuspid valva	
42	Tricuspid valvs	
46	Valvs of aorta and of pulmonary artery	
5	Sinuses of Valsalva	
	Aortic valvs	
52	Pulmonary or semilunar valvs	
50	Valvs of right auricle	
6	2 Eustachian	5 Coronary
.I 27	Myocardium	
.I 3	Arteries	
.I 31	Pulmonary artery	
	2 Right branch	5 Left branch
.I 32	Aorta	
1	Aortic arch	Ascending aorta
2	Coronary arteries	
	2 Right	5 Left
5	Innominate artery	
.I 33	Carotid arteries	
1	Common carotid	
2	External "	
21	Superior thyroid	
22	Lingual	
23	Facial, or external maxillary	
24	Ascending pharyngeal	
25	Posterior auricular	
26	Occipital	
27	Superficial temporal	
28	Internal maxillary	
281	Sphenopalatin arteries	
289	Middle or great meningeal	
3	Internal carotid	
32	Ophthalmic artery	
33	Cerebral arteries, anterior and middle	
	For posterior cerebral artery see 611.1349	

DECIMAL CLASSIFICATION

- 611.134** **Subclavian arteries**
- 1 **Axillary**
 Superior thoracic, acromiothoracic, long thoracic or external
 mammary, alar thoracic, subscapular, posterior and anterior
 circumflex
- 2 **Brachial or humeral**
 Superior and inferior profunda, nutrient, anastomotica magna,
 muscular
- 3 **Forearm arteries**
- 31 Radial
- 35 Ulnar
- 4 **Hand arteries**
- 5 **Internal mammary** Superior epigastric
- 6 **Costocervical trunk**
- 7 **Thyrocervical trunk**
- 8 **Posterior, or dorsal scapular, transversa colli**
- 9 **Vertebral** Basilar, posterior cerebral, circle of Willis
- .135** **Thoracic aorta and branches**
- 1 **Parietal branches**
- 4 **Intercostal** "
 Subcostal, diafragmatic, vas aberrans
- 5 **Visceral branches**
 Bronchial, esophageal, pericardial, mediastinal
- .136** **Abdominal aorta and branches**
- 1 **Inferior frenic**
- 2 **Lumbar**
- 3 **Middle sacral; caudal**
- 4 **Celiac axis**
 Celiac mesenteric, umbilic mesenteric or omphalomesenterica
- 41 **Hepatic**
 Pyloric, gastroduodenal, superior pancreaticoduodenal, right
 gastro-epiploic, cystic
- 42 **Splenic, lienalis**
 Pancreatic, vasa brevia, left gastro-epiploic
- 43 **Left gastric, gastric, or coronary gastric**
- 5 **Mesenteric**
- 51 **Superior mesenteric**
 Rami intestini tenuis, or branches of small intestine; inferior
 pancreaticoduodenal; middle, right and ileocolic; terminal and
 appendicular branches
- 52 **Inferior mesenteric**
 Left colic, sigmoid, superior hemorrhoidal
- 6 **Middle suprarenal**
- 7 **Renal**
- 8 **Spermatic**
- 9 **Ovarian**
- .137** **Iliac arteries**
- 1 **Common iliac**
- 2 **Hypogastric, or internal iliac**
- 3 **Parietal branches**
- 4 **Lateral sacral**
- 5 **Obturator**

MEDICIN: ANATOMY

611.1376

Gluteal

- 61 Superior gluteal
- 63 Inferior gluteal Sciatic

Visceral branches

- 71 Umbilic, superior vesical
- 72 Inferior vesical and deferential
- 73 Uterin and vaginal
- 74 Middle hemorrhoidal
- 75 Internal pudic

8

External iliac artery

- 81 Inferior epigastric, or deep epigastric
- 82 Deep circumflex iliac
- 83 Femoral
- 84 Deep femoral, profunda femoris
 - * External circumflex 5 Internal circumflex
- 85 Arteria genu suprema, or anastomotica magna
- 86 Popliteal
- 87 Anterior tibial
- 9 Tibiofibular trunk, truncus tibioperoneus
- 91 Posterior tibial
- 92 Peroneal
- 93 Arteries of foot
- 94 Dorsalis pedis
 - Tarsal, metatarsal, dorsal interosseous, dorsalis hallucis
- 95 Plantar

.14

Veins

.141

Pulmonary

.142

Cardiac or venae cordis

.143

Subintestinal, or fetal portal vein

.144

Cardinal

.145

Superior vena cava

Innominate veins Veins of neck

1

Internal jugular vein

 Thyroid veins

11

 Cerebral veins Sinuses of dura mater

13

 Emissary vein

15

 Superior ofthalmic

16

 Inferior "

17

 Facial

2

External jugular

3

Posterior external jugular and vertebral

4

Subclavian and axillary

41

Deep veins of upper extremity

46

Superficial veins of upper extremity

 * Basilic 5 Cephalic

6

Azygos

7

Spinal veins

DECIMAL CLASSIFICATION

- 611.146 Inferior vena cava**
 1 Lumbar veins
 2 Renal "
 3 Suprarenal "
 4 Hepatic "
 5 Inferior frenic
 6 Spermatic
 Pampiniform or spermatic plexus
 7 Ovarian
- .147 Iliac veins**
 1 Hypogastric or internal iliac
 Hemorrhoidal plexus
 2 External iliac
 3 Femoral Popliteal
 33 Long, or internal saphenous
 37 Tibial veins
 38 Short, or external saphenous
 39 Veins of foot
- .149 Portal vein**
 1 Superior mesenteric
 2 Inferior "
 3 Ventricular coronary, gastric, or venae gastricae Pyloric
 4 Splenic, or lienalis
 5 Cystic
 7 Fetal hepatic veins Omphalomesenteric
 Ductus venosus Aranzii, or sinus venosus, large vein passing
 directly thru fetal liver
 8 Umbilic
- .15 Capillaries**
- .2 Respiratory system**
- .21 Nose**
 See also 611.86 Organs of smell
- .211 External nose**
- .22 Larynx**
- .221 Cartilages**
 Epiglottis, thyroid, arytenoid, cuneiform, cornicular
 .223 False vocal cords
 .224 Ventricles
- .225 Cavity of larynx Glottis**
 True vocal cords Rima glottidis or chink of glottis
 .227 Ligaments
- .229 Muscles of larynx**
- .23 Trachea and bronchi**
- .231 Trachea**
- .233 Bronchi**
 See also 611.24 below
- .24 Lungs, or pulmones**
- .25 Pleura**
- .26 Diafram**
- .27 Mediastinum**
- .28 Gills**
 See comparativ anatomy, 591.42 Respiratory organs
- .29 Other organs, including air bladder swimming bladder See 591.42**

- 611.3 Digestiv system**
- .31 Mouth, buccal cavity or cavum oris
 - .313 **Tung**
 - 5 Papillae
 - .314 **Teeth**
 - .315 **Palate, palatum, or roof of mouth** **Soft palate, or velum pendulum palati** **Uvula**
 - .316 **Salivary and other glands of mouth**
 - 1 Submaxillary and sublingual glands
 - 5 Parotid glands Stenson's duct
 - .317 **Lips**
 - .318 **Cheeks**
 - .32 **Pharynx** **Esofagus**
 - .321 **Pharynx**
 - .322 **Tonsils**
 - 323 Faucial tonsils
 - 324 Pharyngeal or Luschka's tonsils
 - 325 Lingual, buccal or 4th tonsil
 - 326 Other tonsils: laryngeal, nasal
 - 327 **Topograpy or regions of pharynx**
 - 1 Nasal or epipharynx
 - 2 Oral, buccal, or meso pharynx
 - 3 Laryngeal or hypo pharynx
 - 4 Back
 - 5 Sides
 - .329 **Esofagus**
 - 1 Cervical 2 Thoracic section 3 Abdominal section, including diaframatic
 - .33 **Stomach**
 - Gastric glands: true, oxyntic or peptic; pyloric; cardiac
 - 333 **Cardia**
 - 334 **Pylorus**
 - 335 Greater curvature, or lower convex surface
 - 336 Lesser " " upper concave "
 - .34 **Intestin**
 - .341 **Small intestine**
 - 2 Meckel's diverticulum
 - 3 Peyer's patches, or tonsillae intestinales
 - 4 Plicae circulares
 - 5 Glands of Lieberkühn and solitary glands
 - 342 Duodenum Brünner's glands
 - 343 Jejunum
 - 344 Ileum
 - .345 **Cecum**
 - 1 Ileocecal valv
 - 2 Vermiform appendix
 - .347 **Large intestine**
 - Including cecum Appendices epiploicae
 - .348 **Colon**
 - 2 Ascending
 - 3 Transverse
 - 4 Descending
 - 349 Sigmoid flexure
 - .35 **Rectum** **Anus**
 - .351 Rectum Houston's or rectal valvs
 - .352 Anus
 - .353 Perineum See also 611.96

DECIMAL CLASSIFICATION

- 611.36 **Liver**
 .361 Bile ducts Bile capillaries or canaliculi
 .362 Hepatic duct
 .366 Cystic duct Gall bladder
 .367 Common bile duct, or ductus communis choledicus
 Process and ampulla of Vater
- .37 **Pancreas**
 .373 Pancreatic duct, or canal of Wirsung
 .375 Duct of Santorini
 .376 Glandular portion
 .377 Interlobular cell-islets, interlobular cell masses, islands of Langerhans
- .38 **Peritoneum Mesentery Omentum Coelom**
- .381 **Peritoneum**
 3 Parietal 5 Visceral
 .382 Omentum, epiploon
 Lesser or gastrohepatic, great or gastrocolic, gastrosplenic
 .383 Mesentery
 Transverse and sigmoid mesocolon; mesorectum; mesoappendix
 .384 Retroperitoneal fossae
 .389 Coelom or pleuroperitoneal cavity
- .39 **Adipose bodies**
- .4 **Glandular and lymphatic system**
 Put glands of any special system with that system. See 611.36, Liver; 611.61, Kidneys; 611.316, Salivary glands; 611.69, Mammary glands. But class here chromaffin tissue in general
- .41 **Spleen**
 .415 Malpighian bodies
 .418 Capsule of spleen
- .42 **Lymphatic vessels or lymphatics and capillaries**
 For lymphatics of an organ or tissue, see name of organ or tissue
 Lymphatic spaces
- .421 **Lymphatics by region**
 1 Head
 2 Face
 3 Neck
 4 Thorax
 5 Abdomen
 6 Pelvic region
 7 Upper extremity
 2 Arm 4 Forearm 6 Hand
 8 Lower extremity
 2 Thigh 4 Leg 6 Foot
 9 Tail
 .423 Receptaculum chyli or cistern of Pecquet
- .424 **Thoracic duct (left)**
- .425 **Right lymphatic duct**
 .426 Lacteals
 5 Villi
- .43 **Thymus**
 .435 Accessory thymus
- .44 **Thyroid gland**
 .445 Accessory or aberrant thyroids
 .447 Parathyroids
- .45 **Suprarenal capsules or bodies**
 Accessory suprarenal capsules

611.46	Lymfatic glands	
.461	Glands of hed	
.462	" " face	
	Internal maxillary	Submental
.463	Glands of neck	
1	Suboccipital or occipital	
2	Mastoid, retroauricular or postauricular	
6	Retropharyngeal	
7	Cervical or jugular	
8	Subclavian	
.464	Glands of thorax	
1	Diaframatic	
2	Mammary lymf	
3	Intercostal	
4	Mediastinal	
.465	Abdominal lymf glands	
1	Iliac and hypogastric: sacral, lumbar	
2	Abdomino-aortic	
21	Juxta-aortic	
22	Preaortic: gastric, splenic, hepatic	
23	Retroaortic	
4	Glands of small intestin: mesenteric	
6	Glands of large intestin: colic, rectal	
.467	Lymf glands of upper extremity	
1	Axillary	
2	Epitrochlear or supratrochlear and other glands	
3	Pectoral	
.468	Lymf glands of lower extremity	
1	Inguinal	
2	Femoral	
3	Popliteal	
4	Anterior tibial	
.47	Carotid gland or body	
.48	Coccygeal gland	
.6	Genito-urinary system	Brests
.61	Kidneys	
	Class here urinary organs in general	
.615	Uriniferous tubules	
.617	Ureter	
.618	Pronephros	
.619	Mesonephros	
.62	Bladder	Urethra
.621	Bladder	
	3 Urethral openings	
.622	Ligaments: urachus	
	For pedicle of allantois see also embryology, 611.01382	
.623	Urethra	
1	For female urethra see 611.674	
	Prostatic part	
	Verumontanum or caput gallinaginis	
	Sinus pocularis or uterus masculinus	
2	Membranous part	
3	Spongy, cavernous or penial part	
4	Lacunae Littré's glands	
.627	Bulbo-urethral or Cowper's glands	
629	Urogenital sinus	

DECIMAL CLASSIFICATION

611.63

Male genital organs

- .631 Testicles or testes
 - 1 Seminiferous tubules
 - Straight tubules, tubuli recti or vasa recta; coni vasculosi or vasa efferentia
 - 3 Tunics of testes; vaginalis, albuginea, vasculosa
 - 5 Mediastinum testis or Highmore's body; rete testis of Haller or Haller's network
- .632 Epididymis
- .633 Appendixes of testes
 - Vasa aberrantia; hydatids of Morgagni, or pedunculated bodies; paradidymis or organ of Giraldès
- .634 Vas deferens
- .635 Ejaculatory ducts
- .636 Seminal vesicles
- .637 Prostate
- .638 Scrotum
 - 4 Dartos
- .639 Spermatic cord
 - Infundibula; intercolumnar or spermatic and cremasteric fascia

.64

Penis

- .641 Root
- .642 Body Prepuce
- .643 Glans penis, or acorn
- .644 Meatus
- .645 Corpora cavernosa
- .646 Corpus spongiosum
- .647 Bulb of urethra

.65

Female genital organs

Adnexa

- .651 Ovaries
 - 1 Medullary substance Stroma
 - 2 Graafian follicles
 - Capsule of ovum, membrana granulosa, discus proligerus
 - 3 Cortical layer
 - .652 Corpus luteum or corpora lutea
 - See also embryology 611.01317
 - .656 Fallopian tubes
- .66 Uterus**
- .662 Endometrium
 - .664 Cornua
 - .665 Body or parenchyma
 - .666 Neck, cervix
 - .667 Ligaments
 - For placenta see embryology, 611.01385 and gynecology 618 36
 - 2 Broad or lateral
 - 3 Round Canal of Nuck
 - 4 Uterosacral and uterolumbar Pouch of Douglas
 - Posterior ligaments
 - 6 Epoophoron, parovarium, or organ of Rosenmüller Gärtner's duct
 - 7 Paroophoron
 - .669 Müller's duct Oviducts of lower vertebrates
 - Class oviducts of lower vertebrates in 591.46 except in comparison with human organs

.67

Vagina Vulva

- .671 Vagina
 - .672 Hymen Vestibulum
 - .673 Vulva
 - 1 Mons veneris
 - 2 Labia majora
 - 3 Labia minora
 - .674 Female urethra
 - .675 Clitoris Bulbus vestibuli
 - .677 Bartholini's, or vulvo-vaginal glands
- .69 Breasts**
- .691 Nipple and areola Glands of Montgomery
 - .692 Acini, acinous glands
 - .693 Galactiferous or lactiferous ducts

611.7 Motor and integumentary systems

.71 Osteology Bones Skeleton

.711 Spinal colum

- 1 Cervical vertebrae
- 2 Atlas
- 3 Axis or epistropheus
- 5 Thoracic or dorsal vertebrae
- 6 Lumbar vertebrae
- 7 Sacrum or sacral vertebrae
- 8 Coccyx

.712 Ribs Thorax

- 5 Costal cartilages

.713 Sternum or breast bone

- Menubrium; gladiolus; xiphoid or ensiform

.714 Bones of head Skull

- 1 Calvaria or cerebral cranium
- Sutures, fontanelles, supernumerary or Wormian bones
- 3 Base of cranium
- 6 Orbits
- 7 Nasal cavity Inferior conchae

.715 Cranium, cranial bones

- 1 Occipital
- 2 Sphenoid
- 3 Temporal
- 4 Parietal
- 5 Frontal
- 6 Ethmoid
- 7 Lacrimal
- 8 Nasal
- 9 Vomer

.716 Bones of face or visceral cranium

- 1 Maxillary, upper jaw or superior maxillary
- 2 Palate
- 3 Malar or zygomatic
- 4 Mandible, lower jaw or inferior maxillary
- 41 Alveolar limbus
- 43 Ramus of mandible
- 5 Hyoid
- 6 Skeleton branchiae Better class in 591.4

.717 Bones of upper extremity

- 1 Scapula, shoulder blade
- Shoulder girdle as a whole Acromion
- 2 Clavicle or collar bone
- 3 Coracoid process
- 4 Humerus
- 5 Radius
- 6 Ulna
- 7 Carpus, carpal bones or wrist bones
- 71 Scaphoid or navicular
- 72 Semilunar, or os lunatum
- 73 Cuneiform, or os triquetrum
- 74 Pisiform
- 75 Trapezium, or os multangulum majus
- 76 Trapezoid or " " minus
- 77 Os magnum, or os capitatum
- 78 Unciform or hook or os hamatum
- 79 Central
- 8 Metacarpus, metacarpal bones

DECIMAL CLASSIFICATION

611.7179	Phalanges of hand
91	Basilar or proximal phalanges
93	Middle phalanges
95	Ungual or distal phalanges
99	Sesamoid
.718	Bones of lower extremity
	For pelvis see 611.96
1	Hip bone, or os coxae or innominatum
	Acetabulum or cotyloid cavity
11	Ilium
12	Ischium
13	Pubis
4	Femur
45	Patella See also 611.7283 Knee joint and 611.983 Knee
5	Tibia
6	Fibula
7	Tarsus
71	Astragalus, ankle bone, or talus
73	Calcaneum, heel, or os calcis
75	Cuboid
76	Scaphoid or navicular
78	Cuneiform or wedge bones
	Internal or first, middle or second, external or third cuneiform
8	Metatarsal bones
9	Phalanges of foot
91	Basilar or proximal phalanges
93	Middle or second "
95	Ungual or third "
99	Sesamoid bones
.72	Ligaments Joints
.721	Articulations of vertebrae and of cranium
1	Occipito-atlantal and occipito-axial
3	Intervertebral articulations
5	Atlanto-axial or atlo-axoid and atlanto-odontoid
6	Lumbosacral
7	Sacrococcygeal
8	Coccygeal
.722	Costovertebral articulations
.723	Costosternal, costochondral, chondrosternal, interchondral, intersternal
.724	Jaw joint, temporomandibular, temporomaxillary or mandible joint
.727	Articulations of upper extremity
1	Sternoclavicular joint and costoclavicular or rhomboid ligament
2	Articulations of shoulder
21	Shoulder joint
24	Acromioclavicular or scapuloclavicular joint Ceracoclavicular and coracoacromial ligaments
3	Elbow joint
31	Humeroulnar joint
33	Humeroradial joint
34	Superior radioulnar or radioulnaris proximalis
4	Wrist joint
41	Inferior or distal radioulnar joint
44	Radiocarpal

MEDICIN: ANATOMY

611.7275	Intercarpal articulation
54	Middle carpal joints
6	Carpometacarpal articulations
7	Intermetacarpal "
8	Metacarpophalangeal "
9	Phalangeal or finger joints
.728	Articulations of lower extremity
1	Articulations of pelvis
	Sacroiliac and pubic, or symphysis ossium pubis; sacrosciatic ligament or symphysis sacrococcygea
2	Hip joint, or articulo coxae
	Iliofemoral, Y or Bigelow's ligament; ligamentum teres
3	Knee joint
31	Crucial or femorotibial ligaments
33	Semilunar fibrocartilages
34	Anterior or ligamentum patellae
38	Tibiofibular ligaments
4	Ankle joint
41	Inferior tibiofibular joint
44	Tibiotarsal ligaments
5	Intertarsal ligaments
51	Astragalocalcaneal, calcaneoastragaloid or talocalcaneum; astragaloscaphoid; calcaneoscaphoid or calcaneonavicular ligaments
53	Calcaneocuboid ligaments
54	Mediotarsal articulations
55	Cuboidecuneiform "
56	Scaphoidcuboid or cubonavicularis, scaphoidcuneiform or cuneonavicularis articulations
58	Intercuneiform articulations
6	Tarsometatarsal articulations
7	Intermetatarsal "
8	Metatarsophalangeal "
9	Toe joints
.729	Classes of joints
2	Synarthrosis or fixt joint
4	Amphiarthrosis or mixt joint
6	Diarthrosis or movable joint
61	Arthrodia or gliding joint
62	Condylarthrosis or knuckle joint
63	Enarthrosis or ball and socket joint
64	Ginglymus or hinge joint
65	Trochoid or pivot joint
.73	Muscular system Myology
.731	Dorsal muscles
1	Spinohumeral or humerospinal muscles
11	Trapezius
12	Latissimus dorsi
13	Rhomboid
14	Levator scapulae
2	Spinocostal or serrati posteriores
3	Spinodorsal
	Sacrospinalis, lumbosacral, erector spinae, transversalis cervicis
31	Iliocostal
36	Longissimus dorsi
4	Splenius and complexus

DECIMAL CLASSIFICATION

- 611.7315 **Spinalis dorsi**
 6 **Transversospinales**
 61 **Semispinalis**
 65 **Multifidus**
 68 **Rotatores**
 7 **Breves spinae**
 71 **Interspinales**
 76 **Intertransversarii**
 8 **Oblique muscles of hed**
 9 **Recti capitis posterior and lateralis**
.732 **Muscles of hed**
 See also 611.7318-9 and 611.7337-8
 1 **Platysma myoides**
 2 **Occipitofrontalis or epicranial**
 3 **Muscles of nose**
 Pyramidalis nasi, compressor nasi, compressor narium minor, depressor alae nasi or myrtiform, dilatores nasi
 4 **Muscles of ear** **Attrahens, attollens, retrahens**
 5 **Palpebral and orbital muscles of eye**
 Orbicularis palpebrarum, or sphincter of eyelids; corrugator supercillii; levator palpebrae; levator palpebrae superioris; tensor tarsi
 See also 611.8461
 6 **Buccal muscles**
 Buccinator, orbicularis oris, levator anguli oris, levatores labii superioris, levator labii superioris alaeque nasi, zygomatic, levator labii inferioris, levator menti, depressor labii inferioris or quadratus menti; depressor angulae oris or triangularis menti; risorius, or Santorini's muscle
 7 **Muscles aiding mastication and deglutition**
 71 **Masseter**
 72 **Temporal**
 73 **Pterygoid**
 75 **Muscles of palate and pharynx**
 76 **Palate**
 Levator palati, tensor palati, azygos uvulae, palatoglossus, palatopharyngeus, salpingopharyngeus
 78 **Pharynx**
 Inferior, superior and middle constrictors, stylopharyngeus
.733 **Muscles of neck**
 1 **Sterno-cleido-mastoid**
 2 " **hyoid**
 3 **Omohyoid**
 4 **Sternothyroid**
 5 **Thyrohyoid**
 6 **Longus colli**
 7 **Rectus capitis anticus major, or longus capitis**
 8 **Rectus capitis anticus minor, or rectus capitis anterior**
 For rectus capitis lateralis see 611.7319
 9 **Scaleni: anticus, medius and posticus**
.734 **Hyoid muscles**
 Depressors of lower jaw or elevators of hyoid. For tung see 611.313
 1 **Digastric**
 4 **Stylohyoid**
 6 **Mylohyoid**
 8 **Geniohyoid**

611.735

Thoracic muscles

- 1 Pectoralis major
- 2 " minor
- 3 Subclavius
- 4 Levatores costarum
- 5 Serratus magnus or serratus anterior
- 6 Intercostal
- 7 Subcostal
- 8 Transversus thoracis or triangularis sterni

.736

Abdominal and coccygeal muscles

- 1 Rectus abdominis
- 2 Pyramidalis abdominis
- 3 Oblique abdominal
- 6 Cremaster
- 7 Transversalis or transversus abdominis
- 8 Quadratus lumborum
- 9 Coccygeal

.737

Muscles of upper extremity

- 1 **Shoulder or axillary**
- 11 Deltoid
- 12 Supraspinatus
- 13 Infraspinatus
- 14 Teres minor
- 15 Teres major
- 16 Subscapular
- 2 **Arm**
- 21 Biceps brachii, or biceps flexor cubiti
- 22 Coracobrachialis
- 23 Brachialis (anticus)
- 24 Triceps brachii, or triceps extensor cubiti
- 25 Anconeus
- 3 **Forearm**
- 4 **Pronator muscles**
- 41 Pronator radii teres
- 45 " quadratus
- 5 **Flexors of forearm**
- 51 Flexor carpi radialis
- 52 Palmaris longus
- 53 Flexor carpi ulnaris
- 54 " digitorum sublimis
- 55 " " profundus
- 56 " pollicis longus
- 6 **Extensors and supinators**
- 61 Brachioradialis
- 62 Extensor carpi radialis longus
- 63 " " " brevis
- 64 " " ulnaris
- 65 Extensors of fingers, or extensores digitorum
- 66 Supinator
- 67 Abductor pollicis longus
- 68 Short and long extensors of thumb, or extensores pollicis brevis et longus
- 69 Extensor of index finger, or extensor indicis proprius
- 7 **Muscles of hand**
- 71 Lumbricales
- 72 Palmaris brevis
- 73 Short abductor of thumb, or opponens pollicis
- 74 Short flexor of thumb, or flexor brevis pollicis. Adductor pollicis
- 76 **Muscles of little finger**
- 77 Abductor digiti quinti (or minimi) brevis; opponens digiti quinti; short flexor of 5th or little finger, or flexor brevis digiti minimi
- 79 Interosseous muscles

DECIMAL CLASSIFICATION

611.738

Muscles of lower extremity

- 1 Hip and nates
 - 11 Iliopsoas
 - 12 Iliacus
 - 13 Psoas major and minor
 - 14 Gluteal
 - 15 Tensor fasciae latae, tensor fasciae femoris or tensor vaginae femoris
 - 16 Piriformis
 - 17 Obturator internus
 - 18 Gemelli or gemini
 - 19 Quadratus femoris
- .7382 Thigh muscles
 - 21 Sartorius
 - 22 Quadriceps femoris or quadriceps extensor femoris
 - Rectus femoris, vastus externus, vastus internus and crureus or vastus intermedius
 - 225 Articularis genu, or subcrureus
 - 23 Pectineus
 - 24 Adductors: longus, brevis, magnus and minimus
 - 25 Gracilis
 - 26 Obturator externus
 - 27 Biceps femoris or biceps flexor cruris
 - 28 Semitendinosus
 - 29 Semimembranosus

3

Leg

- 4 Anterior muscles
 - 41 Anterior tibial or tibialis anticus
 - 42 Extensor digitorum longus
 - 43 " hallucis " or propr.us
 - 46 Peroneus tertius
- 5 Other muscles of leg
 - 51 Peroneus longus
 - 52 " brevis
 - 53 Gastrocnemius
 - 54 Soleus, triceps surae
 - 55 Plantaris
 - 56 Popliteus
 - 57 Posterior tibial
 - 58 Flexor digitorum longus
 - 59 " hallucis "

7

Muscles of foot

8

Back of foot

- Extensor brevis digitorum
- Sole of foot or plantar region
 - Adductor hallucis (obliquus and transversus), adductor digiti minimi, abductor hallucis; flexor hallucis brevis, flexor digitorum brevis, flexor accessorius, flexor digiti minimi brevis, lumbricales, interosseous muscles
- .739 Electric organs Better clast in comparativ anatomy

.74

Tendons Fasciae

May be divided like 611.73; e. g. Achilles tendon 611.74854

.75

Bursae Sheaths of tendons

.751

Hed

.752

Neck

.753

Back

.754

Shoulder

.757

Upper extremity

.758

Lower "

.76

Connectiv tissue

See also 611.0182 Histology of connectiv tissue

611.77	Skin	Glands of skin
.771		Cuticle, scarf skin or epidermis
		Horny and Malpighian layers
.772		Glands of skin
.773		Sebaceous
.774		Sudoriferous or sweat
.775		Ciliary glands
.776		Circumanal "
.777		Ceruminous "
.778		Corium, cutis vera, true skin or dermis
		Reticular and papillary layers
		Pigmentation
.779		Subcutaneous areolar tissue, tela subcutanea or paniculus adiposus
.78	Hair, nails, scales, fethers, etc.	
		Fur teeth see 611.314 Fur, scales, fethers, horns, etc better clast in comparativ anatomy
.781		Hair
.785		Scales
.786		Nails
.787		Fethers
.788		Horns
.8	Nervous system	Sense organs
.81	Encephalon	Brain
		Mesurement Weight
.811		General structure of brain and cerebrospinal axis
.812		Localizations
.813	Telencephalon, or endbrain	Prosencephalon, or fore-brain
		Hemisferes
		Longitudinal and transverse fissure
1		Pallium, brain mantle or cerebral cortex
11		Frontal lobe
		Broca's convolutions
17		Parietal lobe Central fissure, sulcus centralis, or Rolando's groove
		Opercula insulae
13		Temporal or temporosphenoid lobe Fissure of Sylvius, or fissura cerebri lateralis
14		Limbic lobe Gyrus fornicatus
		Hippocampal gyre, or gyrus hippocampi Callosal gyre
		Dentate gyre, or fascia dentata hippocampi Fasciola Fimbria, taenia fornicis or taenia hippocampi Hippocampus major or cornu ammonis Dentate fissure, hippocampal sulcus, or subiculum cornu ammonis Callosomarginal fissure
		Amygdala, almond nucleus, or amygdaloid tubercle
15		Occipital lobe
		Occipital or parieto-occipital fissure
16		Paracentral gyre or lobule
17		Cuneus Calcarin fissure
18		Precuneus, or quadrate lobe
19		Insula, island of Reil, central lobe, or gyri operi
2		Striatum, striate body, or corpus striatum
		Basal ganglion of hemisphere
21		Caudatum, taild nucleus, or nucleus caudatus
22		Lenticula, lenticular nucleus, or nucleus lentiformis
		Globus pallidus, or pallidum, and putamen
23		Claustrum
25		Tonia, taenia semicircularis, stria terminalis or corneae

DECIMAL CLASSIFICATION

- 611.8133 **Rhinencephalon or rhinencefal**
*Olfactory bulb tract, substantia perforata anterior, precribrum, etc.
 Broca's area, or parolfactoria*
- 7 **Centrum ovale majus (of Vieussens) Centrum semiovale Internal capsule**
- 8 **Paraceles or lateral ventricles**
- 9 **Callosum or corpus callosum Fornix**
*Septum pellucidum or lucidum, or septum Cavum septi pellucidi,
 5th ventricle or pseudocele*
- .814 **Diencephalon, diencefal, thalamencephalon or interbrain**
- 1 **Hypothalamus or subthalamie tegmental region**
*Nucleus of Luys or nucleus hypothalamicus
 Postcommissure or posterior commissure*
- 2 **Corpora albicantia, albicans, or corpus mammillare**
Bundle of Vicq-d'Azyr, or fasciculus thalamomammillaris
- 3 **Hypophysis**
Hypophysis cerebri, pituitary body or somatic brain
- 4 **Tuber or tuber cinereum Infundibulum**
- 4 **Optic tract Optic chiasm or commissure**
- 5 **Epithalamus Pineal body, pineal body, conarium or epiphysis Habenula, habena, or pedunculus conarii**
- 6 **Geniculate bodies, or geniculum Metathalamus**
- 7 **Thalamus or optic thalamus**
*Thalamic radiation: ansa peduncularis, ansa lenticularis
 For Nissl's bodies see 611.01882*
- 8 **Third ventricle, or diacele**
Porta or foramen of Monro, or foramen interventriculare
- .815 **Mesencephalon, midbrain or mesencefal**
- 3 **Quadrigenium**
Corpora or tubercula quadrigenina Quadrigenial arms
- 4 **Pedunculi or crura cerebri, crura or crus**
- 41 **Substantia nigra (Sömmering) or intercalatum**
See also nucleus of Luys 611.8141
- 42 **Foot of peduncle, basis or pes pedunculi, or crusta**
- 43 **Tegmentum**
- 44 **Red nucleus, nucleus ruber, or rubrum**
- 5 **Nuclei of oculomoto and trochlear nervs**
- 6 **Aqueduct of Sylvius, aqueductus cerebri, or mesocele**
- .816 **Isthmus rhombencephali**
- 3 **Valv of Vieussens, or superior medullary velum**
- 4 **Superior cerebellar peduncles**
Prepeduncles, brachium conjunctivum cerebelli, or crura ad cerebrum
- Lemniscus: mesial and lateral fillets**

**611.817 Metencephalon or epencephalon, epencefal or hindbrain
Pons (Varolii)**

- 1 Cerebellum
- 11 Lobes, fissures, valv of Tarinus, velum medullare posterius, or kilos
- 13 Cerebellar centers of gray matter Nuclei olivaris superiores: roof nuclei, dentate nuclei, dentatum, etc.
- 15 White substance of cerebellum Arbor vitae
- 3 Pons Varolii Tegument For reticula see 611.8226
- 4 Nuclei of trigeminus system
- 41 Nucleus motorius or motor nucleus of 5th nerv
- 42 Nucleus of spinal tract or sensory nucleus of 5th nerv
- 5 Nucleus or nidus of abducent nerv
- 6 " " " " facial nerv
- 68 Salivary nucleus
- 7 Cochlear nidi or nucleus of cochlear nerv
- Ventral root of 8th nerv
- 76 Trapezium or trapezoid body
- 77 Nucleus of superior olivary body
- 78 Acoustic striae, striae acusticae or medullares
- 8 Vestibular nidi or nucleus of vestibular nerv
- Dorsal root of 8th nerv

**.818 Myelencephalon, metencefal, medulla, bulb or afterbrain,
postoblongata or medulla oblongata**

- 1 Pyramids Pyramidal decussation
- 2 Dorsal colum, posterior fibers, or funiculi dorsales
- Arcuate fibers Restis or restiform body
- Fasciculus of Rolando, cuneatus and gracilis
- 3 Lateral fibers Oliva or olivary bodies
- Anterolateral ground bundle or fasciculus proprius anterolateralis; anterolateral cerebellar tract or fasciculus anterolateralis superficialis
- 4 Interolivary stratum, fillet or l mniscus
- 5 Fourth ventricle or metepicele
- Metapore or foramen of Magendie Foramina of Luschka, Key and Retzius Obex Lingula Calamus scriptorius
- 6 Nucleus of glossopharyngeal system Solitary tract
- 7 Nuclei of vagus and accessory nervs
- 75 Ambiguous nucleus
- 78 Dorsal nucleus of vagus
- 9 Nucleus of hypoglossal system or hypoglossal nidus

.819 Meninges and cerebral meninges

- 1 Pia mater or pia
- 2 Telae choroideae, velum interpositum, choroid plexus
- 3 Arachnoid villi
- Glandulae Pacchioni, Luschka's villi or granulations
- 4 Cisterns, or subarachnoid cisterns
- 5 Dura mater, or dura Tentorium and falx cerebelli
- Falx cerebri

DECIMAL CLASSIFICATION

- 611.82 Spinal cord, or myel
- .821 **Enlargements or intumescencia; general structure**
- 2 Cervical cord or myel, pars cervicalis
- 3 Thoracic or dorsal cord or myel, pars thoracalis
- 4 Lumbar cord or myel, pars lumbaris
- 5 Sacral cord
- 6 Terminal cone, or conus (medullaris) Filum Cauda (equina)
- 8 Grooves and fissures, sulci and fissurae
- .822 **Gray substance or matter, entocinerea or cinerea Gray**
cornua or colum
- 1 Anterior or ventral colum or cornu or funiculus anterior
- 2 Posterior or dorsal " " "
- 3 Clarke's colum, nucleus dorsalis or Stilling's nuclei
- 4 Gelatinosa or gelatinous matter, substantia cinerea gelatinosa Sub-
stantia spongiosa
- 6 Reticula or formatio reticularis
- .823
- .824 **White substance, or alba**
- .825 **Anterolateral colum**
- Anterior plus lateral columns
- 2 **Pyramidal tract or bundle or fasciculus cerebrospinalis**
- Direct or uncrossed tract, fasciculus cerebrospinalis anterior, or
fasciculus
- Cross pyramidal tract, or cerebrospinalis lateralis
- 3 Direct cerebellar tract, or dorsolateral cerebellar tract
- 4 Gower's tract, cerebellar path of anterior funiculus, or fasciculus
anterolateralis superficialis ascendens or anterolateral ascending
cerebellar tract
- 5 Fasciculus sulcomarginalis, or marginal tract of Spitzka and Lissauer
- 6 Lateral colum or anterolateral descending cerebellar tract or colum
of Marchi and Lowenthal
- 7 Anterolateral ground bundle or fasciculus proprius anterolateralis
- 8 Anterior or ventral commissure
- .826 **Posterior or dorsal columns**
- 1 **Ascending fibers**
- Tracts of Burdach (posterolateral or cuneatus) and of Goll
(posteromedian or gracilis) and fasciculus of Rolando
- 5 Descending fibers Comma tract in Burdach's colum
- 8 Radicular fibers
- 9 Posterior or dorsal commissure
- .827 **Roots of nerves**
- Works tracing nerv roots into spinal cord; for microscopic studies on
nerv roots see 611.832
- 1 Anterior or ventral roots
- 2 Posterior " dorsal "
- .828 **Spinal canal Ependyma or endyma**
- Rhomboidal sinus Reissner's fibers
- .829 **Spinal membranes, or meninges spinales**
- 1 Spinal pia mater
- 3 " arachnoid
- 5 " dura mater

611.83	Periferal nervous system	Nervs
.831	Cranial nervs and ganglia	
1	Olfactory, or 1st cranial	
2	Optic, or 2d cranial	
3	Motoroculi, 3d cranial or oculomoto	
4	Trochlear, pathetic, or 4th cranial	
5	Trifacial, trigeminus, or 5th cranial	
	Large or great superficial petrosal branch	
52	Ophthalmic nerv of Willis	
54	Superior maxillary nerv or maxillary nerv	
54 ^a	Infraorbital branch	
56	Mandibular or inferior maxillary	
6	Abducent, external motoroculi, oculomoto, or 6th cranial	
7	Facial, 7th cranial nerv, or portio dura	
73	Other collateral branches	
74	Terminal branches	
75	Pars intermedia of Wrisberg (nervus intermedius)	Chorda tympani
8	Auditory, acoustic or 8th nerv	
81	Cochlear nerv or path, or central auditory path	
85	Vestibular path or nerv	
9	Glossopharyngeal or 9th nerv	
91	Pneumogastric, vagus or 10th nerv	
911	Parietal branches: auricular and lateral nervs	
914	Pharyngeal branches	
915	Superior cardiac nervs	
916	Superior laryngeal nerv	
917	Inferior or recurrent laryngeal nerv	
918	Pulmonary branches	
919	Esophageal and gastric branches	
92	Spinal accessory or 11th nerv	
93	Hypoglossal or 12th nerv	
.832	Spinal nervs	
	Including in 5-6 microscopic studies on nerv roots. See also 611.827	
1	Dorsal or posterior branches	
2	Ventral or anterior "	
5	Dorsal or posterior roots	See also 611.8272
6	Ventral or anterior "	See also 611.8271
.833	Cervical nervs	
1	Dorsal or posterior branches of cervical nervs	Small and large sub-occipital nervs
2	Ventral anterior branches of cervical nervs	
3	Cervical plexus	
32	Large auricular nerv	
33	Cutaneous nerv of neck	
34	Supraclavicular nervs	
36	Phrenic or internal respiratory nerv of Bell	
4	Brachial plexus	
41	Supraclavicular part	
47	Infraclavicular part	
5	Median nerv	
6	Ulnar or cubital nerv	
7	Radial nerv	
	Musculo-spiral	
8	Musculocutaneous nerv	
9	Antibrachii ulnaris	
	Cutaneus brachii medialis, or nerv of Wrisberg	
.834	Thoracic nervs	
1	Posterior branches	
2	Anterior " Intercostal nervs	

DECIMAL CLASSIFICATION

611.835

Lumbar and sacral nerves

- 1 Posterior branches
- 2 Anterior "
- 3 **Lumbosacral plexuses**
- 4 Lumbar plexus
- 41 Great iliohypogastric nerve
- 42 Ilioinguinal
- 43 Genitofemoral or genitocrural
- 44 Lateral or cutaneous nerve of thigh
- 5 Femoral nerve or anterior crural nerve (*femoralis*)
- 51 Middle cutaneous nerve
- 52 Internal " "
- 53 Muscular branches of posterior division of anterior crural nerve
- 54 Long or internal saphenous nerve
- 6 Obturator nerve
- 61 Accessory obturator, or accessory anterior crural nerve of Winslow
- 68 **Lumbosacral cord**
- 7 Sacral or sciatic plexus
- 71 Superior gluteal
- 72 Inferior "
- 73 Small sciatic nerve (*cutaneus femoris posterior*)
- 8 Great sciatic nerve or ischiadicus
- 81 External popliteal, or peroneus communis or peroneal
- 82 Sural or lateral cutaneous branch, or *cutaneus surae lateralis*
- 84 Musculocutaneous or superficial peroneal
- 86 Anterior tibial nerve or deep peroneal
- 87 Internal popliteal or tibial
- 88 Sural or plantar nerves
- 9 Genital, pudic or pudendal plexus
- 93 Collateral branches
- 95 Pudic nerve

.836

Coccygeal plexus Coccygeal nerves

.839

Sympathetic system

- 1 Cervical and cephalic part
- 11 Superior cervical ganglion
- 12 Internal carotid nerve and plexus
- Cavernous plexus
- 13 External carotid nerve and plexus
- 14 Common " plexus Superior cardiac nerve
- 15 Middle " ganglion Middle " "
- 16 Inferior cervical " "
- 17 " cardiac nerve Cardiac plexus
- 2 Thoracic part of gangliated cord
- 3 Abdominal and pelvic part of sympathetic system
- 31 Solar or epigastric plexus or plexus coeliacus

.84

Eye Organ of vision

See also 611.7146 Orbit, including capsule of Ténon

.841

Fibrous coats or tunics of eye

- 1 Conjunctiva
- 3 Cornea
- 5 Sclerotic coat or sclera
- Canal of Schlemm Spaces of Fontana

.842

Vascular coats of eye Uveal tract

- 1 Iris Pupil
- 3 Choroid
- Tapetum
- 5 Ciliary body, muscle and processes

.843

Retina

- Optic disc; macula lutea For optic nerv see 611.8312

- 611.844 Refracting media**
 1 Crystallin lens
 2 Zonule of Zinn or zonula ciliaris
 7 Vitreous humor Posterior chamber
 Hyaloid membrane Hyaloid or Stilling's or Cloquet's canal
 Canal of Petit
 9 Aqueous humor Anterior chamber
- .846 Accessory organs of eye**
 1 External muscles, musculi oculi
 4 Tear apparatus
 7 Lacrimal gland
 8 " canals and puncta
 9 " sac and nasal duct
- .847 Eyelids or palpebrae**
 5 Cantbi
 6 Eyelashes or cilia
 Eyebrows or supercilia
- .85 Ear Organ of hearing**
 See also 611.8318 Auditory nerv
- .851 Internal ear**
- .852 Membranous labyrinth**
 1 Cochlea, scala media, or ductus cochlearis
 2 Organ of Corti, or Corti's fibers
 4 Sacculc
 5 Utriclc
 6 Semicircular canals
- .853 Osseous labyrinth**
 Vestibule, semicircular canals, cochlea, modiolus or columella
- .854 Middle ear or tympanum**
 5 Atrium or tympanic cavity proper
 7 Attic
 Mastoid cells
- .855 Membrana tympani, or drumhead**
- .856 Eustachian tube or tuba auditiva**
- .857 Bones of ear**
 Malleus or hammer; incus or anvil; stapes or stirrup; muscles of
 tympanum, stapedius and tensor tympani
- .858 External ear**
 Meatus, pinna
- .86 Organs of smell; olfactory organs**
- .87 " " taste**
- .88 " " touch and senses in general**
- .889 Organa lateralia**
- .89 Ganglions**
 Class ganglions here if separately treated
- .891 Cranial ganglions**
 5 Semilunar ganglion or Gasserian
 52 Ciliary "
 54 Sphenopalatin or Meckel's ganglion
 56 Otic or Arnold's submaxillary ganglion
 7 Genuiculate ganglion
 81 Spiral or Corti's ganglion
 85 Vestibular ganglion
 9 Petrosal and superior glossopharyngeal ganglion
 91 Jugular and nodose ganglions
 892 Ganglions of spinal nervs
 See also 611.832 Spinal nervs
 899 Sympathetic ganglions
 For chromaffin tissue see 611.4

DECIMAL CLASSIFICATION

- 611.9 **Regional anatomy**
- .91 **Head**
- .92 **Face**
- .93 **Neck**
- .94 **Thorax**
- .942 **Front or pectoral**
- .946 **Back or dorsal**
- .95 **Abdomen**
- .951 **Epigastric region**
- .955 **Mesogastric** "
- .957 **Hypogastric** "
- .959 **Lumbar** "
- .96 **Pelvic and perineal region**
- .962 **True pelvis**
- .964 **False** "
 - 1 Inlet
 - 2 Cavity
 - 3 Outlet
- .966 **Position and size**
- .968 **Difference between male and female pelvis**
- .97 **Upper extremities**
- .971 **Shoulder or axilla**
- .972 **Arm**
- .973 **Elbow**
- .974 **Forearm**
- .975 **Wrist**
- .976 **Hand**
- .977 **Fingers**
- .98 **Lower extremities**
- .981 **Hip Nates Sulcus inguinalis**
 - 1 Hip
 - 2 Nates
 - 3 Sulcus inguinalis
 - 4 Inguinal canal
 - 5 Crural or femoral canal
- .982 **Thigh**
- .983 **Knee Popliteal space**
- .984 **Leg**
- .985 **Ankle**
- .986 **Foot**
- .987 **Toes**
- .99 **Tail**

612 Physiology

SUMMARY

- 612.013 Vitalism
 - .014 Cells and organisms
 - .015 Physiologic chemistry
 - .1 Blood and circulatory system
 - .2 Respiration
 - .3 Digestion
 - .4 Glandular system
 - .5 Animal heat
 - .6 Reproduction Development
 - .7 Motor and vocal apparatus
 - .8 Nervous system
- .01 **General theory of physiology**
 - .0111 Notion, definition, nature
 - .0112 Classification, division
 - .0114 Terminology, notation, symbols
 - .0118 Methods
 - .012 Physiologic theories and generalities
 - .013 **On the nature of life and deth Vitalism**

This place is provided for the physiologist who prefers to keep related topics with his subjects. Usually the heds under this number are better clast in their broader relations; i. e. see 577.2 for the nature of life; 577.7 for the nature of deth; 612.67 for deth as a stage in vital history

 - 1 Signs of real deth See 577.7
 - 2 Experiments on executed persons
 - 4 Theories of life and the soul Vitalism
 - See metaphysics, 128
 - 5 Comparisons of animals and plants See 577.5
 - 6 Organism and inanimate matter See 577.1
 - 7 Vital energy See 577.6
 - 8 Experiments on surviving organs See 577.6
- .014 **General physiology of cells and organisms**

See 576 and note under 612.013

 - 1 **Chemistry of cells**
 - 11 **Aerobic and anaerobic cells**
 - 2 **Physiologic morfology of cells**
 - 21 **Functions of protoplasm**
 - 22 " " nucleus
 - 24 " " chromosome bodies Chromatolysis
 - 26 " " centrosome
 - 3 **Physiologic characteristics of cells**
 - 31 Irritability in general
 - 32 Fatigue
 - 4 **Influence of environment on cells and organisms**
 - Mesology**
 - 47 **Effects of barometric pressure**
 - See also 612.27 Influence of barometric pressure on living beings
 - 42 **Action of electricity Electrophysiology**
 - 421 **Electrophysiologic technic**
 - See also 615.84 Electrotherapy
 - 2 Static electricity
 - 4 Dynamic electricity
 - 5 Alternating currents
 - 7 Electric mesurements
 - 8 **Special instruments**
 - 1 Electrodes
 - 2 Telefone, microfone
 - 6 Galvanometers
 - 422 Electric resistance Conductibility

DECIMAL CLASSIFICATION

612.014	423	Electric phenomena of organisms For electric phenomena of muscles see 612.743, of nerves and muscle see 612.813
	1	Theory of electric phenomena
	2	Negative variation
	3	Electrotonus
	4	Electric phenomena of tissues in repose and in action
424		Action of electricity on organisms Everything concerning effect of electricity on function may be classed here by adding 0 and dividing like 612; e. g. action of electricity on red corpuscles 612.0144240111, as .111 is the subdivision of 612 meaning red corpuscles. Action of electricity on bile 612.0144240357, as .357 means bile
	2	Action of static electricity
	3	" " atmospheric "
	4	" " dynamic "
	5	" " alternating currents
425		Death by electric shock; by lightning
426		Magnetic action
427		Galvanotropism
428		Electrotherapy from physiologic point of view
43		Action of heat and cold See also 612.59
44		Action of light See also 612.843
445		Phosphorescence
447		Heliotropism Phototropism See also 615.831 Phototherapy
45		Action of sound and its vibrations See also 612.85876
46		Poisons and chemic substances Poisons and definite chemic substances are preferably classed in 615.7, general toxicology in 615.9. This number is for topics of special physiologic interest
461		Effects of water
	1	Reviviscent animals
	2	Hydrations
	3	Quantity of water in organisms and tissues
462		Physicochemic forces
	1	Osmosis
	2	Molecular concentration in organic fluids Cryoscopy Subdivisible with 0 like 612; e. g. Cryoscopy of gastric juice 612.0144622032
	3	Relation between secretion and osmotic pressure
	4	Relation between osmosis and electric action: ions
	5	Colloid substances: coagulation, agglutination, etc. See also 612.398133 Theory of histologic conservation
	6	Reaction, acid or alkaline
	7	Viscosity
	8	Superficial tension
	9	Other physicochemic forces
463		Action of mineral salts on organisms
464		" " air, normal and abnormal; of oxygen and ozone
465		" " anesthetics
466		" " antiseptics
467		Chemotaxis Chemotropism
469		Action of other chemic forces
47		Action of mechanical forces
477		Geotropism
478		Thigmotaxis
48		Other physical forces
481		Various rays
	1	Physiologic effect of X rays To express effect of X rays on a specific organ or tissue, add 0 and subdivide like 612; e. g. effect of X rays on sight 612.0144811084
	4	Effect on lower organisms
482		Effect of radioactive substances; Becquerel rays
483		Production and action of N rays

MEDICIN: PHYSIOLOGY

- 612.015 **Physiologic chemistry in general**
- 1 **Ferments**
- 11 **Oxydants Reducing ferments**
- 12 **Hydrolytic**
- 13 **Proteolytic**
- 14 **Lipolytic**
- 15 **Amylolytic and sacroclastic**
- 16 **Glycolytic**
- 161 **Alcoholic**
- 2 **Normal composition of the body and its products**
 See also 612.3926, 612.396-.398
- 21 **Extracts of organs**
- 3 **Metabolism**
- 31 **Of mineral substances**
 See also 612.3926
- 32 **Of carbon**
 See also 612.22
- 33 **Of nitrogen**
 See also 612.46123
- 34 **Of substances foren to the normal organism**
 Elimination of poisons
 Most material will be clast under 615.7 and its subdivisions
 See also special organs
- 316 **Metabolism of nonnitrogenous substances**
- 347 " " **crystallizable nitrogenous substances**
- 348 " " **albuminoids**
- 349 " " **after deth Autolysis**
 Subdivisible with o like 612; e. g. autolysis of the liver
 612.015349035
- 35 **Influence of temperature on metabolism**
 See also 612.59
- 36 **Reductions, hydrations and syntheses in organisms**
- 37 **Influence of other agents on metabolism**
- 38 **Influence of nervous system on metabolism**
- 39 **Metabolism in disease**
- 4 **Staining substances and pigments**
- .016 **Means of attack and defense**
 Comparativ physiology; usually better clast in 591.57
- 1 **Artotomy**
- 2 **Mimicry**
- 3 **Physiology of parasites**
- .019 **Comparativ physiology**
 May be subdivided like 590 to signify kind of animal; e. g. Reptils
 being 598.1, comparison of reptil and human physiology is 612.01981
 Class here only books written distinctly from physiologist's point
 of view. Other works on comparativ zoology are better in 591.1
- Form divisions**
- .02 **Compendis**
- .03 **Dictionaries Cyclopedias**
- .04 **Essays Addresses**
- .05 **Periodicals**
- .06 **Societies Clubs**
- .07 **Study and teaching**
- .077 **Vivisection**
 See also ethics, 179.4, and laws, 614.22
- .08 **Polygrafy**
- .09 **History**

DECIMAL CLASSIFICATION

612.I	Blood and circulatory system
.109	History of circulation of blood
.111	General properties of blood
.111	Red corpuscles
1	Chemic composition
11	Hemoglobin and oxyhemoglobin
14	Carboxyhemoglobin Action of CO on blood, carbon monoxid hemoglobin
15	Spectroscopy of blood
16	Methemoglobin and derivates Hematin or hematoxylin, hematoidin, globin, hemin or Teichmann's crystals, hematochromogen, hematoporphyrin
17	Isotony of corpuscles Osmotic permeability
19	Chemic substances in corpuscles Lecithin, urea, cholesterin, etc.
2	Number of corpuscles
22	Technic of counting
22	Volume of corpuscles
3	Formation of corpuscles
4	See also 612.119 Sanguification
4	Action of poisons on corpuscles
44	See also 612.11114 Action of CO on blood
44	Agglutinating substances
45	Hemolytic substances
6	Corpuscles in disease
7	Other red corpuscles than erythrocytes
8	Coloring matters of invertebrate blood e. g. hemocyanin
9	Other similar coloring matters e. g. chlorophyl and derivates: phylloerytrin
.112	Leucocytes and ameboid cells
1	Chemistry of leucocytes
11	Ferments of leucocytes Influence of leucocytes (lymphocytes) on digestion
2	Movements and irritability of leucocytes
3	Phagocytosis
4	Diapedesis
5	Effect on coagulation of blood
6	In disease and intoxications Leucocytosis For digestiv leucocytosis see 612.11211
7	Counting and its technic
8	Numeric relations of white and red corpuscles
9	Varieties Physiologic morfology
.113	Arterial blood
.114	Venous "
.115	Coagulation of blood
1	Fibrin Fibrinoplastin
11	Composition and chemic properties
12	Fibrogenous and fibrinoplastic ferments Fibrinogen Thrombin
13	Estimating quantity of fibrin
3	Substances modifying coagulation
31	Retarding agents
35	Accelerating agents

MEDICIN: PHYSIOLOGY

- 612.116 **Total quantity of blood**
 2 **Hemorrhage Anemia**
 Subdivisible with o like 612; e. g. physiologic influence of anemia
 on kidneys 612.1162046 For pathologic effect see 616.243.
 618.54
 21 **Hemostasia**
 3 **Transfusion**
 Effect on system receiving transfused blood
- .118 **Physical and biologic properties of blood**
 1 **Physical**
 11 **Osmotic pressure**
 See also 612.11117 Osmotic permeability
 12 **Effect of various injections**
 14 **Viscosity**
 17 **Cryoscopy of blood**
 Method of studying isotony and similar phenomena by relativ
 freezing points of solutions
- 2 **Biologic properties**
 21 **Toxins and antitoxins**
 Physiologic effect For chemic action see 612.3988 May
 be used for those not produced by the blood, e. g. cytotoxins
 211 **Theory of toxic and antitoxic action**
 22 **Toxic and antitoxic action of blood**
 Limited to blood toxins and antitoxins. See also 612.3988
 221 **Specific reaction of blood and albuminoids**
 Blood in legal medicin
 222 **Natural immunity**
 223 **Effect of blood on bacteria**
 Class here physiologic aspect of opsonic theory, opsonins and
 opsonic index See also 615.37 Serotherapy
 24 **Various toxic and antitoxic substances of blood**
 7 **Varieties of blood in different parts of body**
- .119 **Hematopoiesis or sanguification**
 See also 612.1113 Formation of red corpuscles
- .12 **Chemie properties of blood**
 .121 **Reaction and density**
 Color reaction Specific gravity
- .122 **Carbohydrates in blood**
 1 Glucose 2 Glycogen 3 Glycolytic ferments
- .123 **Fats, lipoids, cholesterin, saponin, glycerin**
- .124 **Albumins and albuminoids Uncrystallizable nitrogen
 compounds**
 See also 612.39812 Blood serum
- .125 **Crystallizable nitrogen compounds**
 1 **Staining substances of serum**
- .126 **Mineral salts**
- .127 **Blood gases**
 1 Technic for determining quantity 2 Oxygen 3 Carbonic acid
- .128 **Ferments**
- .129 **Other chemie substances**
 Abnormal substances

DECIMAL CLASSIFICATION

- 612.13 Hydraulic principles of circulation
 - .133 Arterial circulation
 - Sounds and murmurs
 - See also 612.143
 - .134 Venous circulation
 - See also 612.144
 - 1 Air in the veins
 - 2 Venous pulse Flebogram
 - .135 Capillary circulation
 - .14 Blood pressure
 - .141 Technic of mesuring pressure
 - Sphygmograf Sphygmomanometry
 - .143 Pressure in arteries
 - See also 612.133
 - .144 Pressure in veins
 - See also 612.134
 - .145 Pressure in capillaries
 - See also 612.135
 - .146 Influence of various agents on pressure
 - 1 Influence of respiration Asphyxia
 - See also 612.213
 - 2 Effect of drugs and organic extracts
 - 3 Pressure in disease
 - .148 Pressure in lesser or pulmonary circulation
 - .15 Rapidity of circulation
 - In arteries, veins or capillaries Technic of mesuring
 - .16 Pulse
 - For dicrotic pulse see 616.071 Pulse in diagnosis
 - See also 612.134 Venous pulse
 - .166 Pulse in disease
 - .17 Hart
 - .171 Mechanism of cardiac contraction
 - Impulse or apex beat Change of volume and position of beating
 - hart Systole Diastole
 - 1 Technic of cardiac contraction Cardiografy
 - 3 Valvs System of valv closure
 - 5 Hart sounds
 - 56 " " in disease
 - 7 Action of abnormal hart: misplaced or malformd
 - .172 Hart as a muscle
 - Cardiac irritability, contractibility and physiologic morfology
 - 1 Action of blood and coronary arteries Cardiac anemia
 - 2 Rhythm Excitation wave Frequency of beats
 - 3 Electric stimulation of hart and refractory period
 - 4 Electromotiv force
 - 5 Surviving hart Artificial respiration
 - Solutions maintaining beat of hart
 - 6 Physiologic morfology
 - 61 Conduction of stimulation

MEDICIN: PHYSIOLOGY

- 612.173 **Work of the hart**
 Ch:mic, dynamic and thermic phenomena
- 1 Chemic composition of hart
 2 Intracardiac pressure
- .174 **Effect of toxins on the hart**
 1 Atropin
 2 Anesthetics
- .176 **Hart in disease**
- .178 **Innervation of hart**
 1 Pneumogastric or vagus
 See also 612.819911
 2 Sympathetic
 See also 612.897
 3 Ganglions of hart
 4 Action of cerebrum
 See also 612.8228
 5 Action of medulla oblongata
 See also 612.828
 6 Cardiac syncopes and reflexes
 7 Depressor nerv
- .179 **Prenatal circulation**
- .18 **Vasomotors**
- .181 **Action of nervs and nerv centers on bloodvessels**
 1 Action of cerebrum
 2 " " medulla oblongata
 3 " " spinal cord
 4 " " great sympathetic
- .182 **Influence of vasomotors on arterial pressure**
- .183 **Vasoconstrictors**
- .184 **Vasodilators**
- .185 **Effect of poisons on vasomotors**
- .186 **Vasomotors in disease**
- .187 **Vasomotors in organs**
 Divide like 612 Physiology; e. g.
 612.18724 Effect of vasomotors on lung capacity
 612.1878421 Effect of vasomotors on iris
 612.1875 Influence of vasomotors on temperature
 612.187556 Vasomotors in fever
- .188 **Erectil tissues**
 See also 612.612
- .189 **Change of volume of organs**
 Plethysmografy Quantity of blood in various organs
- .19 **Action of special organs on circulation**
- .2 **Respiration**
 See also 612.793 Cutaneous respiration
- .21 **Respiratory movements** **Mechanics of respira
 tion**
- .211 **Pneumografy** **Respiratory types**
 Respiratory excursion
- .212 **Pulmonary elasticity and intrapleural pressure**
 Intrapulmonary and intrathoracic respirations

DECIMAL CLASSIFICATION

- 612.213** **Influence of respiration on circulation**
 See also 612.1461
- .215** **Special physiology of respiratory apparatus**
- 1 Bronchi
 - 2 Trachea
 - 3 Smooth pulmonary muscles
 - 4 Primary paths of respiration: nose and pharynx
 - 5 Pleura
 - 8 Pulmonary circulation
 See also 612.148
 - 9 Pulmonary absorption of liquids
 See also 612.385
- .216** **Respiratory frequency and rhythm**
- 1 Respiratory sounds
 - 2 Pulmonary ventilation
 - 3 Artificial respiration, artificial changes of respiration
- .217** **Action of muscles Mechanical phenomena**
 Dimensions and expansibility of thorax
- 1 Action of diafram
- .219** **Other mechanical phenomena**
 Modified respiratory acts: snoring, laughing, crying, sighing, yawning,
 coughing, hawking, sneezing, blowing nose, gargling
- .22** **Respiratory exchange of gases Respiratory chemistry**
 o2 Action of oxygen and ozone on organisms
 o8 Composition of normal air (only in its physiologic bearing)
- .221** **Technic of gaseous exchange**
- .222** **Effect of various agents on gaseous exchange**
- .223** **Effect of quality of air**
 Hyperpnea, polypnea, thermopnea
- 1 Composition of abnormal air
 - 11 Carbonic acid
 - 12 Activ oxygen or ozone
 - 2 Influence of barometric pressure
 See 612.27
 - 3 Influence of climate
- .224** **Influence of food**
- .225** " " temperature
- .226** **Effect of disease and intoxications**
- .227** **Influence of organs**
- 1 Influence of muscular movements
 Motion, rest, work
 - 2 Influence of nervous system
 - 3 " " circulation
- .229** **Influence of animal kind**
 Variability of gaseous exchange in animal kinds
- 1 Influence of stature
 - 2 Aquatic animals

MEDICIN: PHYSIOLOGY

- 612.23 Gaseous exchange in the blood
 .231 Expired air Respiratory quotient
 .232 Asphyxiation
 In legal medicin
 1 Artificial respiration in asphyxiation
 2 Asphyxiation by submersion
 3 Hart in asphyxiation
 4 Toxic action of carbonic acid (CO₂)
 .233 Respiration in confined air
 .234 Toxic action of carbonous oxid (CO)
 See also 612.11114 and 615.96
 .235 Exchange of gases between air and blood
 1 Theory
 .24 Lung capacity Vital capacity
 Residual, reserv, respiratory or tidal and complemental air
 .25 Exhalation of water from lungs
 .26 Internal or tissue respiration
 .261 Exchange of gases between tissues and blood
 .262 Accumulation of oxygen in tissues (cells)
 .27 Influence of barometric pressure on living beings
 See also 612.01441. For effect on absorption of oxygen and exhalation
 of carbonic acid see 612.2232
 .273 Toxic effects of oxygen and ozone
 .274 Effect of more than normal pressure
 Physiologic aspect of caisson disease
 .275 Effect of less than normal pressure
 1 Physiologic and therapeutic effects of high altitudes
 11 Mountain and aeronautic sickness
 .276 Effect of pressure on fermentations
 Effect of removing pressure
 .279 Maximum pressures
 Effect on aquatic animals
 .28 Respiratory centers
 Influence of nervous system on respiration
 .281 Action of cerebrum and of will
 .282 " " medulla oblongata and vagus nucleus
 .283 " " spinal cord
 .284 " " chemic substances and abnormal blood gases
 1 Toxicology of center
 2 Apnea, acapnea, dyspnea
 See also 612.232
 .287 Action of pneumogastric or vagus nervs
 See also 612.819912
 .288 Respiratory reflexes
 See also 612.8332
 .29 Influence of other organs on respiration

DECIMAL CLASSIFICATION

612.3 Digestion

May be subdivided by 01-09 for form, if needed

- .31 Mouth Teeth Salivary glands**
- .311 Mastication and prehension**
 - 1 Physiology of teeth
- .312 Deglutition or swallowing**
 - 2 Tonsils 3 Tong
- .313 Salivary glands Saliva**
 - 1 Composition of normal saliva
 - 2 Action of saliva on food Ptyalin
 - 3 Salivary secretion
 - 31 Toxic effect of saliva
 - 4 Action of chemic substances
 - See also Therapeutics, 615.741 Sialagog
 - 41 Elimination
 - 42 Action of atropin and of pilocarpin
 - 5 Physiologic morfology
 - 6 Pathologic changes of saliva
 - 61 Salivary fistulas
 - 63 Bacteriology
 - 64 Salivary calculi
 - 69 Abnormal substances
 - 8 Action of nervous system on salivary secretion
 - 82 Action of sympathetic nervs
 - See also 612.898
 - 87 Action of chorda tympani
 - See also 612.81977
- .314 Salivary venoms and venoms in general**
 - 1 Chemic composition
 - 2 Toxic action
 - 3 Natural immunity and resistance to venoms
 - 4 Attenuation and neutralization of venoms
 - 5 Treatment of venom poisoning Serotherapy
 - See 615.94 Duplicated here for physiologist only
 - 51 Antitoxins
 - See also 612.11822 Antitoxins of serum
- .315 Esofagus**
- .32 Stomach Gastric juice Vomiting**
- .321 Normal composition of gastric juice**
 - 1 Gastric fistulas, experimental and pathologic
 - 2 Determination of acid in gastric juice
 - 5 Proteolytic ferments: pepsin
 - 6 Milk curdling ferments, inorganic and organic
- .322 Digestiv power of gastric juice**
 - 1 Starch and analogs
 - 2 Sugars " "
 - 3 Fats " "
 - 4 Albuminoids
 - 45 Nature and properties of peptones
 - See also 612.39817
 - 5 Antiputrefactiv properties of gastric juice
 - 6 Mixture of bile or other secretions of digestiv tract and gastric juice

MEDICIN: PHYSIOLOGY

- 612.3227 Absorption in stomach and transformation (into mucus) of products of digestion
 See also 612.386
- 72 Absorption and transformation of sugars
 73 " " " " fats
 74 " " " " nitrogenous substances (peptones)
 75 " " " " salts Effect on stomach
- .323 **Stomach secretion**
 2 Formation and destruction of pepsin
 21 Pepsin in urin
 3 Formation of hydrochloric acid (HCl)
 4 Autodigestion of stomach
 5 Effects of removing stomach
- .324 **Action of chemic substances (poisons) on gastric secretion and their elimination**
- .325 **Physiologic morfology of stomach**
 Relation between morfologic changes and stimulation
- .326 **Pathologic changes of stomach secretion**
 3 Bacteriology
 5 Gastric juice in disease
 9 Abnormal substances in gastric juice
- .327 **Movements of stomach**
 1 Muscular irritability of stomach
 2 Motor action of pneumogastric See also 612.819913
 3 Evacuation of stomach
 5 Merycism and rumination
 7 Vomiting
 8 Action of emetics or vomitories
 See also under therapeutics, 615.731 Emetics
- .328 **Action of nervous system on stomach**
 1 Psychic influence on stomach secretions
 8 Sensibility of stomach
- .33 **Intestin**
 Middle intestin and glands of middle intestin in invertebrates
- .331 **Normal composition of intestinal juice**
 1 Intestinal fistulas, experimental and pathologic
 7 Intestinal gases Fermentiv process due to bacteria
- .332 **Intestinal digestion**
 2 Carbohydrates
 3 Fats
 4 Albuminoids and derivates Erepsin
 7 Absorption and changes of food in intestin
 See also 612.386
 72 Carbohydrates
 73 Fats Chyliferous vessels See also 612.426
 74 Albuminoid derivates
 75 Other substances
 751 Inorganic substances Water and salts
 8 Action of intestinal juice on other secretions and ferments
 See also 612.3226
 84 Enterokinasis and secretin

DECIMAL CLASSIFICATION

- 612.333 **Intestinal secretion**
- .334 **Action of chemic substances on the intestine and their elimination**
- 4 **Purgatives**
See also therapeutics, 615.732 Cathartics
- .335 **Physiologic morphology of intestine**
- 5 **Intestinal circulation**
- .336 **Pathologic changes of intestinal secretion**
- 3 **Parasites and microbes**
- 31 **Bacterial fermentation** **Physiologic effect of microbes**
- .337 **Movements of intestine**
- I **Movement of chyme in intestine**
- .338 **Action of nervous system on intestine**
- I **Action of nerves and nerve centers on secretion**
- .339 **Peritoneum Omentum**
- I **Absorption in peritoneum**
See also 612.387
- .34 **Pancreas Pancreatic juice**
- .341 **Normal composition of pancreatic juice**
- I **Pancreatic fistulas**
- .342 **Action of pancreatic juice on food Tryptic digestion**
- I **Starches and analogs**
- 2 **Sugars**
- 3 **Fats Steapsin or ptyalin**
- 4 **Albuminoids Trypsinogen Trypsin**
- 5 **Effect on other digestive phenomena**
- 51 **On bile and gastric juice**
See also 612.3226
- .343 **Pancreatic secretion**
- .344 **Action of special substances on pancreatic secretion and juice**
- .345 **Physiologic morphology**
Relation between morphologic changes and stimulation
- .346 **Pathologic changes of pancreatic juice**
- .348 **Action of nervous system on pancreas**
- .349 **Pancreas as an internal gland Ilands of Langerhans**
- I **Pancreatic glycosuria**
Physiologic phenomena only. See also 612.35216, 612.46621, and diseases 616.61, where most material belongs
- .35 **Liver**
- .351 **Hepatic circulation and chemic composition**
- I **Chemic composition**
- 11 **Ferments**
- 5 **Hepatic circulation**
- 51 **Ligature of portal vein**
- 6 **Effect of extracts from hepatic tissue**
- 61 **Hepatic opotherapy**

MEDICIN: PHYSIOLOGY

- 612.352** **Effect of liver on absorbd foods**
- 1 **Glycogenesis** **Glycogen of liver and its tissues**
 See also 612.396112 Chemistry of glycogen
11 **Determination of amount of sugar and glycogen: technic**
12 **Sugar of the blood** See also 612.122
13 **Action of nervs on glycogenic function** **Experimental diabetes**
14 **Fermentation of glycogen** **Glycogenolysis**
16 **Glycosuria (diabetés) in general**
 See also 612.3491, 612.46621 and pathology 616.63
17 **Glycogen of other organs**
18 **Glycogen of muscles** See also 612.74411
19 **Relations between glycogenesis and alimентация**
2 **Fat** **Adipogenic function**
- .353** **Hepatic chemic fenomena**
- 1 **Formation of urea** See also 612.4612
- .354** **Action of poisons on liver**
- 1 **Toxic steatoses**
2 **Antitoxic action of liver**
- .355** **Temperature of liver** See also 612.563
- .356** **Hematopoietic function of liver and effect on blood**
 See also 612.119
- .357** **Bile**
- 1 **Normal composition of bile**
11 **Biliary fistulas**
13 **Coloring matter** **Bile pigments**
 Bilirubin, biliverdin For origin see 33 below
14 **Mineral salts**
15 **Biliary acids and their salts**
 Glycocholic and taurocholic acids
2 **Action of bile in the intestin**
 Final fate of bile
3 **Bile secretion**
31 **Quantity**
32 **Origin of bile acids**
33 " " " pigments
4 **Action of chemic substances on bile secretion**
 See also therapeutics, 615.742 Chologogs
5 **Elimination of poisons by bile**
6 **Pathologic physiology of bile**
 For general works and medical aspect see 616.36
64 **Biliary calculi**
65 **(b)literation of bile ducts** **Icterus** **Jaundis** **Cholemia**
 See also pathology, 616.36 Liver and bile ducts
66 **Bile in disease**
67 **Toxic effects of bile**
69 **Abnormal biliary substances**
7 **Biliary excretion** **Physiology of ducts**
71 **Gall bladder**
72 **Absorption in biliary ducts**
73 **Contractility of ducts**
8 **Innervation of bile ducts**
- .358** **Action of nervous system on liver**
- .359** **Ablation, regeneration, cicatrization and other mor-
fologic fenomena**
- 1 **Volume of liver**
2 **Fatty or starchy degeneration**

DECIMAL CLASSIFICATION

- 612.36 Defecation Large intestine
Proctodeum and its appendages in invertebrates
 .361 Chemic composition of excrements
 .363 Cecal digestion Vermiform appendix
 .364 Absorption in large intestine
 .365 Defecation
 .366 Rectum
 .367 Movements of large intestine
 .368 Innervation " " "
 .38 Absorption
 .381 Imbibition Transudations and exudations Edema
 .382 Osmosis See also 612.0744621
 1 Dialysis of mineral salts
 2 " " sugars
 4 " " albuminoids
 .383 Diffusion
 .384 Absorption by skin
See also 612.79
 .385 Absorption by lungs
See also 612.2159
 .386 Absorption in digestiv tract
General; see also specific part of tract
 .387 Absorption by mucous and serous membranes
See also 612.3391
 .388 Parenchymatous absorption
Absorption by cellular tissue (after injection)
.39 Nutrition Metabolism Vitamines
 .391 Hunger Thirst Inanition
 3 Hunger, thirst and nervous centers Mechanical
 action of hunger
 4 Inanition in man
 6 " " disease
 9 " " animals
 99 Inanition in poikilothermic animals
 96 " " homoiothermic "
 .392 Foods
 1 Assimilation of carbon
 2 " " nitrogen
See also 612.46123
 3 Assimilation of water
 4 " of sulfur, fosforus and iron
 3 Sulfur 4 Fosforus 5 Iron
 5 Thermodynamic value of food
 6 Mineral foods
 1 Sodium salts 2 Potassium salts 3 Calcium salts
 7 Vegetable foods
 71 Vegetarianism See also hygiene, 613.26 Vegetable diet
 72 Fruits and fresh vegetables
 73 Cereals
 74 Bred

MEDICIN: PHYSIOLOGY

- 612.3928 **Animal food**
 See also hygiene, 613.28 Meats in diet
 81 Meats
 82 Soup Meat extracts
 83 Eggs
 84 Milk
 See also 612.664
 841 Sterilization and artificial changes in milk
 85 Cheese
 86 Butter
 9 Special artificial foods
- .393 Condiments and stimulants**
 1 Alcohol as food Fermented drinks
 See also hygiene of nervous system, 613.81 Alcohol
 2 Coffee Tea
 See also hygiene of beverages, 613.37
 9 Condiments
- .394 Ration or food requirement during growth**
 2 Of man Nourishment of newborn
 3 " animals
- .395 Ration or food requirement of adults**
 1 Working ration Normal ration
 Working ration for man
 " " " animals
 2 Subsistence ration
 Subsistence ration for man
 " " " animals
 5 Relations of ration to external conditions,
 e. g. climate
 6 Food requirements in disease
- .396 Carbohydrates**
 1 Chemic composition
 11 Polysaccharids
 111 Starch Inulin
 112 Glycogen
 113 Cellulose
 12 Gums and analogs: dextrin
 13 Monosaccharids: glucose, mannose, galactose, fructose, etc.
 14 Disaccharids: sugar, lactose, maltose, etc.
 17 Combined carbohydrates
 See 612.3981453 Glycoproteids
 172 Chitin
 175 Glycosids: amygdalin, salicin, phlorizin, saponin, etc.
 19 Other carbohydrates: pentose, inusitum
 2 Changes of sugars in organism Glycolysis
 21 Products of carbohydrates; e. g. glycuronic acid
 22 Alcohol in tissues
 3 Hydrolytic ferments of carbohydrates and analogs
 31 Amylasis, inulasis, cytasis, etc.
 32 Saccharoclastic ferments Inversion
 4 Formation of carbohydrates in organism
 5 Thermodynamic value of carbohydrates
 7 Quantity of carbohydrates in foods and tissues

DECIMAL CLASSIFICATION

612.397

Fats

- 1 Chemic composition
- 2 Changes of fats in organism
 - 21 Fatty degeneration and infiltration See also 612.3952
 - 22 Products of fats
 - 23 Acids
 - 24 Glycerins
- 3 Lipolytic ferments
- 4 Formation of fats
- 5 Thermodynamic value
- 7 Quantity of fat in food and tissues Adiposity
- 8 Lipoids
 - 81 Cholesterin
 - 82 Lecithin

.398

Albuminoids and nitrogenous substances

- 1 Chemic composition
 - 11 Composit albuminoids
 - For eg albumin see also 612.39283
 - 12 Blood serum and other serous fluids of body
 - See also chemical properties of blood, 612.124 Albuminoids
 - 13 Simple albuminoids
 - 131 Albumin
 - 132 Globulins: fibrinogenic and fibrinoplastic substances, myosin, etc.
 - 133 Coagulated albuminoids Fibrin Coagulation of albuminoids
 - 135 Albuminoids as acids or bases
 - 136 Nucleoalbumins, simple phosphorated albuminoids
 - 138 Protamins
 - 139 Other albumins
 - 14 Other albuminoids
 - 145 Proteids
 - Albumin + a complex organic compound
 - 1 Nucleoproteids
 - Albumin + nucleic acid, products of nucleic acid and specific ferments
 - 2 Hemoglobin and analogs
 - Albumin + an iron compound. See also 612.11111
 - 3 Glycoproteids
 - Albumin + a carbohydrate. See also 612.3967
 - 146 Albuminoids: gluten, elastin, amyloid, etc.
 - 15 Vegetable albuminoids
 - 16 Albuminoid products and nitrogen compounds
 - 17 Albuminoses and peptones
 - 172 Thermodynamic value
 - 175 Changes of substances derived from albuminoids by digestion
 - 19 Products of complete change of albuminoids Nitrogen compounds
 - 191 Protaminic nucleus See also 612.398138
 - 192 Amidic acids
 - 193 Urea Uric acid See also 612.4612, 612.46125, 612.398195
 - 194 Ammonia and ammonia compounds
 - 195 Bases (alkaloids), purin compounds
 - 196 Aromatic compounds
 - 197 Nonnitrogenous products of albuminoids
 - 199 Other products
 - 2 Changes of albuminoids in organism
 - 3 Proteolytic ferments
 - Only general works See specific nitrogen compounds for their derivates, ferments and properties For milk curdling ferments see 612.3216 and 612.664171
 - 5 Thermodynamic value of albumins and derivates
 - Albumin as food

MEDICIN: PHYSIOLOGY

- 612.3986 Formation of albuminoids in general
 7 Quantity of albuminoids in food and tissues
 8 Toxins, antitoxins Chemistry of poisons
 For action, see 612.11821; for animal poisons, see 612.314; for
 ptomaines, leucomains, etc. see 612.398195 above
- .4 Glandular system Secretion Excretion**
- .401 Effect of circulation on glands
 .402 " " glands " circulation and blood
 .403 " " " " nutrition
 .404 " " nutrition " glands
 .405 Physics and chemistry of secretion
 .407 Effect of glands on nervous system
 .408 " " nervous system on glands
 See also 612.817
 .409 Physiologic morphology of secretions and glandular epitheliums
- .41 Spleen**
- .411 Hematopoietic action Effect of spleen on blood
 .412 Splenotomy Circulation in spleen
 .413 Contractility of spleen
 .414 Spleen in relation to other organs
 Effect on digestion
 .416 Function of spleen in disease, in experimental infections
 and in wounds
 .418 Chemic phenomena
- .42 Lymfatic system and lymf**
 For lymfocytes see 612.112
- .421 Lymf Chemic composition
 .422 Quantity and origin of lymf
 .423 Lymfatic circulation
 Thoracic duct
 Lymfatic harts
 .425 Innervation of lymfatic system
 .426 Lymfatic absorption
 See also 612.33273
 .427 Lymfatic fistulas
 .428 Lymf glands
- .43 Thymus**
- .44 Thyroid gland**
- .441 Chemic composition
 .442 Parathyroid glands or accessory thyroids
 .445 Thyroidectomy Destruction of thyroid
 Including pathologic destruction
 .448 Effects of thyroid extracts
- .45 Suprarenal capsules**
- .451 Chemic composition
 .455 Excision and destruction
 .458 Effect of capsular extract

DECIMAL CLASSIFICATION

612.46	Kidneys	Urin
.461	Chemic composition of urin	
1	Reaction and physical properties	
11	Reaction	
12	Density	
13	Temperature	
17	Urinary technology	
174	Staining reactions	
175	Spectroscopic examinations	
176	Polarimetric "	
177	Histochemic "	
178	Pathologic urinary technology	
179	Densimetry and cryoscopy of urin	
2	Urea and nitrogen compounds	
21	Determination of quantity of urea	Ureameters
22	Determination of total nitrogen	
23	Excretion and metabolism of nitrogen	
231	In relation to alimentation	
232	" " " work	
234	Effect of chemic substances (poisons)	
235	Influence of temperature	
236	" " disease	
238	" " nervous system	
239	" " animal kind	
	Variability of process in animal kingdom	
25	Uric acid	See also 612.398193
251	Determination of quantity	
254	In animals	
255	" normal man	
256	" man in disease: uric diathesis	
259	" other tissues and fluids than urin	
26	Other nitrogen products of urin	
261	Bases	Xanthin bases See also 612.398195
262	Ptomains	
263	Allantoin	
264	Peptones	See also 612.46668, 612.39817
266	Hippuric acid	
267	Ammonium and other urates	See also 612.398194
268	Ferments	See also 612.32321
269	Physiologic albuminuria	
27	Coloring matter	Pigments: urobilin, urochrome
6	Salin substances in urin	
61	Chlorin salts	
62	Posforus and its compounds	
63	Sulfur and its compounds	
64	Gases of urin	
8	Nonnitrogenous organic constituents of normal urin	
82	Sugars	Physiologic glycosuria
.462	Urinary toxicity	
1	Internal secretion of kidneys	
.463	Urinary secretion	
1	Quantity of urin	
2	Elimination of urin	
4	Renal circulation	
5	Influence of blood and circulation	
6	Comparativ secretion of the two kidneys	
8	Effect of nervous system	
81	Glycosuria, polyuria after lesion of medulla oblongata	

MEDICIN: PHYSIOLOGY

- 612.464** **Action of poisons on urinary secretion and their elimination**
- 1 **Diuretics Polyuria**
 See also 615.761 Diuretics in therapeutics
- 2 **Toxic albuminurias**
 See also 612.46622
- 3 **Elimination of poisons by urin**
- 4 **Toxic glycosuria Phlorizin**
 See also 612.46621
- .465** **Physiologic morfology of kidneys**
- .466** **Pathologic physiology of kidneys and urin**
- 1 **Urinary calculi**
- 2 **Urin in disease**
- 21 **Urin in diabetes Chemistry of glycosuria For physiology of diabetes see 612.35216**
- 22 **Urin in albuminuria Albuminuria in general**
 See also 612.461269, 612.4642 and 616.634
- 23 **Resection and lesion of kidneys, experimental and pathologic**
 Ligature of ureter, etc.
- 231 **Uremia See also 616.638**
- 26 **Urin in fever**
- 6 **Abnormal substances in urin**
- 61 **Acetonuria Acidosis**
- 62 **Chyluria**
- 63 **Other abnormal products of metabolism**
- 631 **Glycuronic acid See also 612.39621**
- 64 **Products of intestinal putrefaction Indican**
- 67 **Biliary pigments Choluria**
- 68 **Albuminoses and peptones**
- 69 **Hematuria and hemoglobinuria**
- 7 **Urinary fermentation Putrefaction of urin**
- .467** **Urinary discharge**
- 1 **Physiology of bladder, ureters and urethra**
- 11 **Micturition**
- 2 **Absorption in urinary passages**
- 3 **Innervation of vesical apparatus**
 For prostate see 612.617 For action of nervous system on function of kidneys see 612.4638
- .49** **Other glands and secretions**
- .491** **Bone marrow**
- .492** **Hypophysis or pituitary gland Somatic brain**
- .493** **Scent glands of animals**
- .494** **Bartholini's glands**
- .495** **Carotid gland**
- .499** **Other glands**
 See also 612.664, 612.702

DECIMAL CLASSIFICATION

- 612.5 Animal heat**
- .51 Sources Thermogenesis Calorimetry
 - .511 Direct calorimetry
 - 6 Calorimetry in disease
 - .512 Indirect calorimetry
 - 1 Influence of alimentation
 - 3 Effect of respiration
 - .52 Loss of heat Radiation Thermolysis
 - Conduction of animal tissues
 - .521 Cutaneous radiation
 - 1 Physiology of clothing
 - .523 Loss by pulmonary evaporation
 - .524 " " cutaneous evaporation
 - .53 Regulation of temperature Heat balance
 - Thermotaxis
 - .531 Influence of vasomotors
 - .532 " " muscular movement
 - See also 612.7453
 - .533 Effect of perspiration
 - .534 " " respiration Thermic polypnea
 - .535 Thermic centers
 - .54 Other conditions affecting temperature and thermogenesis
 - .541 Effect of baths
 - .543 " " inanition
 - See also 612.391
 - .544 Effect of poisons
 - .55 Variations in production and regulation of heat
 - .556 In disease: fevers
 - .56 Temperature of body
 - .563 Thermic topography
 - .58 Hibernating animals
 - .59 Heat and cold; effect on organism
 - Subdivisible with o like 612; e. g. 612.59074 Effect on muscles
 - 612.5908 " nervous system
 - See also 612.01443
 - .591 Effect of heat Deth from heat Thermic rigidity
 - .592 Effect of cold Deth from cold Rigidity from cold

DECIMAL CLASSIFICATION

- 612.63 Impregnation Pregnancy Parturition
 See also 612.612
 01 Period of pregnancy
 03 Ovary in pregnancy Corpus luteum
- .64 Development of embryo
 For embryology see 611.013; for abnormal development see 611.012 Teratology, 617.3 Deformities
- .646 Physiology of embryo
 .647 " " fetus
 .648 " " newborn
- .649 Appendages of embryo Amniotic fluid
 See also 611.0138 Fetal appendages (in embryology)
- .65 Growth after birth
 See also 612.64
- .651 Metamorfosis of lower animals Larvae
- .66 Period of full development
- .661 Puberty
- .662 Menstruation
- .663 Fecundity
- .664 Lactation and milk
 Physiology of mammary glands
 1 Physics and chemistry of milk
 12 Sugars
 13 Fats Butter
 14 Albuminoids
 16 Mineral substances
 17 Lactic fermentation Milk ferments
 171 Milk curdling ferments Coagulation of milk
 18 Other constituents
 181 Abnormal substances
 19 Comparison of milk of various animals
 191 Human milk
- 3 Lactic secretion
 31 Quantity
 32 Formation of sugars
 33 " " fats
 34 " " albuminoids
 35 Colostrum
 36 Effect of various agents on secretion
- 4 Action of poisons on milk secretion and their elimination
- 5 Physiologic morphology of milk
- 6 Pathologic changes in lactic secretion
- 7 Digestion of milk
- 8 Innervation of mammary glands
- .67 Period of decline Deth
 See also 577.7
- .68 Longevity
 See also 368.3 Life insurance; 519.5 Probabilities; 614.12 Deth rates

- 612.7 Motor and vocal apparatus Skin**
- .71 **Protoplasm**
See also 612.014 General physiology of cells and organisms
 - .72 **Vibratil cilia**
 - .73 **Smooth muscle**
Divided like 612.74
 - .74 **Striped muscle**
Muscle in general, including smooth muscle
 - .74I Muscular contraction**
 - 1 Myografy**
 - 12 Single contraction of muscle fiber Jerk contraction
 - 13 Tetanic contraction
 - 14 Tonic contraction
 - 15 Influence of chemic substances on muscles
 - 16 Myografy in disease
 - 2 **Change of volume of muscle**
 - 3 **Muscle wave**
 - 4 **Elasticity of muscle**
Myotonometry Effect of weight Tension
 - 6 **Muscular irritability Influence of blood**
 - 61 Circulation in muscles
 - 62 Effect of stimulation
 - 63 " " electricity
 - 7 **Latent period**
Time elapsing between moment of stimulation and response by an activ tissue
 - 8 **Muscle murmur**
 - 9 **Physiologic morfology of muscles**
Histologic phenomena of contraction
 - .742 Muscles after deth Rigor mortis**
 - 1 **Chemic phenomena after deth: autolysis**
 - .743 Electric phenomena of muscles**
 - .744 Chemistry of muscle**
 - 1 Normal composition**
 - 11 **Carbohydrates**
See also 612.35218 Glycogen of muscles
 - 14 **Albuminoids**
 - 15 **Other organic substances**
 - 16 **Mineral substances**
Including water Muscle salts
 - 17 **Gases**
 - 2 **Chemic effects of muscular contraction**
 - 21 **Fatigue**
 - 211 Ergografy Dynamometry Work in general
 - 22 Consumption of oxygen and production of CO₂ in work
 - 23 Function of carbohydrates
 - 24 Relation of chemic changes to work Metabolism in relation to work
 - .745 General effect on organism of muscular contraction or work**
See also 612.532
 - 1 **Dynamic effects**
 - 3 **Thermic " "**
 - 5 **Relations between work and heat**

DECIMAL CLASSIFICATION

- 612.746 **Pathologic physiology of muscles**
- 1 Contractures
 - 4 Tremors Shuddering
 - 5 Nutrition of muscles Atrophy Degeneration
Regeneration
Including nerv influence See also 612.818
- .75 **Bones, joints and connectiv tissues**
- .751 **Chemic composition of bone and connectiv tissue**
See also 612.398146
- 1 Bone
 - 2 Cartilage
 - 3 Connectiv tissue
- .752 **Nutrition of bones**
- .753 **Growth, cicatrization and regeneration of bone**
- .754 **Periosteum Perichondrium**
- .755 **Tendons**
- .76 **Locomotion**
Principles of animal mechanism; comparativ study of locomotion preferably clast in 591.47
- .761 **Chronofotografy: technic**
- .763 **Special movements Combined movements**
Physiology of violin playing, etc.
- .766 **Human locomotion**
- 1 Physiology of exercise and work
 - 2 Rest
- .767 **Animal locomotion Special organs of locomotion**
Swimming bladder of fishes
- .768 **Flight**
- .769 **Biologic adaptation of movement**
- .77 Electric and phosphorescent animals
Preferably clast 591.59
 - .771 Electric animals
 - .772 Phosphorescent animals
- .78 **Voice and speech**
See also 784.9 Vocal hygiene; 808.5 Elocution; 534.7 Sound
- .781 **Sensibility of larynx**
- .782 **Movements and innervation of larynx**
- 1 Influence of spinal accessory nerv
See also 612.819923
 - 2 Influence of pneumogastric
See also 612.819917
 - 3 Laryngoscopy
 - 4 Movements of glottis
 - 5 Epiglottis
- .783 **Artificial larynx**
- .784 **Singing Timbre, quality Voice register**
- .785 **Larynx in deglutition and other laryngeal functions**
See also 612.312
- .786 Organs of sound in lower animals
 - .788 Larynx of birds

MEDICIN: PHYSIOLOGY

- 612.789** **Speech Language**
- 1 Function of mouth and nose
 - 2 " " lips and soft palate
 - 3 Innervation of organs of speech **Aphasia**
 See also 616.855
 - 4 Vowels and consonants
 - 5 Ventriloquism
 See also 791 Ventriloquism as an amusement
- .79** **Skin**
.790.5 Chemic composition
- .791** **Absorption**
 See also 612.384
- 1 Penetration by solids
 - 2 Absorption of fats
 - 3 " " solutions
 - 4 " " liquids
 - 5 " " gases
- .792** **Cutaneous glands and secretion**
- 1 Swet Chemic composition
 - 12 Toxic action of swet
 - 4 Action of chemic substances on swet secretion
 Elimination of poisons by swet
 - 43 Physiologic morfology of swet
 - 5 Pathologic changes of swet
 - 6 Action of nervous system on cutaneous exhalation
 - 8 Other cutaneous secretions
 - 9 Other cutaneous secretions
- .793** **Cutaneous respiration**
- 4 Effect of suspended transpiration; closing pores by
 liniments, etc.
 - 5 Effect of chemic substances on skin
 See also 612.7924
- .794** **Cutaneous sensibility**
- .795** **Electric conductivity and resistance of skin**
 See also 612.014422
- .796** **Chromatophores and skin pigments**
- .798** **Trofic nerves of skin**
- .799** **Growth and physiology of nails and hair**

DECIMAL CLASSIFICATION

- 612.8 Nervous system**
- .801 Theory of nervous system and innervation**
 - 1 Dynamogenesis and inhibition
 - 2 Action of nervous system on chemic phenomena
 - 3 Effect on morfogeny and evolution
 - See also 612.605
 - .81 Peripheral nervous system Nerv fibers**
 - .811 Distinction between sensory and motor nervs**
 - 3 Ganglions of sensory nervs
 - 4 Influence of sensibility on movement and of movement on sensibility
 - .812 Recurrent sensibility**
 - .813 Electric phenomena of nervs and muscles**
 - Muscle-nerv experiments as indicativ of nervous process
 - For muscle phenomena see 612.743
 - 2 Negativ variations
 - 3 Electrotonus
 - .814 Chemic and thermic phenomena of nervous stimulation**
 - For stimulation of nerv centers see 612.8222
 - .815 Physiologic morfology of nervous stimulation**
 - 1 Sensory terminations
 - 2 Motor “
 - .816 Irritability of nervs and muscles**
 - Nerv-muscle or nerv-gland physiology
 - 1 Action of electricity
 - 2 Theories of nerv waves
 - 3 Nervous conductibility
 - 4 Effect of blood on nervs **Anemia**
 - 5 Rapidity of nerv waves
 - 6 Nerv fatigue
 - 7 Action of chemic substances on nervous irritability
 - .817 Effect of nervs on muscles and glands**
 - 1 Chemic substances **Curare poisons**
 - 2 Voluntary contraction
 - 3 Tonicity **Atrofy of muscles after cutting nervs, etc.**
 - See also 612.7465
 - .818 Trofic nervs**
 - 5 Degeneration, regeneration and cicatrization
 - 1 Degeneration 2 Regeneration 3 Cicatrization

612.819

Special nervs

Whenever possible class according to function rather than according to a particular nerv, classing here only special nerv physiology

- 1 1st pair: olfactory
- 2 2d pair: optic
See also 612.843
- 3 3d pair: motoroculi or oculomoto
- 31 Innervation of iris
See also 612.8422
- 32 Innervation of eyelids
See also 612.847
- 33 Innervation of eye muscles
- 4 4th pair: trochlear or pathetic
- 5 5th " : trigeminal
- 52 Sensory action
- 53 Trofic action
- 6 6th pair: external oculomoto or abducent
- 7 7th " : facial
- 71 Effect on facial muscles
- 73 " " respiration
- 74 " " hearing
- 75 " " deglutition and taste
- 77 " " salivation Chorda tympani
See also 612.31387
- 78 Pathology Facial paralysis
- 8 8th pair: auditory
See also 612.8585
- 9 9th pair: glossopharyngeal
- 91 10th " : pneumogastric or vagus
- 911 Effect on hart and circulation
See also 612.1781
- 912 Effect on respiration
See also 612.287
- 913 Effect on digestiv organs
See also 612.328, 612.338, 612.348, 612.358, 612.368
- 915 Effect on kidneys and other glands
See also 612.4
- 917 Effect on voice production
See also 612.7822
- 918 Section of vagus and pneumogastric
- 92 11th pair: spinal accessory
- 921 Anastomosis with vagus
- 922 Innervation of respiratory organs
See also 612.28
- 923 Innervation of vocal organs
See also 612.7893
- 93 12th pair: hypoglossal
- 94 Spinal nervs in particular
- 941 Phrenic nerv

DECIMAL CLASSIFICATION

- 612.82 Nervous centers Brain
 .821 Physiologic psychology
 Usually better class in 130 Mind and body
 1 Time of reaction to stimulation Psychometry
 2 Attention Memory Association Imagination
 3 Instinct Intelligence Emotions Sensibility
 31 Comparativ psychology
 311 Nonautomatic actions of animals Anticidisis
 312 Automatic " " "
 For physiologic aspect see 612.829
 313 Instincts of animals Behavior See also 591.51
 33 Emotions Sensibility
 34 Inhibition of movement Will Habit Impulse
 35 Associated movements
 4 Action of poisons on intelligence
 See also 613.8 Hygiene of nervous system
 " " 615.9 Toxicology
 41 Alkaloids
 42 Nonalkaloid anesthetics
 See also Therapeutics, 615.96 Cerebral poisons
 44 Alcohol
 See also Therapeutics, 615.964 Alcohol as cerebral poison
 Pathology 616.861 Alcoholism
 5 Effect of disease on intelligence
 6 Psychic reflexes
 7 Sleep Hypnotism
 See also 135 Sleep, Dreams
 71 Hypnotism See also 134 Mesmerism, Hypnotism
 73 Theories of sleep
 74 Cerebral circulation in sleep
 75 Chemic phenomena of organism in sleep
 76 Dreams
 8 Sense in general and theories of perception
 88 Psychophysical laws
 89 Sensory delusions
 For optic illusions see also 612.84374
 .822 Nerv cells and nerv centers
 1 Chemistry of nervous tissue
 Metabolism in nervs
 2 Chemic phenomena of nervous excitation
 For stimulation of nerv fibers see 612.814
 3 Electromotiv phenomena of nervous excitation
 4 Thermic " " " "
 5 Physiologic morfology " " "
 53 Effects of fatigue
 54 " " poisons
 56 Degeneration and regeneration of centers
 6 Effects of removal and experimental, pathologic or
 teratologic lesion of nerv centers
 61 Movement in a circle (motus circularis, manège)
 7 Decapitation
 8 Action of central nervous system on chemic
 phenomena of organism
 See also 612.01538, 612.8012
 81 Effect of chemic changes on centers

MEDICIN: PHYSIOLOGY

- 612.823** **Weight and general morphology of brain**
5 Conduction in centers
- .824** **Cerebral circulation**
1 Neurolymf, neurolympa or cerebrospinal fluid
 Meninges Choroid plexus
2 Brain movements
3 Cerebral vasomotors
4 " anemia
5 Pressure on nerv centers
55 **Compression and concussion of brain** **Abnormal pressure**
6 Temperature of blood in nerv centers
 Effect of abnormal pressure
- .825** **Cerebral convolutions (cortex)**
1 Cortical excitability
2 Psychomotiv centers Localizations
23 **Inhibitory actions**
 See also 612.8338
24 **Localization in man**
249 Speech Aphasia
 See also 612.7893
25 Localization in animals
26 **Topograpy of localizations**
261 Frontal lobe
262 Occipital "
263 Parietal "
264 Temporal "
265 Central "
266 Olfactory "
3 Cortical epilepsy
 See also 616.853
5 Sensory functions of convolutions
 Convolutions as seat of senses
54 **Sight**
55 **Hearing**
56 **Smell**
57 **Taste**
58 **Muscular sense**
 See also 612.885
59 **Touch**
 See also 612.88
8 Intellectual functions
 Only for physiology of these functions
- .826** **Cerebral ganglions, commissures, etc.**
1 Optostriate body and callosum
 Or optic thalami, striatum and callosum
2 Conduction in the brain
 See also 612.8235
3 Crura or cerebral peduncles Epiphysis Infundi-
 bulum
5 Quadrigeminum Optic lobes
7 Cerebellar peduncles or prepeduncles
8 Pons

DECIMAL CLASSIFICATION

- 612.827 **Cerebellum**
- .828 **Medulla oblongata or postoblongata**
- .829 **Special physiology of central nervous system of invertebrates**
 - See also 612.8226
 - 1 **Regulating effect of ganglia** **Circular movements (manége)**
 - 2 **Chain of ganglions** **Network of nervs, or rete nervosum**
 - 3 **Reflex movement**
 - Locomotion in respect to physiology of nervous system**
 - 31 **Reflexes proper**
 - 32 **Rhythm** **Refractory period**
 - 33 **Tonicity** **Tonic reflex**
 - 34 **Coordination**
- .83 **Spinal cord or myel**
- .831 **Conduction in the cord**
 - See also 612.8235
- .832 **Excitability of cord**
- .833 **Reflex action**
 - Subdivide like 612; e. g. 612.83317 **Cardiac reflexes**
 - 612.83362 **Uterin "**
 - 612.8337 **Limb reflexes; knee jerk**
 - 8 **Action of superior nerv centers on reflexes**
 - 9 **Other phenomena of reflex action**
 - 91 **Rapidity of reflexes**
 - 92 **Pathology**
 - 93 **Effect of anemia**
 - 94 **Action of poisons on reflexes**
 - 95 **Rhythm in general**
 - 951 **Refractory period**
 - 96 **Coordination**
 - 97 **Other fenomena**
 - e. g. reflexes according to nature of impulse: fatigue, etc.
- .834 **Cord as center of innervation**
- .835 **Degeneration and regeneration of cord** **Atrofies**
- .84 **Physiologic optics** **Sight**
- .841 **Fibrous tunics of eye**
 - 1 **Cornea** **Conjunctiva** **Anterior chamber**
 - 5 **Sclera**
- .842 **Vascular tunics** **Iris** **Choroid** **Ciliary body**
 - 1 **Iris accommodation**
 - See also 612.844 for general papers on accommodation
 - 11 **Pupillometers**
 - 2 **Action of nervs and nerv centers on pupil**
 - 3 **Effects of light**
 - 4 **Action of chemic substances on iris** **Atropin** See 615.784
 - 5 **Choroid** **Eye pigments**
 - 6 **Ocular circulation** **Intraocular pressure**
 - 61 **Ophthalmometers**

MEDICIN: PHYSIOLOGY

- 612.843** **Optic nerv Retina**
 See also 612.8192 2d pair of cranial nervs: optic
- 1 Physiologic morfology Retinal purple
- 12 **Ophthalmoscope**
- 13 **Retinal circulation**
- 14 " purple
- 15 **Physiologic morfology of retina**
- 2 Irradiation
- 3 Color sense Chromatic sensibility
- 31 **Color sight**
 Power to distinguish colors
 For color blindness see 612.8455; 617.75
- 32 **Sensitiveness to color**
 For pathology of chromatic sensibility see 612.8455
- 34 **Mixture of colors**
- 35 **Contrast of colors**
- 4 Entoptic phenomena
- 5 Persistence of retinal impressions
- 6 Field of vision Visual acuteness and sensibility
- 61 **Photometry**
 Photometric technic
- 62 **Field of vision**
- 63 **Visual acuteness and sensibility**
- 7 Conduction in the brain Perception
- 71 **Histology of fibrillae Center of sight**
- 72 **Optic perceptions Localization of image in space**
- 721 Binocular perception Stereoscopy Perception of distance, size and form
 Perception of differences in hight of surface For movement see 612.8462
- 73 **Impression of color suggested by sound, auditus coloratus**
- 74 **Optic illusions**
- 75 **Observations on those born blind**
- 78 **Degenerations of optic nerv and fibrillae**
- .844** **Refractory apparatus Ocular refraction**
 See also 612.8421
- 1 Crystallin lens
- 4 Aqueous humor
- 7 Vitreous humor
- .845** **Functional disorders or pathology of sight**
 See also 617.75
- 1 Myopia
- 2 Hypermetropia
- 3 Astigmatism
- 4 Presbyopia
- 5 Daltonism Color blindness
 See also 612.84331 Color sight; 617.75 Disorders of vision
- 6 Hemeralopia

DECIMAL CLASSIFICATION

- 612.846** **Movements of eye**
- 2 **Binocular vision**
 For perception see 612.843721
- 3 **Action of 3d cranial or oculomotor nerve**
- 4 " " 4th " or trochlear nerve
- 6 " " 6th " or abducent nerve
- 8 **Strabismus Diplopia**
- .847** **Palpebral and lacrimal apparatus**
- .85** **Hearing**
- .851** **External ear: functions**
- .854** **Middle ear**
- .855** Tympanic membrane or drumhead **Tympanum**
- .856** Eustachian tube
- .857** Bones
- .858** **Internal ear**
- 1 Conduction of sound in internal ear
- 2 Utricle Sacculle
- 3 Semicircular canals
 See also 612.8863 and 616.841 Vertigo
- 4 Cochlea Corti's organ or fibers **Spiral organ**
- 5 Acoustic nerve
- 6 Endolymph
- 7 Acoustic perception Conduction of acoustic excitation in the brain
- 71 **Auditory acuteness**
- 72 **Auditory center in brain**
 See also 612.82555
- 73 **Subjectiv sensations**
- 74 **Musical physiology and psychology**
 Distinction of tones and quality or tone color (timbre)
- 75 **Binaural hearing**
- 751 Localization of sound in space Estimation and effect of distance
- 76 **Sensibility of living beings to sound and vibrations**
 Otocysts
- 8 **Auditory reflexes**
- 86** **Smell**
 See also 612.82556 Seat of smell
- .867** **Perceptions Conduction in the brain**
- .87** **Taste**
- .875** **Function of lingual nerve**
 See also 612.8195
- .877** **Function of chorda tympani**
 See also 612.81977
- .879** **Function of glossopharyngeal nerve**
 See also 612.8199

MEDICIN: PHYSIOLOGY

- 612.88 Touch Tactil sense Equilibrium
- .881 Notion of space
 - .882 Sense of temperature
 - .883 Sense of pressure
 - Including all related phenomena; e. g. tickling
 - 1 Esthesiometers
 - .884 Sensibility to pain
 - .885 Muscular sense Power sense
 - .886 Sense of equilibrium
 - 1 Sense of direction and orientation
 - 2 Seasickness
 - 3 Vertigo
 - See also 612.8583
 - 9 Function of special organs
 - Function of lateral line of fishes and other special organs of lower animals
 - .887 Anesthesia, hyperesthesia, synesthesia
 - .89 Sympathetic nervous system
 - .8903 Trofic action
 - .8905 Reflex phenomena
 - .891 Cervical ganglions and plexus
 - .892 Thoracic " " "
 - .893 Abdominal " " "
 - .896 Action on eyes; iris
 - See also 612.8422
 - .897 Action on hart
 - See also 612.1782
 - .898 Action on digestiv tract; alimentary canal
 - See also 612.3 and special subdivisions
 - .899 Effect on blood vessels
 - See also 612.18

613 Personal Hygiene

Care of Health; Prophylaxis; Individual Health; Laws of Health.
 .02, Compendis; .03, Dictionaries, Cyclopedias; .04, Essays; .05, Periodicals;
 .06, Societies; .07, Study and Teaching; .08, Sanitary Appliances; .09, His-
 tory, Description, Reports, etc., divided like 930-999.

- .1 Air and Light.**
 For Air Analysis, see 543.7; Air Pollution, 614.7; Ventilation, 628.8.
- .11 Climate. Acclimation.** See 551.5, Meteorology; 615.834, Therapeutics;
 614.42, Geographical distribution of disease.
- .12 Health Resorts. Mountain. Sea-shore.**
 Regions exempt from special diseases.
- .13 Seasons. Time of Day.**
- .14 Malaria. Moisture. Ground Air.** See Public Health, 614.775, 614.773,
 and 614.772.
- .15 Purification of Air.**
- .16 Special Influences. Ozone, Electricity, etc.**
- .17 Quantity of Air Necessary.**
- .18 Temperature.** See also 536.5, Heat; 551.52, Meteorology.
- .19 Sunlight.**
- .2 Food. Dietetics.**
 For Food Analysis, see 543.1; Adulterations, 614.31; Digestion and Nutrition,
 612.3.
- .21 Diетaries.**
 Including food for special classes of people; literary men, soldiers, etc.
- .22 Food for Infants.**
- .23 Food for the Sick.**
 Including means for giving nutrition, baths, enemata, forced alimentation,
 etc.
- .24 Fasting. Famine. Starvation.**
- .25 Excess of Food.**
- .26 Vegetable Food.**
- .27 Fruits.**
- .28 Animal Food. Meats.**
- .29 Fish, Oysters, etc.**
- .3 Beverages.**
 For alcoholic beverages, see 613.81 and 178, Temperance Ethics; Inspection of
 beverages, 614.34.
- .31 Water as a Beverage.**
- .32 Impurities in Water and Ice.** See also 628.16, Water supply of towns.
- .33 Microscopical Analysis.** For Chemical Analysis, see 543.3.
- .34 Biological Analysis.**
- .35 Purification. Filtration, Boiling, Chemical, etc.** See also 628.16,
 Water Supply.
- .36 Cold Drinks.**
- .37 Hot Drinks. Tea, Coffee, etc.** See also 614.347, Adulterations.
- .38 Mineral Waters, Carbonated Waters, etc.** See also 614.348, Adultera-
 tions; 615.79, Therapeutics
- .39 Other Beverages.**

- 613.4 Cleanliness of Body. Clothing.**
 See also 646, Clothing, Toilet, etc.; 391, Customs, Care of Person, Bathing, Toilet. For Therapeutic baths, electric, sulphur, etc., see 615.67.
- .41 **Baths.**
 - .42 **Warm.**
 - .43 **Cold.** For Swimming, see 796.
 - .44 **Douche or Shower.**
 - .45 **Sea. Salt.**
 - .46 **Hot Air. Turkish. Russian. Roman, etc.**
 - .47 **Public.**
 - .48 **Clothing.**
 - 1, Material, wool, cotton, etc.
 - 2, Quantity.
 - 3, Cleanliness.
 - 4, Pressure. Corsets, garters, tight boots, support from hips, etc.
 - .49 **Care of special parts of body.**
 - .5 Human Habitation and Resort.**
 For Heating, see 697; Ventilation, 628.8; House drainage, 628.6; Sanitation of towns, 628.4; Industrial sanitation, 628.5.
 These subjects, partly Public and partly Private Hygiene, are for convenience grouped together here.
 - .51 **Homes.**
 - .52 **Hotels.**
 - .53 **Tenements.**
 - .54 **Schools. Colleges.** See School hygiene, 371.7.
 - .55 **Churches, Theaters, Halls, etc.**
 - .56 **Hospitals. Asylums.**
 - .57 **Prisons. Reformatories.**
 - .58
 - .59 **House Furnishing.**
 - 1, Bed and Bedding.
 - 2, Curtains. Tapestries.
 - 3, Carpets. Rugs. Floors.
 - 4, Wall Paper.
 - 9, House Cleaning.
 - .6 Hygiene of Employment.**
 For Labor of children, see 331.3; Mining dangers and accidents, 622.8; see also Laboring classes, 331.8; Industrial sanitation, 628.5; Nuisances, 614.7.
 - .61 **Over-hours. Over-work.**
 - Occupations made Injurious.**
 - .62 **By Inhalation of Vapors and Gases.**
 Bleachers, match-makers, lard refiners, etc.
 - .63 **By Inhalation of Dust or by Absorption.**
 Grinders, stone-cutters, millers, wool operatives, hair pickers, type founders, grocers, etc.
 - .64 **By Elevated, Low, or Variable Temperature.**
 Bakers, forgemen, mariners, fishermen, farmers, laborers, etc.
 - .65 **By Over-use of certain Organs. By Constrained Attitude and Sedentary Life.**
 Engravers, public speakers, copyists, printers, salesmen, clerks, literary men, etc. See also Mental hygiene, 131.
 - .66 **By Accidents.** See Public health, 614.8, Protection from accidents.
 Machinists, quarrymen, caisson-workers, manufacturers of explosives, etc.
 - .67 **Military Hygiene. Barracks, Camp and Tent Life.**
 - .68 **Naval Hygiene. Ship Life.**
 - .69 **Hygiene of Travel and Exploration.**

DECIMAL CLASSIFICATION

- 613.7 Hygiene of Recreation and Sleep.**
- .71 **Gymnastics.** See also 371.73, School Hygiene, Care of Body
For Curative gymnastics, see 615.82, Massage.
 - .72 **Athletics and other Muscular Exercise.**
See also 796, Out-door sports.
 - .73 **Training and Overstrain.** See also 371.75, Championship games.
 - .74 **Amusement or Play.**
See also 796, Out-door sports, and 371.74, Recreations.
 - .75 **Parks.**
Some subjects more properly placed in Public Health, are grouped here by attraction.
 - .76 **Vacations.** See also 371.23, School Vacations.
 - .77 **Holidays.** See also 371.23, School Holidays.
 - .78
 - .79 **Rest and Sleep. Late Hours.** See 613.86, Insomnia.
 - .8 Hygiene of Nervous System.**
Including the action of Stimulants and Narcotics. See also 615.78, Drugs acting on Nervous System; 615.95, Neurotic Poisons.
For Mental overwork, see 131, Mental Hygiene. See also 178, Temperance.
 - .81 **Alcohol.** See also Temperance, 178; Beverages, 613.3; Inspection of Beverages, 614.34.
 - .82 **Opium and Hashish.** See also 178.8.
 - .83 **Chloral and Caffeine.** See also 178.8.
 - .84 **Tobacco.** See also 178.7.
 - .85 **Other Narcotics.**
 - .86 **Insomnia.** See also 613.79, Rest and Sleep.
 - .87 **Morbid Habits. Bad Social Customs.** See also Social Ethics, 177;
Late Hours, 613.79.
 - .88 **Luxury. Privation.**
See also Fasting; Famine; Starvation, 613.24
 - .89 **Celibacy. Monogamy. Polygamy.**
See also Polygamy and Monogamy, 173.2; Sexual Ethics, 176; Celibacy of Clergy, 254; Asceticism, 248.
 - .9 Hygiene of Offspring. Heredity.**
See also Heredity, 575.1.
 - .91 **Congenital Defects of Body.**
See also Monstrosities, 573.9; and Orthopædic Surgery, 617.3.
 - .92 **Inherited Mental Disability.**
See also Mental heredity, 136.3; Mental derangements, 132; and Mental physiology and hygiene, 131.
 - .93 **Transmitted Disease.**
See also special diseases in 616.
 - .94 **Stirpiculture. Eugenics.**

614 Public helth

- Public hygiene Public sanitation State medicin Preventiv medicin
 See also 628, Sanitary engineering; 352.4 Boards of helth
 .02 Compenda .03 Dictionaries, cyclopedias .04 Essays .05 Periodicals .06 So-
 cieties, conventions .07 Education .08 Sanitary appliances, exhibitions .09 His-
 tory, description, legislation, reports, etc. divided like 930-999, e. g. 614.0942
 Public helth in England
- .1 **Registration and vital statistics** See also 312 Population
- .11 Births and birth rates
- .12 Deths and deth rates
 Divided geografcly like 930-999, e. g. Deth rate in England, 614.1242
- .13 Mortality at different ages
 For life insurance, life tables, biometry, etc. see Life insurance, 368.3,
 and Life contingencies, 519.5; Longevity, 612.68
- .131 Stillbirths
- .132 Infant mortality
- .133 Mortality in childhood
- .134 " " adult life
- .135 " " old age
- .14 Mortality of sexes, races, etc.
- .141 " " the sexes
- .142
- .143
- .144 " " races: colored, white, indian, etc.
- .145 " " city and country
- .146 " " different occupations See also 613.6
- .147 " from special diseases Causes of deth
- .15 Morbidity
- .16
- .17 Marriage
- .18 Divorce See also 173.1 Family ethics
- .2 **State control of medicin**
- .21 Medical education and degrees See 610.7; 378.2 Academic degrees
- .22 Anatomy and vivisection laws See 179.4 Ethics
- .23 Expert testimony and other medico-legal relations
 See 340.6 Medical jurisprudence
- .24 Registration of physicians, dentists, pharmacists, etc.
 License to practis
- .25 Regulation of medical practis
 See 174.2 Professional ethics, physicians
- .26 Quackery and malpractis
- .27 Nostrums and patent medicins See also 614.353 Adulterations
- .28 Sale of poisons See 615.9 Toxicology
- .29 Medical police

DECIMAL CLASSIFICATION

- 614.3 Adulterations: inspection of articles liable to affect public health Pure food laws**
 Public analysts State laboratories For chemic analysis see 543
- .31 Inspection of food For chemic analysis see 543.1; Hygiene 613.2
 - .311 Sugars Sirups Confectionery
 - .312 Cereals Starches Bred
 - .313 Lards Fats Oils See 614.325-6 Butter, oleomargarin
 - .314 Spices Condiments
 - .315 Yeast Baking powders Cream of tartar
 - .316 Fresh food Vegetables, fruits
 - .317 Meats Fish (fresh)
 - .318 Cand or preservd food Vegetables, fruits
 - .319 Meat Fish Oysters (preservd)
 - .32 Milk and milk products
 - .321 Milk analysis See also chemistry, 543.2; dairy, 637.1277
 - .322 Milk of known purity
 - .323 Milk sold to consumer
 - .324 Cream Skimd milk Condensd milk Buttermilk Kumiss
 - .325 Butter and its imitations
 - .326 Oleomargarin
 - .327 Cheese and its imitations
 - .33 Other articles of food
 - .34 Inspection of beverages
 For chemic analysis see 543.1; hygiene, 613.3
 - .341 Fermented
 - .342 Wine
 - .343 Brewd
 - .344 Beer
 - .345 Distild
 - .346 Fruit drinks: lemonade, shrub, etc.
 - .347 Tea Coffee Chocolate Coco See also 613.37, Hygiene
 - .348 Mineral waters Soda water
 See also 613.38, Hygiene; 615.79 Therapeutics
 - .349 Mixt drinks
 - .35 Inspection of drugs For chemic analysis see 543.4
 - .351 Officinal or pharmacopeial drugs
 - .352 Nonofficinal drugs
 - .353 Empiric or patent medicins See also 614.27 State control
 - .354 Cosmetics
 - .355 Poisonous cosmetics
 - .36 Inspection of tobacco
 - .37 Inspection of pigments, wall and other papers, textil fabrics, toys, etc.
 - .4 Contagious and infectious diseases: general
 - .41 Causes and origin
 See 589.95 Bacteria, microbes; 616.01 Germ theory of disease
 - .42 Geografic distribution Climatology
 - .43 Modes of propagation and communication

MEDICIN: PUBLIC HELTH

- 614.44 Prevention and restriction See also Ambulances, 614.882
- .45 Isolation, lazaretto, etc.
- .46 Quarantine, etc.
- .461 Maritime quarantine
- .462 Inland “
- .463 Control of rags, etc.
- .47 Protectiv inoculation
- .471 Against smallpox See also 616.912, Pathology
- .472 Variolation
- .473 Vaccination
- 1 Bovine vaccination
- 2 Humanized vaccination
- 3 Vaccinal syphilis
- 4 Revaccination
- 5 Vaccinisation
- 6 Revaccinisation
- 7 Retrovaccination
- 8 Compulsory vaccination
- 9 Optional vaccination
- .474 Antivaccination
- .475 Against cholera See also 616.932, Pathology
- .476 “ yellow fever See also 616.928 Pathology
- .477 “ hydrophobia Pasteurism
- See also 616.953 Pathology
- .48 Disinfection
- Houses, clothing, rags, workshops, cars, ships, camps, air, soil, persons, sewers, vaults, excreta. Ded, see 614.64 Embalming, etc.
- .481 Fumigating and other apparatus
- 1 Stationary
- 2 Portable
- .482 Disinfectants Antiseptics Deodorizers
- Treated with reference to public health. See also Materia medica 615.777 and 615.778
- .483 Heat
- .484 Chemic disinfectants
- .485 Carbolic
- .486 Salicylic
- .487 Chlorids
- .488 Copperas
- .49 Epidemics Plagues
- .5 Contagious and infectious diseases: special
- These heads are for public health discussions only. For treatment, etc. see Pathology, 616
- .51 Filth diseases
- .511 Typhoid or enteric fever
- .512 Difttheria
- .513 Diarrheal diseases
- .514 Cholera
- .515 Cholera-infantum
- .516 Dysentery
- .517 Diarrhea

DECIMAL CLASSIFICATION

- 614.52 Exanthemata
 - .521 Smallpox
 - .522 Scarlet fever
 - .523 Measles
 - .524 Rötheln, rubella, rubeola
 - .525 Chickenpox
 - .526 Typhus
 - .53 Malarial fevers
 - .531 Intermittent fever
 - .532 Remittent fever
 - .54 Other contagious and infectious diseases
 - .541 Yellow fever
 - .542 Phthisis Tuberculosis
 - .543 Whooping cough
 - .544 Mumps
 - .545 Puerperal fever See also 618.72
 - .546 Leprosy
 - .547 Syphilis
 - .548 Gonorrhoea
 - .55 Parasitic diseases
 - Hookworm
 - .56 Diseases communicated from lower animals
 - .561 Anthrax Charbon
 - .562 Trichiniasis
 - .563 Hydrophobia
 - .564 Glanders
 - .6 Disposal of the dead
 - See customs, 393 Treatment of the dead
 - .61 Burial
 - .611 Earth burial
 - .612 Tomb burial
 - .613 Burials in churches Intramural
 - .614 Use of perishable coffins
 - .62 Cremation Crematories
 - .63 Transportation of the dead
 - .64 Embalming and disinfection of the dead Use of ice
 - See 614.48 Disinfection; 615.777 Disinfectants
 - .65 Effect of cemeteries on health
 - .651 By water pollution
 - .652 " air "

- 614.7 Hygiene of the air and ground Nuisances**
See 613.1 Air (Hygiene); 613.6 Hygiene of employment; 628.5 Industrial sanitation
- .71 Air pollution by dust and smoke [works
 - .72 Air pollution by noxious gases, mineral trades, chemic
 - .721 Carbon compounds
 - .722 Carbonic oxid, carbonic acid, carburetted hydroger:
 - .723 Illuminating gases Gas works
 - .724 Mineral oil refining
 - .725 Sulfur compounds
 - .726 Chlorin "
 - .727 Nitrogen "
 - .728 Phosphorus "
 - .729 Other
 - .73 Air pollution by vegetable trades
 - .731 Brewing
 - .732 Distilling
 - .733 Vinegar making
 - .734 Sugar refining
 - .735 Charcoal burning
 - .736 Varnish making
 - .74 Air pollution by animal trades
 - .741 Slaughter houses Abattoirs Fish
 - .742 Rendering works Boneboiling Tripe and gut cleaning
 - .743 Pork packing Lard refining
 - .744 Soap making
 - .745 Tanning
 - .746 Glue making
 - .747 Lampblack
 - .748 Commercial fertilizers
 - .75 Storage and handling of noxious and offensiv materials
 - .76 Other air pollutions See 628 Sanitary engineering
 - .761 Stables Stable manure
 - .762 Hog stys
 - .763 Offal Ded and diseased animals and fish
 - .764 Vaults Cesspools Water closets, privies, urinals, night soil
 - .765 Sewers and sewer outlets Sewer gas
 - .77 Conditions of soil as affecting helth
 - Topograpy Sanitary Surveys
 - .771 Analysis of soils See 543.7 Chemistry
 - .772 Soil moisture
 - Hygiene of natural water courses and of marshes. See 613.14 Hygiene
 - .773 Ground atmosphere See 613.14 Hygiene
 - .774 Solid constituents of soil
 - .775 Malarious soils See 613.14 Hygiene
 - .776 Recovery of soils from pollution

DECIMAL CLASSIFICATION

- 614.78 Air and ground in towns
- .781 Laying out of towns and streets
- .782 Subways and elevated ways See 628.47 Sanitation of towns
- .783 Parks Air spaces
- .784 Hight of bildings and propotion of occupiable area
 See 614.85 Bilding laws
- .8 Protection of human life from accidents, casualties, etc.
 Safety appliances
 See 613.66 Hygiene of employment
- .81 Drowning
- .811 Rescue of the drowning
- .812 Resuscitation of the drownd First help Pulmotors
- .82 Suffocation
 By gases, in vaults, mines, etc.; see also 622.8 Mining dangers. By illuminating gases
- .83 Explosions
- .831 Manufacture and storage of explosivs and combustibles
 See also 662 Chemic technology
- .832 Gunpowder
- .833 Dynamite, etc.
- .834 Inspection of kerosene, etc.
- .835 " of illuminating gas
- .836 " of electric apparatus
- .837 " of steam boilers
- .84 Fires
- .841 Fire prevention
- .842 " detection
- .843 " extinction See 352.3 Fire department
- .844 Automatic
- .845 Chemic extinguishers
- .846 Fire engins Water towers See 621.68 Pumping engins
- .847 Fire escapes and other apparatus
- .848 " exits, etc. from public bildings
- .85 Bilding laws Inspection of bildings
 See 614.784 Hight of bildings
- .86 Protection of travelers
- .861 Travel on land
- .862 " " highways
- .863 " " railroads
- .864 " " water
- .865 Lighthouses, buoys, etc.
- .866 Pilots
- .867 Boats, life preservers, etc.
- .868 Rescue of shipwreckt Lifesaving servis
- .87 Exposure to cold Hospice of St Bernard
- .88 Aid to injured
- .881 Ambulance
- .882 Ambulance for contagious diseases See also 614.44
- .883 Bed wagon

MEDICIN : THERAPEUTICS

- 614.9 Hygiene of animals Veterinary sanitation**
- .91 Infectious diseases of domestic animals
 - .92 Parasites of animals See 591.69 Economic zoology
 - .93 Animal diseases communicable to man See also 614.56
 - .94 Care and housing of animals
 - .95 Feeding of animals
 - .96 Transportation of animals
 - .97 Methods of slaughtering
 - .971 Painless extinction of animal life
- 615 Materia medica and therapeutics**
- .02 Compenda .05 Pharmaceutic journals .06 Pharmaceutic societies
 - .07 Education, schools of pharmacy .09 History
- .1 Materia medica Drugs Pharmacology**
- For examining boards, laws, etc. see 614.24 Registration of pharmacists. See also 614.35 Adulteration of drugs; 543.4 Chemic analysis
- .11 Pharmacopœias
 - .12 Dispensatories
 - .13 Formularies
 - .14 Prescription writing Posology
- .2 Inorganic drugs**
- Divided like 546. 615.218 Phosphorus; 615.258 Mercury; 615.272 Iron. See also note to 615.7
- .3 Organic drugs**
- See also note to 615.7
- .31 Carbon compounds Divided chemically like 547
 - .32 Vegetable products Divided botanically like 580
 - .33 Vegetable products Divided by character
 - 1 Starches 2 Sugar 3 Glucosids 4 Tannins 5 Gums 6 Drugs
 - 7 Bitters 8 Organic acids
 - .34 Fixed oils and acids
 - .35 Ferments: diastase, pepsin, etc.
 - .36 Organotherapy
 - .37 Serotherapy
 - Opsonic theory; see also physiology, 612.118223
 - Vaccine therapy; see also public health, 614.473 Vaccination
- .4 Practical pharmacy**
- .5 Therapeutics Action of medicins in general**
- .51 Certainty of medicins
 - .52 Antagonism of medicins
 - .53 Law of similars Homeopathy
 - Homeopathic works are classed with the subjects treated. This head is for Hahnemann's theory only
 - .54 Influence of age
 - Infant therapeutics Therapeutics of old age
 - .55 Influence of sex
 - .56 Influence of environment
 - .57 Influence of idiosyncrasy

DECIMAL CLASSIFICATION

- 615.6 Administration of medicins**
- .61 By stomach
 - .62 " rectum
 - .63 " subcutaneous tissue Hypodermic medication
 - .64 " lungs Inhalation See also 612.385 Absorption
 - .65 " veins Transfusion of blood
 - .66 " serous and mucous membranes Peritoneum, vagina, etc.
See also 612.387 Absorption
 - .67 " skin Baths
See also physiology 612.384
- .7 Medicins group by effects**
- Treatises on specific drugs, digitalis, ergot, etc. are class in the divisions of materia medica, 615.2-615.3; iron, 615.272; digitalis, 615.32381
- .71 Drugs acting on circulatory system
 - .711 Stimulants
Alcohol, ammonia, digitalis, coffee, ergot
 - .716 Depressants
Aconite, veratrum group, nitrites
 - .72 Drugs acting on respiratory system
 - .721 Expectorants
 - .726 Errhines Sneezing
 - .73 Drugs acting on digestiv system
 - .731 Emetics
Ipecac, mustard, metallic salts, apomorphin
 - .732 Cathartics
1 Laxatives 2 Salines 3 Purgatives 4 Hydragogs 5 Drastics
6 Mercurials
 - .733 Anthelmintics
 - .734 Aids to digestion
1 Bitters, tonics 2 Ferments, pepsin, pancreatin, etc. 3 Acids, antacids
 - .735 Demulcents, emollients, etc.
Bismuth, oxalate of cerium, etc.
 - .74 Drugs acting on glandular system
 - .741 Sialagogs (Saliva)
 - .742 Cholagogs (Bile)
 - .743 Diaphoretics (Perspiration)
Pilocarpin, heat, exercise
 - .75 Antipyretics Antiperiodics
Quinin, salicylates, coal-tar products, kairin, antipyrin, antifebrin, cold, baths. See also 613.41 Baths
 - .76 Drugs acting on genito-urinary system
 - .761 Diuretics
Water, citrates, acetates, digitalis, caffen, copaiba
 - .766 Uterins Oxytocics
Viburnum, ergot, etc.

MEDICIN: THERAPEUTICS

- 615.77 External agencies
- .771 Irritating
- .772 Astringents
- .773 Rubefaciants
- .774 Epispastics Blisters
- .775 Escharotics Caustic potassa
- .776 Protectiv Emollient
 - Fats, oils, powders, starch, bismuth, oxid of zinc
- .777 Deodorants Disinfectants
 - See 614.48 Disinfection; 614.64 Disinfection of ded
- .778 Antiseptics Germicides
- .78 Drugs acting on nervous system See also 615.95 Neurotic poisons
- .781 Anesthetics Chloroform, ether
- .782 Hypnotics Chloral, bromids
- .783 Analgesics Opium
- .784 Mydriatics Belladonna
- .785 Excitants Strychnin
- .786 Depressants Conium
- .788
- .789 Other drugs
 - Camfor, valerian, asafetida
- .79 Mineral waters See also 613.38 Hygiene; 553.7 Occurrence in nature
- .8 Other remedies
- .81 Mechanical remedies
 - .811 Bloodletting Venesection Cupping
 - .812 Setons and issues
 - .813 Bandages Ligatures
 - .814 Acupuncture
 - .815 Pneumatic aspiration
- .82 Manipulation Exercise
 - See also Hygiene, Massage, Osteopathy, curativ gymnastics
- .83 Imponderable remedies
 - .831 Light Blue glass
 - .832 Temperature: heat, cold
 - .833 Moisture
 - .834 Climate See also 613.1 Hygiene
 - .835 Altitude
 - Decrease of oxygen and increase of nitrogen with increasing elevation
- .836 Pneumatic differentiation
- .837 Music
- .84 Electricity Electrotherapeutics Radiotherapy
 - See also 537.87 and 621.3915

DECIMAL CLASSIFICATION

- 615.85 Cures
- .851 Mind cure Influence of mind on body
Mental condition as affecting disease; occupation as remedy
See also 130 Mind and body
- .852 Faith cure Christian science See 265.8 Religion
See also state control of medicin, 614.24; Christian science theology,
230.95; sects 289.5
- .853 Hydrotherapy Water cure
- .854 Food cures: grapes, milk, beef, etc.
- .855 Thomsonianism Herb doctors
- .856 Perkinism Metallic tractors
- .86
- .87
- .88 Patent medicins
- .89 Ancient and medieval remedies
Including those of modern uncivilized peoples
- .9 Toxicology Poisons
For other relations see Poisons, in Relativ index following Tables
- .91 Irritant poisons
- .92 Mineral irritants
- .921 Acid poisons
- .922 Alkalin poisons
- .923 Nonmetallic poisons
Phosphorus See also 615.218 Drugs
- .925 Metallic poisons
- .926 Arsenic See also 615.219 Drugs
- .927 Mercury See also 615.258 Drugs
- .928 Led Painters colic See also 615.251 Drugs
- .929 Copper See also 615.256 Drugs
- .93 Vegetable irritants
Hellebore, aloes, croton oil, etc.
- .94 Animal poisons
Cantharides, diseased meat, ptomains, tyrotoxicoon, etc.
- .95 Neurotic poisons
See also 615.78 Drugs acting on nervous system
- .96 Cerebral or narcotic poisons Carbonic oxid and acid
- .961 Opium
- .962 Prussic acid
- .963 Cyanids
- .964 Alcohol
- .965 Ether
- .966 Chloroform
- .967 Chloral hydrate
- .97 Spinal poisons
Nux vomica, strychnia
- .98 Cerebrospinal poisons
Aconite, belladonna, lobelia
- .99 Cerebrocardiac poisons
Digitalls, tobacco

616 Pathology Diseases Treatment

May be subdivided by o like 610, if wish. Use 616.01 for etiology, germ theory, bacteriology, classification of diseases. Use 616.07 for diagnosis, study of disease, and subdivide it as follows: 1 Pulse 2 Tong 3 Eye, skin, etc. 4 Auscultation, percussion 5 Thermometry 6 Chemistry, urin analysis 7 Microscopy, radiocopy, etc. 8 Pathologic anatomy 9 Postmortem examination

- .1 Diseases of circulatory system
 - .11 Membranes of the hart
 - .12 Hart Angina pectoris
 - .13 Arteries
 - .14 Veins
 - .15 Blood
- .2 Diseases of respiratory system
 - .201 Croup
 - .202 Hay asthma, hay fever
 - .203 Influenza, epidemic catarrh
 - .204 Whooping cough See also 614.543
 - .205 Coryza, catarrh
 - .206 Asphyxia
 - .21 Nose Naso-pharyngeal space
 - .22 Larynx
 - .23 Trachea Bronchi Bronchitis Asthma
 - .24 Lungs
 - .241 Pneumonia, lung fever
 - .242 Congestion
 - .243 Hemorrhage
 - .244 Abscess
 - .245 Gangrene
 - .246 Phthisis, tuberculosis, consumption See also 614.542
 - .247 Embolism and aneurism of pulmonary artery
 - .248 Emphysema
 - .249 Collapse
 - .25 Pleura Pleurisy
- .3 Diseases of the digestiv system
 - For diseases of teeth see 617.6
 - .31 Mouth: tung, fauces Sore throat, quinsy, mumps
See also 614.544
 - .32 Pharynx Esophagus
 - .33 Stomach Gastritis, dyspepsia, vomiting
 - .34 Intestins Hernia, diarrhea, constipation, colic
 - .35 Rectum Anus Piles
 - .36 Liver Gall bladder Jaundis
 - .37 Pancreas
 - .38 Peritoneum Omentum Mesentery Peritonitis
 - .39 Dietetic diseases
Surfit, starvation, scurvy, dyspepsia

DECIMAL CLASSIFICATION

- 616 .4 Diseases of lymphatic system and ductless glands**
- .41 Spleen
 - .42 Lymphatics: thoracic duct
 - .43 Thymus
 - .44 Thyroid body Goiter, Graves disease
 - .45 Suprarenal bodies
- .5 Dermatology Skin diseases**
- .51 Inflammatory affections
 - Diffuse, papular, scaly, nettlerash, hives
 - .52 Catarrhal, vesicular, pustular Eczema, shingles
 - See also 614.561
 - .53 Disorders of sebaceous glands
 - .54 Hypertrofies Atrofies
 - Corns, warts, white hair, baldness
 - .55 New formations Pigmentary changes
 - Albinism, freckles
 - .56 Disorders of sweat glands
 - .57 Parasitic diseases See 616.96 Parasitic diseases
 - .58 Other skin diseases
 - Chilblain, frostbite, chaps
- .6 Diseases of genito-urinary system**
- For diseases of women, see 618
 - .61 Kidneys Ducts Bright's disease
 - .62 Bladder Calculus
 - .63 Urinary disorders Diabetes
 - .64 Male urethra
 - .65 Prostate
 - .66 Penis
 - .67 Scrotum
 - .68 Spermatic cord Testes
 - .69 Functional diseases of male generativ organs Sper-
matorrhea, impotence
- .7 Diseases of organs of locomotion**
- .71 Bones (except spine)
 - .72 Joints (except spine)
 - .73 Spine Curvature
 - .74 Muscles
 - .75 Tendons Fasciæ
 - .76 Bursæ Sheaths of tendons
 - .77 Connectiv tissue
- .8 Diseases of nervous system**
- .81 Diseases relating to cerebrospinal circulation Apoplexy
 - .82 Diseases relating to cerebrospinal meninges
 - .83 Structural diseases of brain and cord

MEDICIN: DISEASES

- 616.84 Functional diseases of brain and cord For insanity see 132.1
- .841 Vertigo
- .842 Paralysis
- .843 Neurasthenia
- .844 Spinal irritation
- .845 Eclampsia, convulsions See also obstetrics, 618.75
- .85 Neuroses
- .851 Chorea, St Vitus dance
- .852 Hysteria See 135 Somnambulism, 132.4 Catalepsy, 132.3 Hypochondria
- .853 Epilepsy
- .854 Tetanus, lockjaw
- .855 Aphasia
- .856 Anesthesia, hyperesthesia
- .857 Megrin, sick headache
- .86 Neuroses due to special poisons
- .861 Alcoholism See also Dipsomania, 132.7
- .862 Metallic tremor
- .87 Diseases of nervs Neuralgia, cramp
- .88 Diseases of sympathetic system
- .9 **General diseases**
- .91 Infectious diseases
- .911 Eruptiv fevers
- .912 Small pox See also 614.471 and 614.521
- .913 Cowpox
- .914 Chickenpox See also 614.525
- .915 Measles See also 614.513
- .916 Rubella, rubeola, rōtheln See also 614.524
- .917 Scarlet fever, scarlatina See also 614.522
- .92 Other fevers General works on fevers
- See also 612.57 Animal heat
- .921 Dengue, breakbone fever
- .922 Typhus See also 614.526
- .923 Plague
- .924 Relapsing fever, famin fever
- .925 Cerebrospinal fever
- .926 Simple continued fever
- .927 Enteric fever, typhoid fever See also 614.511
- .928 Yellow fever See also 614.476 and 614.541
- .93 Difterhia Cholera Malarial fever
- .931 Diftheria See also 614.512
- .932 Asiatic cholera See also 614.475 and 614.514
- .933 Sporadic cholera
- .934 Epidemic diarrhea See also 614.517
- .935 Dysentery See also 614.516
- .936 Malarial fever See also 614.53

DECIMAL CLASSIFICATION

- 616.94 Septic diseases
 - .941 Phagedena
 - .942 Erysipelas
 - .943 Pyemia
 - .944 Septicemia
 - .95 Venereal diseases Hydrophobia, etc.
 - .951 Syphilis See also 614.547
 - .952 Gonorrhoea See also 614.548
 - .953 Hydrophobia See also 614.477 and 614.563
 - .954 Glanders See also 614.564
 - .955 Horsepox
 - .956 Splenic fever
 - .96 Parasitic diseases See also 614.55
 - .961 Animal parasites
 - See 591.69 Economic zoology; 614.92 Parasites of animals
 - .962 Entozoa
 - .963 Trematoda, flukes
 - .964 Cestoda, tapeworms
 - .965 Nematoda Round worms, thredworms, trichinæ
See also 614.562
 - .966 Acanthocephala, thornheded worms
 - .967 Insecta parasitica Maggots
 - .968 Ectozoa
 - 1 Insecta parasitica: mosquitoes, gnats, bedbugs, fleas, lice
 - 5 Arachnida parasitica: mites, ticks
 - 8 Suctoria parasitica, leeches
 - .969 Vegetable parasites See 581.69 Economic botany
 - .97 Effects of poisons See 615.9 Toxicology
 - .98 Effects of injuries and climate
 - .981 Presence of foren bodies
 - .982 Mechanical injuries
 - .983 Excessiv exertion and strain
 - .984 Excessiv venery
 - .985 Privation
 - .986 Exhaustion
 - .987 Chemic agents
 - .988 Climate
 - .99 Other general diseases
 - .991 Rheumatism, rheumatic fever Gout
 - .992 Tumors
 - .993 Nonmalignant: cysts, wens
 - .994 Malignant: cancer
 - .995 Tubercle
 - .996 Scrofula Rickets
 - .997 Myxedema Cretinism
 - .998 Leprosy See also 614.546

617 Surgery

May be subdivided by o like 610, if wisht

- .1 Injuries**
- .11 Burns and scalds
- .12 Lightning and electric shock
- .13 Contusions and abrasions
- .14 Wounds
- .141 Incised
- .142 Contused
- .143 Lacerated
- .144 Punctured
- .145 Gunshot See 617.99 Military surgery
- .146 With lodgment of foren bodies
- .147 With complete separation of parts
- .148 Poisons See 615.9 Toxicology
- .15 Fractures
- .16 Dislocations
- .17 Sprains
- .18 Asphyxia
- .2 Results of injuries**
- Constitutional effects and other complications. See also 616.94 Septic diseases
- .21 Shock
- .22 Inflammation
- .23 Abscess Sinus Fistula
- .24 Ulcers Sores
- .25 Mortification Gangrene
- .26 Traumatic fever
- .27 Tetanus See also 616.854
- .3 Orthopedic surgery Deformities**
- For convenience the whole subject of deformities is class here, tho many of them have no surgical treatment. See also 573.8 Dwarfs and giants; 573.9 Monstrosities; 611.012 Teratology; 613.91 Congenital defects
- .31 Incomplete development or growth
- Divided like 611 Anatomy
- .32 Incomplete coalescence of parts: harelip
- .33 Coalescence of parts
- .34 Extension of commissure (Apparent duplication)
- .35 Coalescence of fetuses Siamese twins
- .36 Supernumerary parts or organs: extra fingers or toes
- .37 Disproportionate growth of parts
- .38 Transposition or displacement of parts
- .39 Congenital distortions, including talipes, club foot

617.8 Diseases of the ear

- .81 Affections of external ear
- .82 Auricle
- .83 Auditory canal
- .84 Affections of middle ear
- .85 Membrana tympani
- .86 Eustachian tubes
- .87 Mastoid cells
- .88 Affections of internal ear

.9 Operativ surgery

See 615.781 Anesthetics

- .91 Armamentaria Surgical instruments
- .92 Orthopedic appliances Splints, trusses, etc.
See 617.3 Orthopedic surgery
- .93 Surgical dressings
- .94 Amputation Resection
- .95 Plastic surgery
- .96
- .97
- .98
- .99 Military surgery

618 Diseases of women and children

.1 Gynecology Diseases of women

- .11 Ovary
- .12 Fallopian tube
- .13 Periuterin diseases
- .14 Uterus and cervix
- .15 Vagina
- .16 Vulva
- .17 Functional and symptomatic disorders
Diseases of menstruation Leucorrhœa Sterility
- .18
- .19 Diseases of breast

DECIMAL CLASSIFICATION

618.2 Obstetrics

- .21 **Pregnancy** **Physiology**
- .22 **Diagnosis** **Signs of pregnancy**
- .23 **Duration**
- .24 **Hygiene** **Management**
- .25 **Multiple pregnancy: twins, etc.**
- .3 **Pathology of pregnancy**
 Diseases of pregnancy and their treatment
- .31 **Ectopic gestation** **Extra-uterin pregnancy**
- .32 **Pathology of ovum**
- .33 **Deth and retention of fetus**
- .34 **Pathology of fetal appendages**
- .35 **Decidua**
- .36 **Placenta**
- .37 **Amnion**
- .38 **Umbilic cord**
- .39 **Abortion** **Miscarriage** **Stillbirth** **Molar pregnancy**
 See 173.4 Infanticide; 340.6 Medical jurisprudence; 343 Criminal law
- .4 **Parturition** **Labor** **Physiology**
- .41 **Mechanlsm of labor**
- .42 **Presentations** **Positions**
- .43 **Clinic course and phenomena**
- .44 **Conduct of normal labor** **Management**
- .5 **Pathology of labor**
 Abnormal labor from faults
- .51 **of powers** **Anomalies of expellent forces**
- .52 **of passages** **Mechanical obstacles to expulsion of fetus**
- .53 **of child** **Abnormalities of fetus** *See 617.3 Deformities*
- Complications**
- .54 **Hemorrhage**
- .55 **Rupture or laceration of genital tract**
- .56 **Retention of placenta**
- .57 **Inversion of uterus**
- .58 **Prolapsus funis**
- .59 **Other complications**

MEDICIN: SURGERY

- 618.6 Puerperal state Physiology**
 - Management, including care of child
 - .7 Pathology of puerperal state Puerperal diseases**
 - .71 Diseases of lactation: milk fever, mastitis, etc.**
 - .72 Puerperal fever See 614.545 Public health**
 - .73 Metritis Peritonitis See also 616.38 Cellulitis**
 - .74 Septicemia See also 616.944 Pyemia See also 616.943**
 - .75 Convulsions See 616.845 Eclampsia**
 - .76 Puerperal mania See 132.1 Insanity**
 - .77 Phlebitis Venous thrombosis Phlegmasia dolens**
 - See 616.14 Diseases of veins
 - .78 Other puerperal affections**
 - .79 Sudden death after delivery**
 - .8 Obstetric operations**
 - .81 Application of lever and forceps**
 - .82 Version**
 - .83 Embryotomy**
 - .84 Dilatation of os and cervix**
 - .85 Symphyseotomy**
 - .86 Cæsarian section**
 - .87 Removal of placenta**
 - .88 Induction of labor Removal of ovum**
 - .89 Intra-uterin injections Antiseptics in midwifery**
 - .9 Pediatrics Diseases of children**
- 619 Comparativ medicin Veterinary**
- .1 Horses**
 - .2 Cattle**
 - .3 Sheep, goats**
 - .4 Swine**
 - .5 Poultry**
 - .6 Birds**
 - .7 Dogs**
 - .8 Cats**
 - .9 Other**

DECIMAL CLASSIFICATION

620 Engineering

See also 690 Bilding; 721 Architectural construction

SUMMARY

- 620.1 Applied mechanics Engineering materials
- 621 **Mechanical engineering**
 - .1 Steam engineering
 - .2 Hydraulic engins or motors
 - .3 Electric engineering
 - .4 Air and gas engins and other motors
 - .5 Pneumatic machinery Refrigerating machines
 - .6 Blowing and pumping engins
 - .7 Mills Factories Engineering works
 - .8 Millwork Hoisting and conveying machinery
 - .9 Machine tools
- 622 **Mining engineering**
- 623 **Military and naval engineering**
 - .8 Naval architecture
- 624 **Bridges and roofs**
- 625 **Railroad and road engineering**
- 626 **Canal engineering**
- 627 **River, harbor and general hydraulic engineering**
- 628 **Sanitary engineering**
- 629 **Other engineering industries**

- .01 Statistics
- .02 Quantities and cost
- .03 Contracts and specifications
- .04 Designs and drawings
- .05 Executiv
- .06 Working and maintenance
- .07 Laws and regulations
- .08 Patents
- .09 Reports
- .1 **Applied mechanics Engineering materials**

Class here general works on materials with reference to their fitness in engineering See also 691 Bilding materials
- .11 **Strength of materials General theory**

General works considering various materials. For particular materials see 620.12-.19 Provision is made below for classing tests on 2 different bases: 1) by character of test, 2) by material tested. Class under material rather than under test when the two conflict. See also note under 620.112 For theory or mechanics of structures see 624; for theories of construction of bildings see 690.1
- .111 **General**

This hed is left for specialists wishing to analyze general works or collect clippings and notes too limited for .11 yet not specific enough to be put with a particular test or material. Libraries are unlikely to need any general hed except 620.11

ENGINEERING

- 620.112 Tests Factors affecting strength
- Kinds of tests. Directions for making various tests, laboratory manuals
 - See note to 620.11
 - 1 General: influence of temperature, selection of test pieces, etc.
 - 2 Corrosion Wethering Protection against deteriorating influences
 - 3 Elastic limit tests: plasticity, fatigue, deformation
 - See also 620.11246 Repeated stress
 - 4 Tension, compression, torsion, flexure, shearing
 - Class here combined tests as well as general works covering these tests
 - If wisht, subdivide farther as follows:
 - 47 Tensil tests
 - 42 Compression tests
 - 43 Torsion "
 - 44 Flexure (transverse) tests
 - 45 Shearing tests
 - 46 Repeated stress tests
 - 5 Impact Repeated shock tests
 - Crystallization and formation of cleavage planes
 - 6 Hardness tests
 - 7 Special tests
 - Varying for different materials
 - 8 Tests on special shapes and forms
 - 82 Plates and structural shapes
 - Bars, rods, angles, beams: T, bulb, I, and channel beams
 - 83 Columns, bilt columns Tubes, pipes, cylinders
 - 84 Rollers Spheres, solid or hollow Ball bearings
 - 85 Springs
 - 86 Hooks Chains Hoops Rings
 - 87 Rivets Bolts Screws Nails
 - Riveted joints of plates
 - 88 Wire Wire rope Cables Hawsers
 - 89 Other forms
 - 9 Other tests
 - .12 Tests of timber See note to 620.11
 - .13 Stone Cement Concrete
 - .132 Stone
 - .135 Cement
 - .136 Concrete
 - .137 Reinforced concrete
 - .139 Other: artificial stone
 - .14 Brick, tile, etc.
 - For glass see 666.1 Manufacture of glass, 691.6 Glass as a bilding material.
 - In engineering it is an accessory material not requiring a place under strength tests
 - .15 Masonry adhesivs
 - Cement, mortar, plaster of paris, etc. See also bilding materials 691.5
 - Lime, plaster, cement
 - .17 Iron and steel
 - .18 Other metals
 - .19 Other materials
 - Mineral: asbestos, mineral wool
 - .195 Asphalt Tar
 - .196 Vegetable: paper, hemp, etc.
 - .197 Animal: hair, hide, bone, etc.
 - .198
 - .199
 - 2 Compendis Handbooks Kent, Trautwine
 - 3 Dictionaries, cyclopedias
 - 4 Essays
 - 5 Periodicals
 - 6 Societies
 - 7 Study and teaching Instruments
 - 8 Tables and calculations
 - 9 History of engineering

621 Mechanical engineering

May be subdivided like 620.0 and by form numbers

- .I **Steam engineering**
 - Subdivide like 620 and 620.0, but use 621.101 as below. Other generalities of steam engineering are in 621.11 and 621.18
 - .101 Applied thermodynamics
 - Theory and use of steam in steam engine General energy considerations
 - Steam economy
 - 1 General
 - Expansion, entropy; extension of expansion approaching vacuum (condensers) superheating, cylinder condensation, jacketing, etc. For condensers, superheaters, etc. see 621.197
 - .11 Mechanism of steam engine Design of engine parts
 - .111 General
 - .112 Types of engines: structural
 - Reciprocating engines in general. Types specified below are all reciprocating, except 1 Primitiv and 9 Other
 - 1 Primitiv
 - 21 Single acting
 - 22 Double acting
 - 3 According to transmission of motion
 - 32 Direct connected
 - 33 Indirect: beam connected
 - 4 According to position
 - 42 Horizontal
 - 44 Vertical
 - 45 Oscillating
 - 46 Inclined
 - 5 According to terminal pressure
 - 52 Condensing
 - In early period called 'low pressure'
 - 53 Noncondensing
 - In early period called 'high pressure'
 - 6 According to expansion
 - 61 Single expansion
 - 62 Compound
 - 63 Double expansion: cross compound
 - 64 " " tandem "
 - 65 " " angle "
 - 66 Triple expansion
 - 67 Quadruple expansion
 - 9 Other types
 - 95 Steam turbins
 - Better clast 621.165
 - 96 Rotary engines
 - Better clast 621.166
 - .12 Marine engines
 - For propulsion see 623.8 Naval architecture
 - .121 General
 - See also 621.11 and 621.18
 - .122 Types of marine engines
 - 1 Primitiv
 - Inventions of Papin, Perier, Fulton, Stevens, etc
 - 2 Beam and side lever engines
 - 4 Horizontal, inclined, vertical engines
 - 5 Oscillating
 - 8 Launch engines
 - 9 Other special engines
 - .123 Marine steam turbins
 - See also 621.165

STEAM ENGINEERING

621.13 Locomotivs

.131 Theory of the locomotiv

1 Adhesion Tractiv force Horsepower

2
3 Tests

.132 Types

Variations modifying tractiv force and speed, and affecting more than
1 class of mechanism. For variations in steam apparatus (oil burning
locomotivs, etc.) see 621.133 and 621.134

1 Primitiv forms

2
3 Types according to distribution of wheelbase and load
Express by Whyte nomenclature for wheel combinations

5
6 Types according to purpose
62 Freight or goods engines Hog engin
63 Yard, switch or shunting engines
65 Passenger engines
67 Mountain "
68 Mining "

69 Other special locomotivs

8 Peculiar types
Combined 'engin and coach wagon'

9 Types in different countries
Subdivided like 940-999; e.g. English locomotivs 621.132942

.133 Locomotiv boilers Production of steam

Better clast in 621.18423, as boilers of locomotiv type serv many other
purposes For boiler management see 621.193

1 Combustion Fuels Petroleum Fuel consumption
See also 621.18357

2 Grate and ashpit Firebox Stays
See also 621.1835

3 Shell and tubes

4 Smokebox and stack Spark arresters
See also 621.1838

5 Exhaust pipe

6 Dome

9 Miscellaneous fittings
Gage cocks, safety valvs, whistles, pumps, injectors, etc.

.134 Engin of the locomotiv

1 Driving mechanism Cylinders, pistons, rods

2 Steam distribution Valvs and valv gears

22 Special types of valvs and valv gear

3
4 Compound principle
Distribution in compound locomotivs

5 Lubrication of locomotiv

9 Other parts of locomotiv: throttle, etc.

.135 Running gear

.136 Tenders

1 Design, weight, brakes, etc.

2 Appliances

3 Taking water without stopping; track tanks; water scoops

.139 Miscellaneous parts

Cowcatcher or pilot, hedlight, whistle, bell, sandbox

DECIMAL CLASSIFICATION

- 621.14 Traction engines Road locomotivs
 Selfpropelling engines for hauling over roads or ground, or doing other work by locomotion. For railway engines see 621.13. For stationary hauling engines see 621.162
 Hauling may be accomplished either by engines applying their power directly and moving with the load, i.e. locomotiv (621.13) over rails; or traction engines (621.14) over ground or roads; or by engines applying their power indirectly thru cables, etc. and standing in a fixed position either temporarily (621.15) or permanently (621.16)
- .141 Theory General
- .142
- .143 Boilers
 Better class in 621.18423; 621.143 if used is limited to discussion of those suitable to traction engines
- .144 Types Traction engines for special uses
- .145 Compressing machines Steam rollers
- .146 Agricultural: plows, reapers, etc.
- .15 Portable engines
 Engines that may be moved from place to place, but that remain in a fixed position when working. If selfpropelling, the selfpropulsion is incidental. For fire engines and other pumping engines see 621.64
- .151 Theory General
- .152 Types, structural, etc.
- .153 Boilers
 Better class in 621.18423. If used, limited to discussion of those suitable to portable engines
- .154 Portable engines for special purposes
 Hoisting, dredging, drilling, etc. See also 621.86 Hoisting and conveying machinery; 621.68 Fire engines; 627.7 Dredge;
- .156 Agricultural: threshers, etc.
- .159 Semistationary engines Various types
- .16 Stationary engines
 Engines fixed in position; e.g. those running factory machinery, cables, elevators, etc. For management see 621.193. For boilers see 621.18424
- .161 Theory and general
- .162 Types by use: hauling, dredging, etc.
 For pumps see 621.64. For types class by engine mechanism see 621.164
- .163 Stationary boilers
 Better class in 621.18424 with only reference here
- .164 Types according to characteristics of engine mechanism or steam distribution
 When mechanism and steam distribution conflict, class according to mechanism; e.g. compound releasing-gear engines 621.1644 rather than 621.1647. Each type may be subdivided like 621.11; e.g. vertical throttling engines 621.1642244
- 1 General
 - 2 Throttling engines
 - 3 Automatic shaft governor engines
 - 4 Releasing gear (Corliss) engines Drop cutoff
 - 5 Single acting engines: Westinghouse or Willans type
 - 6 Simple engines
 - 7 Compound engines, triple expansion, etc.

STEAM ENGINEERING

621.165

Steam turbines

See also 621.123 Marine steam turbines

- 1 Theory
- 11 Methods of calculation
- 12 Vanes and buckets
- 13 Guide vanes and nozzles
- 14 Stresses in rotor or disc
- 15 Windage
- 2 Types
- 22 Velocity turbines
- 23 Pressure turbines
- 24 Combined velocity and pressure turbines
- 3 Construction Details of design
- 32 Vanes Buckets
- 33 Guide vanes Nozzles
- 34 Rotor Discs
- 35 Valves, governors, safety devices
- 36 Thrust balancing
- 37 Mass "
- 38 Casing, etc.
- 39 Bearings, etc.

.166

Rotary engines

.169

.18

Steam generation and transmission

Fuels, furnaces, boilers, piping, power plants
For steam heating see 697.5

.181

General

.182

Fuels Combustion

- 2 Fuels for boiler heating
 - For fuels in general and fuel analysis see 662.6
- 22 Solid fuels: coal, lignite, wood, sawdust, peat
- 23 Liquid fuels: tar, petroleum, alcohol
- 24 Gaseous fuels: gas from blast furnaces, coke ovens; natural gas
- 25 Composit fuels: city refuse, coal dust, trash
- 3 Fuel consumption
 - Practical experiments with a single fuel
- 4 Comparativ consumption
 - Practical experiments with various fuels

.183

Furnace Draft

- 1 General
 - Heating and grate surfaces
- 2 Types of furnaces
- 3 Furnace parts and construction details
- 32 Grates
 - 33 Stationary grates
 - 34 Shaking, dumping and step grates
- 35 Ashpits Furnace doors
- 37 Burners for liquid fuel
- 6 Mechanical stokers
 - 62 With traveling grate
 - 63 " reeking "
 - 64 " step grate (Roney grate)
 - 65 " plunger
 - 66 " screw
- 7 Other appliances
 - 77 Pulverized fuel appliances
 - 78 Fuel and ash conveyers Ash removers
 - See also 621.86 Hoisting and conveying machinery
- 8 Chimneys Stacks Draft appliances
 - Smoke consumers. For smoke prevention see 621.194: Firing
- 82 Natural draft Dampers Uptakes
- 84 Induced draft
- 85 Forced draft

DECIMAL CLASSIFICATION

- 621.184 **Boilers** For boiler plants see 621.19
 - 1 **General**
 - 13 Boiler economy Tests Feedwater
 - 2 **Types**
 - 22 Marine
 - 23 Locomotiv, traction, portable
 - 24 Stationary
 - 25 Firetube boilers (tubular)
 - 252 Internally fired
 - 253 Externally "
 - 26 Water tube boilers (tubulous)
 - 27 Flash generators Instantaneous vaporizing boilers
 - 5 **Boiler construction** Setting Parts
 - 52 Shell Heds Tubesheets Domes Drums
 - Riveted joints, staying and bracing
 - 53 Tubes Ferules Rings
 - 54 Casing
 - 55 Inspection and cleaning parts: man and hand holes, cleanouts, covers
 - 56 Setting and hanging
 - 57 Foundations: masonry, flues, etc.
 - 7 **Boiler accessories**
 - 72 Water gages, floaters, gage glasses, warning whistles
 - 73 Pressure gages, manometers, safety valves
 - 79 Other: air cocks and blowout valves, zincs, steam collectors
- .185 **Steam transmission and distribution Piping**
 - 1 **General; laws of flow, condensation, friction**
 - 3 Connections; mains, auxiliary piping
 - 4 Valves Stop, safety, reducing Pressure regulators
 - 5 Drains and traps Receivers and distributing valves
 - 6 Covering Insulators
 - Nonconductors for high, low and medium temperatures
 - 7 Joints and cements Expansion joints
 - 8 Utilization of exhaust steam See also 697.5 Steam heating
- .19 **Steam boiler and power plants Central stations**
 - See also bilding, 697.5 Steam heating; and Boiler, Boilers in Relativ index
- .191 **General**
- .192 **Arrangement and housing of apparatus**
 - 5 Provision for enlargement
- .193 **Care and management of steam apparatus**
- .194 **Boilers**
 - 1 **Firing**
 - 2 **Feeding**
 - Put here general discussion of feeding and feedwater appliances
 - For separate description of appliances see 621.197
 - 3 Treatment of feed water: purification, softening
 - 4 Scale prevention Incrustation
 - 7 **Inspection Tests Rating**
- .195 **Engins: oiling, packing, adjusting**
- .196 **Duration Wear**
 - 5 Corrosion
- .197 **Steam plant accessories Economic appurtenances**
 - 2 **Feedwater appliances**
 - Tanks, heaters, economizers, filters, purifiers, regulators
 - 3 **Pumps Injectors Return traps**
 - 4 **Separators**
 - 5 **Superheaters**
 - 6 **Condensers and cooling towers**
 - 62 Surface condensers
 - 63 Jet condensers
 - 64 Cooling towers
 - 67 Condenser accessories
 - 7 **Instruments**
 - Indicators, tachometers, gages, dynamometers, thermometers, pyrometers, lubricators, etc.

ENGINEERING

621.2 Hydraulic engines or motors

Industrial use of water as moti^v power, including machines run by water under pressure produced by accumulators and also constructions and appliances for distributing and regulating supply of water to motors
For hydraulic engineering (dam, breakwater, etc.) see 627; for pumps see 621.6; for reservoirs, aqueducts, etc. see 628.1; for theory of mechanics of liquids see 532

.21 Water wheels

Theory, classification, parts (e.g. paddles, vanes, buckets) water gates, culverts

.22 Overshot or bucket wheels Brest wheels

.221 Overshot wheels of low velocity

.222 Overshot wheels of high velocity

.223 Brest wheels Fairbairn wheels

.224 Sluice gate or Sagebien wheels

.23 Undershot or impulse wheels and floating wheels

.231 Ordinary undershot wheels

.232 Wheels with curvd vanes or buckets Pelton wheel

.233 Vertical impulse wheels

.234 Current suspension wheels

.235 Floating wheels

.24 Turbines

See also 621.165 Steam turbines

.241 General: parts (e.g. distributors, buckets, guide vanes) regulators

.242 Reaction or pressure turbines

.243 Outward flow

Early forms: Barker's mill

.244 Inward flow

.245 Downward flow

.247 Impulse or Girard turbines

.25 Water pressure engines Accumulators

.252 Hydraulic pumps

.253 Piping for high pressure

.254 Accumulators

.26 Hydraulic machinery and appliances

For theory see 532.81

.262 Funicular engines Hydraulic tackle

.263 Hoists Elevators Cranes

Class preferably in 621.86; i.e. purpose outweighs moti^v power

.264 Special handling and lifting machinery for steel works, etc.

.266 Presses Forging and stamping machines

.267 Accessories: injection pumps

.269 Mining, tunneling and other hydraulic appliances

Hydraulic giant, Brandt's hydraulic gun

.27 Hydraulic rams

For theory see physics 532.83

.272 Lifting rams Montgolfier ram, Bolle ram, etc.

.273 Pumping rams Leblanc ram

See also 621.64 Pumps

.274 Compressing rams Sommelier ram

.29 Flood gates Dams Mill sluices Hed and tail races

Adaptation to hydraulic motors. For methods and principles of construction see 627.8 Hydraulic engineering

DECIMAL CLASSIFICATION

621.3 Electric engineering

001 Statistics; 002 Quantities and cost; 003 Contracts and specifications;
004 Designs and drawings; 005 Executiv; 006 Working and maintenance;
007 Laws and regulations; 008 Patents; 009 Reports
May also be subdivided for form with 0 like 620.1-9

SUMMARY

621.31-7 Hevy current engineering

- .31 Generation of electricity
- .311 General
- .312 Central stations
- .313 Dynamoelectric machinery
- .314 Stationary induction apparatus
- .315 Electrostatic apparatus
- .316 Accessories and parts
- .317 Control and central station wiring
- .319 Transmission
- .32 Electric lighting
- .33 Electric traction
- .35 Voltaic cells and batteries
- .36
- .37 Electric measurements and testing
- .38 Weak current engineering
- .382 Telegrafy
- .384 Wireless communication
- .385 Telefony
- .39 Other applications of electricity

621.31-.37 Hevy current engineering

- .31 Generation of electricity Dynamoelectric machinery
- Transformers Transmission
- .311 General
- .312 Central stations: metropolitan, rural

Divided by 001-009 like 621.3 with the following additions to 006:

- 006 Working and maintenance
- 4 Operation and running
- 5 Regulation and control
- 8 Testing
- 9 Repairs and renewal
- Administrativ point of view; a specific repair belongs with the part repair

- 13 General central stations
- Combined power, traction, light, etc. stations
- 132 Steam driven
- 133 Gas "
- 134 Hydraulic
- 135 Composit
- 2 Stations for lighting only
- Divided by source of power like 621.31213
- 3 Stations for traction onlv
- Divided like 621.31213
- 5 Storage battery pressure regulating equipment
- 6 Substations
- 63 Transformer substations
- 64 Converter "
- 65 Accumulator "

ENGINEERING

621.313	Dynamoelectric machinery
1	General; construction, installation
2	Direct or continuous current machinery
21	Theory
22	General types
23	Continuous-current generators
	2 Series wound 3 Shunt wound 4 Compound wound
24	Continuous current motors
	Subdivided like 621.31323 above
245	Constant speed motors
246	Multispeed motors
247	Adjustable speed motors
248	Varying " " (railway motors)
25	Continuous-current converters
26	Dynamotors and motordynamos
27	Compensators or balancers
28	Continuous-current boosters
29	Other
291	Acyclic or homopolar machines
3	Alternating-current machinery
32	General types of alternating current machinery
321	Single phase machinery
322	" " "
323	" " "
325	Other polyphase machinery
4	Synchronous machinery
41	Theory
42	General types
43	Alternating-current generators
44	Synchronous motors
5	Alternating-current converters
51	Theory
52	General types Description
53	Synchronous converters
54	Phase converters
55	Frequency converters
56	Double-current generator
57	Motor converters
6	Asynchronous machines
61	Theory
62	
63	Induction generators
64	" motors
65	Series alternating-current motors
66	Repulsion motors
67	Frequency converters
68	Phase converters
7	Rectifying apparatus
72	Mechanical rectifiers
73	Arc "
74	Electrolytic "

DECIMAL CLASSIFICATION

- 621.314 Stationary induction apparatus
 - 1 Theory
 - 2 General types and description
 - 3 Transformers
 - 3¹ Constant-current transformers
 - 3² Constant-potential transformers
 - 3³ Phase-changing transformers
 - 3⁴ Meter transformers
 - 3⁸ Auto transformers
 - 4 Auto transformers
 - 5 Potential regulators
 - 5¹ Compensator potential regulators
 - 5² Induction " "
 - 5³ Magneto " "
 - 6 Reactors or choke coils
 - 7 Induction coils
- .315 Electrostatic apparatus: condensers
- .316 Details of electric machinery Parts
 - Armatures, field cores, etc.
- .317 Central station wiring Control devices and switchboards
 - For meters and measuring instruments see 621.37
 - 1 General
 - 2 Panels
 - 2² Generator panels
 - 2³ Motor "
 - 2⁴ Feeder "
 - 2⁵ Transformer "
 - 2⁶ Converter "
 - 2⁷ Lighting "
 - 2⁸ Accumulator "
 - 3 Switches
 - 3¹ General
 - 3² Knife switches
 - 3³ Dial "
 - 3⁴ Plug "
 - 3⁵ Oil "
 - 3⁶ Circuit breakers
 - 4 Rheostats and control devices
 - 5 Signal devices
 - 6
 - 7 Barriers and compartments
 - 8 Station protective devices (fuzes, lightning arresters, etc.)
- .318 Manufacturing processes
 - Processes peculiar to electric machinery and apparatus: e.g. insulating, varnishing, baking, armature stamps and dies

ENGINEERING

- 621.319 **Transmission of electric energy**
Limited to transmission of current from control to substations (stepdown transformers) and to questions common to all lines. For transmission systems for a special application see subject; e.g. traction lines 621.332
- 1 **General**
 - 12 **Systems**
 - 122 **Direct or continuous current systems**
 - Including 2 wire systems
 - 123 3 wire (or Edison) and other
 - 129 Other direct current systems
 - 13 **Alternating current systems**
 - 131 **Single phase systems**
 - 132 **2 phase (or quarter phase) systems**
 - 3 3 wire system
 - 4 4 " "
 - 133 **3 phase systems**
 - 2 Delta or mesh connections
 - 3 Star or Y connections
 - 139 **Other polyphase systems**
 - 15 **Composit systems**
 - Direct and alternating current combin. d
 - 2 **Lines and conductors**
 - For local wiring see specific application; e.g. electric light wiring 621.328
 - 21 **General**
 - Interaction of parallel lines, heat losses. For traction lines see 621.332; for interior wiring for electric light see 621.328, for telegraph see 621.382, for telephones see 621.385-7
 - 22 **Overhed or aerial lines**
 - 222 **Systems**
 - 223 **Poles: foundations, guys, etc.**
 - 224 **Cross arms Pins**
 - 225 **Towers**
 - 23 **Underground lines**
 - 232 **Systems**
 - 233 **Condits**
 - 234 **Manholes**
 - 3 **Cables and conductors** **Insulating materials**
 - 32 **Uninsulated conductors** **Bare wire**
 - 33 **Insulated** " **Wire and cable**
 - 34 **Cables**
 - 37 **Insulating materials**
 - Leakage Influence of chemic composition
 - 4 **Insulators**
 - 8 **Protectiv devices**
 - 82 **Line lightning arresters**
 - For protection of central stations see 621.3178

DECIMAL CLASSIFICATION

621.32 Electric lighting Illumination

Class here works limited to electric lighting, but more general than any of the subheads below. This number is for matter differentiating lighting from other branches of electric engineering, but not for subjects which lighting has in common with other branches. For generation and control of electricity (including central stations) see 621.31, for transmission and wiring see 621.319, for measuring see 621.37
For theory of electric light see 537.83 Electric lighting

.321 General

.325 Arc lighting

Including systems and lamps

1 General: efficiency, cost, etc.

2 Constant-current or series systems

3 Constant potential or parallel systems

4-5 Arc lighting according to

4 Type of arc

If emphasis is on form of current, class under 621.3255 If there is conflict, prefer 621.3254

42 Open arc

421 " " direct current

422 " " alternating current

43 Inclosed arc

431 " " direct current

432 " " alternating current

433 Form of current

5 If emphasis is on type of arc, class in 621.3254

52 Direct current

521 " " open arc

522 " " inclosed arc

53 Alternating current

531 " " open arc

532 " " inclosed arc

6 Composit electrode arcs

Flaming arcs. Carbid, Bremer magnetite, titanium oxid arcs

7 Details Accessories

Arc light carbons

8 Applications

For welding see physics 537.85, and metallurgy 669

" therapeutic applications see 615.84 and 621.3915

82 Searchlights

326 Incandescent lighting

Including lamps and systems

1 General: efficiency, cost, etc.

2 Systems (Edison 3 wire system)

3 Carbon filament lamps

31 Metalized filaments

32 Other carbon filaments

4 Metal filament lamps

41 Platinum filaments

42 Tantalum "

43 Tungsten "

44 Osmium "

45 Other metal filaments

5 Glowers of other materials

53 Nernst lamps

ENGINEERING

- 621.327 Incandescent vapor lighting and lamps Other electric lighting
- 3 Vacuum or incandescent vapor lamps
 - 4 Mercury vapor lamps
 - For mercury rectifiers see 621.3137
 - 5 Carbon vapor lamps Moore lamp
 - 7 Vacuum lamps for special radiations: Crookes tubes, etc.
- .328 Apparatus at servis end of line
- 1 Underwriters requirements
 - National electric code
 - 2 House wiring
 - 3 Panels
 - 4 Fuzes
 - 5 Insulators, etc.
 - 6 Meters
 - See also 621.37 Electric measurements and testing
 - 7 Switches
 - 8
 - 9 Other apparatus
- .33 Electric traction
- See 625 for construction of route; 656 for business management, maintenance; 654 for communication and signals; 699 for car bilding; 725 3 for architecture of stations, terminals, carsheds, shops, round houses, etc. This number is concernd properly only with the apparatus and appliances for transmission and use of the current after it enters the line.
- .33I General
- 2 Systems
 - 4 Systems according to current
 - 42 Direct current
 - 43 Alternating current
 - 431 Single-phase
 - 432 2 phase
 - 433 3 phase
 - 439 Others
 - 5 Systems according to delivery of power
 - 52 Trolley systems
 - 53 Overhed trolley
 - 54 Underground trolley
 - 56 Third rail systems
 - 562 Unprotected third rail
 - 564 Protected " "
- .332 The line (including track)
- 1 General
 - Interaction of parallel lines, heat losses, etc. are better clast in 621.31921
 - 17 Feeders and return systems
 - 2 Overhed wire Trolley lines
 - 23 Catenary suspension
 - 25 Trackless trolley
 - 3 Third rail
 - 5 Underground conductor or contact
 - 6
 - 7 Accessories
 - 9 Other types of line
- .333 Track
- 1 General
 - 16 Deteriorating influences
 - 167 Electrolysis Leakage
 - 2 Rails
 - 4 Bonding

DECIMAL CLASSIFICATION

- 621.334 Rolling stock
 - For nonelectric rolling stock see 656 for administration, 699 for construction
 - 2 Locomotivs
 - 3 Motor tramcars
 - 4 Accessories and parts Control systems
 - Motor, controller, current collecting devices, etc. Multiple unit control
 - 5 Locomotiv and car wiring
 - 7 Runng gear and other nonelectric details
- .35 Chemic electricity Voltaic cells and generators
 - Primary and secondary
- .351 General
 - E.m.f. counter e.m.f. polarization, weight, capacity; efficiency, life, crumbling, deterioration and detrimental influences; residues
- .352 Parts and accessories of cells and accumulators
 - 1 Containers: jars, trofs, vats, etc.
 - 2 Electrodes and their accessories: positiv and negativ plates or elements
 - Grids, supporting frames, insulating rods, etc.
 - 3 Diaframs and partitions
 - 4 Electrolytes Depolarizers Packing
 - 5 Circulators Conditis and piping
 - 6 Connections Terminals Binding posts
 - 7 Regulating apparatus
 - 8
 - 9 Other apparatus
- .353 Primary cells
 - See also 537.5 Voltaic electricity; 541.37 Electrochemistry
 - 1 General
 - 3 Single fluid
 - 4 Double " Hevy current cells
 - 5 Open circuit or nondepolarized
 - 6 Closed circuit or depolarized
 - 7 Accessories and parts
 - 8 Classification according to use or operating methods
- .354 Accumulators or storage batteries
 - Secondary cells and batteries
 - 1 General
 - 18 Care and handling of accumulators
 - 7 Accessories and parts
- .355 Led accumulators
 - 1 General
 - 18 Care and handling
 - 2 Naturally formd: Planté type
 - 3 Artificially formd: Faure type
 - 4 Combined Planté-Faure types
 - 5 Other led accumulators
 - 52 Complex oxid types
 - 55 Led element accumulators
 - 56 Copper led "
 - 57 Zinc " "
 - 58 Cadmium " "
- .356 Alkalin accumulators
- .357 Other types of accumulators
 - Thallium, gas, etc.
- .358 Other classifications of accumulators
 - According to use or operation
- .359 Other topics pertaining to chemic generation of electricity
- .36 Vacant for future use; perhaps for direct transformation of heat or fuel energy

ENGINEERING

- 621.37 Electric measurements, meters and testing
 - .371 General
 - Tariffs may be class here, tho better put in 654
 - .372 Standards Calibration of instruments
 - .373 Meters General types
 - Recording meters. See also special meters, 621.384
 - Prepayment meters. See also special meters, e.g. 621.3745 Watt hour
 - .374 Special meters and measurements
 - 2 Resistance meters: inductance, capacity
 - Wheatstone bridges, ohmmeters, resistance boxes
 - 3 Potential meters: voltage
 - Voltmeters, electrometers, standard cells
 - 4 Intensity meters: current
 - Galvanometers, ammeters, coulometers, Ampère-hour meters
 - 5 Quantity or work meters Watt-hour meters
 - 6 Power meters Watt meters
 - 7 Frequency meters Oscillographs
 - 9 Other meters and measurements
 - 91 Phase meters Power-factor meters Synchronizers
 - .379 Other electric measuring instruments
 - For other than electric measurements; e.g. electric thermometers
 - Weak current engineering
- .38 Electric communication: telegraphy, telephony, wireless
 - Libraries have too much material class in 654 to make it practicable to abolish that number for construction and instruments; but for electric engineers and new libraries who prefer it, the detaild technical classification is developed here.
 - For overhead or underground lines see 621.3192
- .381 General
- .382 Telegraphy Systems
 - When systems and instruments conflict, classify according to systems.
 - For business administration, see 654; for wireless see 621.384
- 15 Codes
 - 152 Morse
 - 153 Continental
 - 154 Phillips (press code)
 - 2 A B C, dial, needle telegraph, etc.
 - 21 Early experimental forms
 - 22 A B C
 - 23 Dial
 - 24 Needle
 - 25 Pointer
 - 29 Other
 - 3 Hand operated code telegraphy
 - 31 Simplex
 - 311 Open circuit
 - 312 Closed circuit
 - 32 Duplex
 - 321 Differential duplex systems
 - 322 Stearns duplex
 - 323 Polar duplex
 - 325 Bridge duplex systems

DECIMAL CLASSIFICATION

- 621.382 34 **Quadruplex**
- 35 **Multiplex**
- 36 Synchronous multiplex: Delany
- 37 Harmonic " Gray
- 4 **Automatic code telegraf High speed systems**
- 41 Electrochemic automatic: Bain, Morse
- 44 Ink recording or embossing
- 45 Wheatstone
- 46 Pollak-Virag
- 47 Telepost (Delany)
- 5 **Printing telegraf**
- 51 Tape printing: stock tickets
- 53 Other tape printing: Hughes
- 55 Page printing: Buckingham, Murray, Baudot
- 57 Multiple page printing: Rowland
- 6 **Writing telegraf**
- Transmitting and recording characters while being written; Gray's telautograf
- 7 **Facsimile telegraf**
- Sometimes cald fototelegraf
- 8 **Submarine cable telegraf**
- 9 **Other wire systems**
- 94 Induction telegraf; from moving trains, etc.
- 95 Combined telegraf and telefony Phantom circuits
- .383 **Telegraf instruments**
- 1 **Transmitting: keys, senders, etc.**
- 2 **Intermediate and accessory: relays, repeaters, switches**
- 21 **Relays**
- 22 Differential relays
- 23 Polarized "
- 24 Repeaters, for simplex; Milliken, Ghegan, Toye, etc.
- 25 " " duplex or quadruplex
- 26 'Half' repeaters
- 27 Switches and distributing apparatus
- 28 Protectiv apparatus
- 29 Miscellaneous telegraf accessories
- 3 **Receiving instruments**
- Sounders, recorders, etc. Subdivided, if wisht, like 621.3824-8
- .384 **Wireless electric communication: telegraf, telefony**
- 1 **General**
- 2 **Wireless telegraf Systems**
- 21 Spark telegraf; by free oscillations
- 25 Continuous-train telegraf; by forced oscillations
- 3 **Instruments**
- 31 Sending apparatus
- 35 Antennae, aerials, and their substitutes
- 36 Receiving instruments and apparatus
- 4 Applications, adaptations, specific installations
- 5 **Wireless telefony systems**
- 6 **Apparatus**
- 61 Sending apparatus
- 65 Aerials, etc.
- 66 Receiving apparatus
- 7 Applications, adaptations, specific installations
- 8 Vacant for possible development of visual transmission by wireless

ENGINEERING

- 621.385 **Telephony Systems**
 - See also 621.3845 Wireless telephony
 - 1 General**
 - 2 Party line**
 - When 2 and 3 or 2 and 4 conflict, 3 or 4 prevails
 - 22 Series**
 - 23 Bridging**
 - 24 Selectiv**
 - 3 Intercommunicating systems**
 - Without central switchboard
 - 32 Common return systems; selectiv at each station**
 - 34 Radial common return systems; selectiv at one station only**
 - 36 2-wire systems; separate returns**
 - 4 Central switchboard systems**
 - Manual; for automatic see 621.3857
 - 42 Local battery or magneto systems**
 - 46 Common battery or central energy systems**
 - 5 Multiple switchboard systems**
 - 6 Trunking Transfer systems**
 - 61 Trunking**
 - 63 Transfer systems**
 - 7 Semiautomatic and automatic systems**
 - 72 Semiautomatic**
 - 75 Automatic**
 - 76 Strowger system (Automatic Electric Co)**
 - 8 Private exchanges**
- .386 **Telephone instruments**
 - Terminal; subscriber's instruments
 - 2 Transmitters**
 - 3 Receivers**
 - 4 Induction coils**
 - 5 Condensers**
 - 6 Hook or other switches**
 - 7 Call receiving apparatus**
 - 8 Call sending**
 - 9 Miscellaneous accessories**
 - 92 Coin collecting devices**
 - 94 Protectiv devices**
 - 96 Current supply (local batteries)**
- .387 **Central switchboards and other station equipment**
 - 1 General**
 - 2 Switchboards, manual**
 - 22 Local battery or magneto**
 - 26 Common battery**
 - 3 Multiple switchboards**
 - 35 Divided multiple**
 - 4 Trunks Transfer boards**
 - 41 Trunks and trunking**
 - 43 A boards**
 - 45 B boards**
 - 47 Multiple plug transfer**
 - 5 Switchboard parts and accessories**

DECIMAL CLASSIFICATION

- 621.387 6 **Power plant equipment and accessories**
- 62 Accumulators
- 63 Charging generators
- 64 Ringing "
- 7 **Automatic and semiautomatic switchboards**
Including accessories. Subdivided like 621.3857
- 8 **Telephone transmission**
For transmission common to other branches of electricity see 621.319
Put here only that peculiar to telephony
- 81
- 82 Long distance
- 83 Transposition
- 84 Telephone cable construction
- 85 Loading
- 86 Pupin coils
- 9 **Other central station accessories**
- 92 Distributing frames and racks; main
- 93 " " " intermediate or secondary
- 94 **Protective devices**
See also 621.3178 and 621.31982
- 96 **Meters and counters**
See also 621.3286 Electric light meters
- .388 Vacant for visual transmission by wire
- .389 **Other electric communication**
- .39 **Other applications of electricity**
Subdivide like 600; e.g. electricity applied to mining 621.3922, applied to
medicine 621.3915. This place is provided for specialists who prefer to
mass all their material under 621.3. Libraries should class rather by pur-
pose of the application; e.g. books on electric heating will be more useful in
a general library under 697.7 with the question of heating than in 621.3997
with a general assortment of unrelated applications. References here show
a library's resources on special applications
- .4 **Air and gas engines, etc.**
- .41 Hot air engines
- .42 Comprest or rarefied air or gas engines
- .43 Internal combustion engines
- .431 General theory of internal combustion engines
- .432 Cycles and systems of operation
 - 1 4-cycle systems Otto cycle
 - 2 2-cycle systems
 - 3 Other and modified systems
- .433 Gas turbines
- .434 **Internal combustion engines classed by fuels**
 - 1 **Engins for gaseous fuels**
 - 11 **Engins for natural gas**
 - 12 " " illuminating gas
 - 13 " " blast furnace gas
 - 14 " " producer gas. For gas producers see 665.8
 - 15 **Engins for acetylene gas**
 - 2 **Engins for liquid fuels**
 - 21 **Engins for gasolene**
 - 22 " " kerosene
 - 23 " " other petroleum oils
 - 24 " " alcohol
 - 3 **Engins for solid fuels**

ENGINEERING

- 621.436 Special engines or motors
 Those not limited to a single system or fuel; e.g. description or discussion of Diesel motor. Arrange alphabetically by name of machine
- .437 Parts and accessories of internal combustion engines
- .438 Special applications
- 3 Selfpropeld machinery
 Engines for farm machinery, fire engines, roadrollers, etc. See also special machines
- 4 Selfpropeld vehicles
 Class here only adaptation and application of internal combustion engines to motor vehicles. See also 629.2 for motor vehicles
- 5 Motors for small boats
- 6 " " large vessels
- 7 Airship motors
 For airships see 629.15
- .44 Binary vapor engines
- .45 Windmills
- .46 Animal motors Treadmills
- .47 Solar engines
- .49 Power plants and central stations
- .5 Pneumatic machinery Mechanical refrigeration
- .51 Air compressors
- .515 Dry air compressors
- .517 Wet " "
- .52
- .53 Comprest air transmission and distribution
 532 Details of transmission Piping, mains, gages, etc. Designs of transmission
- .54 Applications for comprest air
 For pneumatic hoists, etc. see 621.86
- .541 Comprest air motors
- .542 Pneumatic tools: drills, hammers, etc.
 See also 821.9 Machine tools
- .543
- .544 Special applications in railway servis
- .545 Comprest air locomotive
- .546 Pumping by comprest air
- .549 Other applications
 Pneumatic cleaning, sandblasts, tubes
- .55 Rarefied air and vacuum appliances
 Vacuum cleaners: general discussion and description. See also domestic economy 648.52 Methods of sweeping and dusting
- .56 Refrigeration
 For cold storage see 664.8
- .564 Refrigerating fluids
- .565 Refrigerating systems and plants
- 1 Brine system
- 2 Direct expansion system
- .566 Design Calculation of piping, refrigerating surface, etc.

DECIMAL CLASSIFICATION

- 621.57 Refrigerating machines
 - .572 Ammonia compression machines
 - .573 Ammonia absorption "
 - .574 Carbonic acid machines
 - .575 Air machines, vacuum machines, etc.
 - .579 Other
 - .58 Icemaking
 - .581 Can system
 - .582 Plate system
- .6 **Blowing and pumping engines**
 - .61 Piston blowers Blast furnace blowing engines, etc.
 - .62 Rotary blowers
 - .63 Centrifugal blowers
 - Including fans: exhaust and plenum
 - .64 Power pumps and pumping engines
 - Regardless of motiv power
 - .641 General theory Design and construction
 - .642 Tests of pumps and pumping engines
 - .65 Direct acting pumps
 - .652 Piston pumps
 - .654 Plunger "
 - .66 Rotary pumps
 - .67 Centrifugal pumps
 - .68 Fire engines
 - .69 Other blowing and pumping devices
 - Steam jets, ejectors, etc.

ENGINEERING

621.7 Mills Factories Engineering works

Engineering questions affecting establishment and conduct of manufacturing plants. Arrangement of shops and departments (including storehouses, offices, etc.) with reference to sequence of processes, economy of power and handling; also equipment and internal arrangement of each shop. See also

651 Office methods and equipment
657 Accounting, costkeeping, estimates

658 Business methods

659 Advertising, etc.

670 Manufactures: articles, and methods and machines for making them

725.4 Architecture of factories

In 621.7 is considered the disposition of the material for which the architect constructs the shell, the assembling into a unit of elements essential to a great factory. A works manager may wish to keep *all* his notes on his own plant here, including machines and processes for his special product, but a general library should class manufactured articles, with the special means and methods of producing them, under the number for the article; e.g. a library would class material on spindles and looms in 677, but the manager of a woolen mill might prefer to class them in 621.7983 as an integral part of his plant, the classification under the regular number will usually prove more satisfactory in all cases

.701 Location

With reference to supply of raw material, market for finished product, shipping facilities, relative cost of freight on material or product; e.g. the much greater cost of carrying a bulky car than an equal weight of compact raw material as a factor in locating an automobile factory

.704 Organization and administration

Managers and engineers, professional staff; artisans and laborers regarded as machine accessories; hours and shifts considered solely with reference to effect on output. For wages and other economic aspects see 331 Capital, labor and wages; for factory legislation (protection and welfare of employees) see 338.9. For organization of clerical force, see 651

.705 Mechanics and laborers

.71 Drafting room

- .711 General
- .712 Arrangement
- .713 Equipment
- .714 Materials and supplies
- .715 Methods and processes
- .719 Other

.72 Woodworking shop Pattern shop

May be subdivided like 621.71

.73 Forge shop

May be subdivided like 621.71

.74 Foundry

May be subdivided like 621.71

.75 Machine shop

May be subdivided like 621.71

.76 Blast furnace

May be subdivided like 621.71

.77 Rolling and drawing mills

May be subdivided like 621.71

.78

DECIMAL CLASSIFICATION

- 621.79 Other shops and departments
 - .792 Boiler and sheet metal shops
 - Stamping and punching May be subdivided like 621.71
 - .794 Special process shops
 - Galvanizing, plating, etc. May be subdivided like 621.71
 - .795 Finishing shop
 - Painting, glazing, grinding, buffing, testing. May be subdivided like 621.71
 - .796 Storehouses
 - 2 Materials and supplies
 - 4 Explosives
 - 6 Products Shipping department
 - .798 Department turning out main product
 - Processes and machines Varying for different kinds of factories and provided only for factory use, see note to 621.7. Libraries should leave vacant May be subdivided like 621.71
 - .799 Other minor shops and departments
- .8 Principles of mechanism Power transmission
 - Hoisting and conveying machinery
 - .81 General Principles of mechanism Machine design
 - .82 Journals, shafting, etc.
 - .821 Journals
 - .822 Bearings: ball, roller, etc. Hangers Bearing metals
 - .823 Shafting
 - .8235 Flexible shafting
 - .825 Couplings and clutches Universal joints
 - Friction clutches
 - .826 Shaft brakes
 - .83 Tooth gears and cams
 - .831 General: theory, forms of teeth, tooth curves
 - .832 Efficiency of gears Tests Friction of gears
 - .833 Design of gears
 - 1 Spur gears
 - 2 Bevel and skew bevel gears
 - 3 Worm and spiral gears
 - Screws for transmitting motion, endless screws
 - .834 Construction: gear cutting and casting
 - .835 Chain gearing
 - .837 Ratchet gearing: pawls, dogs
 - .838 Cams
 - .84 Valv motions and gears
 - General, trade catalogs; for special valvs see sub,ec.
 - .846 Valvs and cocks
 - .85 Machinery and mill gearing
 - Class here transmission by flexible connections
 - .852 Belt connection
 - .853 Hemp rope transmission
 - .854 Wire rope
 - .856 Pulleys Sheaves
 - .858 Friction gearing

ENGINEERING

- 621.86 Hoisting and conveying machinery
 For dredges see hydraulic engineering, 627.7 Dredging, dredging machinery See also 621.26 Hydraulic machinery: 621.18378 Fuel and ash conveyers
- .861
 - .862 Hoists: blocks and tackle
 - .863 **Mechanical tackle** **Chain blocks**
 - .864 Winches Capstans Windlasses
 - .865 Power shovels
 - .867 Conveyers Telferage
 - 4 Belt or bucket conveyers
 - 5 Belt: moving sidewalks
 - 6 Bucket: escalators, moving stairs
 - 9 Other conveyers: cash carriers, etc.
 - .868 **Telfers**
 - 4 Selfpropelling
 - .869 Other: jacks, etc.
 - .87 Cranes and elevators
 - .871
 - .872 Derricks
 - .873 **Revolving cranes**
 - 621.873-5 may be subdivided like 621.8771-5 by kind of power if wisht; e.g. 3 Steam 4 Hydraulic 5 Electric
 - .874 **Traveling cranes**
 - .875 Locomotiv cranes
 - .876
 - .877 **Elevators**
 - 1 Handpower
 - 2 Belt driven
 - 3 Steam, gasoline
 - 4 Hydraulic
 - 5 Electric
 - 6
 - 7 For special purposes
 - 71 Passenger elevators
 - 72 Freight "
 - For mines see 622.17-.68
 - 73
 - 74 Dum waiters Book lifts
 - Lifts for small objects
 - 8 **Apparatus**
 - 81 Car and guides
 - 82 Power transmitting devices
 - 83 Counterbalancing weights and guides
 - 84 Control devices
 - 85 Safety "
 - 86 Accessories

DECIMAL CLASSIFICATION

- 621.88 Fastenings
 - .882 Screws and bolts Systems of screw threads
For screws for transmitting motion see 621.8333
 - .883 Keys and cotters
 - .884 Rivets Design of riveted joints
 - .89 Friction Lubrication Lubricants
 - .9 **Machine tools**
 - Manipulation Discussion and catalogs of different kinds and makes of metalworking tools. For manufacture of various tools, see 672. For wood-working tools, see 674 Wood manufactures; also 684 Cabinet making, 694 Carpentry, 736 Wood carving
 - .91 Planing and milling machines
 - .912 Metal planers, shapers, and slotters
 - .92 Grinding and filing Abrasives
 - .922 Cylinder and surface grinding machines
Lapping machines
 - .923 Emery wheels
 - .924 Filing machines
 - .93 Cutting and sawing
 - .931
 - .932 Metal sawing and cutting machinery
 - .94 Turning
 - .941
 - .942 Metal turning lathes
 - .943
 - .944 Pipethreading machines
 - .945 Boring mills
 - .95 Perforating machinery
 - .951
 - .952 Drilling machinery Drills
 - .953
 - .954 Reamers
 - .955 Tapping machines
 - .96 Punching and shearing machinery
 - .97 Hammers Riveting tools
 - .98 Bending, straightening, and shaping
 - .981
 - .982 Bending machinery
 - .983 Straightening machinery
 - .984 Flanging and die press machinery
 - .99

ENGINEERING

622 Mining engineering. See also 338.2 Mining products; 332.41 Coin- age metals

May be subdivided like 620 and 620.0; e. g. Societies, 622.06; Reports, 622.009

- .1 Exploration and Prospecting**
- .11 Theory Applied Geology, etc.
- .12 Prospecting. Practical Methods.
Including Divining Rods.
- .13 Mineral Surveys.
- .14 Mine Surveying.
- .15 Magnetic Surveys.
- .16 Theory of Faults. See 551.87 and 553.19
- .17
- .18
- .19 Mining Prospectuses. See 553.
- 2 Practical Mining.**
- .21 Excavation.
- .22 Quarrying.
- .23 Drilling and Blasting.
- .24 Deep Boring.
- .25 Shaft Sinking.
- .26 Tunneling and Drifting.
- .27 Stopping.
- .28 Timbering. Masonry lining. See also 622.56.
- .3 Working of Mines. Exploitation.**
- .31 Open Workings.
- .32 Hydraulic Mining and Sluicing.
- .33 Coal Mining. See 553.2.
- .34 Metal Mining. See 553.3 and .4.
- .35 Working Thick Deposits.
- .36 Salt Mining. See 553.63.

DECIMAL CLASSIFICATION

- 622.4** **Ventilation and lighting of mines**
- .41 Theory Gases met with, etc.
- .42 Natural ventilation
- .43 Furnaces Steam jets, etc.
- .44 Fans See 621.62
- .45 Airways Stoppings Regulators
- .46 Mesurement of ventilation
- .47 Lighting Safety lamps, etc.
- .5** **Drainage**
- .51 Theory of infiltration of water
- .52 Natural drainage
- .53 Cornish pumps See 621.6
- .54 Steam pumps See 621.64
- .55 Hoisting of water
- .56 Dams and watertight linings See also 622.28, Timbering
- .57 Acid waters
- .6** **Extraction Hoisting and transportation**
- .61 Handling mineral in working place
- .62 Underground roads
- .63 Mine cars Trams, etc.
- .64 Gravity roads and planes
- .65 Tramming and animal haulage See 625.7
- .66 Mechanical haulage
- .67 Hoisting engines Drums Ropes Whims
- .68 Cages Skips Buckets
- .69 Surface transportation
 Including mineral roads, wire ropeways, transshipment, loading and unloading, etc.
- .7** **Mechanical preparation Ore dressing**
- .71 Theory Preliminary operations
- .72 Hand dressing
- .73 Crushing Stamping engine
- .74 Screening
- .75 Jigging Ore concentrators
- .76 Slime treatment
- .77 Magnetic separation
- .78 Coal washing
- .79 Dressing works
- .8** **Dangers and accidents** See also 613.6 Hygiene; 331.82 Laboring class.
- .81 Explosions of firedamp
- .82 Mine fires
- .83 Crushing and fall of ground
- .84 Flooding of mines
- .85 Accidents to miners
- .86 Rescue and relief
- .87
- .88
- .89

623 Military and naval engineering

For military and naval science, maneuvers, strategy and tactics see 355-359

SUMMARY

- 623.1 Fortifications: field and permanent
- .2 Siege operations: mines, etc.
- .3 Defensiv operations
- .4 Ordnance and projectils
- .5 Gunnery
- .6 Military roads and bridges
- .7 Military signals: telegraf, ballooning, etc.
- .8 Naval architecture
- .9 Armor Torpedoes, etc.

- .1 **Fortifications: field and permanent**
 - .11 Principles of fortification
 - .111 Profiles
 - .112 Plans
 - .113
 - .114 Defilading
 - .115
 - .116 Details: bastions, curtains, glacis, etc.
 - .117 Accessory defenses
 - Flanking defenses; outworks, palisades; moats, obstacles. etc.
 - .12 Construction of permanent fortifications
 - .122 Earthwork
 - .123 Masonry: concrete
 - .124 Armor
 - .13 Systems of forts
 - .131 Central fort
 - .132 Citadel
 - .133 Fortified positions
 - .134 Barrier forts
 - .15 Temporary fortifications Field works
 - .19 Special forts
 - Divided like 930-999; e.g. history of the fortress of Gibraltar 621.19468
- 2 **Siege operations Mines**
 - Class here only engineering operations. For conduct of sieges, see 355.44
 - .21 Siege works
 - Investment, establishing camps
 - .22 Circumvallation and countervallation
 - .23 Establishing parallels and advancing batteries
 - .24 Zigzags Saps
 - Trenching, blindage, gabionades
 - .25 Breaching batteries Breaches
 - For assaults see 355.44
 - .26 Land mines and torpedoes
 - See also 623.9 Submarine torpedoes
 - .27 Other means of demolition
 - Firing and exploding devices

DECIMAL CLASSIFICATION

- 623.3** **Defensiv operations**
 - For maneuvers see 355.44
 - .34 **Defense of trenches**
 - .35 " **breaches**
 - .36 **Countermines**
 - .4 **Firearms, ordnance and projectiles** **Arsenals**
 - Including ammunition in general and fireworks. For manufacture of explosives see 662. For general history of war customs and weapons, and of ancient engines of war see 399. Class here weapons for gunpowder and similar explosives
 - .41 **Artillery material**
 - Class according to use
 - .412 **Field artillery material**
 - .413 **Mountain " "**
 - .414 **Landing " "**
 - .415 **Siege " "**
 - .416 **Fortress " "**
 - Including large guns (fortress, coast and naval) considered together
 - .417 **Coast artillery material**
 - .418 **Naval " "**
 - .42 **Guns**
 - .421 **Guns according to form and construction**
 - See also 623.5 Gunnery; 623.47 Gunmaking
 - 1 **Early forms: bombards, culverins, etc.**
 - For blunderbuses and other early forms of small arms see 623.441
 - 2 **Guns proper or long cannon**
 - 3 **Short cannon or howitzers (shell guns)**
 - 4 **Mortars**
 - 5 **Guns made in a single piece**
 - 6 **Bilt up guns**
 - 61 **Hoopt guns**
 - 62 **Jacketed guns**
 - 63 **Hoopt and jacketed guns**
 - 64 **Wirewound guns**
 - .422 **Guns according to mode of loading and operating**
 - 1 **Muzzleloading guns**
 - 2 **Breechloading "**
 - 3 **Rapidfire guns**
 - 4 **Machine "**
 - 42 **Multiple tube guns**
 - Gatling guns, Hotchkiss revolving cannon
 - 43 **Single tube guns**
 - 5 **Automatic and semiautomatic guns**
 - Hotchkiss, Maxim, Colt
 - .423 **Form and interior arrangement of guns**
 - 1 **General plan**
 - 2 **Outside form**
 - 3 **Hooping**
 - 4 **Jacketing**
 - 5 **Bore**
 - 6 **Rifing**
 - 7 **Chamber**

ENGINEERING

- 623.424 Breech and firing mechanisms
 - 1 Breech closing apparatus
 - 11 Block
 - 12 Wedge
 - 13 Screw
 - 2 Firing apparatus Vent Vent bushing Firing pin
 - 3 Safety apparatus: gas checks, etc.
- .425 Sighting attachments
 - For detach apparatus, see 623.462
 - 1 Backsight, sliding notch, eyehole, etc.
 - 2 Sight Foresight
- .43 Mounts and carriages
 - Including their parts and accessories
- .431 Field and mountain mounts and carriages
 - 1 Field mounts
 - 2 Mountain mounts
 - 3 Machine gun mounts
 - 4 Caissons and limbers
 - 5 Ammunition chests
 - 6 Battery carriages (i. e. tenders)
- .432 Siege mounts and carriages
 - 1 Siege gun mounts
 - 2 Howitzer mounts
 - 3 Mortar mounts
 - 4 Siege carriages (i. e. tenders)
- .433 Fortress, coast and naval mounts
 - For accessories see 623.435
 - 1 Casemate mounts
 - Pedestal and pivot mounts
 - 2 Barbet mounts
 - 3 Disappearing mounts
 - 4 Turret mounts
- .434 Naval mounts
 - For discussion limited to naval use
- .435 Mechanism of mounts
 - Platforms, circular pintle block and pivots
 - 1 Checks and transoms
 - 2 Chassis and crossed slides
 - 3 Mechanism for maneuvering and going into battery: wheels trucks, rollers
 - 4 Sighting apparatus
 - 5 Recoilchecking mechanism Breaching Vent plug
 - 6 Recoil mechanism Brakes
 - 61 Automatic friction recoil checks
 - 62 Screw brakes
 - 63 Hydraulic brakes
 - 64 Pneumatic "
 - 65 Trail spades
 - 7 Reactionary mechanism
 - Devices for restoring guns to firing position after recoil
 - 71 Spring recuperators
 - 72 Pneumatic recuperators

DECIMAL CLASSIFICATION

- 623.436 Maneuvering appliances
 - 1 Levers, handspikes, roller handspikes
 - 2 Breeching tackle
 - 3 Shot barrows, shell barrows
 - 4 Projectile hoists
 - See also 621.86 Hoisting and conveying machinery
- .44 Small arms
 - Mechanism and military efficiency
 - For small arms practis see 355.5
 - manufacture of small arms see 683
 - wepons prior to firearms see 399
- .441 Primitiv forms of firearms
 - Blunderbus, harquebus, etc
- .442 Rifles, muskets, carbines, musketoons
 - Including also bayonet as part of the complete wepon
 - Single shot, muzzleloading
 - 2 " " breechloading
 - 3 Repeating rifles
 - 31 With magazine
 - 32 " loader
 - 4 Automatic guns
- .443 Pistols and revolvers
 - 1 Single shot pistols
 - 3 Automatic pistols
 - 4 Revolvers
- .444 Side arms Cutting arms
 - For halberds, axes, dirks, poniards, and other antiquated forms see 399
 - 2 Swords
 - 3 Bayonets: saber bayonets, sword bayonets
 - 4 Lances
- .45 Ammunition and fireworks
 - Kinds and relativ efficiency for military purposes. For details of manu
facture of powder and explosivs see 662
- .451 Artillery projectils
 - Including exploder as part of projectil
 - 1 Spheric projectils
 - 11 Solid shot
 - 12 Bombs
 - 13 Shells: early shrapnel
 - 14 Grenades
 - 2 Elongated projectils
 - 22 Case shot: canister and grape
 - 25 Elongated bullets
 - 3 Shells
 - 4 Modern shrapnel
 - 5 Segment and ring shell
 - 6 Incendiary shells
 - For illuminating shells see 623.45446
 - 7 Shells with high explosiv Torpedo shells
 - 8 Armorpiercing shells and other projectils

ENGINEERING

- 623.452 Powders Explosivs
 See also 662.2 Powder manufacture
- 1 Gunpowder
- 2 Other powders
- 9 Other explosivs
- .453 Fixt ammunition
- .454 Exploding devices and fireworks
 See also 662 Pyrotechnics, explosivs, matches, etc
- 1 Matches and fuzes
- 11 Slow matches and fuzes
- 12 Quick matches and fuzes
- 2 Exploders
- 21 Percussion caps
- 22 Primers
- 23 Projectil fuzes
- 24 " detonators
- 29 Other exploders, etc.
- 3 Fireworks, bombs, etc.
 For torpedoes see 623.9
- 31 Incendiary devices
- 32 War rockets
- 33
- 34 Petards
- 35 Camouflets
- 4 Illuminating fireworks
- 41 Links
- 42 Torches
- 43
- 44 Signal rockets
- 45
- 46 Illuminating projectils Star shells
- .455 Small arms ammunition
 For powder see 623.452
- 1 Spheric bullets
- 2 Elongated bullets Minie ball
- 3 Cartridges Fixt ammunition
- 32 Jacketed bullets
- 35 Prohibited bullets: dum dum or expanding; explosiv
 Those prohibited by Hague conference
- .46 Artillery accessories
- .461 Battery tools
- .462 Instruments
- 1 Sighting apparatus: rear sight, quadrants. elevating arcs,
 range scales
- 5 Range finders
- .463 Implements: rammers, swabs, levers
- .47 Arsenals
 Subdivide like 621.7

DECIMAL CLASSIFICATION

- 623.48 Preservation and care of munitions
 - Reception, tests, accidents
 - .481 Preservation
 - 1 Magazines
 - 2 Guns
 - 3 Carriages
 - 4 Small arms
 - .482 Reception Tests Buying
 - 1 Inspection
 - 2 Acceptance tests
 - 3 Function of commissions Experimentation
 - .483 Accidents Explosions; preventiv mesures
 - 1 Accidents to persons
 - 2 " material
 - 21 Accidents to arms
 - 22 " in transit
 - Damage to boats, cars, etc.
 - 23 Accidents to structures
- .5 Gunnery
 - Theoretic and experimental; efficiency of artillery system as a whole. See also 'Projectils' in Relativ index following Tables
 - .51 Theory and strength of guns
 - .52
 - .53 Interior ballistics
 - Effects of powders; experiments
 - .54 Exterior ballistics
 - .55 Sighting and firing
 - .551 Field and mountain guns
 - .552 Siege guns
 - .553 Fortress, coast and naval guns
 - .554 Naval target practis
 - .56 Effect of projectils
 - .561 On living targets: impact, gases
 - .562 " inanimate targets
 - 1 Earthworks
 - 2 Masonry Concrete
 - 3 Armor
 - .57 Reaction of mounts
 - .571 Rigid rolling mounts
 - .572 " sliding "
 - .573 Theory of braking
 - .574 Mechanically controid recoil
 - .575 Nonrecoil mounts
 - .58 Traction of carriages

ENGINEERING

623.6 Military roads, bridges and bildings

From the special point of view of military servia. For construction in general see 690.1 and 721; for bridges, roads and railways see 624 and 625; for seacoast walls, see 627 Hydraulic engineering

.61 Military bildings

Duplicating 725.18 for military engineers. Libraries should use 725.18 and leave 623.61-.614 vacant; for construction of fortifications see 623.1

.611

.612 Barracks

.613 Military establishments

Groups of bildings forming a unit; e.g. military schools, army posts

.614 Magazines

.62 Military roads and thorofares

See also 625.7 Construction of roads

.63 Military railways

See also 625 Railway construction

.631

.632 Destruction of tracks

.633

.634

.65 Military bridges

For permanent bridges see 624

.651

.652 Pontoon bridges

.653 Trestle bridges

.654 Other temporary bridges

.66 Bridge material

.7 Military signals Aeronautics, etc.

Special military applications of science

.71 Military topografy

Special processes and instruments. See also 526 Topografy in general

.72 Fotografy

Reproductiv processes applied to military art. See also 770 Fotografy

.73 Signaling Military telegrafy

.731 Visual signals: heliografs, searchlights, etc.

.732 Military telegrafy

Both wire and wireless. See also 621.382 and 654 Telegrafy

.733 Military telefony

Both wire and wireless. See also 621.385 and 654.6 Telefony

.74 Military aeronautics

For principles see 533.6 Aeronautics; for construction of airships see 629.13

Class here only military utility

.741 Machines lighter than air

.742 Free balloons

.743 Dirigible balloons

.744 Captiv balloons

.745

.746 Machines hevier than air: aeroplanes

.749 Other

.75 Military sanitation

Camp sites: soil, water, drainage, etc. For personal hygiene see 613.6

DECIMAL CLASSIFICATION

- 623.8 Naval architecture Shipbuilding**
 Including warship accessories. Class here comprehensive works on shipbuilding. Subdivide with 001-009 and 02-09 like 620. For ship design and theory see 623.81 Design; for principles of flotation see 532.3 Floating bodies
- .81 **General Design**
 Class here also separate discussion of such general questions as flotation, displacement, stability, strength, resistance, propulsion and design; i. e. speed and power, coal endurance and steaming radius, passenger or cargo capacity, etc.
 - .82 **Types of ships and boats**
 - .821 **Primitive and early forms**
 - 2 **Rafts, catamarans, dugouts; galleys**
 - .822 **Modern sailing vessels**
 - 5 **Caravels, sailing yachts, etc.**
 See also 797 Yachting; 623.824 Power yachts
 - .823 **Engin driven vessels**
 Steam, internal combustion, electric, etc.
 - 2 **Tugs and lighters**
 - 4 **Ferry boats: passenger, freight and train**
 - .824 **Passenger and cargo vessels**
 River, lake or ocean liners; power yachts, etc. For tugs, ferryboats small motor boats, etc. see 623.823
 - .825 **Warships**
 Fighting vessels: battleships, cruisers, gunboats, monitors, torpedo boats, submarines. For sailing men-of-war see 623.822
 - .826 **Other government vessels**
 Transports, hospital ships, store and fuel ships (supply, food, refrigeration, ammunition ships; colliers, oilers, mineplanters, etc.) repair ships, lightships and lighthouse tenders, police boats, revenue cutters, fish commission boats, fireboats, etc.
 - .828 **Other power vessels**
 Ships for cable laying, icebreakers, trawlers, etc. For dredges see 627.7
 - .829 **Other boats**
 Flatboats, scows, lighters, canal boats, barges, rowboats and canoes, lifeboats, surf boats
 - .83 **Appliances peculiar to shipbuilding**
 Model tanks and experiments, including also Froude's tests on full size ships; launching ways and launching; dry or graving docks; moldloft and scribeboard
 - .84 **Hull and its accessories**
 Structural: watertight compartments; systems of construction (wood, composite, iron and steel), structural details (framing, bulkheads, etc.)
 Nonstructural: joinery, nonstructural decks
 - .85 **Hull accessories: masts and spars; rudder and steering gear; drainage, etc.**
 Lighting, ventilating, heating, refrigerating; electric plant and lighting for ship installation only; see also 621.3 Electric engineering
 Ship fittings: doors, hatches, etc.
 - .86 **Equipment and outfit**
 Superadded, not built in, but necessary for effective use of ship
 Sails and rigging; anchors, chains, cables, hawsers; compasses, sounding machines, speed logs; boats, rafts, life preservers, buoys
 Furniture, saloon and cabin furnishings; table and galley (kitchen) outfit.
 See also domestic economy, 645
 - .87 **Propelling machinery**
 Vibration and balancing. For theory of propulsion see 623.81
 See also 621.12 Marine engines; 621.165 Steam turbines; 621.18 Boilers
 - .9 **Armor and armament**
 Distribution, armoring; proper height, etc; battery
 For manufacture of armor plate see metallurgy, 669.1 Iron and steel
 - .95 **Torpedoes** Launching tubes and other accessories

624 Bridges and roofs Viaducts

Subdivide if wish like 620.1-.9 and 620.0

- .1 General**
- .12 Purpose**
Highway, foot bridges, etc. regardless of structural type
- .13**
- .14 Location Approaches**
- .15 Foundations**
General works Foundations of bildings are better clast 721.1
- .151 Foundation bed Nature of soil**
- .152 Excavation, timbering, shoring**
624.153-.157 may be subdivided like 721.13-.17
- .153 Material for bilding foundations**
For material for superstructure see 624.01
- .154 Pile foundations: general Material**
- .155 " " methods of sinking**
- .156 Platform foundations**
- .157 Subaqueous foundations**
Processes: cofferdam, caisson, freezing
- .16 Piers and abutments**
Wood, masonry, metal. Subdivided like 620.1
- .17 Stresses and strains**
General; if limited to a special type, class with that type
- .171 General Computation of stresses**
- .172 Loads**
Ded, live or moving loads
- .173 Highway**
- .174 Railway**
- .175 Wind pressure**
- .176 Working stresses**
- .2 Girders and girder bridges**
Including floor systems; see .25 below
- .21 Girders**
Continuous; discontinuous or independent
- .22 Solid beams**
- .222 Wood**
- .227 Metal**
- .23 Plate girders Lattis girders**
- .24 Trestles**
- .25 Floor systems**
- .27 Girder bridges**
- .3 Trusses and trussed bridges**
Constructed of systems of braced girders
- .31**
- .32 Simple truss**
- .33 Continuous truss**
- .35 Cantilever truss Balance bridge**
- .4 Tubular bridges Box-girder bridge**

DECIMAL CLASSIFICATION

- 624.5 Suspension bridges**
 - .52 Flexible Rope bridge
 - .53 Rigid
 - .55 Cables
 - .56 Towers or piers
 - .57 Anchorage
 - .6 Archt bridges**
 - .62 Wood
 - .63 Masonry
 - Stone, brick, concrete, reinforced concrete
 - .67 Metal: iron and steel
 - .68 Hinged arch
 - .7 Compound structures**
 - Structurally compound; e. g. plate girder and suspension, trussed arch
 - .8 Movable bridges Drawbridges**
 - .82 Bascule: counterpoise, folding
 - .83 Swing: pivot, swivel, turning
 - .84 Lifting
 - Whole bridge lifted vertically
 - .85 Rolling
 - Floating; see also 624.87
 - .86 Aerial and other traveling bridges
 - .87 Pontoon bridges: floating, boat or raft
 - .9 Roofs**
 - For other relations see Roofs in Relativ index
- 625 Railroad and road engineering**
 - May be divided by 0 and 00 like 620. For railway operation see 656
 - .1 Way and works**
 - .11 Route
 - Reconnaissance, preliminary and locating surveys; center line; grades; curves; switchbacks
 - .12 Permanent way Roadbed
 - Earthwork: surveys, computation, classification, cuts and fills. Drainage
 - .13 Structures: tunnels, culverts, snowsheds
 - Class here general works on tunnels; see also mining 622.26
 - For bridges and trestles see 624; for transportation bildings see 725.3
 - .14 Track: ballast, ties and tieplates, strains
 - Including general works covering also rails and their accessories
 - .140 Monorail tracks
 - .15 Rails and accessories
 - Rail braces, rail joints, chairs, track bolts, nut locks, spikes
 - .16 Track accessories
 - Turnouts, switches, sidings, bumping posts; crossings; signals; turntables; ashpits, track tanks; cattle gards
 - .17 Road maintenance and repair Materials
 - .18 Road equipment
 - Fences, gates, platforms, track scales, yards, etc. Stations, depots, shops, etc. considered as road accessories
 - For stations, depots, roundhouses, etc. see 725.3
 - For shops see 621.7
 - .19 Other topics

ENGINEERING

- 625.2 **Trains and accessories**
 - Interrelations of road and rolling stock; strain and wear
 - For car bilding see 699 For time tables, traffic, etc. see 656
- .21 **Running gear**
 - Trucks, bogies and Bissell bogies; wheels, axles, tires, balancing; axle boxes and gards; lubrication
 - Suspension, bearing springs
- .22 **Cars** See also 699 car bilding
 - Transverse section of car and track gage
 - Effect of length of car in rounding curves
- .23 **Passenger cars**
- .24 **Freight and combination cars**
- .25 **Brakes** **Buffers and couplings**
- .26 **Power requirements**
 - Length and weight of trains. Speed
 - See also 621.13 Steam engins; 621.3342 Electric engins; 621.43 Gas engins
- .27
- .28 **Monorail rolling stock**
- .3 **Inclined and mountain railways**
- .32 **Funicular railways**
- .33 **Rack railways**
- .4 **Elevated and underground roads, subways**
- .5 **Cable roads**
- .6 **Street railways, tramways**
 - See also 621.33 Electric traction; 625.4 Elevated and underground railways; 625.5 Cable roads; 699 Carbilding
- .7 **Roads, highways, streets**
 - See also local government, 352.7 Streets, highways; for pavements see 625.8
- .71 **Road systems**
- .711 **Rural**
- .712 **Urban**
- .72 **Location**
 - Preliminary and locating surveys Grades Curvs
- .73 **Roadbed, foundation**
 - Earthwork Subsurface drainage
- .74 **Dirt roads** **Crowning** **Drainage**
- .75 **Surfacing** **Oil and other binders**
- .76 **Maintenance and repair**
- .77 **Trees** **Parkings**
- .78 **Subsurface condits, pipes, etc.**
 - Sewers; water, steam and gas pipes as affecting roads
- .79 **Other topics**

DECIMAL CLASSIFICATION

- 625.8 Pavement**
 - .81 Flagstone
 - .82 Stone blocks and brick
 - Including cobblestone. Requirements of paving stone
 - For vitrified brick see 625.87
 - .83 Wood pavements Corduroy, plank, blocks
 - .84 Concrete pavements
 - .85 Asphalt "
 - .86 Stone roads
 - Macadam, telford and other broken stone processes
 - .87 Metal, vitrified brick, reinforced blocks
 - For other brick pavements see 625.82
 - .88 Sidewalks May be divided like 625.81-.87
 - .888 Curbs
 - .89 Other topics
 - .9 Ship railways
- 626 Canal engineering**
 - .1 Route
 - .2 Water supply
 - .3 Size and shape
 - .4 Locks
 - .5 Lifts and inclined planes
 - .6 Canal boats: size, shape, etc. See 623.829 Shipbuilding
 - .7 Towing; power, etc.
 - .8 Irrigation canals and other irrigation works
 - .9 Ship canals
- 627 River, harbor, and general hydraulic engineering** See also 624.157 and 721.17 Subaqueous foundations
 - .1 Rivers: force of water, discharge, bars
 - River improvement
 - .2 Harbors Breakwaters
 - .3 Docks Piers Quays Shipping facilities
 - .4 Dikes and levees, embankments
 - .5 Other protection and reclamation of land from tides and waves, drainage For agricultural drainage see 631.6
 - .6 Jetties
 - .7 Dredging Dredging machinery
 - .8 Dams
 - .9 Lighthouses Buoys
- 628 Sanitary engineering Waterworks**
 - .01 Theories, utility .02 Compendis .03 Dictionaries .04 Essays .05 Periodicals .06 Societies .07 Study and teaching .08 Polygraphy .09 History and description of sanitation and general sanitary works, divided geographically like 930-999
 - .1 Water supply of towns For isolated supply see 628.7
 - .11 Sources of water supply
 - Lakes, rivers, springs, wells, and pumping
 - .12 Pumping vs gravitation systems
 - Pump well, standpipe, high servis, Holley system

ENGINEERING

- 628.13 Storage and servis reservoirs
 - .14 Conditis, aqueducts, tunnels See 625
 - .15 Mains and servis pipes Freezing, iron, led
 - .16 Impurities and their removal: filter basins, etc.
 - .17 Public (sprinkl ng, fire, flushing), manufacturing, and domestic use and waste; meters
- .2 **Sewerage works**
 - .21 Sewerage systems
 - .211 Combined system
 - .212 Separate system
 - .213 Liernur system
 - .214 Shone system
 - .215 Berlier system
 - .216 Other systems
 - .217 Outfall
 - .218 Depth and alinement
 - .219 Grade and velocity
 - .22 Shape and size of sewers
 - .221 Stormwater flow
 - .222 Ordinary flow
 - .223 Circular section
 - .224 Ordinary eg shape
 - .225 Other eg shapes
 - .226 Other forms
 - .228 Formulas for size
 - .23 Ventilation of sewers
 - .231 Openings in streets
 - .232 Lamp posts
 - .233 Flues in houses
 - .234 Pipes on houses
 - .235 House drains
 - .236 Chimneys and furnaces
 - .237 Charcoal and chemicals to deodorize sewer gas
 - .238 Special mechanism
 - .239 Special construction
 - .24 Design and construction of sewers
 - .25 Sewer appurtenances
 - .251 Junctions
 - .252 House connections
 - .253 Manholes and lampholes
 - .254 Flushing shafts and fixtures
 - .255 Catch basins and inlets
 - .256 Traps and ventilators
 - .257 Valvs and penstocks
 - .258 Overflows and regulators
 - .259 Miscellaneous

DECIMAL CLASSIFICATION

- 628.26 River crossings
- .27 Intercepting and outfall sewers
- .28 Reservoirs and tank sewers
- .29 Pumping stations
- .3 Sewage and its disposal**
- .31 Physical properties of sewage
- .32 Deodorization and disinfection of solids and liquids
See also 628.237
- .33 Subsidence
- .34 Precipitation
- .341 Precipitation tanks
- .342 Mixing machinery
- .343 Filter presses
- .344 Precipitation by salts of alumina
- .345 By lime
- .346 By salts of iron
- .347 By other methods
- .348 Disposal of sludge
- .349 Miscellaneous
- .35 Filtration
- .36 Irrigation
- .361 Broad irrigation
- .362 Ridge and furrow irrigation
- .363 Flatbed irrigation
- .364 Subsurface irrigation
- .365 Intermittent downward filtration
- .366 Carriers and appurtenances
- .367 Drains and drainage of sewage farms
- .368 Filtration areas
- .369 Miscellaneous
- .37 Sewage farming Required modifications of ordinary
methods
- .38 Sewage manures See also agriculture, 631.8425
- .39 Discharge into sea, etc.
- .4 Sanitation of towns**
- .41 Middens and privies
- .42 Pail systems
- .43 Earth closet systems
- .44 Domestic ashes, garbage and refuse
- .45 Public urinals and latrines
- .46 Street cleaning and sprinkling
- .47 Pavements and subways
- .48 Trees in streets and squares
- .49 Manufacture of fertilizers from town wastes

ENGINEERING

- 628.5 Industrial sanitation**
 - .51 Factories and trades
 - .511 Prevention of dust and fumes
 - .512 Protection of throat and eyes
 - .513 Protection against infection
 - .519 Special trades
 - .52 Effluvium nuisances
 - .521 Situation of works
 - .522 Use of high chimneys
 - .523 Condensation in water
 - .524 Combustion in furnaces
 - .529 Special trades
 - .53 Smoke nuisance
 - .538 From steam generators
 - .539 From special industries
 - .54 Disposal of solid and liquid wastes
 - .541 Discharge into streams
 - .542 Absorbing wells and burial
 - .543 Clarification by subsidence
 - .544 Chemical treatment
 - .545 Filtration
 - .546 Purification by the soil
 - .549 Special methods and special trades
 - .6 House drainage**
 - .7 Rural water supply: villages and country houses**
 - .8 Ventilation and heating**
 - This head is chiefly for ventilation. Most matter on heating goes in 697
 - See also Heating, Ventilation, in Relativ index following tables
 - .9 Lighting**
 - For other relations and applications see Lighting in Relativ index
- 629 Other branches of engineering**
 - .1 Automotiv industries**
 - Air, land, water, treated together; for water craft alone see 623.8
 - .13 Aeronautics Aerial navigation**
 - Usual form division .09 to include general accounts of voyages, but class special voyage with type of machine used
 - .141 Aerostatics
 - .142 Aerodynamics, bird flight, soaring
 - .143 Meteorologic conditions; wind currents, etc.
 - .144 Aerodromes, flying grounds, parks
 - Experiment stations, landing places, sheds, hangars
 - .145 Navigation
 - Atmospheric roads, airways; aerial maps, topography; airsickness; disasters
 - .148 Laws, international and local

DECIMAL CLASSIFICATION

- 629.15 Aircraft lighter than air Aerostation
- .151 Nondirigible
 Hot air balloons, montgolfières; pilot balloons; balloon sonde; kite and
 captiv balloons
- .154 Dirigible Airships
- .155 Rigid
- .156 Semirigid
- .157 Nonrigid
- .16 Construction
- .161 Gas envelop, material
 Balloon fabrics, netting, gas used, apparatus for inflation
- .162 Car or basket, cabin, seats
 Method of attaching to gas envelop
- .163 Motors
 See 621.4387
- .164 Propellers
- .165 Steering apparatus
- .166 Balancing: gyroscope
- .167 Landing apparatus: anchors, parachutes
- .17 Aircraft hevier than air Aviation
- .171 Kites
- .172 Gliders
- .173 Monoplanes
- .174 Biplanes
- .175 More than 2 planes
- .176 Helicopters
- .177 Ornithopters or orthopters
- .179 Special adaptations: hydroaeroplanes. aviets
- .18 Construction
- .181 Structure
 Planes, wings, ailerons, etc.
- .182 Seats, cabin, etc.
- .183 Motors
 See 621.4387
- .184 Propellers
- .185 Steering apparatus
- .186 Stability, balancing apparatus
- .187 Starting and landing apparatus
- .19 Applications of aeronautics
- .2 Motor vehicles, automobiles
 Mechanically propeld and motor vehicles for highways: bicycles, motor cycles,
 etc. For highway vehicles for separate tractors (animal or mechanical) see 684

USEFUL ARTS

630 Agriculture

SUMMARY

- 631 Farmstead Soil
- 632 Hindrances
- 633 Field crops
- 634 Fruits Vinyards Forestry
- 635 Garden crops
- 636 Domestic animals
- 637 Dairy and dairy products
- 638 Bees, silkworms, etc.
- 639 Hunting, trapping, fish culture

- .1 **Rural life**
 - Rural exodus. Improvement of country life conditions
- ..2 **Compendis**
- .23 **Agricultural physics**
- .24 " chemistry
- .28 " botany
- .29 " zoology
 - Only for general treatises. Those relating to a special subject ar clast with the subject: e. g. chemistry of milk 637.127
- .3 **Dictionaries, cyclopedias**
- .4 **Essays**
- .5 **Periodicals**
- .6 **Societies, clubs, conferences**
- .61 **Official institutions; government departments**
- .62 **Voluntary associations**
 - Not under government control
- .621 **International (International institute of agriculture)**
- .624-9 **Associations divided by country**
 - Subdivided like 940-999: e. g. 630.6244 French agricultural societies, 630.6273 Patrons of Husbandry, including state and local granges; Farmers alliance, etc.
 - Societies of limited scope ar clast with their subjects; e. g. horse breeders associations 636.106
- .63 **Congresses, conferences, temporary organizations**
- .7 **Study and teaching**
 - For agriculture as a school subject see 375.63; for school gardens see 372.36
- .71 **Instruction, schools**
- .711 **Colleges** Alfabetic; but may be subdivided like 940-999 if preferd
- .712 **Schools** Arranged like .711 colleges
- .713 **Short courses**
 - 2 Summer
 - 5 Winter
- .714 **Correspondence courses**
- .715 **Institutes** Farmers institutes
- .716 **Courses in nonagricultural institutions**
- .717 **Extension work**
 - County agent, boys and girls clubs
- .719 **Other instruction**
- .72 **Research work** Experiment stations
- .74 **Museums, exhibits**
- .77 **Special pedagogic methods**
- .775 **Normal training classes**
- .79 **Competitions, prizes, etc.**
- .9 **History, divided like 930-999**

DECIMAL CLASSIFICATION

631 The farm, farmsted Soil

SUMMARY

- 631.1 Farm economics
 - .2 " buildings
 - .3 " machinery and tools
 - .4 Land, soil, soil chemistry
 - .5 Tillage and farm operations
 - .6 Drainage and reclamation
 - .7 Irrigation and conservation of moisture
 - .8 Fertilizers
 - .9 Climate, roads, etc.
- .09 Geographic distribution of cultivation
 - .091 Zones and physical regions
 - 1 Arctic regions
 - 2 Temperate zone
 - 3 Tropics
 - 4 Mountains
- 631.1 Farm economics
 - Farm and estate management
 - .11 Selecting and acquiring a farm
 - Land settlement guides
 - Location: nearness to market; means of communication, by water, by land (railways, highways), climate and rainfall
 - .112 Purchase
 - Cost, valuation, taxes
 - .113 Rent
 - .114 Share systems (Métayage)
 - See also 631.1153
 - .115 Systems of working a farm
 - 1 Owner his own farmer
 - 2 By a manager
 - 3 Share system
 - From owner's point of view
 - See also 631.114 from worker's point of view
 - 4 Renting
 - From owner's point of view
 - See also 631.113 from renter's point of view
 - .116 Scale of farm
 - 1 Large farm
 - 2
 - 3 Small farm (One-man farm)
 - .12 Laying out farm
 - Locating buildings, fields, farmsteds, roads and lanes
 - .13
 - .14 Types of farms
 - .141 Crop farm
 - .142 Vegetable farm
 - .143 Fruit "
 - .144 Woodlands
 - See 634.9 Forestry
 - .145 Stock farm
 - See 636 Domestic animals; 637.113 Dairy farms
 - .146 Fish culture in ponds
 - See 639 Hunting, trapping, fishing

AGRICULTURE

- 631.16 Finances and accounts Bookkeeping records
- .17 Expenses
- .171 Buying supplies Purchases
- .173 Wages
- .175 Insurance: bildings, stock, crop
 See also Insurance business 368.5
- .177 Packing, shipment
 For methods see 631.564
- .18 Returns Selling products
 Marketing
- .2 **Farm bildings**
 For architecture, see 728.67 Farm houses; 728.9 Outbildings
- .21 Houses Dwellings
- .22 Barns Poultry houses Stables
- .23 Granaries Silos
- .24 Carriage houses
- .25 Machine sheds
- .26 Other bildings
- .27 Fences, walls, hedges
- .28 Roads, bridges, etc.
- .3 **Farm machinery Tools, appliances, etc.**
 Care and repair of farm machinery
- .31 Clearing and soil working: general tools
- .311 Digging tools, machines, etc.
 - 1 Spade: turf, ditching, post, poliaht-drain, longhanded garden spades
 - Shovel: prongd shovel For steam shovel see 621.865
 - Spud
 - 2 Small too's
 Trowel, for mason's trowel see 693. Dibble, dibber or dibbler. See also seeders
 - 3 Posthole digger
 Posthole auger or borer. Spudding bit
 - 4 Forks; for digging, etc. Dung-fork
 For hay forks, pitchforks, see 631.3535
 - 5 Digging machines
 Spaders, rotary spaders, horse shovel, road scraper
 - 6 Crow or crowbar
 Pick. See also mining picks 622.
 Pickax, mattock, grubbing hoe, grubbing ax
 - 7 Stump extractor or puller Stone gatherer Bush sithes
- .312 Plows
 - 1 Common plow; walking plow; hand plow
 - 2 Riding plow; sulky plow
 Double plow, double-furrow plow, 2-furrow plow
 - Balanst plow Gang plow, multiple-furrow plow
 - 3 Power plow
 Steam plow, traction engin, stationary engin; oil or gas engin; electric

DECIMAL CLASSIFICATION

- 631.3124 **Reversible plow, turning moldboard plow**
 Sidehill or hillside plow, turn-wrest plow, one-way plow, drill plow, also
 sometimes called double plow and swing plow
- 5 **Breaking plow**
 Paring plow, sod plow, prairie plow, skim plow
- 6 **Pulverizing plow, stubble plow, digging plow**
 Subsoil plow, mole plow
- Double mold board plow, doublebreasted plow**
 Middle "buster" or burster, middle breaker
- 7 **Other special plows**
 Vinyard plow Stump jumper, or stumpjump plow
 Seeding plow Skim colter plow
 Scooter Bul-tung and calf-tung plow
- 8 **Disk plow**
- .313 **Harrows**
- 1 **Smoothing harrows**
 Bush harrows; plank-scraper; fixt and adjustable tooth, frame harrow
- 2 **Chain harrow**
- 3 **Spring-tooth harrow**
- 4 **Curvd knife-tooth harrow, pulverizer**
- 5 **Revolving harrow**
- 6 **Disk harrow: ful disk, cutaway**
- 7 **Spading harrow, scuffle harrow**
- 8 **Special uses**
 Orchard diak harrow
- .314 **Rollers, etc.**
- 1 **Rollers**
 Wood, stone, metal. Hand, horse, riding, power
- 2 **Disk rollers**
- 3 **Clod crushers, clod breaker**
- 4 **Subsurface packer**
- 6 **Planker, plank drag**
- .315 **Hand gardening tools**
- 1 **Hoe**
 Draw, field, bayonet, garden
- 2 **Thrust, Dutch, push, scuffle, D hoe**
- 3 **Scarifier or scraper**
- 4 **Weeder**
 Hand weeder, finger weeder, weed-hoe, weeding forceps, weeding fork,
 weeding iron, weeding pincers, weeding tongs
- 5 **Weed cutters**
 Weed hook, weeding chisel, weeding shears
- 6 **Garden rakes: wood, iron**
- .316 **Cultivators**
- 1 **Wheel hoe, hand cultivator**
- 2 **Horse cultivators**
 Walking cultivators, horse hoe, shovel plow
 Scarifier, scooter, scuffer, hasp, sweep, grubber
- 3 **Riding or sulky cultivators**
 Balance frame
- 4 **Surface or gofer cultivator**
 Heel scrape, scrape
- 5 **Disk cultivator**
- 6 **Stalk cutter**

AGRICULTURE

- 631.33 Seeding and sowing machinery
 - .331 Seed sowers, seeding machines
 - 1 • Broadcast sowers, seeders
 - Hand machines
 - 2 Walking
 - 3 Riding
 - 4 Land and row markers
 - 5 Furrow sowers Drills
 - 6 Walking
 - 7 Riding
 - 8 Special sowers
 - .332 Planters
 - 1 Hand, foot
 - 2 Walking
 - 3 Riding
 - 4 Check rowers
 - 8 Special planters
 - .333 Fertilizer distributors
 - 1 Hand machines
 - 2 Walking
 - 3 Riding
 - 4 Liquid fertilizer
 - 5 Pulverized "
 - 6 Farmyard manure, manure spreaders
 - .334 Mixt spreaders
 - Both fertilizer and seed
 - .335 Propagation apparatus
 - Cutting benches, layering pots, etc.
 - .336 Transplanters
 - 1 Ballers
 - 6 Tree conveyers
 - .34 Equipment for care of plants, trees, etc.
 - .341 Grafting, etc. implements and material
 - Budding knife, grafting knife, grafting wax
 - .342 Pruning
 - 1 Shears or pruner Hedge trimmer
 - 2 Knife or hook
 - 3 Chisel
 - 4 Bil hook
 - 5 Ax or hatchet
 - 6 Saw
 - 7 Scraper
 - .344 Protection and shelter
 - See also 632.1 and 632.9
 - 1 Bel glasses
 - 2 Cold frames
 - 3 Hot beds
 - 4 Greenhouses
 - 5 Forcing houses

DECIMAL CLASSIFICATION

- 631.345 Supports
 - 1 Vertical cords and wires
 - 2 Poles, stakes, stays, props
 - 3 Trellises, espaliers
 - Horizontal wires or cords
 - 4 Fruit walls
- .346 Receptacles: pots, boxes, etc.
- .35 Harvesting
 - .351 Hand tools, primitiv tools
 - 1 Sicke, reaping hook, grass knife, grass hook
 - 2 Sithe
 - 3 Cradle, cradle sithe
 - .352 Mowers
 - 7 Lawn mowers
 - .353 Other haying implements
 - 1 Hay spreaders, tedders
 - 2 Hay rakes, gatherers, binders, windrowers
 - 3 Hay loaders
 - 4 Hay stackers
 - 5 Hay forks and carriers
 - .354 Reapers
 - 1 Self binders
 - 2 Harvester Combined harvester and thresher
 - 3 Heders Clover heders
 - .355 Corn harvesters
 - 1 Corn shockers
 - 2 Stubble cutters
 - 3 Corn pickers
 - 4 Strippers
 - 5 Toppers
 - .358 Special crops
 - 1 Fruits, nuts
 - 3 Legumes, peas, beans, etc.
 - 4 Root crops, etc.
 - 5 Fiber crops: cotton, flax, hemp
 - 6 Sugar cane
 - 7 Other crops
 - 8 Tree products
 - Maple (sap), pine (turpentine), gums, resins, gutta percha, etc.

AGRICULTURE

- 631.36 Machinery, tools, etc. used in preparing for storage or transport
 - .361 Threshers, etc.
 - 1 Primitiv tools
 - Flails, drags, wain
 - 2 Mechanical threshers
 - 3 Huskers
 - 4 Shellers
 - .362 Cleaning
 - 1 Primitiv tools
 - Shovel, siv, fan
 - 2 Winnowers, fanning machines
 - 3 Sorters, sifters
 - 6 Washers for roots and tubers
 - .363 Silo machinery
 - Ensilage cutters
 - .364 Packing for transportation or storage
 - 1 Bundlers
 - 2 Balers Baling presses
 - 3 Bunchers
 - 4 Packers: baskets, boxes
 - See 631.3721
 - .37 Power, power transmission appliances Transport
 - .371 Motiv power
 - 1 Human power
 - 2 Animal power
 - 3 Water power
 - 4 Windmills
 - 5 Steam engines
 - 6 Gas engines, oil and alcohol
 - 7 Electricity
 - .372 Tractors
 - 1 Steam
 - 2 Gas, oil, alcohol
 - 3 Electric
 - .373 Transport appliances
 - 1 By carrying
 - Baskets, boxes, bags, etc. handbarrows
 - 2 On animals backs: packs, saddlebags, etc.
 - 3 Drags Sleds Stoneboats
 - 4 Hand-carts, wheelbarrows
 - 5 Wagons Chute wagons Drays
 - Dumping wagons, hayracks, lumber wagons, trucks
 - 6 Motor trucks
 - 9 Other vehicles
 - .374 Harness Saddles
 - .38 Implements for care of farm animals

DECIMAL CLASSIFICATION

- 631.4 **Land, soil**
 - .41 **Soil chemistry**
 - Chemic properties and constitution of soil
 - .411 **Composition according to geologic origin**
 - .416 **Inorganic chemistry**
 - .417 **Organic chemistry**
 - .42 **Analysis and experiments**
 - Methods of investigation: chemic, mechanical
 - .43 **Soil physics**
 - .431 **Specific weight (gravity) of soil**
 - .432 **Humidity**
 - Water Ground water
 - Soil moisture: hygroscopic, capillary
 - Permeability Absorption
 - .433 **Atmosfere: air, gases**
 - .436 **Temperature**
 - Warmth of soils
 - .44 **Soil classification Adaptability**
 - Alkali lands; soils for special crops, tobacco, etc.
 - .45 **Soil fertility: maintenance, exhaustion**
 - See also 631.8 Fertilizers
 - .46 **Soil bacteriology: microbes, ferments, sterilization**
 - .47 **Soil surveys**
 - .49 **History**
 - .5 **Tillage and farm operations**
 - .51 **Soil preparation and working**
 - .511 **Spading, digging, forking**
 - .512 **Plowing, subsoiling**
 - .513 **Blasting, use of explosivs**
 - .514 **Harrowing**
 - .515 **Rolling, planking**
 - .516 **Hoeing, raking, weeding**
 - .517 **Cultivating**
 - .52 **Selection, breeding, etc.**
 - .521 **Selection**
 - Seed selection
 - " cata ogs
 - 3 **Plant selection**
 - 4 **Nursery catalogs**
 - .522 **Plant breeding**
 - .523 **Hybrids Crossing Creation of new varieties**
 - .524 **Introduction of new kinds**
 - .525 **Acclimatization**

AGRICULTURE

- 631.53 **Methods of plant multiplication**
- .531 **Seedage Seeds**
- 1 **Sowing broadcast**
- 2 **Drilling, in rows**
- 3 **Planting in hills or separate seeds**
- 7 **Spores**
- .532 **Separation of growing plant**
- 1 **Young bulbs, offsets**
Bulbels, bulbules or bulblet; separation of small from parent bulb
- 2 **Tubers**
Cutting into "sets" each with an eye
- 3 **Division or partition of tufted growing plants**
- .533 **Detaching of separate plants**
- 1 **Suckers, root suckers, stem suckers**
- 2 **Runners, stolons**
- 3 **Proliferous buds**
- .534 **Layering**
- 1 **Ordinary; each shoot makes one new plant**
- 2 **Multiple, serpentine, or trench**
- 3 **Mound or stool layering**
See also 631.5323
- 4 **Circumposition, potted, aerial, air or Chinese layering**
- 6 **Layering trees and shrubs**
- 7 **" vines**
- .535 **Cuttings**
- 1 **Choice of cutting**
- 2 **Preparation for planting**
- 3 **Planting**
- 4 **Branch or stem cuttings**
- 5 **Short cuttings: cuttings of single eye or bud**
- 6 **Root cuttings**
- 7 **Leaf and bulb scale cuttings**
- .536 **Transplanting**
For grafting and budding see 631.54
- .54 **Caring for plants**
For protection against injuries, see 632
- .541 **Grafting**
For bridge grafting, sometimes called bark grafting, see 632.8
- 1 **Selection of stock and scion, affinity**
- 2 **Suitable age and season**
- 3 **Methods of grafting Scion grafting**
- 31 **Cleft grafting**
- 32 **Splice "**
- 33 **Whip "**
- 34 **Saddle "**
- 35 **Veneer "**
- 36 **Bark "**
In England and France called crown grafting, see 631.54142; and sometimes used to mean bridge grafting, see 631.541
- 37 **Herbaceous grafting**

DECIMAL CLASSIFICATION

- 631.5414 **Grafting according to position of scion**
 - 41 Root grafting
 - 42 Crown "
 - See also 631.54136, note
 - 43 Stem grafting (on main stem or trunk)
 - 44 Top " (in top or branches)
 - 5 **Bud grafting Budding**
 - Formerly called inoculation Flute grafting
 - 6 **Grafting by approach, inarching**
 - 7 **Binding and protecting grafts**
 - 8 **Indoor grafting**
- .542 **Pruning**
 - 1 **Winter pruning**
 - 11 Theories of pruning
 - 12 Methods of pruning
 - 13 Heading in
 - 14 Thinning of branches
 - 15 Scraping
 - 17 Time to prune
 - 2 **Summer pruning Work on green wood**
 - 21 Pinching in
 - 22 Nipping off buds
 - 23 Clipping
 - 24 Ringing, girdling
 - 27 Thinning fruit
 - 3 **Trimming (to secure definit shape)**
- .543
- .544 **Forcing**
 - 1 **Bel glasses**
 - 2 **Cold frames**
 - 3 **Hotbeds**
 - 4 **Greenhouses**
 - 5 **Forcing houses**
- .545 **Retardation**
- .546 **Training**
 - 1 **Vertical, poles, stakes, cords**
 - 3 **Espalier or trellis training**
 - 4 **Wall training**
 - 5 **Arbor training**
 - 6 **Cordon training**
- .547 **Stages of plant growth**
 - 1 **Seedling**
 - 2 **Increase, growth**
 - 3 **Maturity**
 - 4 **Flowering**
 - 5 **Fruitage**
 - 6 **Ripening**

AGRICULTURE

- 631.55** **Harvesting, storage, preservation**
 These numbers treat of the material operations of harvesting. Class anything about a definite crop under its special number; e. g. 633.11 Wheat crop. See also 631.56 for preparation of crop for market, 636.085 for preparation of food for cattle, etc. For farther preparation of agricultural products not usually done by the farmer at the present day, see the various divisions of commerce, technology and manufactures
- .552 **Mowing**
- .553 **Hay making, stacking, etc.**
- .554 **Reaping**
- .555 **Corn harvesting**
- .556 **Harvesting other special crops**
 For cutting and felling trees see 634.9 Forestry
- 1 Fruits, nuts, etc.**
- 3 Legumes: peas, beans, etc.**
- 4 Root crops and tubers**
- 5 Fiber crops: flax, hemp, cotton picking**
- 6 Sugar cane, etc.**
- 7**
- 8 Saps, gums, resins, etc.**
- 9 Other crops**
- .56 **Preparation for storage and transport**
 See note under 631.55
- .561 **Preparing grains**
- 2 Threshing, etc.**
- 3 Husking corn, etc.**
- 4 Shelling corn**
- .562 **Cleaning, etc.**
- 2 Winnowing**
- 3 Sorting, sifting**
- 6 Washing (roots, tubers, etc.)**
- .563 **Storing green fodder**
 Cutting, and filling silos
- .564 **Packing for transportation or storage**
- 2 Baling**
- 4 Packing in baskets, boxes and barrels**
- .57
- .58 **Special methods**
- .581 **Fallowing**
- .582 **Crop rotation**
- .583 **Intensiv farming**
- .584 **Catch crop culture**
- .585
- .586 **Dry farming Deep soil culture**
- .587
- .588 **Application of special forces**
- 1 Electro culture**
- 2 Radio "**

DECIMAL CLASSIFICATION

- 631.6 Reclamation Drainage**
 - Agricultural engineering
 - .61 Initial operations
 - .611 Prairies
 - .612 Waste lands: rocks and bushes
 - .613 Hillsides: terracing
 - .614 Forests
 - .615 Marshes Swamps
 - .616 Lands under water Polders
 - .617 Deserts
 - See 631.7 Irrigation
 - .62 Drainage methods
 - Ditches Drains (open, covered, tile)
 - .63 Drainage systems
 - Plans, layouts
 - .64 Dikes and embankments
 - .65 Water removal by machinery
 - Pumps, windmills, etc.
 - .7 Irrigation, water supply
 - Conservation of moisture. Rainfall, streams
 - .71 Source of water: wells, reservoirs
 - .72 Irrigating canals
 - .73 Systems of irrigation
 - Plans, etc.
 - .74 Measure and distribution of water
 - .75 Cost of water
 - .76
 - .77
 - .78 Machinery
 - .79 Methods of conserving moisture
 - Mulching
 - See also 631.586 Dry farming; 631.8 Fertilizers, amendment of soils
 - .8 Fertilizers
 - .81 History, nature, uses
 - .811 Nutrition of plants; necessary principles
 - .812 Production, preparation, collection, conservation
 - .813 Composition
 - .814 Loss of fertilizing principles
 - .815 Economic value
 - .816 Use Methods of application and distribution
 - .817 Purchase Transport Cost
 - .818 Frauds Adulterations Control; legislation, inspection, analysis
 - Any special fertilizer may be subdivided like 631.81; e. g.
631.8525 Economic value of bone as a fertilizer
631.8733 Composition of seaweed

AGRICULTURE

- 631.82 Mineral amendments
 - .821 Lime, gypsum, plaster
 - .822 Marl
 - .825 Sulfate of iron
- .83 Potash fertilizers
 - .831 Wood ashes, vegetable ashes, burning turf
 - .832 Chlorids
 - .833 Sulfates
- .84 Nitrogen fertilizers
 - .841 Ammonia
 - .842 Nitrates
 - 1 Calcium cyanamid
 - 5 Sewage
- .843 Animal industry residues: skin, etc.
 - Slaughter house refuse. See also 831.852 Bone
- .844 Fish
- .845 Blood
- .846 Tankage
- .847 Vegetable nitrogen fertilizers
 - Cotton seed meal, castor beans, pomace
 - 1 Nitrifying crops
 - 2 Soil inoculation Bacteria Nitrification
 - For soil conditions see 631.46. Here class introduction of bacteria to improve the soil. The difference is the same as between 631.47 Soil fertility and 631.8 Fertilizers
- .848 Azotin, ammonite, etc.
- .85 Fosforic acid
 - .851 Natural rock
 - .852 Bone
 - .853 Slags
 - .854 Guano
 - .855 Superfosfates
- .86 Farmyard and stable manures, etc.
 - Subdivided like 636; e. g. 631.862 Cow manure
- .87 Vegetable manures
 - .871 Muck
 - .872 Leaves
 - .873 Seaweed
 - .874 Green manures
 - .875 Vegetable compost
 - .876 Residue from vegetable industries
- .88 Fertilizer experiments
- .9 Climate, roads, etc.

DECIMAL CLASSIFICATION

632 Hindrances: blights, pests, insects

Including those injurious to either plants or animals, but material relating to diseases of animals is better classed in 619 or 636.089 and may attract all matter specially relating to animals

- .1 Elemental destruction Protection**
- .11 Low temperature, frost, freezing**
- .111 Methods of protection**
- .112 Warnings: wether bureau, thermometers**
- .113 Covering**
- .114 Artificial clouds**
- .115 Fires**
- .116**
- .117**
- .118 Repairing damages**
- .12 Excessiv heat and drout**
- .13**
- .14 Hail**
- .15 Lightning**
- .16 Wind and rain**
- .17 Floods, inundations**
- .18 Fires: forest and prairie**
- .19 Other destructiv agents**
 - Earthquakes, fumes, gas, etc.
- .2 Galls Cecidiology**
 - No subdivision at present
- .3 Bacteria and bacterial diseases**
 - No subdivision at present
- .4 Fungi**
 - Divided like 589.2
- .5 Parasitic and injurious plants**
- .58 Weeds**
- .59 Plants injurious or poisonous to animals**

AGRICULTURE

- 632.6 **Injurious animals**
 - Divided like 590, but class injurious insects in 632.7 instead of 632.657
- .7 **Injurious insects**
 - Divided like 595.7
- .71 **Thysanura, etc.**
 - Bristle tails or silver fish, spring tails
- .72 **Orthoptera**
 - Grasshoppers, locusts, roaches, earwigs, leaf insects. See also 632.75 for leaf hoppers
- .73 **Pseudoneuroptera**
 - Dragon flies, thrips
- .74 **Neuroptera**
 - Lacewing flies, caddis flies
- .75 **Rhynchota, hemiptera**
 - Afids, biting lice, cicads, grass flies, scale insects, chinch bug, squash bug, mealy bug, leaf hoppers. See also 632.72 for other leaf insects
- .76 **Coleoptera**
 - Beetles, flat-hed and round-hed borers, weevils, wire worms
- .77 **Diptera**
 - Flies, mosquitos, gnats, midges, fleas, root maggots, army worm, Hessian fly
- .78 **Lepidoptera**
 - Butterflies, moths, caterpillars
- .79 **Hymenoptera**
 - Ants, bees, wasps; saw, gall, and ichneumon flies
- .8 **Diseases and injuries**
 - Other than covered by 632.2-.7
- .9 **Means of protection**
 - Other than covered by 632.1; e. g. netting and covers, screens, gards, scarecrows
- .94 **Methods and apparatus**
 - Spraying, dusting, fumigating
- .95 **Preparations and materials**
 - .951 **Insecticides**
 - .952 **Fungicides**
 - .953 **Antiseptics**
- .96 **Natural enemies of pests**
 - May be subdivided like 590

DECIMAL CLASSIFICATION

633 Field crops: grains, grasses, fibers, etc.

SUMMARY

- .1 Cereals, grains
- .2 Grasses
- .3 Legumes
- .4 Root crops
- .5 Fiber crops
- .6 Sugar plants and starch
- .7 Alkaloidal plants
- .8 Perfumes, spices, condiments, etc.
- .9 Other plants

.1 Cereals

- .11 Wheat
- .12 Buckwheat
- .13 Oats
- .14 Rye
- .15 Corn, maize
- .16 Barley
- .17 Millet, sorghum, etc.
- .171 Millet
- .172 Panic grass
- .173 Prosos
- .174 Sorghum
For sweet sorghum see 633.62
- .175 Broom corn
- .176 Shallu
- .177 Kafir, milo maize
White kafir, blackhul kafir, red kafir
- .178 Durra, Jerusalem corn
Yellow milo, brown durra, white durra, rice corn, white Egyptian corn
Egyptian corn
- .18 Rice
- .19 Other

.2 Forage crops: grasses

Class here general treatises on forage crops. Divided according to Hackel

- .21 Blue grass *Poa*
- .22 Orchard grass *Dactylis*
- .23 Red top, bent grass *Agrestis*
- .24 Timothy *Phleum*
- .25 Cereal grasses Divided like 633.1 Cereals
- .26 Other cultivated grasses
- .261 Bermuda grass *Cynodon*
- .262 *Bromus*
- .263 Rye grass *Lolium*
- .264 Fescues *Festuca*
- .265 Oat grass *Arrhenatherum*
- .266 *Paspalum*
- .267 *Phalaris*
- .27

AGRICULTURE

- 633.28 Other grasses
 Class here only such grasses as hav no specific number
 Divided like Hackel in 633.21-.267
- .281 *Maydeae*
 - Zoysicac*
 - Tristegineae*
 - .282 *Andropogonae*
 - .283 *Paniccae*
 - .284 *Oryzeae*
 - Phalarideae*
 - .285 *Agrostideae*
 - .286 *Aveneae*
 - .287 *Chlorideae*
 - .288 *Festuceae*
 - .289 *Hordeae*
 - Bambuseae*
 - .3 Forage crops: legumes, etc.
 - .31 Alfalfa *Medicago*
 Black medic, bur clover
 - .32 Clovers, berseem *Trifolium*
 - .33 Cowpeas *Vigna*
 - .34 Soybean *Glycine*
 - .35 Vetches *Vicia*
 - .36
 - .361 Sainfoin *Onobrychis*
 - .362 Kidney vetch *Anthyllis*
 - .363 Velvet bean *Mucuna*
 - .364 Japan clover *Lespedeza*
 - .365 Beggar weed *Meibomia* *Desmodium*
 - .366 Sweet clover *Melilotus*
 - .367 Lupin *Lupinus*
 - .37 Other legumes
 - .371 *Sophoreae*
 - .372 *Podalyrieae*
 - Genisteae*
 - .373 *Trifoliae*
 - .374 *Loteae*
 - .375 *Psoraleae*
 - Galegeae*
 - .376 *Hedysareae*
 - .377 *Valbergieae*
 - .378 *Vicieae*
 - .379 *Phaseoleae*
 - .38
 - .39 Other forage crops

DECIMAL CLASSIFICATION

633.4 Root crops

These are practically all also classed as vegetables in 635.1 and .2 and for convenience of correspondence the same arrangement is followed here: 633.4 divided like 635.1 and 633.49 divided like 635.2

- .41 Beet *Beta vulgaris*
See also 633.63 Sugar beet
- .416 Half sugar mangel
- .417 Mangel and mangel wurzel
- .42 Turnip *Brassica rapa*
- .425 Hybrid turnip
- .426 Rutabaga *Brassica campestris*
- .43 Carrot *Daucus carota*
- .44 Parsnip *Pastinaca sativa*
- .49 Tubers and bulbs
- .491 Potato *Solanum tuberosum*
- .492 Sweet potato *Ipomoea batatas*
- .494 Jerusalem artichoke *Helianthus tuberosus*
- .5 Textil fibers, cordage, plaiting, basket, etc.
- .51 Cotton *Gossypium*
- .52 Flax *Linum*
- .53 Hemp *Cannabis*
For other fibers known as hemp, see 633.56-.57. Brown and Indian hemp are indefinite. For 'true Indian hemp' see 633.567
- .54 Jute *Corchorus*
- .55 Ramie, China grass *Boehmeria*
- .56 Other soft fibers
- .561 China jute *Abutilon*
- .562 Sunn hemp *Crotalaria*
Bengal, Bombay, Conkanee, false, Konkan, Madras or Salsette hemp or Travancore flax; also incorrectly Dekkan or Ambari hemp. Jubbulpore or Jabbalpur hemp
- .563 Ambari or Dekkan hemp *Hibiscus*
Kanoff and Gambo hemp. Dekkan hemp also known in market as Binlipatam jute
- .564 Majagua *Paritium* *Hibiscus tiliaceus*
- .565 Olona *Touchardia*
- .566 Colorado river hemp *Sesbania*
- .567 Canada (or Indian) hemp *Apocynum*
True Indian hemp; also called black Indian hemp
- .57 Hard fibers
- .571 Manila hemp, Abaca *Musa*
- .572 New Zealand hemp *Phormium*
- .573 Mauritius hemp *Furcraea*
- .574 Bowstring hemp *Sansevieria*
- .575 Bromelia fibers
- .576 Pineapple fiber *Ananas*

AGRICULTURE

- 633.577 **Agave fibers**
- 1 **Sisal, henequen** *Agave rigida*
- 2 **Ixtle, istle, tampico** *Agave heteracantha*
 Jaumave istle *Agave lophantha*
 Tula istle *Agave Lecheguilla*; also *A. univittata*, *A. caerulea*,
 A. Kerchoensis
 Palm istle *Palma samandoca*, *Samuela carnerosana*, *Palma pita*,
 Yucca treuleana
- 3 **Manila maguey** *Agave Cantula*
- 4 **Aloe fiber**
- 5 **Maguey fiber** *Agave atrovirens*, *A. collina*, *A. Potosina*,
 A. Tequilana, *A. vivipara*
- 6 **Zapupe "zapupe verde", "zapupe azul"**
- .58 **Fibers for plaiting, basket and wicker work; ruf weaving**
- .581 **Coir, coconut fiber** *Cocos*
- .582 **Raffia** *Raphia*
- .583 **Esparto grass, alfa, halfa** *Stipa*
- .584 **Hat fibers**
 Jipijapa plant *Carludovica* Panama hats
 Yaraw or hat palm *Inodes*
 Straw, wheat, rye, barley, rice; in agricultural aspect better clast in 633.1
- .585 **Rushes and sedges** *Juncus* *Cyperaceae*
- .586 **Reeds** *Arundo*
- .587 **Bamboo**
- .588 **Osier, willow** *Salix*
 Other woods, splints, rattan
- .59 **Fibers for other industrial uses**
 Filling or stuffing fibers, calking natural fibers: Cuba bast, etc. brush fibers,
 broom root, paper materials, usually better clast from agricultural standpoint
 with other uses of the material
- .6 **Sugar plants and starch**
- .61 **Cane** *Saccharum*
- .62 **Sorghum** *Andropozon sorghum Brot.* *S. vulgare Linn.*
- .63 **Sugar beets** *Beta*
- .64 **Maple** *Acer saccharum Marsh*
- .65 **Palm**
- .66 **Other sugar plants**
- .68 **Starch**
 Single plants usually better clast from agricultural standpoint with other uses
 of these plants; e. g. wheat, corn, rice, potatoes, etc.
- .7 **Alkaloidal plants**
 For those chiefly medicinal see 633.88
- .71 **Tobacco** *Nicotiana*
- .72 **Tea** *Canellia thea Link* *Thea Linn.*
- .73 **Coffee** *Coffea*
- .74 **Cacao, coco, chocolate** *Theobroma*
- .75 **Poppy (opium)** *Papaver*
- .76 **Kola or cola**
- .77 **Maté** *Ilex*
 Brazil or Paraguay tea, Jesuits tea, yerba
- .78 **Chicory, succory** *Cichorium*

DECIMAL CLASSIFICATION

- 633.8** **Perfumes, spices, condiments, etc.**
- .81 **Perfumery**
 See also 668.5
 - .811 Floral: rose, jasmin, violet
 - .812 Herbal: lavender, rosemary, geranium, patchouli
 - .813 Citrin: bergamot
 - .814 Woods: sandalwood, cedar
 - .815 Roots: orris, vetiver
 - .816 Balms and gums: myrrh, benzoin
 - .82 **Flavoring**
 - .821 Vanilla
 - .822 Mints *Mentha*
 - .823 Wintergreen *Gaultheria*
 - .824 Sassafras
 - .825 Ginger *Zingiber*
 - .83 **Spices**
 See also 664.5
 - .831 Allspice
 - .832 Cloves
 - .833 Cinnamon
 - .834 Nutmeg
 - .84 **Condiments**
 - .841 Pepper *Piper*
 - .842 Red pepper, paprika *Capsicum*
 - .843 Chili *Capsicum*, specially *c. fastigatum*
 - .844 Mustard
 - .845 Capers
 - .846 Horseradish
 - .85 **Oil producing plants**
 Usually better class from agricultural standpoint with the purpose for which
 the oil or plant is used
 - .86 **Vegetable dyes, dye plants**
 - .861 Yellow
 - .862 Blue
 - .863 Red
 - .864 Green
 - .87 **Tanning material**
 Usually better class from agricultural standpoint with the tree or plant from
 which the material is derived
 - .871 Sumac Canaigre
 - .88 **Medicinal plants**
 - .89 **Other**

634 Fruits, orchards, vinyards, forestry

SUMMARY

- .1 Pomaceous fruits
 - .2 Drupaceous "
 - .3 Citrous "
 - .4 Minor fruits
 - .5 Nut "
 - .6 Palmaceous fruits
 - .7 Small fruits
 - .8 Grapes
 - .9 Forestry
-
- .1 **Pomaceous or pome fruits**
 - .11 Apple *Pyrus malus*
 - .12 Crab apple
 - .13 Pear *Pyrus*
 - .14 Quince *Cydonia*
 - .15 Medlar *Mespilus*
 - .16 Loquat, Japan plum *Eriobotrya Japonica*
 - .2 **Drupaceous or stone fruits** *Prunus*
 - .21 Apricot *Prunophora*
 - .22 Plum *Prunophora*
 - .23 Cherry *Cerasus*
 - .24 Racemose cherries: wild cherry, choke cherry, padins, sand cherry
 - .25 Peach *Amygdalus* or *Prunus Persica*
 - .26 Nectarin (variety)
 - .3 **Citrous fruits: orange family, etc.**
 - .31 Orange *Citrus aurantium*
 - .32 Varieties
 - .321 Trifoliate *C. trifoliata*
 - .322 Mandarin, tangerine, kid glove orange *C. nobilis*
 - .323 Grape fruit, pomelo, shaddock *C. decumana*
 - .324 Kumquat *C. Japonica*
 - .33 Citron group *C. medica*
 - .331 Citron var. *genuina*
 - .334 Lemon " *limon*
 - .337 Lime " *acida* or *limetta*
 - .34 Other
 - .341 Glycosmis *G. aurantiaca*
 - .342 Lime berry, bergamot lime *Triphasia trifoliata* or *aurantiola*
 - .343 White sapota, cochil sapota *Casimiroa edulis*
 - .36 **Moraceous fruits** Mulberry family
 - .37 Fig *Ficus Carica*
 - .38 Mulberry *Morus*
 - .39 Bred fruit *Artocarpus incisa*

DECIMAL CLASSIFICATION

- 634.4 Minor fruits**
- .41 Anonaceous fruits, custard apple family
 - .411 Sour-sop *Anona muricata* or *Asiatica*
 - .412 Sweet-sop, sugar apple *A. squamosa*
 - .413 Cherimoya; Jamaica apple *A. cherimolia*
 - .414 Pond apple; mamon *A. glabra* or *laurifolia*
 - .415 Custard apple; bullocks hart *A. reticulata*
 - .418 Northern papaw *Asimina triloba*
 - .42 Myrtaceous fruits, myrtle family
 - .421 Guava *Psidium*
 - .422 Rose apple; jamrosade *Eugenia jambos*
 - .423 Surinam cherry: Cayenne cherry; pitanga *Eugenia uniflora* or *Michellii*
 - .43 Sapotaceous fruits, star apple or sapodilla family
 - .431 Sapodilla, naseberry *Achras sapota*
 - .432 Marmalade tree or plum *Mammea sapota*, *Lucuma mammosa*
 - .433 Star apple *Chrysophyllum Cainito*
 - .44 Anacardiaceous fruits, cashew family
 - .441 Mango *Mangifera Indica*
 - .442 Jew plum, Pomme Cythere, sweet Otaheite apple *Spondias dulcis*
 - .443 Spanish plum *Spondias purpurea*
 - .45 Ebenaceous fruits; ebony family
 - .451 Kaki; Japan persimmon *Diospyros Kaki*
 - .452 Persimmon *D. Virginiana*
 - .46 Leguminous fruits; bean family
 - .461 Tamarind *Tamarindus Indica*
 - .462 St Johns bred; carob; karoub; algaroba *Ceratonia siliqua*
 - .5 Nut fruits Nuciculture**
 - .51 Walnut Juglars
 - .511 Persian or English walnut *J. regia*
 - .512 Black walnut *J. nigra*
 - .513 Japan walnut *J. Sieboldiana*
 - .518 Butternut, white walnut *J. cinerea*
 - .52 Hickory nut *Hicoria*
 - .521 Pecan *H. pecan*
 - .522 Shagbark or little shelbark hickory *H. ovata*
 - .523 Big or bottom shelbark hickory *H. laciniosa*
 - .524 Pignut *H. glebra*

AGRICULTURE

- 634.53 Chestnut *Castanea*
- .531 European chestnut *C. sativa* or *vesca*
- .532 American chestnut *C. americana*
- .533 Japan chestnut *C. crenata* or *Japonica*
- .537 Chinkapin *C. pumila*
- .54 Filbert, hazelnut, cobnut *Corylus*
- .55 Almond *Prunus*
- .551 Almond *P. amygdalus*
- .552 Russian almond *P. nama*
- .555 Tropical almond *Terminalia Catappa*
- .57 Miscellaneous nuts
- .571 Litchi, Leechee *Nephelium Litchi*
- .572 Ginkgo *G. biloba*
- .573 Cashew *Anacardium occidentale*
- .574 Pistachio *Pistacia vera*
- .58 Peanuts *Arachis hypogaea*
- .6 **Palmaceous fruits**
Palm family and miscellaneous tree fruits
- .61 Coconut, coco palm *Cocos nucifera*
- .62 Date palm *Phoenix dactylifera*
- .63 Oliv *Olea Europea*
- .64 Pomegranate *Punica granatum*
- .651 Papaw; melon papaw, melon zapote *Carica*
- .652 Spanish lime Ginep *Melicocca bijuga*
- .653 Alligator or Avocado pear *Persea gratissima*
Aquacata, midahipmans butter
- .654 Mammee apple, S. Domingo apricot *Mammea Americana*
- .661 Hovenia
- .662 Jujube *Zizyphus*
- .663 Myrica
- .664 Seagrape; shore grape *Coccoloba uvifera*
- .665 Pigeon plum *Coccoloba Floridara*
- .666 Otaheite gooseberry *Phyllanthus distichus*
- .667 Strawberry tree *Arbutus unedo*
- .7 **Small fruits, bush fruits and herblike fruits**
- .71 Rubaceous, cane or bramble fruits *Rubus*
- .711 Raspberries
1 European 2 Black cap 3 Red
- .712 Oriental raspberries, wineberry, Japanese wineberry
- .713 Blackberry
- .714 Loganberry
- .717 Dewberry
1 Northern 2 Southern 3 Pacific

DECIMAL CLASSIFICATION

- 634.72 Ribaceous fruits Groselles *Ribes*
- .721 Currants
- .722 Garden or common currant *R. rubrum*
- .723 Black currant
- 1 European *R. nigrum*
- 2 American *R. Americanum*
- 3 California *R. bracteosum*
- .724 Buffalo, Missouri, flowering or golden currant *R. aureum*
- .725 Gooseberry
- .726 European *R. grossularia*
- .727 American *R. oxycanthoides*
- .73 Huckleberry, blueberry, etc.
- .731 Blue tangleberry or dangleberry *Gaylussacia frondosa*
- .732 Black huckleberry *G. resinosa*
- .734 Low or dwarf blueberry *Vaccinium Pennsylvanicum*
- .735 Canadian blueberry *V. Canadense*
- .736 Low or pale blueberry *V. vacillans*
- .737 Swamp blueberry, high huckleberry *V. corymbosum*
- .74 Miscellaneous bush fruits
- .741 Juneberry *Amelanchies*
- .742 Buffalo berry *Lepargyreaea argentea* *Shepherdia argentea*
- .743 Goumi *Elaeagnus longipes* or *multiflora*
- .744 Caraunda Christ'sthorn *Carissa Carandas*
- .745 Cranberry bush, high or tree cranberry *Viburnum opulus*
- .746 Barberry *Berberis*
- .747 Elderberry
- .75 Strawberry *Fragaria*
- .751 Garden strawberry, pine strawberry *F. chiloensis*
- .752 Hautbois strawberry *F. moschata*
- .753 Alpin and perpetual strawberry *F. vesca*
- .754 Scarlet or Virginia strawberry *F. Virginiana*
- .76 Cranberry *Vaccinium macrocarpor*, etc.
- .77 Nonwoody or herblike fruits
- .771 Musacious fruits *Musa*
- .772 Banana *Musa sapientium*
- .773 Plantain banana, cooking banana, Adam's fig var. *paradisiaca*
- .774 Pineapple *Ananas sativus*
- .775 Cactaceous fruits
- 1 Prickly pear, tuna *Opuntia tuna*
- 4 Indian fig *Opuntia ficus Indica*
- 7 Barbados gooseberry, lemon vine, blad apple *Pereskia aculeata*
- .776 Miscellaneous herblike fruits
- 1 Cyphomandra; tree tomato *Cyphomandra betacea*
- 2 Ceriman *Monstera deliciosa*

AGRICULTURE

634.8 Grapes, vineyards

.9 Forestry

635 Garden crops; kitchen and market gardening

SUMMARY

- .1 Edible roots, including tubers and bulbs
- .2 Tubers and bulbs
- .3 Edible leaves or flowers
- .4 Greens, pot herbs
- .5 Salads
- .6 Edible seeds and fruits
- .7 Condimental and sweet herbs
- .8 Mushrooms, truffles
- .9 Floriculture

.1 Edible roots

.11 Beet

.12 Turnip

Usually a field crop. See 633.42

.126 Rutabaga Swedish turnip Turnip-rooted cabbage

.127 Navew, French turnip

.128 Celeriac, turnip-rooted celery

.13 Carrot

.136 Turnip-rooted chervil

.137 Chicory

Better in 633.78

.14 Parsnip

.15 Radish

.16 Salsify, oyster plant, vegetable oyster

.166 Scorzonera, black salsify

.167 Scolymus, Spanish salsify

.2 Edible tubers and bulbs

.21 Potato

.22 Sweet potato, Spanish potato, batata

.23 Yam

.24 Jerusalem artichoke, topinamber

.25 Onion

.26 Other plants of Allium family

.261 Leek

.262 Garlic

.263 Shallot, scallion

.264 Cibol, Welsh onion (French, ciboule)

.265 Cive, chive

DECIMAL CLASSIFICATION

- 635.3 Edible leaves, flowers and stems**
- .31 Asparagus
 - .32 Artichoke
 - .327 Cardoon, chardoon
 - .33 Sea kale
 - .34 Cabbage
 - .341 Kale or borecole
 - .347 Collards
 - .348 Kohlrabi
 - .35 Cauliflower
 - .356 Broccoli
 - .36 Brussels sprouts
 - .4 Greens
 - .41 Spinach
 - .42 Chard, sea-kale beet, Swiss chard
 - .43 Orach, French spinach
 - .44 Mustard
 - .45 Sorrel Dock
 - .46 Dandelion Purslane (pusley)
 - .48 Rubarb
 - .5 Salads
 - .51 Bitter salads
 - Dandelion. See 635.46
 - Cardoon. " 635.327
 - .52 Lettuce *Lactuca sativa*
 - .53 Celery *Apium graveolens*
 - .54 Chicory or succory *Cichorium intybus*
Also used as pot herb and root
 - .55 Endive *Cichorium endivia*
 - .56 Piquant or warm salads
Class any species or variety with its genus; e. g. bitter cress, *cardaminis amara* with 635.562
 - .561 Water cress *Nasturtium officinale*
 - .562 American water cress *Cardamine rotundifolia*
 - .563 Garden cress *Lepidium sativum*
 - .564 Winter cress *Barbaria vulgaris*
 - .565 Swine cress *Senebiera coronopus*
 - .566 Indian cress *Tropaeolum majus*
For mustard see 635.44
 - .57 Neutral salads
 - Lamb's lettuce, corn salad, faticcus

AGRICULTURE

- 635.6 Edible seeds and fruits**
- .61 Melons
 - .611 Muskmelon: cantaloup, nutmeg, winter, etc.
 - .615 Watermelon: preserving or "citron"
 - .618 Zit kwa, wax gourd
 - Chinese preserving melon, Chinese watermelon
 - .62 Squashes
 - .621 Summer or bush squashes
 - Crooknecks, scallop or pattypan, pineapple
 - .622 Fall and winter, or longrunning squashes
 - Canada crookneck, Hubbard
 - .623 Vegetable marrow
 - .624 Pumpkins
 - .627 Luffa, rag gourd, dishcloth gourd, vegetable sponge
 - .63 Cucumbers Gherkins Martynia
 - .64 Tomato
 - .646 Egplant, guinea squash, aubergine
 - .647 Physalis, husk tomato, strawberry tomato
 - .648 Okra or gumbo
 - .65 Beans
 - .651 Broad bean
 - .652 Kidney bean: garden, snap and string bean; haricots
 - .653 Lima or sugar bean
 - .654 Dolichos
 - .655 Soy or soja bean See 633.34
 - .66 Peas
 - .667 Chick pea *Cicer arietinum*
 - .668 Lentils *Lens esculenta*
 - .67 Sweet corn
 - .677 Pop corn
 - .7 Condimental and sweet herbs
 - For the regular condiments of commerce see 633.84 and 664.5
 - .71 Seasoning leaves and flowers
 - .72 Garden mint, spearmint
 - .74 Flavoring for pickles, vinegar, etc.
 - Dill, tarragon, samfire, costmary
 - .75 Seeds for flavoring
 - Anis, coriander, carraway
 - .76
 - .77
 - .78 Garnishes: parsley, leaf chervil
 - .8 **Mushrooms, truffles**
 - .9 **Floriculture**

DECIMAL CLASSIFICATION

636 Domestic animals

.08 Zootechny

The breeding and keeping of animals in domestication

SUMMARY

- .081 Selection Economics
- .082 Formation of stock, races, breeding
- .083 Care
- .084 Feeding
- .085 Food; general questions
- .086 Foods; divided like 633
- .087 Other foods
- .088 Utilization and training
- .089 Hygiene Diseases

- .081 Selection Economics, etc.
- I Selecting and acquiring stock
- II Capture
 - Of wild animals and of domesticated animals allowed to run wild.
 - " Round up " of western ranches
 - 111 Capture by snares, traps, nets, etc.
 - 112 " " wepons, guns, etc.
 - 113 " " help of other animals, dogs, horses, ferrets, hawks, etc.
 - 12 Purchase Original cost
 - 13 Barter Horse trade
 - 14 Standards of excellence Points
 - 15 Soundness Imper'ctions Blemishes
 - 16 Estimating age
 - 2 Brands and branding and other marks of ownership
 - 28 Catalogs of brands
 - 3 Stock farms Ranches
 - 31 Descriptions of individual farms
 - Alfabetic
 - 6 Finances and accounts
 - 7 Expenses
 - 71 Supplies, food, etc.
 - 73 Wages
 - 75 Insurance
 - 8 Returns, yield, profit
 - 81 Weight tables
 - 87 Stock farm catalogs
 - 88 Catalogs of sales

AGRICULTURE

- 636.082 **Formation of stock**
 Races, breeding, heredity, etc.
- 1 **Character of herd, flock, colony, etc.**
- 11 **Species, races, breeds, strains; heredity, variation**
- 2 **Herd books, stud books, flock books, etc.**
- 3 **Composition of herd, flock, colony; sexes**
 Including notes and articles about the different kinds
- 31 **Male**
- 32 **Female**
- 33 **Neuter (of bees)**
- 34 **Castrated male Gelding**
- 35 " **female**
- 36 **Young animals**
- 37 **Males**
- 38 **Females**
- 4 **Breeding Reproduction**
- 41 **Breeding in and in**
 Line breeding. Animals closely related by blood
- 43 **Cross breeding**
- 431 **Hybrid**
 Individuals of different species
- 432 **Métissage**
 Individuals of different races
- 44 **Choice of parents**
- 45 **Generation**
- 451 **Sexual excitement: heat, rut**
- 453 **Sexual union**
- 454 **Impregnation**
 Fusion of male and female element
- 46 **Laying of eggs**
- 461 **Nests**
- 47 **Incubation Hatching**
- 471 **Natural**
- 474 **Artificial Incubators**
- .083 **Care of animals**
- 1 **Bilding and installation**
 Stalls, boxstalls, pens, nests
- 2 **Care of stables or houses**
 Clenliness, bedding
- 3 **Care of animals**
 Grooming, clipping
- 37 **Special care of young**
 Brooders 636.5
- 4 **Care of feet Shoeing**
- 5 **Care of animals outdoors**
 Shepherds, watch dogs, etc.
- 6 **Acclimatization**
- 61 **Protection from cold: blankets**
- 62 " " **heat**
- 66 " " **wind and rain**
- 7 **Care of harnesses and accouterments**

DECIMAL CLASSIFICATION

- 636.084 Feeding
 - 1 Feeding of young
 - 11 Suckling
 - 12 Weaning
 - 13 Hand or artificial feeding
 - 2 General methods of feeding
 - 21 In stables, houses, etc.
 - 22 In pasture
 - 23 Mountain pastures, ranches
 - 31 Special provisions: water, salt, etc.
 - 4 Ordinary, rational feeding
 - 41 Rations Amount and proportion
 - 42 Kind and times of feeding
 - 45 Substitutions Variety
 - 5 Feeding for special purposes
 - 51 For breeding time
 - 52 For increase production: milk, eggs, etc.
 - 53 For work
 - 55 For fattening
 - 56 Forced feeding, cramming
- .085 Food
 - 1 Composition
 - 2 Nutritiv value
 - 3 Food experiments
 - 4 Commercial value
 - 5 Different kinds of food
 - For individual foods see 638.086 and .087
 - 51 Fresh or green fodder
 - 52 Ensilage
 - 54 Dry fodder
 - Hay, straw, grains
 - 57 Prepared foods
 - Industrial residues Cakes of oily grain or fruit
 - 6 Preparation and use of food
 - 9 Adulterations of foods for animals
- .086 Foods
 - Divided like 633
 - 13 Oats
 - 15 Corn
 - 2 Forage crops, hay
 - 25 Straw
 - 255 Cornstalks
 - 32 Clover
 - 41 Beets

AGRICULTURE

- 636.o87 **Other foods**
 - 4 **Fruits**
Divided like 634
 - 5 **Garden crops**
Divided like 635. Use only for material not covered by subdivisions of 633
 - 6 **Animal food**
 - 7 **Mineral foods: salt, condiments**
- .o88 **Utilization and training of animals**
 - 1 For breeding purposes
 - 2 For work
 - 3 For production of food: meat, eggs, etc.
 - 4 For animal products
Wool, skins, fethers, etc.
 - 6 **Breaking, training, etc.**
 - 61 To saddle, etc. for carrying purposes
 - 62 To harness, for work
 - 66 **Special training**
 - 661 Carrying messages
 - 662 Hunting
- .o89 **Hygiene, diseases, etc.**

Hygiene is usually better clast 614.9, and Diseases 610

 - 1 **Anatomy**
 - 2
 - 3 **Hygiene**
 - 5 **Remedies, materia medica**
 - 6 **Diseases**
 - 7 **Surgical operations**
- .1 **Horse**
 - .11 **Oriental horse**
Arabian, Persian, Tartar, Turkish, Barb
 - .12 **Speed horse, race horse, light type, 'hot blooded'**
 - .121
 - .122 **English thorbred or running horse**
 - .127 **Other European**
 - 1 **Russian Orloff trotters**
 - .128 **American trotter or pacer**
Morgan
 - .13 **Saddle horse**
Hunter; military (charger, cavalry horse, etc.), American saddle, Kentucky saddle, cob. park hack, palfrey

DECIMAL CLASSIFICATION

- 636.14 Coach or carriage horses
 - Harness horse
- .142 English coach
 - 1 Cleveland bay
 - 2 Yorkshire coach
 - 3 Hackney
- .143 German coach
 - East Prussian or Trakehner, East Friesland, Rhenish Prussian, Mecklenburg, Schleswig, Hanoverian, Oldenburg, Holstein
- .144 French coach, ' demisang '
- .145 Italian: Corsican
- .15 Draft horse, cart horse, hevvy type, ' cold blooded '
- .152 English
 - 1 Clydesdale
 - 2 Suffolk punch or draft
 - 3 Black or shire draft
- .154 French and Belgian
 - 1 Norman, Percheron
 - 2 Ardennais
 - 3 Boulonnais
 - 4 Breton
 - 5 Nivernais
 - 8 Belgian draft, Flanders dray, Flemish horse
- .158 American draft
 - Conestoga
- .16 Ponies
- .161 Ponies for special purposes: polo
- .162 Scotch, English and Welsh
 - 1 Shetland
 - 2 Galloway
 - 4 Exmoor
 - 5 Dartmoor
 - 6 New Forest
 - 9 Welsh
- .168 American
 - Mustang, bronco, Indian pony
- .18 Allied animals
- .182 Ass: jackass, donkey, burro
 - Asiatic, Catalanian, Italian, Maltese
- .183 Mule, hinny
- .184 Zebra, quagga, etc.
- .185 Zebrule, zebroid

AGRICULTURE

- 636.2 Cattle Greater ruminants**
 May be divided like 636.081-.089, but for utilization use .21
- .21 **Uses**
 Subdivide like 636.088 See note above
 - .22 **English cattle**
 - .221 **Old stocks**
 Forest cattle, wild white, Chillingham
 - .222 **Beef breeds**
 - 1 **Short horns**
 - 2 **Durham**
 - 3 **Teeswater**
 - 4 **Lincolnshire**
 - 5 **Red shorthorn**
 - 6 **Hereford whitefaced**
 - 7 **Polled Hereford**
 - 8 **Sussex**
 - .223 **Scotch, Welsh and Irish beef breeds**
 - 1 **Aberdeen Angus**
 Angus doddie, Buchan humbles, polled Aberdeen
 - 2 **Galloway**
 Blue gray
 - 3 **West highland: Kyloe**
 - 6 **Black Welsh**
 - .224 **Dairy breeds**
 - 1 **Channel island cattle**
 - 2 **Alderney**
 - 3 **Jersey**
 - 4 **Guernsey**
 - .225 **Scotch and Irish dairy**
 - 1 **Ayrshire**
 - 2 **Dunlop**
 - 3 **Cunningham**
 - 6 **Kerry**
 Dexter Kerry, Dexter shorthorn
 - .226 **Dual purpose breeds**
 - 1 **Devon**
 North Devon, Rubies, South Devon
 - 2 **South Hams**
 Hammers
 - 3 **Polled Durham**
 - 4 **Red polled**
 - 5 **Norfolk**
 - 6 **Suffolk**
 - 7 **East Anglian**
 - 8 **Longhorn (English)**
 Dishley

DECIMAL CLASSIFICATION

- 636.23 German, Dutch and Swiss cattle
 - .232 Beef breeds
 - .234 Dairy breeds
 - 1 Holstein
 - 2 Holstein Friesian
 - 3 East Friesian
 - 4 Oldenburg
 - .235 Dutch
 - 1 Dutch Friesian, Netherland, North Holland
 - 4 Dutch belted: Lakenfelds, Lakenvelders, Veldlakers
 - 6 Danish
 - 7 Jutland
 - .236 Dual purpose
 - .237 Swiss
 - 1 Brown Swiss
 - 2 Simmental
 - 3 Bernese
 - 4 Spotted race
- .24 French and Belgian
 - .242 Beef
 - .244 Dairy
 - 1 Breton, Brittany
 - .245 Belgian dairy
 - 1 Flamande, Flemish
 - 2 Rosenstein
 - .246 Dual purpose
 - 1 Norman
 - 2 Cotentin
- .27 Other European
 - .271 Russian
 - Kolmogorian
- .28 Other countries
 - .282 American beef breed
 - 1 Longhorn, Texas steer
 - .283 American dairy breed
 - 1 American Holderness, Holderness
 - 2 French Canadian, Quebec Jersey
- .29 Allied animals
 - .291 Brahmin sacred cattle; zebu
 - .292 Bison family
 - 1 Bison; American buffalo
 - 2 Cattalo
 - Hybrid of bison and cow
 - 3 European bison

AGRICULTURE

- 636.293 Buffalo or water buffalo *Bubalus*
 - Bhaina, mhains, arna, arni (Hindu)
 - Moonding (Sudan)
 - Karbo or Karbon (Malay)
 - Carabao (Philippines)
- .294 Deer, reindeer
- .295 Camel: Arabian, Bactrian; dromedary
- .296 Lama, llama, alpaca
- .297 I Yak
- 2 Gayal, gaur
- 636.3 Sheep, goats **Smaller ruminants**
 - May be divided like 636.081-.089, but for utilization use .31
 - .31 Uses
 - Subdivide like 636.088 See note above
 - .32 English breeds
 - .32 I Longwool breeds (coarse wool)
 - 1 Cotswold
 - 2 Leicester
 - English Leicester, New Leicester or Dishley, Bakewell's Leicester
 - 3 Border Leicester
 - Halfbred or Leicester-Cheviot or Cheviot-Leicester or Upland Leicester
 - 4 Lincoln
 - 5 Kent or Romney marsh
 - 6 Wensleydale
 - Bluefaced Wensleydale, Wensleydale longwool, Wensleydale blueface, Teeswater
 - 7 Devon longwool, Southam nolts, Bampton nolts
 - 8 South Devon or South Dum
 - 9 Roscommon
 - .322
 - .323 Shortwool breeds
 - Medium-wool; middle-wool; down sheep; mutton sheep
 - 1 Southdown, Sussex, Sussex down
 - Including Underhill and Upperdown
 - 2 Hampshire down, improved Hampshire down, Wiltshire brook, Berkshire knot, Wiltshire hornd
 - 3 Dorset or West country down, Dorset horn, hornd Dorset
 - 4 Oxford or Oxfordshire down
 - Before 1859 calld Down-Cotswold
 - 5 Suffolk down, old Norfolk, hornd Norfolk
 - 6 Shropshire down, Morfe common
 - .324 I Dorset and Somerset horn
 - 2 Ryeland or Lempster
 - 3 Clun Forest, Wicklow (Irish)
 - 4 Kerry Hill (Irish)
 - 5 Radnor

DECIMAL CLASSIFICATION

- 636.325 Mountain breeds
- 1 Cheviot
 - 2 Blackfaced
 - Scotch blackface or blackfaced Scotch, Linton Forest, Lammermuir, Tweeddale, blackfaced highland
 - 3 Herdwick
 - 4 Lonk or Lank Lancashire blackfaced
 - 5 Penistone
 - 6 Limestone, Limestone Crag
 - 7 Ruf Swaledale
 - 8 Shetland, Orkney, Hebrides
 - .3261 Derbyshire gritstone
 - 2 Dartmoor
 - 3 Exmoor Exmoor horn
 - 4
 - 5
 - 6 Cornwall
 - 7 Welsh mountain
 - .33 German and Dutch breeds Swiss
 - .331 Low country or marsh sheep
 - Hornless and short tailed
 - 1 Dutch Texel
 - 4 Friesian
 - East and North Friesland, Eiderstedt, Ditmarsh, Butjading, Zealand
 - 7 Northeast German
 - Vaga, Elbingen
 - .333 Upland sheep, heath sheep (German heidsnucken)
 - 1 Pomeranian or Polish, Mecklenburg (Spiegelschaf)
 - 2 Hessian
 - 3 Bavarian or Zaupel Franconian (Frankenschaf)
 - 4 Rhine
 - 5 Hanoverian, Münster
 - 6 Styrian or Carinthian
 - .34 French and Flemish breeds
 - .342 Central plateau breeds
 - 1 Auvergne
 - 2
 - 3 La Marche
 - 4
 - 5 Limousin
 - 6
 - 7 Saintonge
 - .344 Loire basin and north France breeds
 - 1 Berrichonne (Crevant, Cher, Indre)
 - 2 Solognote (Sologne)
 - 3 Comtoise (Franche-Comté)
 - 4 Ardennes (Poitou)
 - 5 Percheron (Perche)
 - 6 Angevin (Anjou)
 - 7 Cotentin
 - 8 Bretagne
 - 9 Charmoise (Loir et Cher)

AGRICULTURE

- 636.346 Pyrenean breeds
- 1 Basquaise
 - 2 Béarnaise
 - 3 Landaise
 - 4 Gasconne
 - 5 Lauraguaise
 - 6 Lot
 - 7 Albigeois
 - 8 Aveyron
Varieties: Larzac, Lacaune, Olempe, Cevennes, Causse
 - 9 Barbarins
Varieties: Millery, Lahune, Marthold
- .35 Italian
Neapolitan; long, broad or fat tailed Bergamasque; Paduan; Italian or Sardinian, mountain
- .36 Spanish breeds Merinos, etc.
- .361 Escorial or Estramadura
 - .362 Guadaloupe
 - .363 Pavlar
 - .364 Infantado
 - .365 Nigretti
 - .366 Other Spanish
Aguirre, Atwood, Montares, Leonese, Churra
- .367 Other European merino breeds
- 2 British
 - 3 German
Prussian
 - 31 Hanoverian
 - 32 Saxon
 - 33 Silesian
 - 34 Hungarian
 - 4 French: Rambouillet
 - 8 Danish, Swedish, etc.
- .368 Other merino breeds
- 1 American
 - 2 Delaine
 - 3
 - 4 Australian
- .37 Other European sheep
- .371 Russian
 - .372 North Europe: Scandinavia, Iceland, Faroe islands
Ovis brachyura borealis
 - .373 Southeast Europe
Long tail, broad or fat tail: Macedonian or Clementine
Long tail and small tail, mixt wool: Cretan, Macedonian, Wallachian, Moldavian or Hungarian

DECIMAL CLASSIFICATION

- 636.38 Other countries
 .385 Asiatic
 Short tail, nornd: Tartar, Kalmuck, Kinghir, Buriat fat rump (*ovis steatopyga*); stump tail (*ovis brachycerca*). See also 636.386
 Short tail, hornless: Mecca fat rump, Chinese (*ongtischaf*), Persian
 Long tail, broad or fat tail, dumba (*ovis platyura*): Syrian, Anatolian, Karamanian or Levant, Persian, Bokhara
 Arabian or Bedouin
 Kabardian or Circassian
- .386 African sheep
 Long tail, broad or fat tail: Egyptian, Tunisian, Berber or Algerian
 Long and small tail, heavy fleece: Bisharin (Nubian), dinka (sheep with manes, *ovis africana*), high leg or Guinea sheep (Kongo), Morvan (*longipes*), Libyan or Pezzan, Zunu or Angola
 Stump tail (*ovis brachycerca*). See also 636.385
- .39 Goats
 May be divided like 636.081-.089, but for utilization use .391
- .391 Uses
 Subdivide like 636.088 See note above
- .392 British goats
 Irish goat, longhaird
 English goat, shorthaird
- .393 German and Austrian goats
 Hartz mt, Hinterwald, Hungarian, Langensalsa, Saxony, Schwarzwald, Starckenburg, Westphalian, Wiesental
- 6 Swiss goats
 Alpine or common goat
 Blackneckt Valais, Schwarzhals or Schwarstal, Glacier, saddle Guggisberg
- 7 Toggenburg
- 8 Appenzell or flat-headed
- 9 Saanen or Sarnen, Gessenay or Gassenay
- .394 French goats: Tarentaise
- .395 Italian goats: Maltese
- .396 Spanish goats
 Hornless, Granada, Malaga
 Shorthaird reds, Spanish-Maltese
- .397 Other European goats
- .398 Other goats
- 1 American goats
- 5 Asiatic goats
 Tibet (China), Angora (Persia), Syrian
- 54 India
 Kashmir (or shawl Tibet), Nepal (variety of Nubian), Surats, Tarh (shaggy brown Himalayan goat)
- 6 African goats
 Abyssinian (or Nubian), Guinea
- 62 Egypt
 Egyptian (or Nile), Theban, Zazaibi

AGRICULTURE

636.4 Swine

May be divided like 636.081-.089, but for utilization use .41

- .41 Uses
 - Subdivide like 635.083. See note above
- .42 English breeds
 - .421 Small black breeds
 - Use also for small breeds in general
 - 1 Essex
 - 2 Sussex
 - 3 Suffolk
 - .422 Small white breeds
 - 1 Windsor
 - 2 Small Yorkshire
 - 3 Coleshill
 - .424 Large white breeds
 - 1 Yorkshire
 - 2 Lancashire
 - 3 Cumberland
 - 4 New Leicester
 - 5 Lincolnshire
 - 6 Suffolk
 - .426 Medium colored breeds
 - Use also for medium breeds in general
 - 1 Black Berkshire
 - 2 Red Tamworth
 - 3 Red Berkshire
 - .427 Medium white breeds
 - 1 Middle Yorkshire
 - 3 " Suffolk
- .43 German and Dutch breeds
 - .431 Lowland breeds Southern Germany
 - Use this also as general number for short-ear swine
 - Bavarian Franconian Halle Suabian
 - Düsseltaler Gianschwein Luzern Wurtemberg
 - .432 Hungarian short ear
 - Carpathian, Bergschlag
 - Bakonyer or Bakouner
 - Szalontaer
 - .433 Western and Northern Germany
 - Use this also as general number for large-ear. Large Polish, Meissner
 - .434 German marsh swine, large ear
 - Danish islands Holland Mecklenburg Schleswig-Holstein
 - Hanover Jutland Oldenburg Westphalia

DECIMAL CLASSIFICATION

- 636.44 French
 - .441 Large-ear French Celtic breed
 - Northeastern France
 - Champagne
 - .443 Northwestern France
 - Breton
 - Norman Augeronne
 - Craonnaise
 - Mancelle
 - Angevin
 - .445 Southwestern France Spanish origin
 - French Perigord
 - Quercy
 - Limousin
 - Gasconne
 - Béarnaise
 - .447 Southeastern France
 - Provence
 - Roussillon
 - Languedoc
 - Bressane
 - .449 Swiss
 - Grison Bündener
 - .45 Italian, Neapolitan, Maltese, Tuscon, Romagnole
 - .46 Spanish and Portuguese
 - .47 Other European
 - .471 Curly bristles Southeastern Europe
 - .472 Serbian Syrmian
 - Mongolicza or Mangalicza
 - Curly-bristle Hungarian
 - Milos
 - Sumadia or Obrenovics
 - .473 Croatian
 - .474 Rumanian, Moldavian
 - Anatolian
 - Albanian
 - .475 Russian
 - .48 Other countries
 - .481 American breeds
 - .482 Poland-China
 - .483 Red Jersey or Duroc-Jersey
 - .484
 - .485 Asiatic: Chinese, Tonkin, Siamese
 - .486 Africa
 - Cape breeds, Sennaar, Guinea
 - .489 Oceania
 - Papuan

AGRICULTURE

636.5 Poultry

May be divided like 636.081-.089, but for utilisation use .51

- .51 Uses
 - Subdivide like 636.088; e. g. 636.513 Capon. See note above
- .52 English breeds
 - .521 Dorking
 - .522 Sussex or Surrey
 - .523 Kent
 - .524 Orpington
 - .525 Redcap
 - .526 Other English
 - Lincolnshire buffs
 - .527 Scotch grays
 - .528 Other Scotch
 - Scotch, bokies or dumpies Jumpers Dumbartonshire
- .53 German and Dutch breeds
 - .531 Hamburg
 - .532 Lakenfelder
 - .533 Ramelsloher
 - .536 Styrian
 - .537 Bohemian
 - .538 Other
 - East Friesian, Westphalian, Thuringian, Alsatian, Nassau, Augsburg, etc
 - Magyar
- .54 French and Belgian breeds
 - .541 Crèvecoeur
 - .542 Houdan
 - .543 La Flèche Le Mans Caux
 - .544 La Bresse, Louhans, Bourg, Bourbourg, Barbézieux, Coussade, Courtes-pattes
 - .545 Faverolles
 - .546 Gournay, Pavilly, Caumont
 - .547 Other
 - Coucou, French cuckoo, Mantes, Estaires
 - .548 Belgian breeds
 - Campenes or Campines, or Brackel; Brabant. Huttegen
 - Bredes or Guelders or Guelderlands. Coucou de Malines. Bruges
- .55 Italian breeds
 - Use also as general number for Mediterranean breeds
 - .551 Leghorn
 - .552 Paduan or Polish (in England)
 - Also called Pompadour, Padouse, Polanders
 - .553 Polverara
 - .554 Ancona

DECIMAL CLASSIFICATION

- 636.56 Spanish breeds
 - .561 Castilian
 - .562 Minorcan
 - .563 Black Spanish
 - .564 Blue Andalusian
 - .565 Prat
 - .57 Other European
 - .571 Pavloff (Russian)
 - .572 Siberian fetherfooted
 - .573 Sultans
 - .58 Other countries
 - .581 American breeds
 - 1 Dominican, Dominique, Dominiker
 - 2 Jersey blue
 - 3 Bucks county
 - 4 Java
 - 5 Buckeye
 - 6 Winnebago
 - .582 Plymouth rock
 - .583 Wyandotte
 - .584 Rhode Island red
 - .585 Asiatic breeds
 - 1 Cochin China Shanghai
 - 2 Brahma Brahma, Gray Chittagong
 - 3 Langshan
 - 4 Malay
 - 7 Japanese fowls
 - White Yokohama
 - Phoenix
 - .587 Special varieties
 - 1 Bantams
 - 11 Common
 - 12 Game
 - 13 Polish
 - 14 Asiatic
 - 15 Japanese
 - .588 Other
 - 1 Game
 - 11 Azeel or Aseel
 - 12 English game
 - 13 Sebright (a bantam only)
 - 14 Cornish Indian, or Indian (in England), or Cornish (in America)
 - 15 Malay
 - 2 Deformed
 - Rumpless or tailless or Wallikiki; Turkey necks, naked necks, Gillikins, nude
 - 3 Silkies
 - 4 Frizzles

AGRICULTURE

636.59	Other fowls
.592	Turkey
1	Original species
11	American, or N. American 'original' or wild turkey (meleagris Americana)
12	Mexican wild turkey (meleagris Mexicana)
13	Honduras wild turkey (meleagris ocellata)
14	Crested turkey
2	Bronze
	English Cambridge turkey
3	Narragansett
4	Buff
5	Slate or Austrian whites (in England)
6	White, or White Holland (in America)
7	Black, or Norfolk or black Norfolk (in England)
8	Bourbon red, or Bourbon butternut, or Kentucky red
.593	Guinea fowl
.594	Fezant
.595	Peacock
.596	Pigeons
1	High class fancy pigeons
11	Pouters
12	English carrier
13	Runt
14	Barb
15	Shortface tumbler
2	High class toy pigeons
21	Fantail
22	Owls
23	Turbits
24	Frilbacks
25	Jacobins
26	Trumpeters
27	Scandaroons
28	Florentine amalgamated, Hen
31	Dragoon, Horseman
32	Priests
33	Brunswick
34	Oriental frils
35	Homers, white homing, Antwerp
4	
5	Other toy pigeons

DECIMAL CLASSIFICATION

- 636.597 .. Ducks
 - 2 English breeds
 - 21 Aylesbury
 - 22 Indian runner
 - 23 Blue Swedish
 - 4 French breeds
 - Rouen, colored Rouen, also called Rhone and Roan
 - 8 Other countries
 - 81 American
 - 82 Cayuga, black Cayuga
 - Also called Big black and Lake duck
 - 83 Muscovy
 - Colored Muscovy, Musk duck, white Muscovy
 - 85 Asiatic: Pekin, white Pekin
 - By Chinese called Mandarin
- .598 Goose
 - 3 German: Emden, white Emden
 - 4 French: Toulouse, gray Toulouse
 - 7 Sebastopol
 - 8 Other countries
 - 81 Wild or Canadian Gray wild
 - 85 Chinese: white, brown
 - 86 African
 - Also called Indian, gray African and Guinea
 - 87 Egyptian Colored Egyptian
 - 89 Spurwing (Australia)
- .6 Birds
 - For poultry see 636.5. Here are class domesticated birds useful for plumage or work, and pet birds
 - .61 Birds useful for their feathers
 - For geese see 636.598
 - .611 Ostriches
 - .62
 - .68 Song and ornamental birds
 - .681 Swan
 - .686 Cage and aviary birds
 - .7 Dogs
 - May be subdivided like 636.081—.089, but for uses see 636.72—.765
 - .71 Breeds
 - .72 Utility dogs
 - .73 Draft and other work dogs
 - .74 Watch dogs, herd dogs
 - .75 Hunting and sleuth dogs Carrier dogs
 - .76 Pet dogs
 - .765 Toy dogs
 - .77 Dogs in art
 - See also 758 Animal painting
 - .78 Dogs in literature
 - Essays, stories, biography, etc.
 - .79 Other topics

AGRICULTURE

- 636.8 **Cats**
 .81 Breeds
 .87 Cats in art See also 758 Animal painting
 .88 Cats in literature
 Essays, stories, etc.
 .9 Other: rabbits, guinea pigs, elephants, etc.

637 Dairy and dairy products

- .1 **Milk**
 .11 Economics
 .113 Dairy farms
 Description of individual farms
 .116 Finances and accounts
 .117 Expenses
 .118 Returns
 .1185 Sale price
 .12 Production and composition
 .121 Choice of dairy cows
 .122 Special food
 .124 Milking
 Milk pails, milk stools, milking tube
 .125 Artificial milkers
 .127 Composition of milk
 1 Fat
 2 Lactose, milk sugar, lactin; galactin
 3 Casein
 6 Milk testing
 Creamometer Lactobutyrometer Lactodensimeter Lactoscope
 Galactometer Lactocrite Lactometer Percent tube
 7 Milk analysis
 .13 Care of milk
 .131 Buildings, dairies
 .132 Installation, apparatus
 1 Refrigerating apparatus, milk cooler
 2 Heating apparatus
 3 Pasteurizers
 7 Receptacles Storage Milk pans
 .133 Preservation
 1 Chilling
 2 Heating
 3 Pasteurizing
 .135 Transportation and sale of milk
 Milk cars, milk wagons, bottles, cans

DECIMAL CLASSIFICATION

637.14	Utilization	Consumption		
.141	Whole milk			
.142	Condensd milk			
.143	Milk powder			
.144	" farina			
.145	" sugar			
.146	Fermented milk	Kumis		
.147	Skim milk			
.148	Cream			
.16	Accidents	Alterations	Diseases	Impurities Adulterations
.17	Milk other than cow's milk			
.171	Mare's milk			
.172	Ass's "			
.173	Ewe's "			
.174	Goat's "			
.18	Substitutes for milk			
.181	Vegetable milks			
.2	Butter			
.21	Economics			
.216	Finances and accounts			
.217	Expenses			
.218	Returns			
.2185	Sale price			
.22	Composition			
.221	Character and properties of butter			
.222	Constituents of butter			
.223	Grades of butter			
.225	Butter testing			
.227	" analysis			
.23	Preparation of butter			
.231	Buildings	Creameries	Butter factories	
.232	Installation, apparatus			
1	Separators			
11	Skimmer			
12				
13				
14	Centrifugal separators			
2	Churns			
3	Washers			
4	Workers			
8	Presses, molds, stamps, etc.			

AGRICULTURE

- 637.233 Butter making
 - 1 Separating cream
 - 2 Churning
 - 3 Washing
 - 4 Working
 - 5 Salting
 - 6 Pasteurization
 - 7 Ripening
- .235 Transportation and packing
 - 1 Methods of packing Receptacles
- .24 Utilization Consumption
 - Including residues
- .247 Buttermilk
- .26 Alterations Diseases Impurities Adulterations
- .27 Renovation
- .28 Substitutes for butter
- .281 Oleomargarin
- .282 Butterin
- .3 Cheese
 - .31 Economics
 - .316 Finances and accounts
 - .317 Expenses
 - .318 Returns
 - 5 Sale prices
- .32 Character and composition
 - .321 Character and properties
 - .322 Constituents
 - .323 Grades of cheese
 - .325 Cheese testing
 - .327 Cheese analysis
- .33 Cheese manufacture
 - .331 Cheese factories
 - .332 Installation, apparatus
 - 1 Borlen
 - 2 Curd mills
 - 3 Presses
- .333 Cheesemaking
 - 1 Curdling Rennet
 - 2 Refining
 - 3 Pressing
 - 4 Heating
 - 8 Putting in molds
- .335 Transport, packing, etc.
 - 1 Packing
 - 2 Storage

DECIMAL CLASSIFICATION

- 637.34 Utilization Consumption
Including by-products
- .345 Milk sugar
 - .347 Whey butter
 - .35 Varieties
 - .351 Rennet cheese from cow's milk
 - .352 Soft cheese, fresh, unripened.
 - .353 " " ripened
 - 2 English
 - 3 German: Limburger
 - 4 French: Brie, Camembert, Neufchatel
 - 5 Italian: Gorgonzola
 - .354 Hard cheese
 - 2 English: Cheshire, Cheddar, Sage, Stilton
 - 3 German, Swiss, etc.: Emmental, Edam
 - 4 French: Gruyère, Gex
 - 5 Italian: Parmesan
 - 6
 - 7 Other European
 - .355 Rennet cheese from other than cow's milk
 - 1 From sheep's milk: Roquefort, Texel
 - 2 " goat's "
 - 3 " reindeer "
 - 4 " buffalo "
 - .356 Sourmilk cheese from cow's milk
Cottage cheese, Dutch cheese, pot cheese, smear-case
 - .357 Sourmilk cheese from other than cow's milk
- 638 Bees, silkworms, etc.
Insects whose products are useful for food or manufactures
- .1 Bees, honey, wax
 - .2 Silkworms
 - .3 Cochineal
- 639 Hunting, trapping, fish culture, etc.
See also 799 for sporting side
- .1 Hunting, trapping, game preserves, etc.
Fox, skunk, etc. farms
 - .2 Fishing as an occupation
 - .3 Fish culture Pisciculture
Including turtle, terrapin, frogs
 - .4 Oysters and other mollusks Shelffish
Oyster, clam, mussel, snail, pearl-fishing, scallop, quohog, cockle, winkle, periwinkle
 - .5 Crustaceans
Lobsters, crabs, crawfish, shrimps, prawns
 - .6 Other sea food
Sea urchin, echinus
 - .7
 - .8 Leeches

640 Domestic economy

Public as well as private household administration covering work of housekeeper, matron, steward, janitor, etc. in hotels, clubs, apartments, boarding houses, schools, restaurants, factories, offices and other commercial buildings, churches, theaters, railway stations, ships and other public gathering places.

For economics of consumption, including standards of living, see 339; for care of library buildings see 025.9. Numbers for allied subjects in army and navy will be provided under military and naval science. See also 331.83 Food, clothes and shelter of laboring classes

SUMMARY

- 641 Food, cookery
- 642 Serving, entertaining
- 643 Shelter, house, home
- 644 Heat, light, ventilation
- 645 Furniture, furnishings Decoration
- 646 Clothing, toilet
- 647 Administration, household management
- 648 Sanitary precautions, cleaning
- 649 Nursery, sickroom

- .1 Theories, utility, etc. .4 Essays
- .2 Compendis .5 Periodicals
- .3 Dictionaries, cyclopedias .6 Societies
- .7 Study and teaching
- Schools of housekeeping, experiment stations. Investigations of home conditions. For cooking schools see 641.07
- .71 Schools and experiment stations
- See 630.7 Agricultural schools, farmers institutes; 630.6 Farmers associations, granges, etc; 371.42 Manual training courses; 371.6764 Laboratory equipment for home economics courses; 375.64 Place in curriculum; educational values. 640.711-.74 may be used for keeping all phases of the subject in 640
- .711 College and university courses and departments
- Schools of college grade
- .712 Secondary courses; high school
- .713 Elementary courses; below high school
- .714 Extension work
- Courses for special needs: women's clubs, farmers' wives, etc.
- .72 Research work: experiment stations, graduate courses
- For Sage foundation see 306
- .73 Normal courses, teachers institutes, etc.
- .74 Exhibits Museums
- .9 History

641 Food Cookery

For physiology of nutrition, see 612.39; for dietetics and dietary standards, 613.2; for food values, 641.1

- .01 Gastronomy Epicurism
- Pleasures of eating, esthetics of cookery, epicures (gourmets). For gluttony, see 178.91 and 613.25
- .02 Compendis
- .03 Dictionaries, cyclopedias
- .04 Essays, addresses, lectures
- .05 Periodicals
- .06 Societies
- .07 Study and teaching Cooking schools, classes and clubs
- .08 Polygraphy
- .09 History and description
- Divided like 930-999. Including foods characteristic of different peoples, but for preparation of specific dishes (i. e. recipes) peculiar to special countries see 641.59

DECIMAL CLASSIFICATION

- 641.1 Food chemically considered Food values Tables**
 For methods of chemical analysis see 543.1; for adulterations see 614.3; for commercial preparation or manufacture see 664; for physiology of nutrition see 612.39; for dietetics see 613.2
 612.39 treats of physiologic effect of different kinds and quantities of foods from purely scientific point of view, without regard to benefit or injury
 613.2 treats of food requirements in special conditions of age or disease and of the beneficial or injurious effects of different kinds of foods
 641.1 translates scientific facts into familiar terms for cook and housekeeper, treats of the required amount of the different constituents and their proportion as found in various foods
- .11 **Organic food constituents**
- .12 **Proteids or nitrogenous foods**
 Meat, eggs, nuts, legumes, etc. See also 612.398
- .13 **Carbohydrates or nonnitrogenous foods**
 Vegetables, cereals, fruits, sugar See also 612.396
- .14 **Fats, oils**
 See also 612.397
- .15 **Inorganic food constituents**
- .16 **Water**
- .17 **Salts, mineral or ash constituents**
- .3 **Animal and vegetable foods**
 Class here also works dealing both with food material and its preparation
 Subdivided like 630 e.g. 641.33, Cereals, 641.34 Fruits
- .31 **Prices Relativ cost**
 Quality and other factors in buying for table
- .4 **Food preservation Markets**
 Subdivide like 664 (not yet completed)
 For commercial methods see Chemic technology 664.8-.9; for transportation see 656 (subdivision not completed)
- .5 **Cookery Cook books**
 General recipes, specific directions, in whatever form (books, cards, etc) for preparing food
 Distinction between 612.39, 613.2 and 641.5: in 641.5 class cook books and collections of recipes in which physiologic and hygienic effects of foods (if treated at all) are secondary; in 613.2 class dietaries and selection and preparation of food for special systemic conditions, with recipes subsidiary or with recipes and diet about evenly balanced; in 612.39 class the scientific study of physiologic effects of various foods, regardless of benefit or injury
 See also 641.59 Recipes peculiar to special countries; 641.6 Cookery of specific substances; 641.7 Cookery by specific processes; 641.8 Composit dishes, ices, confectionery, beverages
- .52 **Brekfast**
- .53 **Luncheon, afternoon tea, supper**
- .54 **Dinner**
- .55 **Economic cookery**
- .56 **Special conditions**
 Under limitations of age, helth, ethical or religious theories, etc
- .562 **Children**
- .563 **Invalids and aged Hospital cookery**
- .564 **Ethical limitations**
- .565 **Religious limitations**
- .566 **Seasons and days: Lent, fast days, etc.**
- .567 **Cults: Jews, Buddhists, etc.**

DOMESTIC ECONOMY

- 641.57 Special situations
Adaptation to large numbers, large variety, and limitations of time, place
or appliances
- .572 Hotel and restaurant cooking
- .573 Army and navy cooking
See also 355
- .574 Shipboard cooking
Exclusiv of navy
- .575 Camp and travel cooking
- .576 Railway dining and buffet cars
- .577 Itinerant companies; circuses, etc.
Methods of feeding large numbers en route or in temporary shelters
- .578 Camp cooking
- .58 Special utensils or fuels
- .583 Cooking by oil
Including oil and gas together
- .584 Cooking by gas
- .585 Cooking by alcohol Chafing dish recipes
- .586 Cooking by electricity
- .587 Cooking by apparatus heated by steam or hot water
- .588 Cooking by slowly applied heat
Aladdin ovens, fireless cookers
- .59 Cookery of special countries
Class here descriptions of national cookery or recipes for dishes character-
istic of special countries or regions
- .591 Frigid zone and cold wether
- .592 Tropics and hot wether
Divide farther like 930-999, using these numbers preferably only for
reference and shelving books under 641.5-.578
- .6 Cookery; clast by material
Subdivide like 641.3
- .7 Cookery; clast by process
- .71 Baking, roasting
- .72 Braising
- .73 Boiling, simmering Soups
- .74 Stewing
- .75 Steaming
- .76 Broiling, grilling
- .77 Frying, sautering
- .8 Composit dishes
Ices, confectionery, beverages, etc. See also 641.53 Luncheon, afternoon tea,
supper
- .81
- .82 Entrées Made dishes
- .83 Salads
- .84 Sandwiches
- .85 Confectionery, candies, sweets, bonbons
- .86 Ices: ice cream, sherbet, water ices, etc.
- .87 Beverages Soft drinks
See also 663 Manufacture of beverages; 663.8 Bartenders manuals. mixing
drinks; 613.3 Hygiene of beverages

642 Serving Table Entertaining

See also 395 Etiquet

- .1 **Home and family meals**
Breakfast, lunch, dinner, supper. Menus and servis
For tables of chemic constituents and calories see 641.1
- .2 **Refreshments**
Afternoon tea, sandwiches, ices, soft drinks
- .3 **Camp, picnic and travel lunches**
Lists of supplies; suitable food and dishes; packing and accessories. For
recipes see 641.53; for camp cookery see 641.578
- .4 **Entertaining**
 - .41 **Private entertainments**
 - .42 **Small numbers**
Luncheons, dinners, etc.
 - .43 **Large numbers**
Receptions, balls, garden parties, etc.
 - .45 **Public entertainments**
Banquets, dinners, clambakes, etc. For history of banquets, eating, etc.
see 394.1 under Public and social customs. For dining room see 643.4
 - .48 **Toasts Table anecdotes and conversation**
See also table talk in literary miscellany
- .5 **Table systems for large numbers**
 - .51 **Table d'hôte**
 - .52 **American plan**
 - .53 **European plan, à la carte**
 - .54 **Club: choice of combinations**
 - .55 **Harvard Memorial hall plan**
Harvard university plan of a fixt charge for essentials, and coupons
(alimentary milage) for extras
 - .56 **Mixt plan**
Table d'hôte and à la carte; table d'hôte and club
 - .57 **Lunch counters Cafeteria**
 - .58 **School lunch rooms**
Management, prices, rules for payment, suitable food, freedom of choice, etc
See also 371.716 School meals
- .6 **Serving Carving**
Directions for setting table, changing courses, etc.
- .7 **Table furnishings**
Linen, china, glass, plate, etc. Preferably clast here, tho possible to be con-
siderd part of 645.66 Dining room furnishings
- .8 **Table decoration**
Selection and effectiv arrangement of flowers, colors, lights, centerpieces etc.

643 Shelter: house, home

For types of houses and plans see 725, 727 and 728; for materials and construction see 690; for heating and ventilation see 628.8, 644 and 697; for lighting, 628.9 and 644.3; for plumbing and gasfitting see 696; for furnishing see 645

.1 Location, site

Social and religious character of neighborhood; accessibility, railways, tramways, etc; nearness to churches, schools, markets, etc. Property increasing or decreasing in value

For hygiene of soil and grounds (city, village or country) see 614.77; for Sanitation, water supply and drainage see 628

.2 Plan

Requirements of house for convenient and economic administration; relative situation and intercommunication of rooms, amount and direction of light, etc. Special rooms: kitchen, dining room, baths, etc. For detached rooms and buildings see 728.9; for furnishing see 645; for architectural aspect of structural parts of house (foundation, floors, walls, etc.) see 721; for wall finish see 729.31

.3 Kitchen and its equipment

.31 Plan: situation and arrangement

Relation to rest of house. Housekeeper's requirements as guide to architect. Light. For plans see 728 Residences, and 728.93 Detached kitchens

.32 Ventilation

Carrying off odors, etc.

.33 Stoves, ranges, cookers, hot tables, fuels

See also 641.58 Cooking by special utensils or fuels

.331 Fireplaces, open fires: turnspit, crane, etc.

.332 Coal and wood Stoves and ranges

.333 Oil and oil stoves

.334 Gas and gas stoves

Including natural gas and acetylene

.335 Alcohol and alcohol stoves Chafing dish

.336 Electricity and electric stoves

.337 Steam heated cooking appliances Steam tables

.338 Slow and fireless cookers

Aladdin oven, Norwegian haybox. See also 641.588

.34 Machinery and labor savers

.35 Utensils

.36 Pastry room

.37 Storeroom, larder Refrigerators

.38 Care of kitchen and accessory rooms

.39

.4 Dining room and adjuncts

.45 Serving room Butler's pantry

.47 Other pantries

.48 Cupboards

.5 Other special rooms

.52 Baths, lavatories, toilets

.57 Sun rooms, solariums: sleeping balconies, etc.

.58 Laundry

Place in house; for equipment see 648. See also 728.93 Detached laundries

.6 Labor savers

General: bells, telephones, tubes, lifts, chutes, door openers and closers, etc. See also special subjects; e.g. 648.52 Vacuum cleaners

.7 Repair

DECIMAL CLASSIFICATION

644 Heat Light Ventilation

.1 Systems of heating

*Desiderata, relativ advantages for household
For varieties of apparatus and installation see 697; for sanitary engineering
see 628.8*

.15 Fireplaces Family hearthstone

*Open fire as household institution; mental influence
Sanitary advantages. See also 749 Artistic fireplaces*

.19 Portable heaters: bedwarmers, warming pans, footwarmers

.2 Fuels

*Relativ cost; cleanliness; labor involved, e.g. hauling and carrying wood or coal
and removing ashes. Chimney sweeping*

.21 Wood

.22 Coal

.23 Oil, gasoline, etc.

.24 Gas

.26 Electricity

.3 Systems of lighting

*Fixtures, fittings, accessories. Class here general discussion covering fixtures
and medium, their relativ advantages, etc. For medium alone see 644.31; for
fixtures see 644.32*

.31 Lighting medium

See also Chemic technology 665

.311 Candles

.312 Oil

.313 Gas

.314 Acetylene

.315 Electricity

See also 621.32 Electric lighting

.319 Other

.32 Apparatus and accessories

Subdivide each, if wisht, like 644.31

.321 Hand lamps Candlesticks

.322 Lanterns

.323 Table, banquet and piano lamps

.324 Standards

.325 Wall lamps Sconces

.326 Chandeliers Ceiling fixtures

.5 Ventilation

*Most material belongs elsewhere; hygienic influence of air and light 613.1;
sanitary engineering 628.8; ventilating apparatus 697.9. For advantages of
fireplaces see 644.15*

645 Furniture, carpets, upholstery Decoration

For plan and furnishing treated together see 643
 See also hygiene 613.59; architectural decoration 729; design 745; artistic furniture 749; manufactures of cotton, wool, etc. 677

- .1 **Floor coverings: carpets, rugs**
- .2 **Wall coverings**
- .3 **Window and door furnishings**
 Screens, shades, awnings, draperies, wether strips
- .4 **General furniture**
 See also 645.6 Furnishings for special rooms
 - .41 **Chairs** **Footstools**
 - .42 **Couches** **Settees**
 - .43 **Tables**
 - .44 **Desks**
 - .47 **Cushions, pillows, etc.**
 - .48 **Linen**
 Removable furniture covers, centerpieces, etc. See also 642.7 Table furnishings; 645.67 Bedroom furnishings
 - .49 **Other**
- .5 **Ornaments**
 Clocks, vases, pictures, statuary, etc. See also 739 Bronzes, brasses, bricabrac
- .6 **Special rooms**
 For kitchen see 643.3; for laundry see 648
 - .61 **Hall and stairs**
 Hatracks, umbrella stands, etc.
 - .62 **Drawing room** **Reception room** **Parlor**
 - .63 **Library**
 - .64 **Study or offis**
 - .65 **Living room**
 Class here furnishings of room used as combined reception room, library and living room
 - .66 **Dining room**
 For table equipment and decoration see 642.7-.8
 - .67 **Bedrooms and nursery**
 Sleeping balconies, open air bedrooms Beds and bedding, linen, etc. For nursery see also 649
 - .68 **Bathrooms** **Lavatories** **Toilets**
 Fittings and supplies. See also 646.7 Bathing
 - .69 **Other rooms**
 Music, billiard and ball rooms, picture gallery, servants rooms, cellar, attic
- .8 **Outdoor space**
 Verandas, balconies, roof gardens
 For sleeping balconies see 645.67. See also 712 Private grounds; 717 Arbors, seats, outlooks

646 Clothing Toilet

See also ethics of dress, display 177.4; ecclesiastic costume 247.7; clothing as related to economics of laboring classes 331.83; bleaching and dyeing 667.1-.3; academic costume 378.29; history of costume 391; clothesmaking 687; hygiene of clothing 613.48; adulteration of textiles 614.37; for uniforms and liveries see occupations to which they pertain

- .01 Psychology and economics of fashions
 - Reasons for change of fashions; expense of fashionable dressing
- .02 Compendis
- .03 Dictionaries, cyclopedias
- .04 Essays, lectures, addresses
- .05 Periodicals
- .06 Societies Dress reform societies
- .07 Study and teaching
- .08 Polygrafy
- .09 Adaptation to climate or season
- .091 Clothing for cold wether and frigid zones
- .092 " " hot " " tropics
- .1 **Materials Textils and fibers**
 - With reference to domestic use, or domestic use and hygiene combined. For hygiene of materials see 613.481; for general works on textils and fibers see 677 Manufacture of textils
 - .11 Cotton
 - .12 Linen Flax Hemp
 - .13 Wool Mohair, alpaca, camel's hair, rabbit's hair, etc.
 - .14 Silk
 - .15 Lether
 - .16 Fur
 - .17 Other animal materials: fethers, hair, whalebone
 - .18 Other vegetable materials
 - .181 Rubber
 - .182 Paper
 - .183 Celluloid
 - .184
 - .185 Straw Raffia
 - .186 Other fibers: jute
 - .19 Other materials Tinsel, aluminum, asbestos, etc.
- .2 **Sewing Knitting Crochet**
 - For fancywork see 746
 - .21 Plain sewing
 - Running, backstitching, hemming, overhanding, etc.
 - .24 Mending Darning
 - .26 Knitting and crochet Tatting
 - For machineknit goods see 677
 - .27 Crochet
- .3 **Clothing divided by wearers**
 - Class here trade catalogs; e.g. Liliputian bazar catalog 646.36
 - See also 391 Costume; 687 Clothesmaking as a trade
 - .32 Clothing for men
 - .34 " " women
 - .36 " " children

DOMESTIC ECONOMY

646.4 Clothing divided by purpose

Including directions to amateurs for cutting and making, economic use of material, suitability of material for purpose, adaptation of style to material and purpose, choice of color, etc. For limitation to special kinds of garments see subdivisions below; e.g. patterns or catalogs of underwear 646.42 Subdivisions .42-.48 may be farther divided by 2 Men, 4 Women, 6 Children

- .42 Underwear
- .43 Outer house garments
 - Gowns or dresses, coats, trousers, etc.
- .45 Outdoor garments
 - Cloaks, coats, overcoats, shawls, sweaters, etc. See also 646.5 Hedgear, millinery; 646.48 Accessories: gloves, mufflers, etc.
- .46 Outer footwear
 - For hose see 646.42
- .47 Garments for special purposes
 - Negligée, lounging or smoking, yachting, bathing, hunting, riding, etc.
- .48 Accessories
 - Neckties, collars, cuffs, belts, aprons, caps, handkerchiefs, gloves, mufflers, garnitures, etc.
 - For outdoor hedgear see 646.5
- .5 **Millinery Outdoor hedgear**
 - See 687 Millinery as a business
- .52 Hats, caps, etc. for men
- .54 Hats and bonnets for women
- .55 Other outdoor hedgear for women
 - Hoods, scarfs, etc.
- .56 Hedgear for children
- .57 For boys
- .58 " girls
- .6 **Cleaning Drycleaning**
 - For laundry see 648.1
- .7 **Toilet Cosmetics Bathing**
 - Care of hair, nails, teeth, etc.
 - For historic customs see 391.5-.6. See also hygiene, 613.4 care of body

647 Household organization and administration

- .1 **Household accounts; finances, cost**
 - See also bookkeeping 657
- .2 **Personnel**
 - Intelligence office, employment bureau
 - Class here regular employees or assistants; for occasional employees see 647.29.
 - For ethical considerations, see 173.8. See also political economy, 331 Labor and wages
- .21 **Manager**
 - Superintendent, housekeeper, steward. See also 640.8
- .22 **Male employees**
- .23 **Female** "
- .24 **Foren** "
 - Races and nationalities: orientals, negroes, etc.

DECIMAL CLASSIFICATION

- 647.25 **Indoor servis**
Cook, butler, waitress, parlor maid, lady's maid, chambermaid, nurse, laundress, furnaceman, etc. For housekeeper, steward, etc. see 647.21; for outdoor servis see 647.3
- .29 **Other employees**
Emergency help, household registers
- .3 **Servis outside the house**
Coachman, gardener, laborers
- .6 **Wages Hours Duties**
- .9 **Cooperativ and collectiv housekeeping**
Hotels, clubs, apartments, commercial bildings, churches and other public and semipublic establishments or rooms
See also 692.9 Bilding laws; 728 Residence architecture
- .91 **Tenements**
See also 728.1 Tenement house architecture; 331.83 Housing of laboring classes, including tenement house laws; 613.53 Hygiene of tenements
- .92 **Apartments, flats**
See also 728.2 Apartment house architecture
- .93 **Cooperativ housekeeping**
See also 334.4 for economic aspect
- .94 **Hotels Clubs**
See also 728.4 Clubhouse architecture; 728.5 Hotel architecture
- .95 **Restaurants, tea rooms, etc.**
See also 642.5 Table systems for large numbers
- .96 **Public bildings Institutions**
General administration and care affecting helth and convenience of occu-
rants and public; janitor's duties. May be subdivided if wisht like 725;
e.g. 647.962 Administration of offis bildings, or 647.9623 if so close
classification is preferd
See also 362 Hospitals, asylums, etc.; 365 Prisons
- .97 **Cottage systems**
- 648 **Sanitary precautions: laundry, cleaning**
 - .1 **Laundry Washing**
Private, cooperativ, public. For other processes of clothes cleaning see 646.6
Dry cleaning. For sanitary precautions see 648.5-.6; for pests see 648.7
 - .11 **Administration Accounts**
 - .12 **Marking**
 - .14 **Equipment**
Collectiv: specifications and cost. Class specific appliances with processes
to which they belong
 - .15 **Hand equipment**
 - .16 **Power** "
 - .18 **Supplies**
Soap, starch, bluing, powders, reagents
 - .2 **Washing**
Requirements of temperature, ingredients, etc. for different materials **Wash-**
ing directions
 - .22 **Washing by hand**
 - .23 " **machine**
 - .25 **Starching**
 - .27 **Bluing Tinting**

DOMESTIC ECONOMY

- 648.3 Drying Driers Extractors Wringers**
 Confined or open air Temperature Effect on dyes of freezing, etc.
- .4 Ironing**
- .42 By hand Sad irons**
 Electric and gas heated irons, etc.
- .43 By machine Collar and shirt machines, fluting irons, etc.**
- .45 Power machinery Mangle**
- .5 Cleaning and sanitation of house or bilding**
 See for sanitary engineering 628; for plumbing 696; for dry cleaning 646.6; for chimney sweeping 644.2
- .52 Sweeping and dusting**
 Floors, walls, moldings, furniture; implements, vacuum cleaners, etc.
- .54 Washing**
 Porcelain, glass, windows, mirrors, paint, including table ware, bricabrac and fixtures. For washing textiles see 648.2
- .55 Polishing**
 Silver, knobs, scutcheons, pipes and other metals
- .6 Disinfecting**
 Waste pipes, traps, etc. Household disinfectants. See also 649.8 Care of sickroom; and public helth, 614.48 Disinfecting apparatus
- .7 Pests; traps, poisons, insectifuges**
- 649 Nursery Sickroom**
 This provides for persons requiring special adjustment of household administration: children and invalids
- .1 Care of children**
 See also 136.7 Child study; 173.5 Duties of parents
- .2 Rooms Nursery**
- .3 Food**
 See also 613.22 Diet of infants; 641.5 Cookery for children
- .4 Clothing and care of body**
 See also 646.36 Children's clothing, outfit and making; 646.4 Clothing for various purposes; 613.4 Hygiene of bathing and clothing
- .5 Exercise Recreation**
 See also 613.7 Hygiene of recreation; 790 Amusements
- .55 Amusements: toys, dolls games**
- .6 Manners Habits**
 See also 173.6 Duties of children
- .7**
- .8 Care of invalids and the infirm Sickroom**

650 Communication Business

.01 Theory .02 Compenda .03 Dictionaries, cyclopedias .04 Essays,
addresses .05 Periodicals .06 Societies, conventions .07 Study and
teaching .08 Collections .09 History

651 Offis economy (tentativ scheme)

The following table is publiht tentativly, with a view to its recieving further criti-
cism before being finally incorporated in the Classification, and being therefore liable
to considerable change it has not been indext

In industries and mercantil business 651 represents the nonproductiv branch, overhed
charges. See 658 for productiv branch alone of manufacturing or mercantil concern

REFERENCES TO ALLIED SUBJECTS

029	Literary methods and laborsavers		
613.6	Hygiene of employment	648.5	Cleaning
.7	" recreation and sleep	.6	Disinfecting
628.6	Sanitation, house drainage	.7	Pests
.8	Ventilation and heating	696	Plumbing
.9	Lighting	697	Heating and ventilation (construction)

SUMMARY

Environment	.1	Space
	.2	Equipment
Structure	.3	Organization
Function	.4	Administration
	.5	Records
	.6	Special material
	.7	Correspondence

651.1 Offis bildings and rooms

See also 725 Public bildings (architecture)

- .11 **Location**
- Separate bildings; rooms in manufacturing bildings, in offis bildings, etc
- .12 **Site**
- With reference to space, air, light, soil, slope of ground, etc.
- .13 **Provision for growth**
- .14 **Arrangement**
- For economy of time and space; floor space, wall space
- .16 **Special rooms**
- Directors, trustees Typers
- Manager Lunch and conversation rooms
- Accountant Rest rooms
- Dictation Safety vaults, safes
- .19 **Safety**
- See 614.8
- .2 **Equipment**
- .22 **Fixtures**
- Partitions, counters, ledges, gates, stationary shelv:
- .23 **Furniture**
- .231 **Chairs, stools, settees**
- .232 **Tables**
- .233 **Desks**
- .234 **Revolving cases**
- .236 **File cabinets, vertical files**
- See also 651.54 Storage methods

OFFIS ECONOMY

- 651.24 **Furnishings and decoration**
Put here only material limited to offis. For other relations see Decoration in Relativ index
- .241 **Floor coverings**
Subdivided like 022.96
- .242 **Wall treatment: covering or finish, pictures**
- .243 **Window and door furnishings (shades, curtains, portières)**
- .26 **Mecanical appliances**
For general or common use or belonging to a centralized sistem; nonindividual; not limited to a special department
See also 652 Typers, duplicators, addressing machines, telautografs; 657 Protectografs, bookkeeping machines and machines for checks, handling money, etc.
- .262 **Oral communication: telefones (wall, desk, in booth)**
Offis requirements and accessories. Number, location
See for telephone business 654.6; for telephone engineering 621.385
- 5 **Local sistems: interphones**
- 8 **Speaking tubes**
- .263 **Dictating machines**
- .264 **Calculators, tabulators, statistical and adding machines**
See also 510.8
If closer classification is needed ad heds below:
1 Adding machines
11 Listing
Those devised primarily for adding, even tho capable of other processes (multiplying, dividing, subtracting) by special manipulation
12 Nonlisting
13 Tally counters
3 Approximate calculating devices
Based on logarithmic scale: slide rules, etc.
4 Exact calculating devices (mecanical)
5 Grafic or area calculators Planimeters
6 Statistical machines; e. g. sorting or tabulating: Hollerith
8 Tables, charts, special coordinate papers
- .265 **Numbering machines**
- .266 **Fastener, seal and other presses**
For multigraf and other duplicators see 652
- .267 **Mail and shipping room devices**
Letter and merchandise scales; folders, wrappers, etc.
- .268 **Lifts, carriers, pneumatic tubes, etc.**
Local, between desks or separate rooms of same offis
See also Engineering 621.86 Hoisting and conveying machinery; 621.59 for construction and 654.8 for operation and sistems of pneumatic tubes
- .269 **Other mecanical devices**
- .3 **Organization**
See also 347.7 Commercial law, for legal rights and restrictions; 380 Commerce and communication, for relations of corporations to state and public; 658.1 for financial organization of a business enterprise
- .32 **Work**
Branches, departments, divisions, sections, etc.
- .321 **Planning department**

DECIMAL CLASSIFICATION

- 651.34 **Workers**
 * Offis alone and those common to both offis and productiv branch. See 658.4 for those having to do with productiv branch alone. May, if desired, be farther divided like 658.434. Topics covered by 651.34 and also by 651.37 ar clast in 651.37
- .37 **Grades** **Titles and duties**
- .372 **Officers: executiv, director**
 Hed of enterprise
- .373 **Staf: department, division and section heds**
- 5 **Understudies, deputies**
- .374 **Employees, routine workers**
- 2 **Bookkeepers**
- 3 **Clerks, stenografers, typists**
- 4 **Telephone operators, etc.**
- 6 **Pages, messengers, runners**
- 7 **Janitor force, laborers**
- 8 **Apprentises, volunteers**
 Not on payroll
- .38 **Pay: salaries, wages, pensions**
 Offis notes and discussions affecting the individual staf. For general discussion see economics, 331.2 Remuneration for work
 If wisht, 651.38 may be subdivided like 331.2; e. g. 651.382 Wage scales; 651.3825 Extra pay: bonuses, bounties, etc.; 651.384 Profit sharing; 651.385 Pensions (subdividing stil farther like 651.37 if necessary)
- .4 **Administration**
 Offis efficiency; i. e. ratio of work accomplisht to expenditure of time, effort, material (goods, money, space)
- .41 **Time**
- .412 **Disposal of time**
 By those above routine grades: offisers and staf
 Regular engagements: monthly, weekly, daily
 Public hours: for business callers, appointments; telephone vs personal interview. Private hours: interruptions only for urgency
- .42 **Amount of servis**
 Divide like 023.6
- .43 **General requirements** **Staf rules**
- .431 **Conversation**
- .432 **Personal calls or work**
- .433 **Solicitng money, subscriptions, contributions**
- .434 **Respect and care for property**
- .435 **Personal appearance, dress, uniforms**
- .436 **Curtesy** **Indifference**
- .437
- .438 **Staf meetings** **Relations to hed**
- .45 **Methods of increasing effectivness**
 Stimulation of effort
 For moton study see 658.642; for organization of work see 651.32
- .451 **Variety of work vs monotony**
- .452 **Labor savers**
 Business view, advantage to employer; for personal view see 029.2.
 See also 651.26 Mechanical appliances; 651.465 Fittings, and 651.466 Supplies

OFFIS ECONOMY

- 651.453 **Methods, routines**
Principles; e. g. cart not to be put before horse. For general discussion of value of methods see 329.1. Clas routine for each kind of work under its number; but here may be put chief's reference file of routines, subdivided by clas number or alfabeted by subject
- .455 **Training of new appointees**
- .456 **Information or 'front' desk 'Plant' messenger servis**
Sistematic collection and distribution of intraplant communications and small articles. Discussion as administrativ economies. For place in organization see 651.32
- .457 **Mail and express routine**
Receiving. Distributing: opening and dating. Collecting. Sending
For place of this section in the organization see 651.32
- .46 **Material**
Fittings and supplies considered together. Use of bargain catalogs
- .461 **Quality**
Economies in adapting to purpose; e. g. extravagance of expensiv cloth envelops for cheap printed circulars
- .462 **Quantity**
Quantity discounts, advantage of buying in bulk insted of in packages, etc.
- .463 **Sizes**
See also 029.1 Standard sizes
- .464 **Use, care of stock, stock closets or room**
Times (days and hours). Requisition routine
- .465 **Fittings**
Distinguisht by capacity for repeated or long wear from supplies, which ar consumed in using; i. e. inkstands ar fittings; inks ar supplies
History and discussion of writing materials is in 652. Enumeration below is for offis memoranda of source of supply, prices, kind and quantity to be kept on hand, etc.
- 1 **Cutting:** shears, knives, pencil sharpeners, paper cutters, letter openers, punches
- 2 **Fastening, wrapping:** clips, pins, rings, binders, mucilage bottles, etc.
- 3 **Writing:** inkstands, penholders, fountain pens, rubber stamps, ink pads, steel erasers
- 4 **Drawing and mesuring:** compasses, d'viders, rulers, straight-edges; scales, balances
- 5 **Calculating:** tables, charts; interest, amortization, index numbers, wage tables, etc. See also 510.8
- 6 **Holding:** racks, coin trays, sponge cups, boxes
- 8 **Memoranda:** ticklers, card trays, guides, spindle files, etc.
- 9 **Other:** brushes, pliers, perpetual kalendars (wall or desk) etc.
- .466 **Supplies**
Perishing with use; see note to 651.465
- 2 **Fastening:** mucilage, glue, adhesiv clips, rubber bands
- 3 **Writing:** paper, pencils, steel pens, ink, blotters, rubber erasers
- 7 **Labeling:** tags, gumd labels, letters and figures
- 8 **Memoranda:** kalendars, notebooks
- 9 **Other:** blanks
- .47 **Inventories**
- .472 **Frequency and times**
- .473 **Forms**
- .474 **Perpetual, automatic**

DECIMAL CLASSIFICATION

- .5 Records Files and filing**
 - Matter, form, treatment
 - .51 Form**
 - .512 Book**
 - .513 Card sistem**
 - 2 Cards**
 - 5 Sheets, loose leaves Looseleaf books**
 - For publication in looseleaf form see 655.53
 - 8 Strips (clocks, adding machines, etc.)**
 - .52 Mode of production**
 - .522 Hand written**
 - .523 Machine "**
 - .525 Automatic: e. g. clock records**
 - .53 Arrangement, classification**
 - .531 Bases: department, subject, function, person, priority, importance**
 - .533 Systems**
 - 2 Alfabetic: persons, places or subjects in a b c order; self indexing**
 - 4 Numeric: 1 2 3 order; requiring index**
 - 5 Cronologic: by dates**
 - 6 Clast: numeric, alfabetic or mixt notation, requiring index**
 - 651.54 Storage methods**
 - For file furniture see 651.236
 - .542 Flat on side**
 - Cabinet, box and pigeonhole filing
 - For roller shelving see 022.46; for cases for maps and drawings see 022 485
 - .543 Rolled**
 - Horizontal: on shelves, wall or in drawers
 - On end: in closets or stalls
 - .545 Erect, on shelves**
 - Books, binders, file boxes
 - .546 Vertical files**
 - .55 Accessories**
 - For furniture see 651.23
 - .552 Guides**
 - Hight. Projections: advantages; width
 - Material: paper, wood, metal, celluloid
 - Reinforcement: label holders, celluloiding
 - 554 Labels**
 - .56 Permanent records**
 - Elements determining establishment; authorization
 - .563 Statistics**
 - See also 311
 - 2 Data**
 - 4 Tables**
 - 6 Grafts (line, block and other charts)**
 - .57 Temporary records and papers**
 - Engagements, memoranda and other desk miscellany
 - Pigeonhole sistem Ticklers

- 651.6 Special material**
 For accounting records see 657
 * stock and sales records see 658.7-.8
- .62 Specifications
 - .63 Estimates
 - .64 Plans, drawings, maps
 - .65 Printed matter (issued by offis)
 Order records and blanks. File of samples
 - .66 Employes records
 Applications, recommendations, grading, time
 - .67 Letter files
 See also 651.533 Arrangement
 - .672 By correspondents
 Rules for determining 'correspondents': writer or firm, offiser or institution, etc. For numeric sistem see 651.5334
 - .673 By subject
 - .675 Removals: 'out' indexes, markers, dummies
 - .677 Copies of outgoing letters
 In books, separate from letters
 Carbond, on back of original or on separate sheet; roller copies; filed with letters
 - .678 Transfer files (for storage)
- 651.7 Correspondence, reports, etc.**
- .71 Stationery
 See also 659.1 Advertising
 - .712 Paper: size, quality, weight, tint, etc.
 For papermaking see 676; for history of writing material see 652
 - .713 Letterheds
 - .714 Memo heds
 - .715 Bil heds
 - .717 Postcards
 - .718 Envelops
 - .72 Blanks
 For saving letterwriting; e. g. forms for extracts from minutes. For other special purposes see topic
 - .74 Style Business English
 Conciseness, spelling, capitalization, punctuation, margins, spacing
 See also 029.6
 - .75 Letters
 - .752 Definitness and accuracy; paragrafing and tabulating
 - .753 Opening (address) and closing; postcard style
 - .754 Inclosures Separate related matter
 - .756 Form letters, automatic (answers by key numbers)
 - .757 Follow-up
 - .758 Interstaf notes
 Directness, breves. See also 653.2 Notehand abbreviations
 - .76 Notises, calls for meetings
 - .77 Minutes, committee business
 See also 651.72
 - .78 Reports
 Organization of material; analisis
 Transmission and introduction
 Statistics Recommendations, etc.

- 652 Writing; material, typewriters, cipher
 653 Abbreviations Shorthand
- .01 Theories Available material Shading Position Detach vowels
 - .02 Practicability for general use Teaching in public schools
 For methods see 653.07
 - .03 Speed See also 653.046, Verbatim reporting
 - .04 Applications
 - .041 Personal notes and records
 - .042 Correspondence
 - .043 Amanuensis work
 - .044 Newspaper work
 - .045 Shorthand job offices
 - .046 Official reporting, court and legislativ
 - .047
 - .05 Periodicals If strictly limited to one system, class with that system
 - .06 Societies " " " "
 - .07 Education Shorthand schools Teaching, privately or in classes
 - .08
 - .09 History Divided by countries like 930-999
 - .1 Abbreviations Omissions of silent letters, vowels, etc.
 Covers desirability, dangers, lists, and all general matter about use of recognised abbreviations. See also 421.4 Phonetic spelling; 421.8 Abbreviations
 - .2 Abbreviation systems
 Brief longhand. Fonoscribing, etc. For telegraphic codes, see 652
 Covers only systems of quick writing with common characters.
 - .3 Stenografies
 Includes both discussions and systems with arbitrary signs and new characters
 - .31 Before 1837
 - .32 Gurney
 - .33 Gabelsberger
 - .34 Stolze (Dettmann)
 - .35 Taylor (Baker; Harding; Odell)
 - .36 Cross
 - .37 Scovil
 - .38 Duployé (Pernin, Sloan)
 - .4 Phonetic shorthand Phonografies
 Limited to phonetic stenography, i. e. brief sound writing. .5 and .6 include only systems using Isaac Pitman's consonants
 - .41 Before Pitman (1837)
 - .42 Bell
 - .43 Jones
 - .44 Williams
 - .5 Pitman old vowel scale systems
 - .51 Benn Pitman
 - .52 Graham
 - .53 Scott-Brown
 - .54 Marsh
 - .55 Thornton
 - .56 Haven
 - .57 Allen

SHORTHAND

653.6 Pitman new vowel scale systems

- .61 Isaac Pitman
- .62 Munson
- .63 Longley
- .64 Burnz
- .7 **Connected vowel systems**
- .71 Lindsley's takigrafy
- .72 Everett
- .73 Barrows
- .74 Bishop
- .9 **Foren systems** Divided by languages like 400

The heds above are for English systems or (as in 653.3) foren systems adapted to and used for English. Other systems are groupd here by languages, but history of shorthand in special countries is in 653.09

654 Telegraf Cables Signals

Business aspects. For engineering see 621.38; for codes see 652

- .1 **Telegrafic instruments**
- .2 **Duplex, quadruplex, multiplex telegrafs, etc.**
- .3 **Printing, perforating, dial telegrafs, etc.**
- .4 **Telegrafic construction; poles, wires, condits, etc.**
- .5 **Cables Submarine**
- .6 **Telefones**
- .7 **Alarms; burglar, fire Annunciators, bels**
- .8 **Speaking tubes Pneumatic tubes**
- .9 **Signals** See also 534.83 Navigation signals; 623.7 Military signals

655 Printing Publishing Copyright

- .1 **History of printing**
- .11 Origin, invention
- .111 Claims of Gutenberg, Mainz
- .112 Claims of Coster, Haarlem
- .12 Celebrations, anniversaries
- .121 1640
- .122 1740
- .123 1823
- .124 1840
- .13-.19 **Printing in special countries** Divided like 930-909
- .2 **Type and typesetting**
- .21 Type founding Tools of the art
- .22 Electrotyping and stereotyping, etc. Patent blocks
For Photoelectrotyping, see 777
- .23 Patent types, logotypes, etc.
- .24 Faces, sizes, styles Specimen books
- .25 Typesetting: composition, proofreading, distribution
Artistic composition: taste, display, job work
- .27 Imposition Locking up, etc.
- .28 Typesetting and distributing machines Linotype, monotype

DECIMAL CLASSIFICATION

- 655.3 Practical printing** For Calico printing see 667.3
- .31 Printing presses
 - .32 Press work: making ready Color printing Cuts
Cutting stock
 - .33 Drying: hydraulic pressing, etc.
 - .35 Stamps, stamping, etc.
For stencils see 652
 - .36 Machines: paging, numbering, etc.
See also 654.3 Printing telegraphs; 651.265 Hand numbering machines; 652 Type-writers, addressing machines
 - .37 Nature printing From plants, etc.
 - .38 Printing for blind See also 371.91 Education of blind
 - .4 History of publishing and bookselling**
Divided by countries like 930-999
 - .5 Publishing and bookselling**
 - .51 Selection of mss
For freedom of press vs censorship, see 323; Morals of press 179.1
 - .52 Relations to authors
Copyright payments, prices of mss bought
 - .53 Format
Size, paper, type, illustrations, binding
 - .54 Cost of manufacture
Retail prices and discounts to dealers
 - .55 Advertising, press copies and notices See 659.1 Advertising
 - .56 Retail bookselling Prices and discounts to buyers
 - .57 Subscription book publishing, canvassing
 - .58 Publishing societies
 - .59 Publishing by governments, institutions, etc.
 - .6 Copyright Literary property**
 - .61 Perpetual or common law right
Including ethics of copyright
 - .62 Copyright in other matter than books
Music, mss, lectures, trademarks
 - .63 International copyright
See also 341.5 International private law
 - .64-.69 Copyright in special countries
Divided like 940-999
- 656 Transportation: railroading, etc.**
Running of trains, train and boat timetables, luggage and freight handling, lists of sailings: crews and shifts, discipline, etc.
For mechanical interrelations of track and rolling stock see 625.2
For reports, government regulation, rates: schedules, etc. see 385 for railroads, 386 for canal and 387 for river and ocean transportation
- 657 Bookkeeping Accounts**
- 658 Business methods Industrial management**
A tentative scheme prepared for inclusion in this edition and set in type has, on further conference with those specially interested, been withdrawn for more extended revision. Proof copies of this scheme, which is liable to considerable alteration, will be sent on application to those willing to cooperate in perfecting it. When revision has reached a point for general distribution, revised form will be published as a separate at a nominal price

USEFUL ARTS

659 Other topics

.1 Advertising

660 **Chemic technology**

- .1 .2 Compendis .3 Dictionaries, cyclopedias .4 Essays
 .5 Periodicals .6 Societies .7 Study and teaching .8 .9 History
 of chemic technology

661 **Chemicals**

.1 **Chemic elements** Divided like 546

.2 **Acids: sulfuric, nitric, etc.**

.3 **Alkalies: potash, soda, ammonia**

.4 **Salts** For common salt see 664.4

.5 Ammonia salts

.6 Sulfates and nitrates

.7 Cyanids

662 **Pyrotechnics Explosivs, matches, etc.**

.1 **Pyrotechnics**

.2 **Explosivs** See 622.23 Blasting; 623.4 Ordnance

.3 Gunpowder

.4 Fuses, percussion caps

.5 **Matches**

.6 **Fuel: coal, peat, natural gas, etc.**

.7 Charcoal, coke See also 644.22 Domestic economy 669.8 Metallurgy

.8 Artificial fuel See also 644.2 Domestic economy 669.8 Metallurgy

663 **Beverages** See also 178 Temperance 614.35 Adulterations

.1 **Fermented**

.2 Wine

.3 Brewd

.4 Beer

.5 **Distild**

.6 **Artificial mineral waters: soda water**

.7

.8 **Mixing drinks** Barkeepers manuals

.9 **Chocolate, coco** Commercial mixing of teas, coffees, etc.

664 **Foods**

For Adulterations see 614.31 Public helth. See also 641 Domestic economy

.1 **Sugar, molasses, glucose, etc.**

.2 **Starch, tapioca, sago, etc.**

.3 **Artificial butter, oleomargarin** Lard, compound lard

For butter, milk, and cheese see 637 Dairy

.4 **Salt**

.5 **Spices** Condiments

.6 **Yeast** Baking powder

For bred see 641.631 Cookery

.7

.8 **Methods of preservation: fruits and vegetables**

.9 Preservation of meat and fish

DECIMAL CLASSIFICATION

665 Oils Gases Candles Lamps

- .1 Candles Torches
- .2 Animal oils and fats See also 664.3 Foods
- .3 Vegetable oils and fats
- .4 Mineral oils: paraffin, ozocerite, asphaltum
- .5 Petroleum, kerosene
- .6 Lamps See also 644.32 Domestic economy
- .7 Illuminating gases Calcium light
- .8 Other gases
- .9

666 Ceramics Glass, etc.

- .1 Glass See also 748 Stained glass
- .2 Enamel
- .3 Ceramics See also 738 Pottery, porcelain
- .4 Clay See also 553.61 Economic geology
- .5 Porcelain
- .6 Stoneware, earthenware, pottery
- .7 Bricks Tiles See also 691.4 Building materials; 695.3 Roofing
- .8 Artificial stone See also 691.3 Building materials
- .9 Cements Limes Mortars See also 691.5 Building materials

667 Bleaching, dyeing, etc.

- .1 Bleaching
- .2 Dyeing Artificial colors Silk and wool
- .3 Cotton dyeing and calico printing
- .4 Inks: writing inks, indelible inks
- .5 Printing inks
- .6 Paints and pigments See also 698.1 House painting; 751 Fine arts
- .7 Varnishes Polish Lacker See also 698.3 Varnishing
- .8 Japan Blacking
- .9

668 Other organic chemiç industries

- .1 Soap
- .2 Glycerin
- .3 Glue
- .4 Gums and resins
- .5 Essences, perfumery, essential oils and ethers, etc.
See also 646.7 Toilet
- .6 Fertilizers See also 631.8 Agriculture
- .7 Distillation: coal tar, etc.

669 Metallurgy and assaying

History of metals goes here, not in 553, 622, nor 671

- .1 Iron and steel
- .2 Gold and silver
- .3 Copper
- .4 Led
- .5 Zinc
- .6 Tin
- .7 Mercury and other metals
- .8 Fuels and furnaces Slags
- .9 Assaying

670 Manufactures

Specific topics go where of most interest. These heads are for the *general* subject of metal, wood, etc. manufactures, and for such specific manufactures as are not of more interest elsewhere. But an account of a specific manufacture is commonly most useful with its own subject; e. g. a steam engine is certainly made of metal, but its manufacture should go under 621. 1, not 672. The character of the library often decides the place of greatest interest. An agricultural library would prefer the manufacture and everything about wood churns with the dairy, 637, while a manufacturing library might prefer it with other wood manufactures in 674. A general library will incline to the special subject, as a more minute classification is thus obtained, and references under 670 answer inquiries for all the library has on the subject of brass or rubber or paper manufactures. Whether grouped by use or material, if sought from the other standpoint, the references show the resources promptly. As a rule the use is the better classification, being more minute and oftener wanted. But if the uses are various the general head is better; e. g. bells are for scores of distinct uses, but their manufacture is a unit; but all churns are for the dairy

- 671 Articles made of metals
 - 672 Of iron and steel; stoves, cutlery, etc.
 - 673 Of brass and bronze; bells, etc. See also 739
- 674 Lumber and articles made of wood
- 675 Lether “ “ “ “ lether
- 676 Paper “ “ “ “ paper
- 677 Cotton, wool, silk, linen, etc.
- 678 Rubber and articles made of rubber
- 679 Celluloid and other

680 **Mechanic trades Amateur manuals**

681 Watch and instrument making

Catalogs of miscellaneous instruments. Class special instruments with their subjects

682 Blacksmithing

See also Zootechny, 636.0834 Shoeing

.I Horseshoeing

683 Lock and gun making

684 Carriage and cabinet making

Furniture. See also 749 Artistic furniture; 694.7 Fine joinery, interior finish.

Highway vehicles for separate tractors, either animal or motor. For motor vehicles see 629.2

685 Saddlery and shoemaking Trunks

686 Bookbinding

687 Clothesmaking Hats

688

689 Other trades

690 **Bilding**

For Architectural construction, see 721

.1 Theories of construction .2 Compends, manuals .3 Dictionaries, cyclopedias .4 Essays, lectures .5 Periodicals .6 Societies, exhibitions
.7 Education, study, training, apprenticeship, tools and their use (for use of special tools see special trade) .8 Collections, patents, inventions
.9 History of bilding construction

691 **Material Processes Preservativs**

Waterproofing See also 620.1 Strength of materials

.1 Wood Creosoting, etc.

.2 Natural stone Paraffining, etc.

.3 Artificial stone Concrete

.4 Bricks Tiles Other ceramic product-

.5 Lime Cement Plaster

.6 Glass

.7 Iron Steel Antirust processes

.8 Other metals

.9 Other materials

692 **Plans Specifications, etc.**

.1 General drawings

.2 Detail drawings

.3 Specifications

.4 Contracts Agreements Bids Advertisements

.5 Estimates Quantities Costs

.6 Superintendence

.7 Supervision of accounts

.8 Professional servises Fees Commissions

.9 Bilding laws Liabilities of architects, owners, and contractors

693 Masonry Plastering Fireproofing

- .1 Stone construction**
- .11 Bonds of stone work
- .12 Cutting and dressing of stone
 - See 515.8 Stereotomy; 736 Stone carving
- .2 Brick construction**
- .21 Bonds of brick work
- .22 Adobe or sundried brick, etc.
- .3 Terra cotta construction Tile**
- .4 Hollow tile and porous terra cotta construction
- .5 Concrete and beton construction**
- .6 Plastering**
- .61 External plastering and stucco
- .62 Internal plastering
- .63 Ornamental plaster work
- .64 Scagliola
- .65 Wooden lath
- .66 Metal lath (Wire, etc.)
- .67 Mineral wool linings, etc.
- .7
- .8 Fireproofing**
- .9

694 Carpentry: joinery, stairbilding

- .1 Wood construction; general**
- .2 Joints of woodwork Framing**
- .3 Strengthened beams**
- .4 Posts Columns See also 721.31
- .5 Panel and lattis construction**
- .6 Joinery, general** For Finishing, varnish, polish, etc. see 698.4
- .7 Ornamental joinery Cabinet work
 - For cabinetmaking see 684
- .8 Stairbilding** See also 515.83 Stereotomy
- .9 Other branches** See also 721.87-89

695 Roofing: slating, tiling For roof construction see 721.5

- .1 Wood: shingle**
- .2 Slate**
- .3 Tile**
- .4 Metal: tin, copper, led, zinc**
- .5 Iron
- .6 Asphalt Tar Concrete (Melted)**
- .7 Felt Asbestos Paper (In rolls)**
- .8 Textil: duck, canvas**
- .9 Thatch and other coverings**

DECIMAL CLASSIFICATION

696 Plumbing Gas and steam fitting, etc.

- .1 Plumbing For principles of sanitation see 628
- .2 Gasfitting
- .3 Steamfitting
- .4 Rivets and riveted joints
- .5 Screws and screw joints
- .6 Rust or calkt joints
- .7 Anchors Band irons
- .8 Other branches
- .9 Plumbing laws See also 614 Public helth

697 Heating and ventilation

See also sanitary engineering, 628.8; domestic economy, 644. For lighting see 628.9

- .1 Fireplaces
- .2 Stoves
- .3 Furnaces
- .4 Hot water, high and low pressure
- .5 Steam, high and low pressure
For boilers, see 621.184; for power plants, see 621.19
- .6 Gas: coal gas, water gas, natural gas
- .7 Electric and other methods
- .8 Smoke flues and chimneys
- .9 Ventilation: air ducts, condits, fans

698 Painting Glazing Paperhanging

- .1 Painting Oil
- .2 Distemper and fresco
- .3 Varnishing Polishing
- .4 Other modes of protection
- .5 Glazing For Staind glass see 748
- .6 Paperhanging
- .7 Textil hangings: tapestry
For tapestry design, see 745
- .8 Relief work: lincrusta, stampd lether, etc.
- .9 Other branches

69 Carbilding

Railway and tramway cars, passenger and freight, with or without motors. For highway cars see 629.2

Fine Arts

700 Fine arts

- 701 Philosophy: theories, utility, esthetics
- 702 Compendis, outlines
- 703 Dictionaries, cyclopedias
- 704 Essays, lectures, addresses
- 705 Periodicals, magazines, reviews
- 706 Societies: transactions, reports, etc.
- 707 Education: study and teaching of art
- 708 Art galleries and museums
 - .1 American: Corcoran, Metropolitan, Boston
 - .2 English: National, Hampton Court, Windsor-
 - .3 German: Dresden, Munich, Berlin, Vienna
 - .4 French: Louvre, Luxembourg
 - .5 Italian: Vatican, Sistine, Pitti, Medici, Borbonico
 - .6 Spanish: Madrid, Seville
 - .7 Russian: St Petersburg, Hermitage
 - .8 Scandinavian: Copenhagen
 - .9 Other countries

709 History of art in general Divided like 930-999

710 Landscape gardening

Town and city planning For special cities see 914-919

- 711 Public parks
- 712 Private grounds, lawns
- 713 Walks Drives
- 714 Water: fountains, lakes
- 715 Trees Hedges Shrubs
 - See also 634.9 Forestry; 582 Botany
- 716 Plants Flowers
 - .1 Plants .2 Flowers .3 Conservatories .4 Window gardens .5 Ferneries
- 717 Arbors Seats Outlooks
- 718 Monuments Mausoleums
- 719 Cemeteries See also 393.1 Earth burial; 614.61 Public health

DECIMAL CLASSIFICATION

720 Architecture

.1 Theories, esthetics, architectonics .2 Compenda, manuals .3 Dictionaries, cyclopedias .4 Essays, lectures .5 Periodicals .6 Societies .7 Education, study, training, schools of architecture .8 Polygraphy, collections .9 General history of architecture, divided geografically like 940-999

721 Architectural construction

- .1 **Foundations** See also bridge engineering, 624.1 Foundations
- .11 Foundation bed Nature of soil Load on foundation
Trial borings. Rock, sand, gravel, peat, quicksand
- .12 Excavation: timbering, shoring
- .13 Material for bilding foundations
Divided like 620.1
- .132 Wood
- .133 Stone, cement, concrete
 - 2 Stone, dimension or rubble
 - 5 Cement
 - 6 Concrete
- .134 Brick
- .14 Pile foundations: general Material
- .141 Sand piles
- .142 Wood or timber piles
- .143 Concrete piles
- .147 Iron piles
- .15 Pile foundations: method of sinking
- .151 Piledriver
- .152 Screw pile Boring anchor
- .153 Disk pile
- .154 Hydraulic pile
- .155 Pneumatic pile
- .16 Platform and other special foundations
- .162 Timber platforms or gratings: plank foundations
- .163 Concrete platforms
- .164 Iron and concrete: reinforced concrete platforms
- .165 Masonry platforms
- .166 Concrete legs or stilts
- .167 Cantilever foundations
- .17 Subaqueous foundations
- .171 Cofferdams
- .172 Open crib or caisson Cylinder foundations
- .173 Pneumatic caisson
- .174 Freezing
- .175 Pneumatic forcing
- .176 Sunken wells: dredging thru wells
- .177 Sunken tubes

FINE ARTS

- 721.2 Walls**
- .21 Wood and halftimberd
 - .22 Stone
 - .23 Artificial stone, concrete, pisé, etc.
 - .24 Brick
 - .25 Bases Water tables Belt courses
 - .26 Arcades Colonnades
 - .27 Cornises
 - .28 Gables and pediments See also 721.58 Gable roofs
 - .29 Other walls
- .3 Piers Columns**
- .31 Wood See also Carpentry 694.4
 - .32 Stone
 - .33 Concrete, artificial stone
 - .34 Brick, terra cotta
 - .35 Iron, steel
 - .36 Fireproof Protected
- .4 Archt constructions**
- See 624.6 Archt bridges; and 729.33 and 729.37 Elementary forms
- .41 Arches, circular
 - .42 Arches, other forms
 - .43 Vaults, cylindric
 - .44 Vaults, groind
 - .45 Vaults, other forms
 - .46 Domes, circular
 - .47 Domes, other forms
- .5 Roofs** See also 695 Roof coverings; 624.9 Engineering, roofs; 729.35 Roof design
- .51 Wood
 - .52 Masonry
 - .53 Glass
 - .54 Metallic
 - .55 Windows Openings in roofs
 - .56 Roof decoration: cresting, repoussé work, colord tiles, etc.
See also 695.3
 - .57 Spires and domes
 - .58 Gables See also 721.28 Gable walls
 - .59 Other forms of roofs
- .6 Floors and flooring**
- .61 Wood Construction and coverings
 - .62 Stone " "
 - .63 Brick and hollow tile " "
 - .64 Metallic Compound " "
 - .65 Composit " "
 - .66 Parquetry Coverings only
 - .67 Mosaics " "
 - .68 Tiles See 695.3 Roofing tile
 - .69 Other coverings

DECIMAL CLASSIFICATION

721.7

Ceilings

For vaulted ceilings, see 721.4 and 729.34

- .71 Wood
- .72 Stone
- .73 Brick or tiles with iron
- .74 Metallic
- .75 Concrete Plaster
- .76
- .77
- .78
- .79
- .8 **Doors Gates Grilles Windows**
- .81 Doors, wooden
- .82 Doors, metallic
- .83 Doors, sash, lattis, screen, etc.
- .84 Windows, external
- .85 Windows, internal
- .86 Inclosures of doors and windows
Architraves Pilasters Jams Pediments Lintels, etc.
- .87 Shutters Blinds Screens Grilles
- .88 Fastenings Locks
- .89 Other details
- .9 **Iron and composit structures**
For strength of materials, see Engineering, 620.11
- .91 Cast iron
- .92 Wrought iron
- .93 Steel
- .94 Composit
- .95 Iron and wood
- .96 Iron and stone
- .97 Iron and brick, tile, terra cotta Reinforced concrete
- .98 Iron and glass
- .99 Wood and glass

722 **Ancient and Oriental architecture (Pagan)**

See also 571.8 Prehistoric dwellings

- .1 **Chinese Japanese**
- .2 **Egyptian**
- .3 **Phenician Tyrian Jewish Carthaginian Cypriote**
- .4 **Indian (Asiatic)**
Hindu, Buddhist, Jaina, Himalayan, Dravidian, Chalukyan, Indo-Aryan, Burmese, Siamese, Cambodian
- .5 **Chaldean Assyrian Babylonian Ancient Persian**
Sassanian
- .6 **Pelasgian Etruscan**
- .7 **Roman** See 729.32 for Roman orders
- .8 **Grecian** See 729.32 for Greek orders
- .9 **Other: Aztec, Peruvian, Maya, Yucatan, etc.**

723 Medieval Christian Mohammedan

- .1 Early Christian**
- .2 Byzantine Armenian Russian**
- .3 Mohammedan: Saracenic, Moorish, Persian, Turkish, Indian** For Ancient Indian see 722.4
- .4 Romanesque**
 - .41 Scotch Irish**
 - .42 English Saxon Norman**
 - .43 German Austrian**
 - .44 French Provençal Norman Angevin**
 - .45 Italian Sicilian Norman**
 - .46 Spanish Portuguese**
 - .47**
 - .48 Danish Swedish Norwegian**
 - .49 Minor countries**
- .5 Gothic or pointed** Divided like 723.4

724 Modern

All the subsections of 724 are subdivided geografically like 940-990

- .1 Renaissance**
- .19 Baroque Rococo**
- .2 Grecian revival**
- .3 Gothic revival**
- .4 Victorian Gothic Tudor Elizabethan**
- .5 Queen Anne**
- .59 Georgian**
- .6 Néo-Grec**
- .7 Swiss Timber**
- .8 Romanesque revival**
- .9 Other styles**

725 Public bildings

- .1 Administrativ Governmental**
- .11 Capitols Houses of parliament**
- .12 Ministries of war, state, etc.**
- .13 City and town halls Bureaus Public offices**
- .14 Custom houses Bonded warehouses Excise offices**
- .15 Court houses Record offices**
- .16 Post offices, general and special**
- .17 Official residences Palaces of rulers**
- .18 Barracks Armories Police stations**
See also 623.61 Military bildings
- .19 Engin houses Fire alarm stations**

DECIMAL CLASSIFICATION

725.2 Business and commercial

- .21 Stores, wholesale and retail
- .22 Mixt store, offis, and apartment bildings
- .23 Offis bildings: telegraf, insurance
- .24 Banks: safe deposit, savings
- .25 Exchanges Boards of trade
- .26 Markets
- .27 Cattle markets Stock yards
- .28 Abattoirs
- .29 Other business bildings

.3 Transportation and storage

- .31 Railway passenger stations
- .311 Small (country) stations
- .312 Large (city) "
- .313 Union stations
- .314 Stations on 2 levels
- .315
- .316
- .317 Street-car stations
- .318 Elevated railway stations
- .319 Underground railway stations
- .32 Railway freight houses
- .33 Railway shops, roundhouses, car houses, tanks, stores
- .34 Dock bildings Wharf boats and houses
- .35 Warehouses Cold storage Safe deposit storage
- .36 Elevators, grain
- .37
- .38 Garages Livery stables
For private stables and garages see 728.94
- .39 Other

.4 Factories

- .41 Textil factories or mills: wool, cotton, silk
- .42 Breweries Malteries Distilleries
- .43 Foundries Machine shops Iron and steel works
- .44 Woodworking mills Furniture factories
- .45 Carriage and car factories
- .46 Paper mills
- .47 Mills for flour, meal, feed, etc.
- .48 Pottery, glass, terracotta, brick works
- .49 Other factories

FINE ARTS

- 725.5 Hospitals and asylums** See also 725.6 Reformatories
- .51 Sick and wounded Eye and ear Incurables Lying-in
 - .52 Insane
 - .53 Idiotic Feeble-minded
 - .54 Blind Def and dum
 - .55 Paupers Almshouses
 - .56 Aged
 - .57 Children Orphans
 - .58 Foundling
 - .59 Soldiers homes
 - .6 Prisons and reformatories**
 - .61 State prisons Penitentiaries
 - .62 Jails Cell houses
 - .63 Reformatories for adults Houses of correction
 - .64 Reform schools
 - .65 Washingtonian homes Inebriate asylums
 - .66
 - .7 Refreshment Baths Parks**
 - .71 Cafés Restaurants
 - .72 Saloons
 - .73 Baths: warm, medicated, turkish, russian
 - .74 Swimming baths
 - .75 Buildings for watering places, spas, etc.
 - .76 Buildings for parks
 - .8 Recreation**
 - .81 Music halls
 - .82 Theaters Opera houses
Grand stands, stadiums
 - .83 Halls for lectures, readings, etc.
 - .84 Bowling alleys Billiard saloons
 - .85 Gymnasiums Turn halls
 - .86 Skating rinks Bicycle rinks
 - .87 Boat houses
 - .88 Riding halls and schools
 - .89 Shooting galleries
 - .9 Other public buildings**
 - .91 Exhibition halls
 - .92 Temporary halls Tabernacles Wigwams
 - .93 Workingmen's clubs and institutes
 - .94

DECIMAL CLASSIFICATION

726 Ecclesiastic and religious

- .1 Temples
- .2 Mosques
- .3 Synagogs
- .4 Chapels Sunday school bildings
- .5 Churches
- .6 Cathedrals
- .7 Monasteries Convents Abbeys
- .8 Mortuary: cemetery chapels, receiving vaults, tombs
- .9 Other: Y. M. C. A. etc.

727 Educational and scientific

- .1 Schools
Study and recitation rooms. Not including dormitory or boarding
- .2 Academies Seminaries Boarding schools
- .3 Colleges Universities
- .4 Professional and technical schools: law, theology, etc.
- .5 Laboratories: physical, chemic See 542.1 biologic, etc.
Zoologic and botanic gardens See also 590.7 and 580.7
- .6 Museums Herbariums See 580.7
- .7 Art galleries Studios
- .8 Libraries See 022 Library bildings
- .9 Other: learned societies, etc.

728 Residences

- .1 Tenement houses
- .1.1 City homes of poor
- .1.2 Country "
- .1.3 Cités ouvrières
- .2 Apartment houses Flats Family hotels
- .3 City houses Mansions Palaces
- .3.1 Between party walls Stone
- .3.2 " " Brick
- .3.3 " " Partly wood
- .3.4 Semidetacht, including end houses in city blocks Stone
- .3.5 " " " Brick
- .3.6 " " " Partly wood
- .3.7 Detacht Stone
- .3.8 " Brick
- .3.9 " Partly wood
- .4 Club houses Bildings for secret societies
- .5 Hotels Inns
- .5.1 City hotels
- .5.2 Summer resorts
- .5.3 Country inns

FINE ARTS

728.6 Village and country homes

- .61 Village dwellings; on small lots
- .62 Stone
- .63 Brick
- .64 Concrete or stucco
- .65 Part masonry, part wood
- .66 All wood
- .67 Farm houses
- .68 Laborers cottages
- 7 **Seaside and mountain cottages** **Chalets**
- .8 **Country seats**
- 81 Castles
- .82 Chateaux
- .83 Manor houses
- .84 Villas
- .9 **Outbuildings**
- .91 Porters lodges
- .92 Servants quarters
- .93 Kitchens and laundries
- .94 Stables Carriage houses Garages
See also 725.38 Public garages and livery stables
- .95 Barns Granaries
- .96 Dairies
- .97 Ice houses
- .98 Conservatories Greenhouses Graperies
- .99 Other

729 Architectural design and decoration

For decorative illumination see 745

- .1 **The elevation**
- .11 Composition
- .12 Distribution
- .13 Proportion
- .14 Light and shade
- .15 Perspectiv effect
- .16
- .17
- .18
- .19

For projection of shadows and grafics of light and shadow see 515.63 and 515.7

- .2 **The plan**
- .21 Elements required
- .22 Distribution
- .23 Proportion

DECIMAL CLASSIFICATION

729.3 Elementary forms

For construction of these forms see 721

- .31 Walls Moldings Cornises
- .32 Piers, columns, pilasters, pedestals and the orders Colonnades
- .33 Arches and arcades
- .34 Vaults and domes
- .35 Roofs Spires Dormers
- .36 Towers
- .37 Gables and pediments
- .38 Doors and windows Bays Oriels
- .39 Stairs and balustrades

See also 515.83 Stereotomy; 694.8 Stairbuilding

.4 Painted decoration

See also 729.7 Mosaic

- .41 Vegetable forms
- .42 Animal forms
- .43 Grotesque forms
- .44 Conventional and geometric forms
- .45 Painted moldings
- .46 Painted friezes and panels
- .47 Painted columns and pilasters
- .48 Painted ceilings and vaults
- .49 Painted walls

.5 Decoration in relief

For bas relief and figure carving see 730

- .51 Vegetable forms
- .52 Animal forms
- .53 Grotesque forms
- .54 Conventional and geometric forms
- .55 Carvd moldings
- .56 Carvd friezes and panels
- .57 Carvd columns and pilasters
- .58 Carvd ceilings and vaults
- .59 Other carvd ornament

.6 Incrustation and veneering

- .61 Of external walls (in brick, stone, or marble, tiles, etc.)
- .62 Of interiors
- .63 Intarsia and inlay
- .64 Niellowork
- .65 Enamel decoration

- .66
- .67
- .68
- .69

FINE ARTS

729.7 Mosaic

- .71 Mosaic ceiling
- .72 Mosaic walls
- .73 Mosaic floors
- .74 Other mosaic designs
- .75
- .76
- .77
- .78
- .79

.8 Stained glass design

For technical processes see 666.1; for history see 748

- .81 Geometric windows
- .82 Medallion windows
- .83 Canopy windows
- .84 Figure windows
- .85 Mosaic windows
- .86 Other kinds of stained glass
- .87
- .88
- .89

.9 Architectural accessories and fixt furniture

- .91 Altars
- .92 Pulpits Tribunes
- .93 Dais Thrones
- .94 Buffets
- .95 Mantels Overmantels
- .96 Screens Rood screen Reredos
- .97
- .98
- .99

730 Sculpture

- 731 Materials and methods
- 732 Ancient
- 733 Greek and Roman
- 734 Medieval
- 735 Modern
- 736 Carving Seals Dies Gems Cameos
- 737 Numismatics Coins Medals
- Artistic and historic side See also 332.4 Coins and coinage, as money
- 738 Pottery Porcelain
- 739 Bronzes Brasses Bricabrac

740 Drawing Decoration Design

Arts and crafts

- 741 Freehand Crayon Sketching from nature
Caricatures Cartoons

Collections on any subject go with that subject with reference from 741

- 742 Perspectiv See also 515.6

- 743 Art anatomy Life school

- 744 Mathematic and scientific drawing See 515

Instructions for architectural and other mathematical drawing, with demonstrations (if any) subsidiary.

Textbooks with mathematical demonstrations in scientific order or better in 515

- 745 Ornamental design: woven fabrics, carpets,
wall paper, etc.

- 746 Art needlework Fancy work

- 747 Interior decoration Distemper Fresco
Polychrome

- 748 Stained and iridescent glass For leading, see 698.5

- 749 Artistic furniture Fireplaces Frames, etc.

750 Painting

- 751 Materials and methods

- 752 Color See also 535.6 Optics

- 753 Epic Mythic Idealistic See 759.3 German school

- 754 Genre See 759.4 French; and 759.9 Belgian

- 755 Religious, ecclesiastic See 759.5 Italian; and 759.6 Spanish

See also 246 Ecclesiology

- 756 Historical, battle scenes

- 757 Portrait

- 758 Landscape and marine Still life

Animals Flowers

- 759 Various schools of painting

- .1 American
.2 English
.3 German
.4 French
.5 Italian
.6 Spanish
.7 Slavic
.8 Scandinavian
.9 Other schools

760 Engraving

- 761 Wood
- 762 Copper and steel
- 763 Lithography
- 764 Chromolithography
- 765 Line and stipple
- 766 Mezzotint and aquatint
- 767 Etching Dry point
- 768 Bank note and machine
- 769 Collections of engravings

770 Fotografy

- 771 Materials Fotografic chemistry
- 772 Processes
 - Silver: daguerreotype, talbotype
 - Collodion: ambrotype, etc.
 - Dry plate
 - Color fotografy
- 773 Gelatin and pigment: woodburytype
- Carbon: lambertype, autotype, etc.
- 774 Gelatin and printers ink
 - Albertype, heli. type, artotype, etc.
- 775 Fotolithography, etc.
- 776 Fotozincography, etc.
- 777 Fotoengraving and fotoelectrotyping
- 778 Special applications
 - Moving pictures. See also 522.63 Astronomy; 578 Microscopy
- 779 Collections of fotografs

780 Music

.1 Philosophy and esthetics of music .2 Compenda .3 Dictionaries .4 Essays
 .5 Periodicals .6 Societies .7 Education, conservatories .8 Polygraphy,
 libraries .9 History, divided by countries, like 930-999
 All heads include the music itself and everything about it: score, libretto, history,
 criticism, etc.

781 Theory of music

- .1 **Mathematic and physical**
- .2 **Elementary and general**
- .3 **Harmony Thorobass**
- .4 **Counterpoint**
- .5 **Musical form**
- .6 **Composition and instrumentation**
- .7 **Oriental theories and forms Russian music**
- .8 **Ancient Grecian theories, modes, and forms**
- .9

782 Dramatic music

- .1 **Grand opera**
- .2 **Epic Wagnerian**
- .3 **Other German grand opera**
- .4 **French grand opera**
- .5 **Italian grand opera**
- .6 **Comic and satiric**
- .7 **Opera bouffe**
- .8 **Operettas and cantatas See 783.4**
- .9 **Pantomimes, masks, etc.**

783 Sacred music

See 245 Hymnology, sacred poetry, for hymns alone; if with tunes they go in 783.9;
 786.8 Organ; 246.7-8 Evangelistic use and Eucharistic music; 264.2 Public worship

- .1 **Organ and orchestral Accompaniment**
- .2 **Cathedral servises: masses, vespers, etc.**
- .21 **Mass Communion servises**
- .22 **Common of the mass: kyrie, gloria in excelsis, credo,
benedictus, Agnus Dei**
- .23 **Proper of the season: offertory, sequence, gradual, tract**
- .24 **Choral servis: antiphonal, responsiv**
- .25 **Plain song**
- .26 **Litanies**
- .27 **Lenten and penitential: Good Friday, reproaches**
- .28 **Festival: Christmas, Easter, etc.**
- .29 **Processional Recessional**

FINE ARTS

- 783.3 Oratorio **Passion music**
 .4 Anthem **Motet Sacred cantata**
 Polyphonic school, Palestrina. 16th century
 .5 Chant: **Gregorian, Anglican**
 .6 Chorale **Tune Carol**
 .7 Evangelistic: mission, revival **Sunday school**
 .8 Choir: men and boys **Quartet Chorus**
 .9 Congregational singing **Psalmody Hymnody**
- 784 **Vocal music**
 .1 Glee **Madrigal Round Catch**
 .2 Aria **Cavatina Recitative** e. g. in oratorio, mass, opera
 .3 **Ballad and song**
 Romantic, idyllic, sentimental; e. g. modern German
 .4 **Popular ballads Volkslied; e. g. Irish, Scotch, etc.**
 .5 **Festival; e. g. sängerbund, eisteddfod Competitiv**
 .6 **College, society songs, and choruses**
 .7 **Negro minstrelsy, plantation songs**
 .8 **Collected songs**
 .81 Solos
 .82 Duets
 .83 Trios
 .84 Quartets
 .85 Other part songs
 .86 Choruses
 .87 Collections for male voices
 .88 Collections for female voices
 .89 Other special collections
 .9] **Vocal hygiene, culture, development, and methods Tonic**
 sol-fa
- 785 **Orchestral music**
 For dramatic orchestral music, see 782; sacred, 783.1
 .1 **Symphony**
 Three or more movements; e. g. adagio, andante, allegro, allegretto, scherzo, finale, etc.
 .2 **Dramatic, illustrativ, descriptiv, program, imitativ**
 e. g. Mendelssohn's *Midsummer night's dream*
 .3 **Romantic, idyllic**
 .4
 .5 **Overture: e. g. Beethoven's Leonores**
 .6 **Concerto: orchestral with solo instrument**
 .7 **Chamber music**
 .8 **Suite**
 .9 **Arrangements, transcriptions, potpourris**

DECIMAL CLASSIFICATION

786 Piano and organ

- .1 **Piano History**
- .2 **Manufacture Tuning Temperament**
- .3 **Instruction**
- .4 **Piano music General collections**
For piano concerto, see 785.6
- .41 **Sonata Sonatina Rondo**
- .42 **Fantasia Arabesque**
- .43 **Nocturne Meditation Romantic Descriptiv**
Songs without words
- .44 **March and march form Polonaise Polka Mazurka**
- .45 **Dance form: national, classic, idealized**
- .46 **Modern dance music Society, festiv**
- .47 **Etudes Artistic** For études for instruction, see 786.3
- .48 **Variations, transcriptions**
- .49 **Arrangements**
Four hands and more; e. g. orchestral music arranged for piano
- .5 **Organ History**
- .6 **Bilding**
- .7 **Instruction**
- .8 **Organ music** See also 783 Sacred music
- .81 **Sonata**
- .82 **Fugue**
- .83 **Preludes**
- .84 **Interludes**
- .85 **Postludes**
- .86 **Offertories**
- .87 **Voluntaries Improvisations**
- .88 **Organ and piano**
- .89 **Organ, piano, and orchestra**
- .9 **Cabinet organ Melodeon**

787 Stringd instruments

Including with each, history, manufacture, instruction, music, etc. Music for instruments is put with the one most prominent in the composition

Bowd

- .1 **Violin**
- .2 **Viola**
- .3 **Violoncello**
- .4 **Double bass Contra bass**
Plectral
- .5 **Harp**
- .6 **Guitar Lute Mandolin, etc.**
- .7 **Banjo**
- .8 **Zither**
- .9 **Other stringd instruments Harpsichord**

788 Wind instruments

Including with each, history, manufacture, instruction, music, etc.

Brass

- .1 **Trumpet: slide and valv**
- .2 **Trombone**
- .3 **Cornet**
- .4 **Horns and other brass wind instruments**
 - .41 French horn
 - .42 Saxhorn
 - .43 Saxophone
 - .44 Euphonium
 - .45 Ophicleide
 - .46 Key bugle
 - .47 Valv bugle
 - .48 Bass Tuba and contrabass tuba Serpent
 - .49 Other

Wood: flute group

- .5 **Flute Waldflute Piccolo Fife Flageolet**

Wood: reed group

- .6 **Clarinet Bass clarinet Bassethorn**
- .7 **Oboe D'amore Da caccia Cor anglais**
- .8 **Bassoon Double bassoon Bombardon**
- .9 **Other reed wind instruments: bagpipe**

789 Percussion and mechanical instruments

Percussion

- .1 **Drum**
- .2 **Cymbals**
- .3 **Triangle**
- .4 **Tambourine Castanets Bones**
- .5 **Bells: chimes, carillon**
- .6 **Other percussion instruments: xylofone**

Mechanical

- .7 **Orchestrion**
- .8 **Music box**
- .9 **Other mechanical instruments**

DECIMAL CLASSIFICATION

- 790 Amusements** For ethics of amusements, see 175
- 791 Public entertainment
Concert, panorama, circus, menagerie, summer resort, garden, rink, museum, fair, festival
- 792 Theater Pantomime Opera
Passion plays. Fotoplays. See also 782 Dramatic music
- 793 Indoor amusements
Private theatricals, tableaux, charades, dancing
- 794 Games of skill
Chess, checkers, billiards, bowling, bagatel
- 795 Games of chance
Cards, dice, backgammon, dominoes
- 796 Outdoor sports
Children's sports, athletic sports, coasting, skating, cycling, quoits, archery, croquet, lawn tennis, golf
*1 swimming
2 tennis 3 track*
- 797 Boating and ball
Rowing, yachting, baseball, football, cricket, polo. Matches, races
See also 371.74 and 371.75
*797.1 football
797.2 baseball
797.3 football*
- 798 Horsemanship Motoring Racing
- 799 Fishing, hunting, target shooting

Literature

The classification, of literature is by *language*, not country, except that North and South American are separated from other English. Canadian French goes with 840; Australian and Indian English with 820; South American Spanish with 860, etc. Numbers assigned to individual authors include only their *literary* works of that section

and complete works which can not be divided. Books on other subjects go with their proper subjects, unless a 'special library' attracts all the authors' works, lives, etc. An author writing in 2 periods has all his books put in the one where most of them belong.

800 Literature: general works

801 Philosophy Theories Literary esthetics

802 Compends, outlines

803 Dictionaries, cyclopedias

804 Essays, lectures, addresses

805 Periodicals, magazines, reviews

806 Societies: transactions, reports, etc.

807 Study and teaching of literature

808 Rhetoric Treatises Collections

Divided .1 Poetry .2 Drama .3 Fiction .4 Essays .5 Oratory, see also 784.9 Vocal culture .6 Letters, epistolografy .7 Satire, humor .8 Collections too general to go with any one language, e. g. a book of quotations from many languages

These heads, and the same under 809, include only works about poetry, etc. regardless of language

809 History of literature in general

Including general histories of books and knowledge; e. g. Hallam's *Literature of the middle ages*

Divided like 808 .1 Poetry .2 Drama .3 Fiction, etc.

810 American literature

Includes Canadian English, which may be kept separate by prefixing C; e. g. C 811 Canadian poetry

- .1 Philosophy
- .2 Compendis
- .3 Dictionaries
- .4 Essays on American literature
- .5 Periodicals
- .6 Societies
- .7 Study and teaching
- .8 Collections
- .9 History of American literature

811 American poetry

- .02 Dramatic
- .03 Romantic and epic
- .04 Lyric, ballads
- .05 Didactic
- .06 Descriptiv
- .07 Satiric and humorous
- .08 Collections
- .09 History of American poetry

Disregard
Period divisions
in Small public
Library.

.1	Colonial 1607-1776	
.11	Sandys, George	1577-1644
.12	Bradstreet, Anne	1612-72
.13	Wigglesworth, Michael	1631-1705
.14	Green, Joseph	1706-80
.15	Livingston, William	1723-90
.16	Ferguson, Elizabeth	1739-1801
.2	Post-revolutionary 1776-1830	
.21	Trumbull, John	1750-1831
.22	Dwight, Timothy	1752-1817
.23	Barlow, Joel	1755-1812
.24	Freneau, Philip	1752-1832
.25	Alsop, Richard	1761-1841
.26	Pierpont, John	1785-1866
.27	Dana, Richard Henry	1787-1879
.28	Sprague, Charles	1791-1875
.29	Minor poets	
.3	Middle 19th century 1830-61	
.31	Halleck, Fitz-Greene	1790-1867
.32	Poe, Edgar Allan	1809-49
.33	Bryant, William Cullen	1794-1878
.34	Longfellow, Henry Wadsworth	1807-82
.35	Read, Thomas Buchanan	1822-72
.36	Whittier, John Greenleaf	1807-92
.37	Lowell, James Russell	1819-91
.38	Whitman, Walt	1819-92
.39		
.4	Later 19th century 1861-1900	
.41	Stoddard, Richard Henry	1825-1903
.42	Hayne, Paul Hamilton	1831-86
.43	Stedman, Edmund Clarence	1833-1908
.44	Winter, William	1836-1918
.45	Miller, Cincinnatus Hiner (Joaquin)	1841-1913
.46	Taylor, Bayard	1825-78
.47		
.48		
.49		
.5	Early 20th century 1901-	

LITERATURE

812 American drama

- | | | |
|-----|-------------------------------------|-----------|
| .1 | Colonial 1607-1776 | |
| .11 | Warren, Mercy | 1728-1814 |
| .12 | Godfrey, Thomas | 1736-63 |
| .13 | | |
| .2 | Post-revolutionary 1776-1830 | |
| .21 | Tyler, Royall | 1757-1826 |
| .22 | Dunlap, William | 1766-1839 |
| .23 | Hillhouse, James Abraham | 1789-1841 |
| .24 | Ingersoll, Charles Jared | 1782-1862 |
| .25 | | |
| .3 | Middle 19th century 1830-61 | |
| .31 | Ritchie, Anna Cora Mowatt | 1818-70 |
| .32 | Mathews, Cornelius | 1817-89 |
| .33 | Boker, George Henry | 1823-90 |
| .34 | | |
| .4 | Later 19th century 1861-1900 | |
| .41 | | |
| .5 | Early 20th century 1901- | |

813 American fiction

- | | | |
|-----|-------------------------------------|-----------|
| .1 | Colonial 1607-1776 | |
| .2 | Post-revolutionary 1776-1830 | |
| .21 | Brackenridge, Hugh Henry | 1748-1816 |
| .22 | Rowson, Susanna | 1762-1824 |
| .23 | Brown, Charles Brockden | 1771-1810 |
| .24 | Cooper, James Fenimore | 1789-1851 |
| .25 | Ware, William | 1797-1852 |
| .26 | Neal, John | 1793-1876 |
| .27 | | |
| .28 | | |
| .29 | | |
| .3 | Middle 19th century 1830-61 | |
| .31 | Thompson, Daniel Pierce | 1795-1868 |
| .32 | Kennedy, John Pendleton | 1795-1870 |
| .33 | Hawthorne, Nathaniel | 1804-64 |
| .34 | Judd, Sylvester | 1813-53 |
| .35 | Simms, William Gilmore | 1806-70 |
| .36 | Melville, Herman | 1819-91 |
| .37 | Stowe, Harriet Beecher | 1812-96 |
| .38 | | |
| .39 | | |
| .4 | Later 19th century 1861-1900 | |
| .41 | Alcott, Louisa May | 1832-88 |
| .42 | Eggleston, Edward | 1837-1902 |
| .43 | Howells, William Dean | 1837-1920 |
| .44 | Aldrich, Thomas Bailey | 1836-1907 |
| .45 | Harte, Francis Bret | 1839-1902 |
| .46 | James, Henry | 1843-1916 |
| .47 | Hawthorne, Julian | 1846- |
| .48 | Burnett, Frances Hodgson | 1849- |
| .49 | Minor novelists | |
| .5 | Early 20th century 1901- | |

DECIMAL CLASSIFICATION

- 814 American essays**
- .1 Colonial 1607-1776**
 - .2 Post-revolutionary 1776-1830**
 - .21 Rush, Benjamin 1745-1813
 - .22 Webster, Noah 1758-1843
 - .23 Channing, William Ellery 1780-1842
 - .3 Middle 19th century 1830-61**
 - .31 Ossoli, Margaret Fuller 1810-50
 - .32 Giles, Henry 1809-82
 - .33 Tuckerman, Henry Theodore 1813-71
 - .34 Holland, Josiah Gilbert 1819-81
 - .35 Whipple, Edwin Percy 1819-86
 - .36 Emerson, Ralph Waldo 1803-82 See also 197.3
 - .37 Curtis, George William 1824-92
 - .4 Later 19th century 1861-1900**
 - .41 Burroughs, John 1837-1921
 - .42
 - .43
 - .44
 - .5 Early 20th century 1901-**
- 815 American oratory**
- .1 Colonial 1607-1776**
 - .11
 - .12
 - .2 Post-revolutionary 1776-1830**
 - .21 Hamilton, Alexander 1757-1804
 - .22 Ames, Fisher 1758-1808
 - .23 Wirt, William 1772-1834
 - .24 Randolph, John 1773-1833
 - .25 Clay, Henry 1777-1852
 - .26 Calhoun, John Caldwell 1782-1850
 - .27 Webster, Daniel 1782-1852
 - .28
 - .29
 - .3 Middle 19th century 1830-61**
 - .31 Everett, Edward 1794-1865
 - .32 Choate, Rufus 1799-1859
 - .33 Sumner, Charles 1811-74
 - .34 Phillips, Wendell 1811-84
 - .35 Chapin, Edwin Hubbell 1814-80
 - .36 Beecher, Henry Ward 1813-87
 - .4 Later 19th century 1861-1900**
 - .41
 - .42
 - .43
 - .5 Early 20th century 1901-**
- 816 American letters** Subdivided by periods, like 811

LITERATURE

817 American satire and humor

- | | | |
|-----------|-------------------------------------|-----------|
| .1 | Colonial 1607-1776 | |
| .11 | Ward, Nathaniel | 1570-1653 |
| .12 | Alsop, George | 1638- ? |
| .13 | Byles, Mather | 1706-88 |
| .14 | Hopkinson, Francis | 1737-91 |
| .15 | Peters, Samuel Andrew | 1735-1826 |
| .2 | Post-revolutionary 1776-1830 | |
| .21 | Story, Isaac | 1774-1803 |
| .22 | Fessenden, Thomas Green | 1771-1837 |
| .23 | Paulding, James Kirke | 1779-1860 |
| .24 | Irving, Washington | 1783-1859 |
| .25 | Verplanck, Gulian Crommelin | 1786-1870 |
| .26 | | |
| .27 | | |
| .3 | Middle 19th century 1830-61 | |
| .31 | Neal, Joseph Clay | 1807-47 |
| .32 | Holmes, Oliver Wendell | 1809-94 |
| .33 | Shelton, Frederick William | 1814-81 |
| .34 | Shillaber, B P (Mrs Partington) | 1814-90 |
| .35 | Saxe, John Godfrey | 1816-87 |
| .36 | Cozzens, Frederick Swartout | 1818-69 |
| .37 | Browne, C: F (Artemus Ward) | 1834-67 |
| .38 | Haliburton, Thomas Chandler | 1796-1865 |
| .39 | Minor satirists and humorists | |
| .4 | Later 19th century 1861-1900 | |
| .41 | Warner, Charles Dudley | 1829-1900 |
| .42 | Locke, David Ross (P V Nasby) | 1833-88 |
| .43 | Burdette, Robert J | 1844-1914 |
| .44 | Clemens, S: L (Mark Twain) | 1835-1910 |
| .45 | Carleton, William | 1845-1912 |
| .46 | Shaw, Henry W (Josh Billings) | 1818-85 |
| .47 | | |
| .5 | Early 20th century 1901- | |

818 American miscellany

- | | | |
|-----------|-------------------------------------|-----------|
| .3 | Middle 19th century 1830-61 | |
| .31 | Thoreau, Henry David | 1817-62 |
| .32 | Mitchell, Donald Grant (Ik Marvel) | 1822-1908 |
| .4 | Later 19th century 1861-1900 | |
| .5 | Early 20th century 1901- | |

820 English literature

Canadian literature may be classed as British, if preferred, but separated by prefixing C to 820. See note to 810

820.1 Philosophy .2 Compendis .3 Dictionaries .4 Essays on English literature
.5 Periodicals .6 Societies .7 Study and teaching .8 Collections .9 History

821 English poetry

.02 Dramatic .03 Romantic and epic .04 Lyric, ballads .05 Didactic
.06 Descriptive .07 Satiric and humorous .08 Collections .09 History of
English poetry

- | | | |
|-----------|-----------------------------------|------------------|
| .1 | Early English 1066-1400 | |
| .11 | Layamon | 1150-1207 |
| .12 | Ormin | 1187-1237 |
| .13 | Robert of Gloucester | 1245-1307 |
| .14 | Minot, Lawrence | 1313-52 |
| .15 | Langland, William | 1332-99 |
| .16 | Barbour, John | 1316-95 |
| .17 | Chaucer, Geoffrey | 1340-1400 |
| .18 | Gower, John | 1325-1408 |
| .19 | Minor writers | |
| .2 | Pre-Elizabethan 1400-1558 | |
| .21 | Lydgate, John | 1369-1461 |
| .22 | Skelton, John | 1460-1529 |
| .23 | Dunbar, William | 1460-1520 |
| .24 | Douglas, Gavin | 1474-1522 |
| .25 | Hawes, Stephen | 1483-1509 |
| .26 | Lyndsay, Sir David | 1490-1555 |
| .27 | Wyatt, Sir Thomas | 1503-42 |
| .28 | Surrey, Henry Howard, earl of | 1517-47 |
| .29 | Minor writers | |
| .3 | Elizabethan 1558-1625 | |
| .31 | Spenser, Edmund | 1553-99 |
| .32 | Sidney, Sir Philip | 1554-86 |
| .33 | Daniel, Samuel | 1562-1619 |
| .34 | Drayton, Michael | 1563-1631 |
| .35 | Davies, John | 1569-1626 |
| .36 | Drummond, William | 1585-1649 |
| .37 | Fletcher, Giles and Phineas | 1585-1650 |
| .38 | Herbert, George | 1593-1632 |
| .39 | Minor writers | |
| .4 | Post-Elizabethan 1625-1702 | |
| .41 | Suckling, Sir John | 1609-42 |
| .42 | Crashaw, Richard | 1616-50 |
| .43 | Herrick, Robert | 1591-1674 |
| .44 | Waller, Edmund | 1605-87 |
| .45 | Lovelace, Richard | 1618-58 |
| .46 | Cowley, Abraham | 1618-67 |
| .47 | Milton, John | 1608-74 |
| .48 | Dryden, John | 1631-1700 |
| .49 | Minor writers | |

LITERATURE

- 821.5 Queen Anne** Early 18th century 1702-45
- .51 Prior, Matthew 1664-1721
 - .52 Parnell, Thomas 1679-1717
 - .53 **Pope, Alexander** 1688-1744 See also 827.55
 - .54 Ramsay, Allan 1686-1758
 - .55 Young, Edward 1684-1765
 - .56 Thomson, James 1700-48
 - .57 Collins, William 1721-59
 - .58 Shenstone, William 1714-63
 - .59 Minor writers
- .6 Later 18th century** Pre-revolutionary 1745-1800
- .61 Gray, Thomas 1716-71
 - .62 Akenside, Mark 1721-70
 - .63 Chatterton, Thomas 1752-70
 - .64 Goldsmith, Oliver 1728-74
See also 823.64 and 824.66
 - .65 Cowper, William 1731-1800
 - .66 Macpherson, James 1738-96
 - .67 Burns, Robert 1759-96
 - .68 White, Henry Kirke 1785-1806
 - .69 Minor writers
- .7 Early 19th century** Post-revolutionary 1800-37
- .71 Wordsworth, William 1770-1850
 - .72 Coleridge, Samuel Taylor 1772-1834
 - .73 Southey, Robert 1774-1843
 - .74 Scott, Sir Walter 1771-1832 See also 823.73
 - .75 Moore, Thomas 1779-1852
 - .76 Byron, George Gordon Noel, 6th lord 1788-1824
 - .77 Shelley, Percy Bysshe 1792-1822
 - .78 Keats, John 1795-1821
 - .79 Minor writers
- .8 Victorian period** 1837-1900
- .81 Tennyson, Alfred, 1st baron 1809-92
 - .82 Browning, Elizabeth Barrett 1809-61
 - .83 Browning, Robert 1812-89
 - .84 Rossetti, Dante Gabriel 1828-82
 - .85 Morris, William 1834-96
 - .86 Swinburne, Algernon Charles 1837-1909
 - .87
 - .88
 - .89 Minor writers
- .91 Early 20th century** 1901-
- 822 English drama**
- .1 Early English** 1066-1400
 - .11 Chester plays
 - .12 Coventry plays
 - .13 Townley plays

DECIMAL CLASSIFICATION

822.2	Pre-Elizabethan	1400-1558	
.21	Heywood, John	1506-65	
.22	Udall, Nicholas	1505-64	
.23	Bale, John	1495-1563	
.3	Elizabethan	1558-1625	
.31	Greene, Robert	1561-92	
.32	Marlowe, Christopher	1564-93	
.33	Shakespeare, William	1564-1616	
.34	Jonson, Ben	1574-1637	
.35	Beaumont, Francis and Fletcher, John	1584-1616 1579-1625	
.36	Webster, John	1582-1652	
.37	Massinger, Philip	1584-1640	
.38	Ford, John	1586-1639	
.39	Minor writers		
.4	Post-Elizabethan	1625-1702	
.41	Davenant, Sir William	1605-68	
.42	Etherege, Sir George	1637-88	
.43	Crowne, John	1644-99	
.44	Wycherly, William	1640-1715	
.45	Otway, Thomas	1651-85	
.46	Congreve, William	1670-1729	
.47	Vanbrugh, Sir John	1666-1726	
.48	Farquhar, George	1678-1707	
.49	Minor writers		
.5	Queen Anne	Early 18th century	1702-45
.51	Dennis, John	1657-1734	
.52	Southerne, Thomas	1660-1746	
.53	Centlivre, Mrs Susannah (Freeman)	1668-1723	
.54	Cibber, Colley	1671-1757	
.55	Rowe, Nicholas	1674-1718	
.56	Gay, John	1688-1732	
.57	Lillo, George	1693-1739	
.58			
.59	Minor writers		
.6	Later 18th century	1745-1800	
.61	Garrick, David	1716-79	
.62	Foote, Samuel	1721-77	
.63	Colman, George, the elder	1732-94	
.64	Home, John	1724-1808	
.65	Cumberland, Richard	1732-1811	
.66	Sheridan, Richard Brinsley	1751-1816	See also 825.64
.67	Inchbald, Mrs Elizabeth (Simpson)	1753-1821	
.68			
.69	Minor writers		
.7	Early 19th century	1800-1837	
.71	Baillie, Joanna	1762-1851	
.72	Knowles, James Sheridan	1784-1862	
.8	Victorian period	1837-1900	
.91	Early 20th century	1901-	

LITERATURE

- 823 English fiction
- | | | | |
|-----|--|-----------|-----------------|
| .1 | Early English | 1066-1400 | |
| .2 | Pre-Elizabethan | 1400-1558 | |
| | More's <i>Utopia</i> | | |
| .3 | Elizabethan | 1558-1625 | |
| | Lyly's <i>Euphues</i> | | |
| .4 | Post-Elizabethan | 1625-1702 | |
| .41 | Harrington, James | | 1611-77 |
| .42 | Bunyan, John | | 1628-88 |
| .43 | Mackenzie, George | | 1636-91 |
| .44 | Behn, Aphra | | 1640-89 |
| .5 | Queen Anne | 1702-45 | |
| .51 | DeFoe, Daniel | | 1661-1731 |
| .52 | Fielding, Henry | | 1707-54 |
| .6 | Later 18th century | 1745-1800 | |
| .61 | Richardson, Samuel | | 1689-1761 |
| .62 | Sterne, Laurence | | 1713-68 |
| .63 | Smollett, Tobias George | | 1721-71 |
| .64 | Goldsmith, Oliver | | 1728-74 |
| | See also 821.64 and 824.66 | | |
| .65 | Mackenzie, Henry | | 1745-1831 |
| .66 | Arblay, Frances (Burney), madame d' | | 1752-1840 |
| .67 | | | |
| .68 | | | |
| .69 | Minor writers | | |
| .7 | Early 19th century | 1800-37 | |
| .71 | Lewis, Matthew Gregory | | 1775-1818 |
| .72 | Edgeworth, Maria | | 1767-1849 |
| .73 | Scott, Sir Walter | | 1771-1832 |
| | | | See also 821.74 |
| .74 | Austen, Jane | | 1775-1817 |
| .75 | Porter, Jane | | 1776-1850 |
| .76 | Peacock, Thomas Love | | 1785-1866 |
| .77 | Galt, John | | 1779-1839 |
| .78 | Marryat, Frederick | | 1792-1848 |
| .79 | Minor writers | | |
| .8 | Victorian period | 1837-1900 | |
| .81 | Brontë, Charlotte | | 1816-55 |
| .82 | Thackeray, William Makepeace | | 1811-63 |
| .83 | Dickens, Charles | | 1812-70 |
| .84 | Lytton, Edward George Bulwer, 1st baron | | 1803-73 |
| .85 | Kingsley, Charles | | 1819-75 |
| .86 | Beaconsfield, Benjamin Disraeli, 1st earl of | | 1805-81 |
| .87 | Trollope, Anthony | | 1815-82 |
| .88 | Cross, Mary Ann (Evans) Lewes [George Eliot] | | 1819-80 |
| .89 | Minor writers | | |
| .91 | Early 20th century | 1901- | |

- 824 English essays**
- .3 Elizabethan 1558-1625**
Francis Bacon 1561-1626
 - .4 Post-Elizabethan 1625-1702**
John Locke 1632-1704
 - .5 Queen Anne 1702-45**
 - .51 Shaftsbury, Anthony Ashley Cooper, 3d earl of 1671-1713**
 - .52 Addison, Joseph 1672-1719**
 - .53 Steele, Sir Richard 1671-1729**
 - .54 Budgell, Eustace 1686-1737**
 - .55**
 - .56**
 - .57**
 - .58**
 - .59**
 - .6 Later 18th century 1745-1800**
 - .61 Moore, Edward 1712-57**
 - .62 Kames, Henry Home, lord 1696-1782**
 - .63 Johnson, Samuel 1709-84**
 - .64 Hume, David 1711-76** See also 192.4
 - .65 Hawkesworth, John 1715-73**
 - .66 Goldsmith, Oliver 1728-74**
See also 821.64 and 823.64
 - .67 Gibbon, Edward 1737-94**
 - .68**
 - .69 Minor writers**
 - .7 Early 19th century 1800-37**
 - .71 Mackintosh, Sir James 1765-1832**
 - .72 Smith, Sydney 1771-1845**
 - .73 Jeffrey, Francis, lord 1773-1850**
 - .74 Brougham, Henry, 1st baron 1778-1868**
 - .75 Lamb, Charles 1775-1834**
 - .76 Hazlitt, William 1778-1830**
 - .77 Hunt, Leigh 1784-1859**
 - .78**
 - .79 Minor writers**
 - .8 Victorian period 1837-1900**
 - .81 De Quincey, Thomas 1785-1859**
 - .82 Carlyle, Thomas 1795-1881**
 - .83 Macaulay, Thomas Babington, 1st baron 1800-59**
 - .84 Helps, Sir Arthur 1817-75**
 - .85 Arnold, Matthew 1822-88**
 - .86 Ruskin, John 1819-1900**
 - .87**
 - .88**
 - .89 Minor writers**
 - .91 Early 20th century 1901-**

LITERATURE

- 825 English oratory** For 'speakers' see 808.5
 Subdivided by periods like 821
- | | | |
|-----------|-------------------------------------|---------------------------|
| .6 | Later 18th century 1745-1800 | |
| .61 | Chatham, William Pitt, 1st earl of | 1708-78 |
| .62 | Burke, Edmund | 1729-97 |
| .63 | Fox, Charles James | 1749-1806 |
| .64 | Sheridan, Richard Brinsley | 1751-1816 See also 822.66 |
| .65 | Grattan, Henry | 1750-1820 |
| .66 | Pitt, William | 1759-1806 |
- 826 English letters**
 Subdivided by periods like 821
- | | | |
|-----------|---|------------------|
| .2 | Pre-Elizabethan | 1400-1558 |
| | Paston letters | |
| .5 | Queen Anne 1702-45 | |
| .51 | Montagu, Lady Mary (Pierrepont) Wortley | 1690-1762 |
| .52 | Chesterfield, Philip Dormer Stanhope, 4th earl of | 1694-1773 |
| .53 | | |
| .6 | Later 18th century 1745-1800 | |
| .61 | Orford, Horace Walpole, 4th earl of | 1717-97 |
| .62 | Montagu, Mrs Elizabeth (Robinson) | 1720-1800 |
- 827 English satire and humor**
- | | | |
|-----------|-----------------------------------|-----------|
| .2 | Pre-Elizabethan 1400-1558 | |
| .21 | Barclay, Alexander | 1475-1552 |
| .3 | Elizabethan 1558-1625 | |
| .31 | Gascoigne, George | 1537-77 |
| .32 | Harington, Sir John | 1561-1612 |
| .33 | Hall, Joseph | 1574-1656 |
| .34 | Marston, John | 1575-1634 |
| .35 | Donne, John | 1573-1631 |
| .36 | | |
| .37 | | |
| .38 | | |
| .39 | | |
| .4 | Post-Elizabethan 1625-1702 | |
| .41 | Wither, George | 1588-1667 |
| .42 | Butler, Samuel | 1612-80 |
| .43 | Marvell, Andrew | 1620-78 |
| .44 | D'Urfey, Thomas | 1625-1723 |
| .45 | Oldham, John | 1653-83 |
| .46 | Brown, Thomas | 1663-1704 |
| .47 | King, William | 1663-1712 |
| .48 | Garth, Sir Samuel | 1665-1719 |
| .49 | Minor writers | |

DECIMAL CLASSIFICATION

827.5	Queen Anne 1702-45	
.51	Ward, Edward	1667-1731
.52	Swift Jonathan	1667-1745
.53	Mandeville, Bernard de	1670-1733
.54	Arbuthnot, John	1675-1735
.55	Pope, Alexander	1688-1744
.56		See also 821.53
.57		
.58		
.6	Later 18th century 1745-1800	
.61	Churchill, Charles	1733-65
.62	Amory, Thomas	1691-1788
.63	- Whitehead, Paul	1710-74
.64	Junius <i>pseud.</i>	1679-1772
.65	Wolcott, John [Peter Pindar]	1738-1819
.66		
.67		
.68		
.7	Early 19th century 1800-37	
.71	Gifford, William	1757-1826
.72	Hood, Thomas	1798-1845
.73		
.74		
.75		
.76		
.8	Victorian 1837-1900	
.81	Jerrold, Douglas	1803-57
.82		
.83		
.84		
.85		
.86		
.91	Early 20th century 1901-	

828 English miscellany

Anecdotes, ana, epigrams, quotations, etc. if illustrative of any special subject (e. g. biography, history, science, art), go with that subject. If general they go in 828; if limited to any period, they take the same divisions as 821. For riddles, see 393.6; Proverbs, see 398.9. The same rule applies to other languages in 838, 848, etc.

829 Anglo-Saxon literature

.1	Poetry
.2	Cædmon
.3	Beowulf
.4	Cynewulf
.5	Homilies and religious
.6	Ælfric
.7	Alfred the Great
.8	Miscellaneous
.9	Historic and biographic

830 German literature

830.1 Philosophy .2 Compendis .3 Dictionaries .4 Essays, lectures and addresses
on German literature .5 Periodicals .6 Societies .7 Study and teaching .8 Col-
lections .9 History

831 German poetry

.02 Dramatic .03 Romantic and epic .04 Lyric, ballads .05 Didactic
.06 Descriptiv .07 Satiric and humorous .08 Collections .09 History of
German poetry

- .1 Before the Crusades —1150**
- .11 *Hildebrandslied*
- .12 Otfried
- .13 *Ludwigslied*
- .14 *Muspilli*
- .2 Middle high 1150-1300**
- .21 *Nibelungenlied*
- .22 *Gudrun*, and minor folk epics
- .23 Heinrich von Veldeke —1200 See also 839.3112
- .24 Wolfram von Eschenbach
- .25 Gottfried von Strassburg
- .26 Hartmann von Aue 1170-1220
- .27 Walther von der Vogelweide 1170-1230
- .28 Ulrich von Lichtenstein 1199-1276
- .29 Minor writers
- .3 Period of decline 1300-1517**
- .31 Horneck, Ottokar von
- .32 Hadamar von Laber
- .33 Hermann von Sachsenheim —1458
- .34 Büheler, Hans *Die sieben weisen meister* 1414-
- .35 Kaspar von der Röhn *Das heldenbuch*
- .36 *Theuerdank*
- .37 *Die Haimonskinder*
- .38 Mastersingers
- .39 Minor writers
- .4 Reformation; new high 1517-1625**
- .41 Agricola, Martin 1486-1556
- .42 Waldis, Burkard 1490-1558
- .43 Alberus, Erasmus 1500-53
- .44 **Sachs, Hans** 1494-1576
- .45 Ringwaldt, Bartholomäus 1530-99
- .46 Rollenhagen, Georg 1542-1609
- .47 Andrea, Johann Valentin 1586-1654
- .5 Period of imitation 1625-1750**
- The Silesian schools
- .51 Opitz von Boberfeld, Martin 1597-1639
- .52 Flemming, Paul 1609-40
- .53 Logau, Friedrich von 1604-55
- .54 Gerhardt, Paul 1607-76
- .55 Hofmannswaldau, Christian Hofmann von 1618-79
- .56 Zesen, Philipp von 1619-89
- .57 Brockes, Barthold Heinrich 1680-1747
- .58 Bodmer, Johann Jakob 1698-1783
- .59 Minor writers

DECIMAL CLASSIFICATION

831.6 **Classic period 1750-1830**

For Göthe and Schiller, see 832.6

.61	Gellert, Christian Fürchtegott	1715-69
.62	Klopstock, Friedrich Gottlieb	1724-1803
.63	Bürger, Gottfried August	1748-94
.64	Herder, Johann Gottfried von	1744-1803
.65	Voss, Johann Heinrich	1751-1826
.66	Körner, Karl Theodor	1791-1813
.67	Hölderlin, Johann Christian Friedrich	1770-1843
.68	Platen Hallermünde, August, graf von	1796-1835
.69	Minor writers	

.7 **Postclassic period 1830-56**

.71	Arndt, Ernst Moritz	1769-1860
.72	Eichendorff, Joseph, freiherr von	1788-1857
.73	Uhland, Johann Ludwig	1787-1862
.74	Rückert, Friedrich	1789-1866
.75	Heine, Heinrich	1799-1856
.76	Niemsch von Strehlenau, Nikolaus	1802-50
.77	Auersperg, Anton Alexander, graf von [Anastasio Grün]	1806-81
.78	Freiligrath, Ferdinand	1810-76
.79	Minor writers	

.8 **Later 19th century 1856-1900**

.81	Schefer, Leopold	1784-1862
.82	Kinkel, Johann Gottfried	1815-82
.83	Geibel, Emanuel	1815-84
.84	Bodenstedt, Friedrich Martin	1819-92
.85		
.86		
.87		
.88		
.89	Minor writers	

.91 **Early 20th century 1901-**

832 **German drama**

.5 **Period of imitation 1625-1750**

.51	Gryphius, Andreas	1616-64
.52	Lohenstein, Daniel Casper	1635-83
.53	Weise, Christian	1642-1708
.54	Gottsched, Johann Christoph	1700-76
.55	Gottsched, Luise Adelgunde Victorie (Culmus)	1713-62

.6 **Classic period 1750-1830**

.61	Lessing, Gotthold Ephraim	1729-81
.62	Göthe, Johann Wolfgang von	1749-1832
.63	Schiller, Johann Christoph Friedrich	1759-1805
.64	Klinger, Friedrich Maximilian	1753-1831
.65	Iffland, August Wilhelm	1759-1814
.66	Kotzebue, August Friedrich Ferdinand von	1761-1819
.67	Werner, Friedrich Ludwig Zacharias	1768-1823
.68	Kleist, Heinrich Bernt Wilhelm von	1777-1811
.69	Minor writers	

LITERATURE

- 832.7 Postclassic period 1830-56**
- .71 Grabbe, Christian Dietrich 1801-36
 - .72 Griepenkerl, Wolfgang Robert 1810-36
 - .73 Grillparzer, Franz 1791-1872
 - .74 Birch-Pfeiffer, Charlotte 1800-68
 - .75 Münch-Bellinghausen, Eligius Franz Joseph
[Friedrich Halm] 1806-66
 - .76 Laube, Heinrich 1806-84
 - .77 Hebbel, Friedrich 1815-63
 - .78 Gutzkow, Karl Ferdinand 1811-78
 - .79 Minor writers
- .8 Later 19th century 1856-1900**
- .81 Benedix, Julius Roderich 1811-73
 - .82 Mosenthal, Salomon Hermann 1821-77
 - .83 Brachvogel, Albert Emil 1824-78
 - .84 Gottschall, Karl Rudolph 1823-1909
 - .85 Lindau, Paul 1839-
 - .89 Minor writers
- .91 Early 20th century 1901-**
- 833 German fiction**
- .5 Period of imitation 1625-1750**
- .51 Buchholtz, Andrew Heinrich 1607-71
 - .52 Grimmelshausen, Hans Jakob Christoffel von 1625-76
 - .53 Anselm, Heinrich 1653-97
 - .54 *Robinsonaden*
 - .55 *Der Neue Amadis*
- .6 Classic period 1750-1830**
- .61 Wieland, Christoph Martin 1733-1813
 - .62 Richter, Jean Paul Friedrich 1763-1825
 - .63 Hardenberg, Friedrich von [Novalis] 1772-1801
 - .64 Hoffmann, Ernst Theodor Wilhelm 1776-1822
 - .65 La Motte Fouqué, Friedrich H; C; 1777-1843
 - .66 Arnim, Ludwig Achim von 1781-1831
 - .67 Hauff, Wilhelm 1802-27
 - .68 Chamisso, Adelbert von 1781-1838
 - .69 Minor writers
- .7 Postclassic period 1830-56**
- .71 Zschokke, Johann Heinrich Daniel 1771-1848
 - .72 Brentano, Clemens 1778-1842
 - .73 Tieck, Ludwig 1773-1853
 - .74 Postl, Karl [Charles Sealsfield] 1793-1864
 - .75 Häring, Wilhelm [Wilibald Alexis] 1798-1871
 - .76 Hahn-Hahn, Ida, gräfin von 1805-80
 - .77 Gerstäcker, Friedrich 1816-72
 - .78 Hackländer, Friedrich Wilhelm 1816-77
 - .79 Minor writers

DECIMAL CLASSIFICATION

- 833.8 Later 19th century 1856-1900**
- | | | |
|-----|-----------------------------|-----------|
| .81 | Auerbach, Berthold | 1815-82 |
| .82 | Freytag, Gustav | 1816-95 |
| .83 | Scheffel, Joseph Viktor von | 1826-96 |
| .84 | Spielhagen, Friedrich | 1829-1911 |
| .85 | Heyse, Paul Johann Ludwig | 1830-1914 |
| .86 | Ebers, Georg | 1837-98 |
| .89 | Minor writers | |
- .91 Early 20th century 1901-**
- 834 German essays** Subdivided by periods like 831
- 835 German oratory** " "
- 836 German letters** " "
- 837 German satire and humor**
- | | | |
|-----------|--|-----------|
| .2 | Middle high: minnesingers 1150-1300 | |
| .21 | [Stricker, Der] <i>Der Pfaffe Amis und Beispiele</i> | |
| .22 | <i>Salomon und Morolf</i> | |
| .3 | Period of decline 1300-1517 | |
| .31 | <i>Reineke Vos</i> See also 839.371 | |
| .32 | Brant, Sebastian | 1458-1521 |
| .4 | Reformation: new high 1517-1625 | |
| .41 | Murner, Thomas [Tyll Eulenspiegel] | 1475-1537 |
| .42 | Fischart, Johann | 1550-89 |
| .5 | Period of imitation 1625-1750 | |
| .51 | Moscherosch, Johann Michael | 1601-69 |
| .52 | Rachel, Joachim | 1618-69 |
| .53 | Wernicke, Christian | 1660-1720 |
| .54 | Liscow, Christian Ludwig | 1701-60 |
| .6 | Classic period 1750-1830 | |
| .61 | Rabener, Gottlieb Wilhelm | 1714-71 |
| .62 | Blumauer, Aloys | 1755-98 |
- 838 German miscellany**
See 828, note

839 Minor Teutonic literatures

Subdivided by form, poetry, drama, etc. like 830

- .1 Low German**
- .2 Frisian Old Saxon**
- .3 Dutch literature Flemish**
- .31 Dutch poetry**
- .311 Middle ages 1200-1450**
 1 Jacob van Maerlant 1235-91 (2 Heinrije van Veldeke 1200, see 831.23) 3 Jan van Brabant 1250-94 4 Melis Stoke 1310 5 Dirck Potter 1428
- .312 Chambers of rhetoric 1450-1600**
 1 Antonius de Rovere 1482 2 Anna Bijns 1500 3 Matthijs de Castelein 1488-1548 4 Cornelis Everaert 1550 5 Jan Baptist Houwaert 1533-99 6 Dirk Volkerszoon Coornhert 1522-90 7 Philipp Marnix 1538-98 8 Cornelia van Ghistele 1600 9 Minor writers
- .313 Period of the Republic 1600-1700**
 1 Jacob Cats, 1577-1660 2 Joost van der Vondel 1587-1679 3 Marie Tesselschade Visscher 1594-1649 4 Constantijn Huygens 1596-1687 5 Reyer Analo 1626-69 6 Geraert Brandt 1626-85 7 Jan Antoniszoon van der Goes (Antonides) 1647-84 9 Minor writers
- .314 Poetic societies 1700-1800**
 1 Lucas Rotgans 1654-1710 2 Hubert Corneliszoon Poot 1689-1733 3 Arnold Hoogvliet 1687-1763 4 Sybrand Feitama 1694-1758 5 Willem van Haren 1710-68 6 Jacob Bellamy 1757-86 7 Hieronymus van Alphen 1746-1803 9 Minor writers
- .315 Modern period 1800-**
 1 Willem Bilderdijk 1756-1831 2 Jan Frederik Helmers 1767-1813 3 Cornelis Loots 1765-1834 4 Hendrik Tollens 1780-1856 5 Isaac da Costa 1798-1860 6 Jan Jacob Lodewijk ten Kate 1819-89 9 Minor writers
- .32 Dutch drama**
- .323 Period of the Republic 1600-1700**
 1 Gerbrand Adriaenszoon Bredero 1585-1618 2 Corneliszoon Hooft 1581-1647 3 Samuel Costa 1580-1650 4 Jan Vos 1620-67 5 Guillelmus Ogier 1619-89 6 Joachim Oudaan 1628-92 9 Other
- .324 Poetic societies 1700-1800**
 1 Pieter Langendijk 1683-1756 2 Andries Pels 3 Balthasar Huydecoper 1695-1778 4 Onno Zwier van Haren 1713-79 5 Jan Nomms 1738-1803 9 Minor writers
- .325 Modern period 1800-**
 1 Samuel Iperuszoon Wiselius 1769-1845 2 Helvetius van den Bergh 1795-1865 3 Hendrik Jan Schimmel 1825-1906
- .33 Dutch fiction**
- .334 Poetic societies 1700-1800**
 1 Elisabeth Bekker Wolff 1738-1804 2 Agatha Deken 1741-1804 3 Rhijnvis Peith 1753-1824
- .335 Modern period 1800-**
 1 Adriaan Loosjes 1761-1818 2 Jacob Vosmaer 1783-1834 3 Jan Frederik Oltmans 1800-54 4 Jacob van Lennep 1802-68 5 Hendrik Conscience 1812-83 6 Anna Louisa Geertruida Bosboom-Toussaint 1812-86
- .34 Dutch essays**
- .344 Poetic societies 1700-1800**
 Justus van Effen 1684-1735
- .345 Modern period 1800-**
 1 Johannes Henricus van der Palm 1763-1840 2 Reinier Cornelis Bakhuisen van den Brink 1810-65 3 Everhardus Johannes Potgieter 1808-75 4 Nicolaas Beets 1814-1903 5 Coenraad Busken Huet 1826-86
- .37 Dutch satire and humor**
- .371 Middle ages 1200-1450**
 Reinaert (van den vos Reinaerde) see 837.31
- .374 Poetic societies 1700-1800**
 Arend Simonszoon Fokke 1755-1812

DECIMAL CLASSIFICATION

- 839.38 Dutch miscellany
 The subdivisions of 8 show the leading writers in other branches of knowledge
 In classification, books are placed with their subjects, theology, history, etc.
- .381 Middle ages 1200-1450
 1 Jan van Boendale (Jan de Clerc) *Chronicles*, 1280-1365
- .384 Poetic societies 1700-1800
 1 Simon Stijl, *History*, 1731-1804; Jan Wagenaar, *History*, 1709-73
- .4 Platt Deutsch
- .5 Scandinavian
- .6 Old Norse Icelandic Faroese
- .7 Swedish literature
- .71 Swedish poetry
- .711 Middle ages 1200-1520
 1 Nicolaus Hermanni 1391 2 Bishop Tomas 1443 3 Ericus Olai
 1486 4 Ballads (Folkvisor)
- .712 Reformation 1520-1640
 1 Olaus Petri 1496-1552 2 Laurentius Petri 1499-1573
- .713 Age of Stjernhjelm 1640-1740
 1 Georg Stjernhjelm 1598-1672 2 Lars Johansson (Lucidor) 1640-74
 3 Haquin Spegel 1645-1714 4 Israel Hölmström 1660-1708 5 Gunno
 Eurelius Dahlstjerna 1661-1709 6 Johan Runius 1679-1713 7 Jacob
 Frese 1691-1729 8 Samuel von Triewald 1688-1743 9 Minor writers
- .714 Age of Dalin 1740-80
 1 Olof Carelius 1758 2 Olof von Dalin 1706-63 3 Hedvig Charlotta
 Nordenflycht 1718-63 4 Anders Odel 1718-73 5 Gustaf Filip
 Creuts 1729-85 6 Gustaf Fredrik Gyllenborg 1731-1808 7 Olof
 Bergklint 1733-1805 9 Minor writers
- .715 Age of Gustavus 1780-1800
 1 Karl Mikael Bellman 1740-1795 2 Johan Henrik Kellgren 1751-95
 3 Bengt Lidner 1757-93 4 Johan Gabriel Oxenstjerna 1750-1818
 5 Tomas Thorild 1759-1808 6 Anna Maria Lenngren 1754-1817
 7 Karl Gustaf af Leopold 1756-1829 8 Frans Mikael Franzén 1772-1847
 9 Minor writers
- .716 Modern period 1800-
 1 Per Henrik Ling 1776-1839 2 Johan Olof Wallin 1779-1839 3 Esaias
 Tegnér 1782-1846 4 Erik Johan Stagnelius 1793-1823 5 Per Daniel
 Amadeus Atterbom 1790-1855 6 Karl Jonas Ludwig Almquist 1793-
 1866 7 Johan Ludwig Runeberg 1804-77 8 Karl Vilhelm Böttiger
 1807-79 9 Minor writers
- .72 Swedish drama
- .722 Reformation 1520-1640
 1 Johan Messenius 1579-1637 2 Magnus Olai Asteropherus -1647
 3 Andreas Johannis Prytz 1590-1655
- .723 Age of Stjernhjelm 1640-1740
 Isak Börk -1701
- .725 Age of Gustavus 1780-1800
 1 Karl Israel Hallman 1732-1800 2 Gustaf 3 (king) 1746-92
 3 Olof Kexél 1748-96 4 Karl Evallsson 1756-1806
- .725 Modern period 1800-
 1 Johan Börjesson 1790-1866 2 Bernhard von Beskow 1796-1868
 3 August Teodor Blanche 1811-68 4 Johan Kristofer Jolin 1818-84
 5 Frans Hedberg 1828-1908 6 Per Johan Edvard Backström
 1841-86
- .73 Swedish fiction
- .734 Age of Dalin 1740-1780
 1 Jakob Henrik Mörk 1714-63 2 Jakob Vallenberg 1746-78
- 36 Modern period 1800-
 1 Sofia Margareta von Knorring 1797-1848 2 Magnus Jakob Cru-
 senstolpe 1795-1865 3 Fredrika Bremer 1801-65 4 Karl Anton Wet-
 terbergh (Onkel Adam) 1804-89 5 Emilie Flygare Carlén 1807-92
 6 Zakris Topelius 1818-98 7 Viktor Rydberg 1829-95 9 Minor
 writers

LITERATURE

- 839.74 Swedish essays
 .746 Modern period 1800-
 1 Benjamin Karl Henrik Høijer 1767-1812 2 Lorenzo Hammarsköld
 1785-1827 3 Bernhard Ellis Malmström 1816-65 4 Karl Julius
 Lénström 1811-93 5 Gustaf Håkan Jordan Ljunggren 1823-1905
 6 Karl Rupert Nyblom 1832-1907
- .77 Swedish satire and humor
 .776 Modern period 1800-
 1 Johan Anders Wadman 1777-1837 2 Erik Sjöberg (Vitalis) 1794-
 1828 3 Kristian Erik Fahlcrants 1790-1866 4 Vilhelm August
 Detlof von Braun 1813-60 5 Gunnar Wennerberg 1817-1901
- .78 Swedish miscellany
 The subdivisions of 8 show the leading writers in other branches of knowl-
 edge. In classification, books are placed with their subjects, theology,
 history, etc.
- .781 Middle ages 1200-1520
 Canon Mattias, *Bible translation*, -1350; Peder Månsson, *Encyclopaedia*,
 -1534
- .782 Reformation 1520-1640
 1 Peder Andersson Svart, *History*, -1562 2 Erik Göransson Tegel,
History, 1580-1636 3 Egidius Girs, *History*, 1580-1639 4 Gustavus
 Adolphus (king), *History*, 1594-1632
- .783 Age of Stjärnehjelm 1640-1740
 1 Olof Rudbeck, *Medicin*, 1630-1702 2 Urban Hjärne 1641-1724
 3 Johan Peringskjöld, *History*, 1654-1720 4 Anders Rydelius, *Philosophy*
 1671-1738 5 Anders Celsius, *Astronomy*, 1701-44 6 Emanuel
 Svedenborg, *Theology*, 1688-1772
- .784 Age of Dalin 1740-1780
 1 Karl Gustaf Tessin, *History*, 1695-1770 2 Karl von Linné, *Botany*
 1707-78 3 Johan Ihre, *Philology*, 1707-80 4 Sven Lagerbring
History, 1707-87 5 Anders Johan von Höpken, *History*, 1712-89,
 6 Olof Celsius, *History*, 1716-94 7 Anders af Botin, *History*, 1724-
 90 8 Torbern Olof Bergman, *Chemistry*, 1735-84 Karl Vilhelm
 Scheele, *Chemistry*, 1742-86
- .786 Modern period 1800-
 1 Erik Gustaf Geijer, *History*, 1783-1847 2 Anders Magnus Strinholm,
History, 1786-1862 3 Anders Fryxell, *History*, 1795-1881 4 Frederik
 Ferdinand Carlson, *History*, 1811-87
- .8 Danish and Norwegian literature
- .81 Danish and Norwegian poetry
- .811 Middle ages 1100-1500
 1 Anders Sunesen 2 Ballads (Kjæmpeviser)
- .812 Reformation 1500-1560
 Hans Tavsén 1494-1561
- .813 Learned period 1560-1700
 1 Anders Arrebo 1587-1637 2 Anders Bording 1619-77 3 Peder
 Syv 1631-1702 4 Thomas Kingo 1634-1703 5 Peder Daas 1647-
 1708 6 Dorthe Engelbrektsdatter 1635-1716 7 Sören Terkelsen
 1661 8 Jacob Vorm 1642-93
- .814 Age of Holberg 1700-1750
 1 Jürgen Sorterup 1662-1723 2 Tøger Reenberg 1656-1742 3 Kristian
 Falster 1690-1752 4 Hans Adolph Brorson 1694-1764 5 Ambrosius
 Stub 1705-58 6 Kristian Frederik Wadskjær 1712-79
- .815 Period of enlightenment 1750-1800
 1 Kristian Braunmann Tullin 1728-65 2 Johannes Evald 1743-81
 3 Johan Herman Vessel 1742-85 4 Edvard Storm 1749-94
 5 Kristen Henriksen Pram 1756-1821 6 Jens Baggesen 1764-
 1826 7 Knud Lyne Rahbek 1760-1830 8 Malte Konrad Bruun 1775-
 1826 9 Minor writers
- .816 Modern period 1800-
 1 Adam Gottlob Oehlenschläger 1779-1850 2 Bernhard Severin Inge-
 mann 1789-1862 3 Nicolai Frederik Severin Grundtvig 1783-1872
 4 Johannes Carsten Hauch 1790-1871 5 Henrik Wergeland 1808-45
 6 Ludvig Bødtcher 1793-1874 7 Frederik Paludan-Müller 1809-76
 8 Carl Ploug 1813-94 9 Minor writers

DECIMAL CLASSIFICATION

- 839.82 Danish and Norwegian drama
- .823 **Learned period** 1560-1700
 1 Hieronimus Justesen Rauch 1539-1607 2 Hans Kristensen Sthen
 1544-1603 3 Peder Jensen Hegelund 1542-1614 4 Hans Thomsen
 Stege -1628 5 Jens Lönberg 1663-1700
- .824 **Age of Holberg** 1700-1750
 1 Ludvig Holberg 1684-1754
- .825 **Period of enlightenment** 1750-1800
 1 Charlotte Dorothea Biehl 1731-88 2 Johan Nordal Bruun 1745-
 1816 3 Ole Johan Samsøe 1759-96 4 Enevold Falsen 1755-1808
 5 Thomas Thaarup 1749-1821 6 Kristian Levin Sander 1756-1819
 7 Olaf Kristian Olufsen 1764-1827 8 Peter Andreas Heiberg 1758-
 1841 9 Minor writers
- .826 **Modern period** 1800-
 1 Casper Johannes Boye 1791-1853 2 Johan Ludvig Heiberg 1791-
 1860 3 Henrik Hertz 1798-1870 4 Thomas Overakou 1798-1873
 5 Christian Knud Frederik Molbech 1821-88 6 Henrik Ibsen 1828-
 1906
- .83 Danish and Norwegian fiction
- .836 **Modern period** 1800-
 1 Thomasine Christine Gyllembourg-Ehrensward 1773-1856 2 Steen
 Steensen Blicher 1782-1848 3 Christian Winther 1796-1876 4 Hans
 Christian Andersen 1805-75 5 Meyer Aaron Goldschmidt 1819-
 87 6 Holger Drachmann 1846-1908 7 Bjørnstjerne Bjørnson
 1832-1910
- .84 Danish and Norwegian essays
- .845 **Period of enlightenment** 1750-1800
 Rasmus Nyerup 1759-1829
- .846 **Modern period** 1800-
 1 Niels Mathias Petersen 1781-1862 2 Søren Aaby Kierkegaard 1813-
 55 3 Rudolph Keyser 1803-64 4 Peter Andreas Munch 1810-
 63 5 Johan Sebastian Cammermeyer Welhaven 1807-73 6 Georg
 Morris Cohen Brandes 1842-
- .87 Danish and Norwegian satire and humor
- .875 **Period of enlightenment** 1750-1800
 1 Peder Magnus Trojel 1743-96 2 Peder Kofoed Trojel 1754-84
 3 Thomas Kristoffer Bruun 1750-1834
- .88 Danish and Norwegian miscellany
 The subdivisions of 8 show the leading writers in other branches of knowledge.
 In classification, books are placed with their subjects, theology, history, etc.
- .881 **Middle ages** 1100-1500
 1 Saxo (Longus) Grammaticus, *History*, -1208 2 Svend Aagesen, *History*
- .882 **Reformation** 1500-1560
 1 Kristiern Pedersen (Father of Danish literature) 1480-1554 2 Povel
 Eliesen, *Sermons*, 1480- 3 Hans Milkkelisen, *Bible translation*, -1532
 4 Peder Plade (Palladius) 1503-60 5 Henrik Smith, *Medicin*, -1563
- .883 **Learned period** 1560-1700
 History: Hans Svaning 1508-1584 Anders Sørensen Vedel 1542-1616
 Peder Klausen 1545-1614 Arild Hvitfeld 1549-1609 Klaus Lykander
 1558-1623 Ole Worm 1588-1654 Peder Resen 1625-88
 Theology: Niels Hemmingsen 1513-1600 Holger Rosenkrantz 1574-
 1642 Jesper Brochmand 1585-1652
 Science: Tyge Brahe, *Astronomy*, 1546-1601 Kaspar Bartholin,
Medicin, 1585-1629 Thomas Bartholin, *Anatomy*, 1616-80 Ole
 Borch, *Medicin*, 1626-90 Niels Stensen, *Anatomy*, 1638-86 Ole
 Römer, *Astronomy*, 1644-1710
- .884 **Age of Holberg** 1700-1750
 1 Erik Pontoppidan, *History*, 1698-1764 2 Jacob Langebek, *History*,
 1710-75 3 Frederik Kristian Eilschov, , 1725-50
 4 Gerhard Schöning, *History*, 1722-80 5 Peder Frederik Suhm,
History, 1728-98
- .9 Gothic

840 **French literature**

840.1 Philosophy .2 Compenda .3 Dictionaries .4 Essays, lectures, and addresses on French literature .5 Periodicals .6 Societies .7 Study and teaching
 .8 Collections .9 History

841 **French poetry**

.02 Dramatic .03 Romantic and epic .04 Lyric, ballads .05 Didactic
 .06 Descriptive .07 Satiric and humorous .08 Collections .09 History of French poetry

- .1 Early French 842-1400**
- .11 **Chanson de Roland** *Chanson de geste*
- .12 Wace, Robert
- .13 Marie de France
- .14 Chrestien de Troyes -1191
- .15 Quesnes de Bethune -1228
- .16 Thibaut 4, comte de Champagne 1201-53
- .17 Rutebeuf 1230-
- .18 **Roman de la rose**
 Guillaume de Loris, 1195-1260 Jean de Meung, 1280-1320
- .19 Minor poets
- .2 Transition period 1400-1500**
- .21 Chartier, Alain 1386-1458
- .22 Orléans, Charles duc d' 1391-1465
- .23 Coquillart, Guillaume 1421-1510
- .24 Baude, Henri 1430-95
- .25 Villon, François 1431-85
- .26
- .27
- .28
- .29 Minor poets
- .3 Renaissance 1500-1600**
- .31 Daurat, Jean 1510-88
- .32 Du Bellay, Joachim 1524-60
- .33 Belleau, Remy 1528-77
- .34 Ronsard, Pierre de 1524-85
- .35 Thiard, Pontus de 1521-1605
- .36 Baïf, Jean Antonie de 1532-89
- .37 Saluste du Bartas, Guillaume de 1544-90
- .38 Desportes, Philippe 1546-1606
- .39 Minor poets
- .4 Classic period 1600-1715**
- .41 Malherbe, François de 1555-1628
- .42 Maynard, François 1582-1646
- .43 Racan, Honorat de Bueil, marquis de 1589-1670
- .44 Chapelain, Jean 1595-1674
- .45 **La Fontaine, Jean de** 1621-95
- .46 Deshoulières, Antoinette (du Ligier de la Garde),
 Madame 1637-94
- .47 Chaulieu, Guillaume Amfrye de 1639-1720
- .48
- .49 Minor poets

DECIMAL CLASSIFICATION

- 841.5 18th century 1715-89**
- .51 Rousseau, Jean Baptiste 1670-1741
 - .52 Racine, Louis 1692-1763
 - .53 Pompignan, Jean Jacques de Franc, marquis de 1709-84
 - .54 Delille, Jacques 1738-1813
 - .55 Roucher, Jean Antoine 1745-94
 - .56 Chénier, André Marie de 1762-94
 - .57 Parny, Evariste Désiré Desforges, vicomte de 1753-1814
 - .58
 - .59 Minor poets
 - .6 **Revolution and empire 1789-1815**
 - .61 Lebrun, Ponce Denis Écouchard 1729-1807
 - .62 Fontanes, Louis, marquis de 1757-1821
 - .63 Parseval Grandmaison, François Auguste 1759-1834
 - .64 Luce de Lancival, Jean Charles Julien 1764-1810
 - .65 Désaugiers, Marc Antoine Madeleine 1772-1827
 - .66 Campenon, François Nicolas Vincent 1772-1843
 - .67 Millevoye, Charles Hubert 1782-1816
 - .68
 - .69 Minor poets
 - .7 **Constitutional monarchy 1815-48**
 - .71 **Béranger, Pierre Jean de** 1780-1857
 - .72 Delavigne, Jean François Casimir 1793-1843 See 842.72
 - .73 Deschamps, Émile 1791-1871
 - .74 Lamartine, Alphonse Marie Louis de Prat de 1792-1869
 - .75 Reboul, Jean 1796-1864
 - .76 Vigny, Alfred Victor, comte de 1799-1863 See 842.75
 - .77 Musset, Louis Charles Alfred de 1810-57 See 842.76
 - .78 **Hugo, Victor Marie, comte** 1802-85
See also 842.78 and 843.78
 - .79 Minor poets
 - .8 **Later 19th century 1848-1900**
 - .81 Laprade, Pierre Marin Victor Richard de 1812-83
 - .82 Dupont, Pierre 1821-70
 - .83 Banville, Théodore Faullain de 1820-91
 - .84 Sully-Prudhomme, René François Armand 1839-1907
 - .85 Coppée, Francis Édouard Joachim 1842-1908 See 842.88
 - .86 Deroulède, Paul 1846-1914
 - .87
 - .88
 - .89 Minor poets
 - .91 **Early 20th century 1901-**
- 842 French drama**
- .1 **Early French 842-1400**
 - .11 Mysteries and miracles
 - .12 Adam de la Halle 1240-86
 - .13 Bodel, Jean
 - .14
 - .15
 - .16
 - .17
 - .18
 - .19 Minor dramatists

LITERATURE

842.2	Transition period	1400-1500	
.21	Gresban, Arnoul		
.22	Michel, Jean		-1493
.23	Gringoire, Pierre		1480-1544
.24			
.25			
.26			
.27			
.28			
.29	Minor dramatists		
.3	Renaissance	1500-1600	
.31	Le Coq, Thomas		
.32	Baif, Lazare de		
.33	La Peruse, Jean Bastier de		1530-55
.34	Jodelle, Étienne		1532-73
.35	Grévin, Jacques		1538-70
.36	La Taille, Jean de		1540-1608
.37	Garnier, Robert		1545-1601
.38	Larivey, Pierre de		1550-1612
.39	Minor dramatists		
.4	Classic period	1600-1715	
.41	Cornelle, Pierre		1606-84
.42	Molière, Jean Baptiste Poquelin, <i>called</i>		1622-73
.43	Cornelle, Thomas		1625-1709
.44	Boursault, Edme		1638-1701
.45	Racine, Jean		1639-99
.46	Brueys, David Augustin de		1640-1723
.47	Dufresny, Charles Rivière		1648-1724
.48	Baron, Michel Boyron, <i>called</i>		1653-1729
.49	Minor dramatists		
.5	18th century	1715-89	
.51	La Motte, Antoine Houdart de		1672-1731
.52	Crébillon, Prosper Jolyot de		1674-1762
.53	Destouches, Philippe Nericault		1680-1754
.54	Marivaux, Pierre Carlet de Chamblain de		1688-1763 See 843.52
.55	Piron, Alexis		1689-1773
.56	Voltaire, François Marie Arouet de		1694-1778 See 843.54
.57	Sédaine, Michel Jean		1719-97
.58	Beaumarchais, Pierre Augustin Caron de		1732-99
.59	Minor dramatists		
.6	Revolution and empire	1789-1815	
.61	Ducis, Jean François		1733-1816
.62	Collin-Harleville, Jean François		1735-1806
.63	La Harpe, Jean François de		1739-1803 See 844.61
.64	Fabre d'Églantine, Philippe François Nazaire		1755-94
.65	Andrieux, François Guillaume Jean Stanislas		1759-1833
.66	Chenier, Marie Joseph		1764-1811
.67	Picard, Louis Benoît		1769-1828
.68	Lemercier, Louis Jean Népomucène		1771-1840
.69	Minor dramatists		

DECIMAL CLASSIFICATION

8.2.7	Constitutional monarchy	1815-48	
.71	Soumet, Alexandre		1788-1845
.72	Delavigne, Jean François Casimir		1793-1843 See 841.72
.73	Scribe, Augustin Eugène		1791-1861
.74	Ancelot, Jacques Arsène François Polycarpe		1794-1864
.75	Vigny, Alfred Victor, comte de		1799-1863 See 841.76
.76	Musset, Louis Charles Alfred de		1810-57 See 841.77
.77	Dumas, Alexandre, the elder		1806-70 See 843.76
.78	Hugo, Victor Marie, comte		1802-85
	See also 841.78 and 843.78		
.79	Minor dramatists		
.8	Later 19th century	1848-1900	
.81	Labiche, Eugène Marin		1815-88
.82	Ponsard, François		1824-67
.83	Augier, Guillaume Victor Émile		1822-89
.84	Dumas, Alexandre, fils		1824-95
.85	Bornier, Henri de		1825-1901
.86	Sardou, Victorien		1831-1908
.87	Pailleron, Édouard		1834-99
.88	Coppée, Francis Édouard Joachim		1842-1908 See 841.85
.89	Minor dramatists		
.91	Early 20th century	1901-	
843	French fiction		
.2	Transition period	1400-1500	
.21	Christine de Pisan		1363-1431
.22	Jean de Tuim		
.23	La Sale, Antoine de		1398-1462
.24	Chastelain, Georges		1403-75
.25			
.26			
.27			
.28			
.29	Minor writers		
.3	Renaissance	1500-1600	
.31	Marguerite de Navarre		1492-1549
.32	Desperriers, Bonaventure		1500-44
.33	Herberay, Nicolas d'		-1552
.34	Du Fail, Noël		-1585
.35	Bouchet, Guillaume		1526-1606
.36	Beroalde de Verville, François		1558-1612
.37			
.38			
.39	Minor writers		
.4	Classic period	1600-1715	
.41	Urfé, Honoré d'		1568-1625
.42	Gomberville, Marin Le Roy de		1600-47
.43	La Calprenède, Gauthier de Costes de		1602-63
.44	Scudéry, Georges de		1601-67
.45	Scudéry, Madeleine de		1607-1701
.46	Cyrano de Bergerac, Savinien		1620-55
.47	Perrault, Charles		1628-1703
.48	Lafayette, Marie Madeleine Pioche de la Vergne, comtesse de		1634-93
.49	Minor writers		

LITERATURE

- 843.5 18th century 1715-89**
- .51 Le Sage, Alain René 1668-1747
- .52 Marivaux, Pierre Carlet de Chamblain de 1688-1763 See 842.54
- .53 Prévost d'Exiles, Antoine François 1697-1763
- .54 Voltaire, François Marie Arouet de 1694-1778 See 842.56
- .55 Crébillon, Claude Prosper Jolyot de, fils 1707-77
- .56 Rousseau, Jean Jacques 1712-78
- .57 Restif de la Bretonne, Nicolas Edme 1734-1806
- .58 Florian, Jean Pierre Claris de 1755-94
- .59 Minor writers
- .6 Revolution and empire 1789-1815**
- .61 St Pierre, Jacques Henri Bernardin de 1737-1814
- .62 Staël Holstein, Anne Louise Germaine (Necker),
baronne de 1766-1817
- .63 Constant de Rebecque, Henri Benjamin 1767-1830
- .64 Maistre, Xavier de 1763-1852
- .65 Chateaubriand, François Auguste René, vicomte de 1768-1848
- .66
- .67
- .68
- .69 Minor writers
- .7 Constitutional monarchy 1815-48**
- .71 Beyle, Marie Henri [de Stendhal] 1783-1842
- .72 Nodier, Charles 1790-1844
- .73 Balzac, Honoré de 1799-1850
- .74 Sue, Marie Joseph, called Eugène 1804-57
- .75 Souvestre, Émile 1806-54
- .76 Dumas, Alexandre, the elder 1806-70 See 842.77
- .77 Gautier, Théophile 1811-72
- .78 Hugo, Victor Marie, comte 1802-85
- See also 841.78 and 842.78
- .79 Minor writers
- .8 Later 19th century 1848-1900**
- .81 Mérimée, Prosper 1803-70
- .82 Dudevant, Amantine Lucile Aurore Dupin
[George Sand] 1804-76
- .83 Feuillet, Octave 1822-90
- .84 Flaubert, Gustave 1821-81
- .85 Erckmann-Chatrian { Erckmann, Émile 1822-99
Chatrian, Alexandre 1826-90
- .86 About, Edmond François Valentin 1828-85
- .87 Cherbuliez, Victor 1829-99
- .88 Daudet, Alphonse 1840-97
- .89 Minor writers
- .91 Early 20th century 1901-**
- 844 French essays**
- .3 Renaissance 1500-1600**
- .31 Montaigne, Michel Eyquem de 1533-92
- .4 Classic period 1600-1715**
- .41 Du Vair, Guillaume 1556-1621
- .42 Saint-Évremond, Charles de Marguetel de Saint-
Denis de 1613-1703

DECIMAL CLASSIFICATION

- 844.5 18th century 1715-89**
- .51 Pontenelle, Bernard le Bovier de 1657-1757
 - .52 Montesquieu, Charles le Secondat, baron de 1689-1755
 - .53 Alembert, Jean le Rond d' 1717-83
 - .6 Revolution and empire 1789-1815**
 - .61 La Harpe, Jean François de 1739-1803 *See 842.63*
 - .62 Joubert, Joseph 1754-1824
 - .63 Courier de Méré, Paul Louis 1772-1825
 - .64 Senancour, Étienne Pivert de 1770-1846
 - .7 Constitutional monarchy 1815-48**
 - .71 La Mennais, Hugues Félicité Robert de 1782-1854
 - .72 Villemain, Abel François 1790-1870
 - .73 Planche, Jean Baptiste Gustave 1808-57
 - .74 **Sainte Beuve, Charles Augustin** 1804-69
 - .75 Saint-Marc Girardin 1801-73
 - .76 Janin, Jules Gabriel 1804-74
 - .77 Nisard, Jean Marie Napoléon Désiré 1806-88
 - .8 Later 19th century 1848-1900**
 - .81 Quinet, Edgar 1803-75
 - .82 Renan, Ernest 1823-92
 - .83 Taine, Hippolyte Adolphe 1828-93
 - .91 Early 20th century 1901-**
- 845 French oratory** *Subdivided by periods like 841*
- 846 French letters** *Subdivided by periods like 841*
- 847 French satire and humor**
- .1 Early French 842-1400**
 - .11 Guyot de Provins
 - .12 *Roman du Renard* *See 837.31 and 839.371*
 - .13 Deschamps, Eustache 1320-1400
 - .3 Renaissance 1500-1600**
 - .31 Marot, Clément 1495-1544
 - .32 **Rabelais, François** 1495-1553
 - .33 *La Satyre Ménippée* 1594
 - .34 Aubigné, Théodore Agrippa d' 1550-1630
 - .35 Regnier, Mathurin 1573-1613
 - .4 Classic period 1600-1715**
 - .41 Viau, Théophile de 1590-1626
 - .42 Saint Amant, Marc Antoine Gérard 1594-1661
 - .43 Scarron, Paul 1610-60
 - .44 Benserade, Isaac de 1612-91
 - .45 Furetière, Antoine 1620-88
 - .46 **Boileau Despréaux, Nicolas** 1636-1711
 - .47 Regnard, Jean François 1655-1709
 - .5 18th century 1715-89**
 - .51 Gresset, Jean Baptiste Louis 1709-77
 - .52 Gilbert, Nicolas Joseph Laurent 1751-80
 - .7 Constitutional monarchy 1815-48**
 - .71 Barthélemy, August Marseille 1796-1867
 - .72 Barbier, Henri Auguste 1805-82
- 848 French miscellany** *Subdivided by periods like 841*

849 Provençal literature

- .6 Provençal poetry
- .11 1st period 900-1100
Poetry in hands of clergy. No folk poetry preservd. Form mainly epic. Language not yet fixt. Country under rule of counts, nominally subject to emperor, really independent till 1486, then reunited to France
- .111 Epic poetry
Boethius
- .112 Lyric poetry
- .119 Minor poetry Didactic
- .12 Golden age 1100-1300
Poets mainly knights, but after 1250 almost exclusively burghers. Lyric most important
- .121 Romances of chivalry
Girart de Rossilho
- .122 Historical poetry
Croisade contre les Albigeois
- .123 Romans d'aventures
Flamenca
- .124 Lyric poetry
- .125 Bernart de Ventadorn, flourisht about 1140-95
- .126 Born, Bertran de " " 1180-95
- .127 Arnaut, Daniel " " 1180-1200
- .128 Borneill, Guiraut de " " 1175-1220
- .129 Minor poetry
Nearly 500 poets named beside anonymous poems. Form prevails over content; great variety of poetic forms. These lyric poets are the real Troubadours
- .13 Aftermath 1300-1500
Downfall of language and literature owing to lack of content and to political and social causes, specially the crusade against the Albigenes
- .131 Poets of school of Toulouse
Arnaut Vidal, first recipient of the Golden Violet, 1324. Poetry artificial, a craft. Las Leys d'Amors is the code of poetic laws, by Guillem Molinier, chancellor of 'Consistory de la gaya sciensa' establisht at Toulouse 1324. First prize a golden violet. When in danger of perishing, consistory revived in 1484 and poetic exercises styled 'Jeux floraux'
- .132 La Noble Leyczon
Religious poetry of Waldenses
- .139 Minor poetry
- .14 Decadence 1500-
Provençal sinks to position of a dialect despite fitful attempts to revive it, the most recent, that connected with publication of Li Provençalo 1852
- .141 Goudouli, Pierre de 1579-1649
- .142 Despourrins, Cyprien 1698-1755
- .143 Jasmin, Jacques 1798-1864
- .144 Roumanille, Joseph 1818-91
- .145 Aubanel, Jos. Marie J. Baptiste Théodore 1829-86
- .146 Mistral, Frédéric 1830-1914
- .149 Minor poetry

DECIMAL CLASSIFICATION

- 849.9 Catalan literature**
- .91 Catalan poetry**
 - .911 1st period** 1200-1350
Catalonia before 1137 ruled by French counts, then united to Aragon. Language is closely allied to Provençal, in which first poets wrote. *Mss* scattered; few as yet printed. Literature begins with James I (1213-76) who made Catalan the state language
For Ramon Muntaner see 849.9813
1 Raimon Lull 1225-1315 2 Febler 1250 9 Minor poets
 - .912 2d period** 1350-1450
Imitation of Neo Provençal, French and Italian, specially of Dante, Petrarch and Boccaccio. Some flashes of originality. Fra Rocaberti. Imitation of Dante
 - .913 Age of perfection** 1450-
From 16th century, Catalan literature merged in Spanish, tho some writers still employ idiom, e. g. 'Balaguer'
1 March, Ausias -1460, greatest of Catalan poets 2 Fenolla, Bernard
3 Jacme Roig (satiric) 4 Farrer 5 Serafi 6 Pujol 7 Garcia
9 Minor poets
 - .93 Catalan fiction**
 - .933 Age of perfection** 1450-
Joanet Martorel -1400. *Tirant lo Blanch*, a chivalric romance
 - .98 Miscellany**
 - .981 1st period** 1200-1350
Prose superior to poetry. Chronicles of great importance, culminating in Muntaner
1 James I (The Conqueror) 1213-76 2 Desclot, Bernardo 3 Muntaner, Ramon 1265-1340 4 Ximenes 9 Minor authors
 - .982 2d period** 1350-1450
Prose resists foren influences better than poetry. Many philosophic and theologic writings beside historical works
1 Tomich 2 Turell 9 Minor writers

850 Italian literature

850.1 Philosophy .2 Compendis .3 Dictionaries .4 Essays, lectures and addresses on Italian literature .5 Periodicals .6 Societies .7 Study and teaching .8 Collections .9 History

851 Italian poetry

.02 Dramatic .03 Romantic and epic .04 Lyric, ballads .05 Didactic
.06 Descriptiv .07 Satiric and humorous .08 Collections .09 History
of Italian poetry

- .1 Early Italian Age of Dante -1375**
To deth of Boccaccio, 1375
- .11** Protonotario, Stefano -1250
- .12** Arezzo, Guittone d' -1294
- .13** Guinelli, Guido -1276
- .14** Cavalcanti, Guido 1260-1300
- .15** Alighieri, Dante 1265-1321
- .16** Pistoia, Cino da 1270-1336
- .17** Uberti, Fazio degli -1369
- .18** Petrarca, Francesco 1304-74
- .19** Minor poets
- .2 Period of classic learning 1375-1492**
From deth of Boccaccio, 1375, to deth of Lorenzo il Magnifico, 1492
- .21** Frezzi, Federigo -1416
- .22** Bojardo, Matteo 1430-94
- .23** Medici, Lorenzo dei (Il Magnifico) 1448-92
- .24** Poliziano, Angelo 1454-94
- .25** Benivieni, Girolamo 1453-1542 See 852.22
- .26** Sannazzaro, Jacopo 1458-1530
- .29** Minor poets
- .3 Age of Leo the Tenth 1492-1542**
From deth of Lorenzo il Magnifico, 1492, to convocation of council of Trent, 1542
- .31** Bembo, Pietro 1470-1547
- .32** Ariosto, Lodovico 1474-1533
- .33** Rucellai, Giovanni 1475-1526
- .34** Molza, Francesco 1483-1544 See 853.33
- .35** Tasso, Bernardo 1493-1569
- .36** Alamanni, Luigi 1495-1556
- .37** Guidiccioni, Giovanni 1500-41
- .38** Casa, Giovanni della 1503-56
- .39** Minor poets
- .4 Later 16th century 1542-85**
From convocation of council of Trent, 1542, to pontificate of Sixtus 5, 1585
- .41** Costanzo, Angelo di 1507-91
- .42** Rota, Bernardino 1509-75
- .43** Tansillo, Luigi 1510-68
- .44** Magno, Celio 1536-1602
- .45** Guarini, Giovambattista 1537-1612
- .46** Tasso, Torquato 1544-95
- .47** Baldi, Bernardino 1553-1617
- .49** Minor poets

DECIMAL CLASSIFICATION

- 851.5 Period of decline 1585-1748**
 From pontificate of Sixtus 5, 1585-90, to peace of Aix-la-Chapelle, 1748
- | | | |
|-----|--------------------------|-----------|
| .51 | Chiabrera, Gabriello | 1552-1637 |
| .52 | Marini, Giovambattista | 1569-1625 |
| .53 | Testi, Fulvio | 1593-1646 |
| .54 | Filicaja, Vincenzo | 1642-1707 |
| .55 | Guidi, Alessandro | 1650-1712 |
| .56 | Manfredi, Eustachio | 1674-1738 |
| .57 | Frugoni, Carlo Innocenzo | 1692-1768 |
| .58 | Algarotti, Francesco | 1712-64 |
| .59 | Minor poets | |
- .6 Period of renovation 1748-1814**
 From peace of Aix-la-Chapelle, 1748, to congress of Vienna, 1814
- | | | |
|-----|----------------------|-----------|
| .61 | Paradisi, Agostino | 1736-83 |
| .62 | Mascheroni, Lorenzo | 1750-1800 |
| .63 | Pindemonte, Ippolito | 1753-1828 |
| .64 | Monti, Vincenzo | 1754-1828 |
| .65 | Cassi, Francesco | 1778-1846 |
| .66 | Foscolo, Ugo | 1779-1827 |
| .67 | Arici, Cesare | 1782-1836 |
| .68 | Sestini, Bartolommeo | 1792-1822 |
| .69 | Minor poets | |
- .7 Early 19th century 1814-59**
 From congress of Vienna, 1814, to war of Independence, 1859
- | | | |
|-----|---------------------|----------------------|
| .71 | Berchet, Giovanni | 1783-1851 |
| .72 | Rossetti, Gabriello | 1783-1854 |
| .73 | Manzoni, Alessandro | 1785-1873 See 853.73 |
| .74 | Marchetti, Giovanni | 1790-1852 |
| .75 | Leopardi, Giacomo | 1798-1837 |
| .76 | Carrer, Luigi | 1801-50 |
| .77 | Regaldi, Giuseppe | 1800-83 |
| .78 | Prati, Giovanni | 1815-84 |
| .79 | Minor poets | |
- .8 Later 19th century 1859-1900**
 From war of Independence, 1859, to 1900
- | | | |
|-----|--------------------|-----------|
| .81 | Aleardi, Aleardo | 1810-78 |
| .82 | Zanella, Giacomo | 1820-88 |
| .83 | Gnoli, Domenico | 1838- |
| .84 | Carducci, Giosuè | 1835-1907 |
| .85 | Fogazzaro, Antonio | 1842-1911 |
| .86 | Rapisardi, Mario | 1844- |
| .87 | Guerrini, Olindo | 1845- |
| .88 | | |
| .89 | Minor poets | |
- .91 Early 20th century 1901-**
- 852 Italian drama**
- | | | |
|-----|-----------------------------------|--------------------|
| .1 | Early Italian Age of Dante | -1375 |
| .2 | Period of classic learning | 1375-1492 |
| .21 | Belcari, Feo | 1410-84 |
| .22 | Poliziano, Angelo | 1454-94 See 851.24 |
| .29 | Minor dramatists | |

LITERATURE

- 852.3 Age of Leo the Tenth 1492-1542**
- .31 Machiavelli, Niccolò 1469-1527 *See also 854.31*
- .32 Dovizi, Bernardo (Cardinal Bibbiena) 1470-1520
- .33 Trissino, Gian Giorgio 1478-1550
- .34 Aretino, Pietro 1492-1556
- .35 Ambra, Francesco d' -1558
- .39 Minor dramatists
- .4 Later 16th century 1542-85**
- .41 Speroni, Sperone 1500-88
- .42 Giraldi, G. B. Cinzio 1504-73 *See also 853.44*
- .43 Cecchi, Giovanni Maria 1517-87
- .44 Asinari, Federigo 1527-76
- .45 Porta, Giovambattista della 1538-1615
- .49 Minor dramatists
- .5 Period of decline 1585-1748**
- .51 Buonarroti, Michelangiolo jr 1564-1646
- .52 Rinuccini, Ottavio 1565-1622
- .53 Andreini, Giovambattista 1578-1650
- .54 Gigli, Girolamo 1660-1722
- .55 Zeno, Apostolo 1669-1750
- .56 Maffei, Scipione 1675-1755
- .57 Trapassi, Pietro (Metastasio) 1698-1782
- .59 Minor dramatists
- .6 Period of renovation 1748-1814**
For Manzoni, see 851.73 and 853.72
- .61 Goldoni, Carlo 1707-73
- .62 Gozzi, Carlo 1722-1806
- .63 Capacelli Albergati, Francesco 1728-1804
- .64 Alfieri, Vittorio 1749-1803
- .65 Nota, Alberto 1775-1847
- .66 Biondi, Luigi 1776-1839
- .67 Benedetti, Francesco 1785-1821
- .69 Minor dramatists
- .7 Early 19th century 1814-59**
- .71 Niccolini, Giovambattista 1782-1861
- .72 Pellico, Silvio 1788-1854
- .73 Giacometti, Paolo 1816-81
- .74 Gherardi del Testa, Tommaso 1818-82
- .75 Ferrari, Paolo 1822-89
- .79 Minor dramatists
- .8 Later 19th century 1859-1900**
- .81 Bersezio, Vittorio 1830-1900
- .82 Cossa, Pietro 1833-82
- .83 Carrera, Valentino 1834-95
- .84 Marengo, Leopoldo 1831-99
- .85 Cavallotti, Felice 1842-98
- .86 Torelli, Achille 1844-
- .87
- .88
- .89 Minor dramatists
- .91 Early 20th century 1901-**

853 Italian fiction

- | | | | | |
|-----|-----------------------------------|---|------------------|-----------------|
| .1 | Early Italian | Age of Dante | -1375 | |
| .11 | | "Centio Novelle Antiche" (Gualteruzzi's collection) | | |
| .12 | Barberino, Francesco da | | 1264-1348 | |
| .13 | Pisa, Guido da | | -1350 | |
| .14 | Gubbio, Bosone da | | | |
| .15 | Boccaccio, Giovanni | | 1313-75 | |
| .19 | Minor writers | | | |
| .2 | Period of classic learning | | 1375-1492 | |
| .21 | Sacchetti, Franco | | -1400 | |
| .22 | Fiorentino, Ser Giovanni | | | |
| .23 | Manetti, Antonio | | 1423-97 | |
| .24 | Mangabotti, Andrea dei | | | |
| .25 | Prato, Giovanni da | | | |
| .29 | Minor writers | | | |
| .3 | Age of Leo the Tenth | | 1492-1542 | |
| .31 | Salernitano, Masuccio | | | |
| .32 | Bandello, Matteo | | 1480-1561 | |
| .33 | Molza, Francesco | | 1483-1544 | See also 851.34 |
| .34 | Firenzuola, Agnolo | | 1493-1548 | |
| .39 | Minor writers | | | |
| .4 | Later 16th century | | 1542-85 | |
| .41 | Grazzini, Antonfrancesco (Lasca) | | 1503-83 | |
| .42 | Doni, Antonfrancesco | | 1513-74 | |
| .43 | Erizzo, Sebastiano | | 1525-85 | |
| .44 | Giraldi, G. B. Cinzio | | 1504-73 | See also 852.42 |
| .45 | Parabosco, Girolamo | | -1560 | |
| .49 | Minor writers | | | |
| .5 | Period of decline | | 1585-1748 | |
| .6 | Period of renovation | | 1748-1814 | |
| .7 | Early 19th century | | 1814-59 | |
| .71 | Rosini, Giovanni | | 1776-1855 | |
| .72 | Manzoni, Alessandro | | 1785-1873 | See also 851.73 |
| .73 | Grossi, Tommaso | | 1791-1853 | |
| .74 | Guerrazzi, Francesco Domenico | | 1804-73 | |
| .75 | Bresciani, Antonio | | 1798-1862 | |
| .76 | Cantù, Cesare | | 1807-95 | |
| .77 | Carcano, Giulio | | 1812-83 | |
| .78 | Azeglio, Massimo d' | | 1800-66 | |
| .79 | Minor writers | | | |
| .8 | Later 19th century | | 1859-1900 | |
| .81 | Castellazzo, Luigi | | 1827-90 | |
| .82 | Barrili, Anton Giulio | | 1836-1908 | |
| .83 | Capuana, Luigi | | 1839-1917 | |
| .84 | Verga, Giovanni | | 1840- | |
| .85 | Faldella, Giovanni | | 1846- | |
| .86 | Farina, Salvatore | | 1846- | |
| .87 | Giovagnoli, Raffaele | | 1838- | |
| .88 | Serao, Matilde | | 1856- | |
| .89 | Minor writers | | | |
| .91 | Early 20th century | | 1901- | |

854 Italian essays

- | | | | | |
|-----|-----------------------------------|-----------------------------|------------------|-----------------|
| .1 | Early Italian | Age of Dante | -1375 | |
| .11 | | Cavalca, Fra Domenico | -1342 | |
| .12 | | Passavanti, Fra Jacopo | -1357 | |
| .2 | Period of classic learning | | 1375-1492 | |
| .21 | | Alberti, Leone Battista | 1404-72 | |
| .22 | | Palmieri, Matteo | 1405-75 | |
| .23 | | Bisticci, Vespasiano da | 1421-98 | |
| .24 | | Collenuccio, Pandolfo | -1504 | |
| .25 | | Vinci, Leonardo da | 1452-1519 | |
| .29 | | Minor essayists | | |
| .3 | Age of Leo the Tenth | | 1492-1542 | |
| .31 | | Machiavelli, Niccolò | 1469-1527 | See also 852.31 |
| .32 | | Nardi, Jacopo | 1476-1555 | |
| .33 | | Castiglione, Baldassare | 1478-1529 | |
| .34 | | Guicciardini, Francesco | 1482-1540 | |
| .35 | | Giannotti, Donato | 1494-1573 | |
| .36 | | Giambullari, Pier Francesco | 1495-1555 | |
| .37 | | Gelli, Giovambattista | 1498-1563 | |
| .38 | | Varchi, Benedetto | 1503-66 | |
| .39 | | Minor essayists | | |
| .4 | Later 16th century | | 1542-85 | |
| .41 | | Castelvetro, Ludovico | 1505-71 | |
| .42 | | Piccolomini, Alessandro | 1508-78 | |
| .43 | | Borghini, Vincenzo | 1515-80 | |
| .44 | | Davanzati, Bernardo | 1529-1606 | |
| .45 | | Salviati, Leonardo | 1540-89 | |
| .46 | | Ammirato, Scipione | 1531-1601 | |
| .47 | | Paruta, Paolo | 1540-98 | |
| .48 | | Botero, Giovanni | 1540-1617 | |
| .49 | | Minor essayists | | |
| .5 | Period of decline | | 1585-1748 | |
| .51 | | Sarpi, Paolo | 1550-1623 | |
| .52 | | Galilei, Galileo | 1564-1642 | |
| .53 | | Bartoli, Daniele | 1608-85 | |
| .54 | | Dati, Carlo | 1619-75 | |
| .55 | | Gravina, Giovanni Vincenzo | 1664-1718 | |
| .56 | | Muratori, Ludovico Antonio | 1672-1750 | |
| .57 | | Giannone, Pietro | 1676-1748 | |
| .58 | | Zanotti, Francesco Maria | 1692-1777 | |
| .59 | | Minor essayists | | |
| .6 | Period of renovation | | 1748-1814 | |
| .61 | | Bettinelli, Saverio | 1718-1808 | |
| .62 | | Denina, Carlo | 1730-1813 | |
| .63 | | Tiraboschi, Girolamo | 1731-94 | |
| .64 | | Lanzi, Luigi | 1732-1810 | |
| .65 | | Beccaria, Cesare | 1735-93 | |
| .66 | | Filangeri, Gaetano | 1752-88 | |
| .67 | | Cesari, Antonio | 1760-1828 | |
| .68 | | Perticari, Giulio | 1779-1822 | |
| .69 | | Minor essayists | | |

DECIMAL CLASSIFICATION

854.7	Early 19th century	1814-59	
.71	Costa, Paolo		1771-1836
.72	Giordani, Pietro		1774-1848
.73	Troya, Carlo		1785-1859
.74	Balbo, Cesare		1789-1853
.75	Capponi, Gino		1792-1878
.76	Mamiani della Rovere, Terenzio		1800-85
.77	Gioberti, Vincenzo		1801-53
.78	Tommaséo, Niccolò		1802-74
.79	Minor essayists		
.8	Later 19th century	1859-1900	
.81	Sanctis, Francesco de		1818-83
.82	Bonghi, Ruggiero		1827-95
.83	Conti, Augusto		1822-1905
.84	Villari, Pasquale		1827-1917
.85	Ardigò, Roberto		1828-
.86	Comparetti, Domenico		1835-
.87	Zumbini, Bonaventura		1840-
.88	Panzacchi, Enrico		1841-1904
.89	Minor essayists		
.91	Early 20th century	1901-	
855	Italian oratory		
856	Italian letters		
857	Italian satire and humor		
.1	Early Italian	Age of Dante	-1375
.11	Gemignano, Folgore da San		
.12	Chitarra, Cene dalla		
.13	Angiulieri, Cecco		
.14	Pucci, Antonio		-1377
.19	Minor writers		
.2	Period of classic learning	1375-1492	
.21	Burchiello, Domenico		1395-1448
.22	Pulci, Luigi		1432-84
.23	Vinciguerra, Antonio		
.29	Minor writers		
.3	Age of Leo the Tenth	1492-1542	
.31	Polengo, Teofilo (Merlin Cocai)		1491-1544
.32	Berni, Francesco		1496-1535
.39	Minor writers		
.4	Later 16th century	1542-85	
.41	Nelli, Pietro		
.42	Beccuti, Francesco		1509-53
.43	Caporali, Cesare		1531-1601
49	Minor writers		

LITERATURE

857.5	Period of decline	1585-1748	
.51	Tassoni, Alessandro		1565-1635
.52	Bracciolini, Francesco		1566-1645
.53	Lalli, Giovambattista		1572-1637
.54	Lippi, Lorenzo		1606-64
.55	Rosa, Salvatore		1615-73
.56	Menzini, Benedetto		1646-1704
.57	Sergardi, Ludovico		1660-1726
.58	Fortiguerra, Niccolò		1674-1735
.59	Minor writers		
.6	Period of renovation	1748-1814	
.61	Gozzi, Gasparo		1713-86
.62	Passeroni, Gian Carlo		1713-1803
.63	Casti, Giovambattista		1721-1803
.64	Parini, Giuseppe		1739-99
.65	Baretti, Giuseppe		1716-89
.66	Elci, Angelo Maria d'		1754-1824
.67	Pananti, Filippo		1766-1837
.69	Minor writers		
.7	Early 19th century	1814-59	
.71	Giusti, Giuseppe		1809-50
.8	Later 19th century	1859-1900	
.91	Early 20th century	1901-	

858 Italian miscellany

.8	Later 19th century	1859-1900	
.81	Gubernatis, Angelo de		1840-
.82	Amicis, Edmondo de		1846-1908

859 Wallachian literature

- .1 Poetry .2 Drama .3 Fiction .4 Essays .5 Oratory .6 Letters
 .7 Satire and humor .8 Miscellany

.9	Romansh literature	
	Subdivided like 859	

860 Spanish literature

860.1 Philosophy .2 Compendis .3 Dictionaries .4 Essays .5 Periodicals
 .6 Societies .7 Study and teaching .8 Collections .9 History

861 Spanish poetry

.02 Dramatic .03 Romantic and epic .04 Lyric, ballads .05 Didactic
 .06 Descriptiv .07 Satiric and humorous .08 Collections .09 History
 of Spanish poetry

.1 Early Spanish -1369

In 711 the Visigothic kingdom, founded in the 5th century, was overthrown by Arabs: 711-1492 Arabic period or Age of reconquest
 Literature began in first half of 12th century. Earliest poetry, epic; subjects national, themes war and religion (861.11-12). These were followed by an erudite tendency toward classic tradition neglecting national themes (861.13 and .14) which were however revived toward the close of the period (861.15) by continued victories over Moors under Alfonso 11th, 1312-50, thereafter reaction again toward didactic (861.16). Under Alfonso the Wise, 1252-84, a general intellectual awakening, but leading to greater results in prose than in poetry. Thru him (1) Provençal (and Galician) and (2) Oriental influences were introduced. In Provençal literature chief attention was given to perfection of poetic form. The Oriental was didactic in content, symbolic in form.

.11 Primitiv monuments

- .12 **Poema de mio Cid**
 .13 Berceo, Gonzalo de 1196-1266
 .14 Segura de Astorga, Juan Lorenzo 1250
 .15 Yañez Ruy (Cronica del Rey Alfonso Onceno)
 .16 Sem Tob, Rabbi 1350
 .19 Minor poets

.2 Age of imitation 1369-1516

Henry 2d to Carlos 1st, Charles 5th of Germany. 1479, Union of Castile and Arragon. Under Ferdinand and Isabella all Spain was brought under one scepter. Provençal and didactic tendencies continue; a third element was Italian influence. There were 3 distinct schools:

- 1 Provençal, specially influential at court
 2 Italian (Dante) or Allegoric, introduced by Francisco Imperial, a Genoese. (Mena, 861.22)
 3 Didactic. A protest against the Italian school in behalf of national literary traditions. (Ayala, 861.21)
- .21 Lopez de Ayala, Pedro 1332-1407
 .22 Mena, Juan de 1411-56
 .23 Mendoza, Ifigo Lopez de, Marqués de
 Santillana 1398-1458
 .24 Manrique, Jorge 1440-79
 .25 Los Cancioneros } Collections of poetry
 .26 Los Romances }
 .27 **Romancero del Cid**
 'Romances' popular poetry, peculiar to Spain, and generally anonymous
 period of production, from earliest times to 18th century. Golden Age
 during reign of Ferdinand and Isabella, a grand reawakening coming with
 the fall of Granada, 1492
- .29 Minor poets

LITERATURE

861.3 Golden age 1516-1700

Rule of House of Austria. Painting culminates in this period: Morales 1509-86; Coello 1515-90; Joanes 1523-79; The Herrera — 16th century; Ribera 1588-1656; Zurbaran 1598-1662; Velazquez 1599-1660; Cano 1601-67; Murillo 1618-82, etc. Fierce opposition to the Reformation intensified religious sentiment and produced a school of mystics. The sentiment of nationality became a dream of universal monarchy. The chivalric cult of woman was replaced by an exaggerated conception of female honor, the least suspicion of frailty being visited with death. Great number of poets. Nothing notable in epic; lyric very prominent; at first Italian influences more intensified, Petrarch the model. This movement, begun by Juan Boscan 1500(?)—1543, culminated in Garcilaso (861.31). The protest against this in favor of national traditions is best represented by Castillejo (861.32). Mendoza (861.36) represents a conciliation. A fusion of 2 schools follows in which the Italian wins the major influence. Thereafter appear 2 new schools:

- 1 Classic, opposed to the fusion and represented by Leon (861.33) and the Argensolas (861.34) and
- 2 Sicilian or Oriental (inspired specially by the Bible) of which Herrera (861.35) is standard bearer. First manifestations of 'bad taste' appear (founder of school, Alonso de Ledesma 1552-1623) represented by Gongora (861.37) which despite opposition (Rioja 861.38) produces rapid decadence. Bad taste consisted in artificialities, exaggerations, obscurities, etc.

.31	Vega, Garcilaso de la	1503-36
.32	Castillejo, Cristóbal de	1494-1596
.33	Leon, Luis Ponce de	1528-91
	Leon is equally important in prose	
.34	Los Argensolas: Lupercio	1563-1613
	Bartolomé Leonardo	1564-1631
.35	Herrera, Fernando de	1534-97
.36	Mendoza, Diego Hurtado de	1503-75
.37	Góngora y Argote, Luis de	1561-1627
.38	Rioja, Francisco de	1600-59
.39	Minor poets	

.4 18th century 1700-1800

At death of Carlos 2d (1700) war of succession resulted in firm establishment of house of Bourbon, which, with brief interruptions, has continued to rule. Spanish political importance lost. At opening of century complete decadence, 'bad taste' every where dominant. Attempts made to regenerate Spanish letters according to principles of French classicism. Little advance, however, till close of century, despite foundation of academies (Spanish academy, 1714) and doctrinal reform in French sense, proclaimed by Luzan (1702-54) in *La poetica*, etc. Thereafter a kind of revival. 3 schools formed:

- 1 Classic French. Moratin the elder (861.41); Cadalso (861.42); Yriarte (861.45) and Samaniego (861.44)
- 2 Antique national, protesting against introduction of French taste. Huerta (861.43)
- 3 Salamanca school, an attempt to reconcile the first 2, avoiding their extravagances and conserving what was good in each. Valdés (861.46); Iglesias (861.47); Cienfuegos (861.48); Moratin the younger (862.42) and Jovellanos (868.42). 'Prosaism' production of exaggerated opposition to Gongorism or 'bad taste' also characterizes period. Influence of French encyclopedism also manifest. Development of science checked by religious (Inquisition) and political despotism. Rich development of fables and apoloqs in verse. Samaniego (861.44) and Yriarte (861.45). In epic, complete poverty

.41	Moratin (the Elder), Nicolás Fernandez de	1737-80
.42	Cadalso, José de	1741-82
.43	Huerta, Vicente Antonio García de la	1734-87
.44	Samaniego, Félix María de	1745-1801
.45	Yriarte, Tomás de	1750-91
.46	Valdés, Juan Melendez	1754-1817
.47	Iglesias de la Casa, José	1748-91
.48	Cienfuegos, Nicasio Alvarez de	1764-1809
.49	Minor poets	

DECIMAL CLASSIFICATION

861.5 19th century 1800-1900

Abdication of Carlos 4th, 1808; Joseph 1st (Bonaparte) 1808-13. Ferdinand 7th restored. Salic law abrogated, opening succession to daughter Isabella. Carlist insurrections (upholding Salic law) queld. Isabella driven from throne by revolution 1868; 1870-73 Amadeo (Savoy house), 1873, Amadeo abdicates and republic proclaimed; monarchy restored with Alfonso 12th in 1875. Age, till close of Ferdinand's reign, very unfavorable to letters. Under Carlos 4th (1788-1808) despotism reintroduced and revolution followed. Policy of Ferdinand 7th, after restoration (1813-33), retrograde. An interregnum in letters. First real awakening with Espronceda (861.52). Same fluctuations as in previous period. Romantic school introduced by Zorrilla (861.53)

- .51 Quintana, Manuel José 1772-1857
- .52 Espronceda, José de 1810-42
- .53 Zorrilla y Moral, José 1817-90
- .54 Gutierrez, Antonio García 1812-84
- .55 Gil y Zárate, Antonio 1792-1861
- .56 Hartzembusch, Juan Eugenio 1806-80
- .59 Minor poets

.6 Early 20th century 1901-

862 Spanish drama

.2 Age of imitation 1369-1516

Evidences of existence of 'mysteries' but no remains

- .21 Enzina, Juan del (?)1468-1534
- .22 Vicente, Gil (?)1450-1536

.3 Golden age 1516-1700

Drama of this period is chief glory of Spanish letters; writers show a phenomenal fecundity (at 70 'Lope' had written 1500 dramas), 30,000 dramas composed by beginning of 18th century. At opening of period Church tried to check development of profane drama, placing nearly all in the *Index*. Torres Naharro (works pub. 1517) and Lope de Rueda (d. 1567) form transition from preceding period. Latter, reputed father of national theater. Lope de Vega (862.31) real founder. Drama culminates in Calderon (862.35); thereafter decadence

- .31 Vega Carpio, Lope Felix de 1562-1635
- .32 Castro y Belvis, Guillen de 1567-1621
- .33 Tellez, Gabriel (Tirso de Molina, pseud.) (?)1570-1648
- .34 Alarcon y Mendoza, Juan Ruiz de (?)1580-1639
- .35 Calderon de la Barca, Pedro 1600-81
- .36 Rojas y Zorrilla, Francisco de 1607-
- .37 Moreto y Cabaña, Agustin 1618-69
- .39 Minor dramatists

.4 18th century 1700-1800

Complete decadence of drama in last years of old monarchy. Revival in 18th century, following French classic drama. Culminates in Moratin the younger (862.42). Opposition of National school voiced in Huerta (861.43). Discussions provoke abundant productions, fecundity rather than merit characterizing mass of writers, Comella (862.41) — Period of unrest; old ideas can not be reestablished, new can not be naturalized. For Moratin the elder, see 861.41; Huerta, 861.43

- .41 Comella, Luciano Francisco 1716-79
- .42 Moratin, Leandro Fernandez de 1760-1828
- .43 Cruz, Ramon de la (Light comedies) 1731-95
- .49 Minor dramatists

.5 19th century 1800-1900

Zorrilla (861.53), Gutierrez (861.54), and Rubí (862.52) represent 'romantic' movement in Spanish drama. For Gil y Zárate, see 861.55; Hartzembusch, 861.56

- .51 Martinez de la Rosa, Francisco 1789-1862
- .52 Rodriguez Rubí, Tomás 1817-90
- .53 Bretón de los Herreros, Manuel 1796-1873
- .59 Minor dramatists

.6 Early 20th century 1901-

863 Spanish fiction

- .2 **Age of imitation 1369-1516**
Immense vogue of books of chivalry despite legislation till publication of *Don Quijote*; thereafter only one written. [First part of *Quijote* printed 1605]
- .21 Books of chivalry
- .22 **Amadis de Gaula**
- .23 **Celestina**
- .3 **Golden age 1516-1700**
Real novel replaces old books of chivalry about 1500. 'Picaresca,' or 'rogue' novel characteristic of this period; a result of the state of society following wars of Charles 1st and Philip 2d, e. g. Mendoza's *Lasarillo de Tormes*. For Mendoza, see 861.36
- .31 Montemayor, Jorge de 1520-61
- .32 Cervantes Saavedra, Miguel de 1547-1616
- .39 Minor novelists
- .4 **18th century 1700-1800**
- .5 **19th century 1800-1900**
For Bretón de los Herreros, see 862.53; and Rodríguez Rubí, 862.52
- .51 Larra, Mariano José de [Figaro] 1809-37
- .52 Mesonero y Romanos, Ramón de 1803-82
- .53 Arrom, Cecilia Boehl de [Fernan Caballero] 1797-1877
- .59 Minor writers
- .6 **Early 20th century 1901-**

864 Spanish essays

865 Spanish oratory

Hardly any forensic and little sacred eloquence. When language and culture advanced, privileges of Cortes restrained. Sacred eloquence less employed by Spanish church than by French or English. Gongorism or 'bad taste' conquers here as elsewhere

- .1 **Early Spanish -1369**
- .2 **Age of imitation 1369-1516**
- .3 **Golden age 1516-1700**
For Luis de Leon, see 861.33; and Luis de Granada, 868.32
- .4 **18th century 1700-1800**
For Jovellanos, see 868.42; and Valdés, 861.46
- .5 **19th century 1800-1900**
- .51 Olozaga, Salustiano de 1803-73
- .52 Castelar, Emilio 1832-99
- .6 **Early 20th century 1901-**

866 Spanish letters

- .3 **Golden age 1516-1700**
Naturalness of old times changed with majestic court and rigid etiquet of Charles 5th. For Santa Teresa, see 868.33
- .31 Avila, Juan de 1502-69
- .32 Perez, Antonio 1540-1611
- .39 Minor writers

DECIMAL CLASSIFICATION

867 Spanish satire

- .1 **Early Spanish -1369**
Ruiz, Juan (Arcipreste de Hita) 1350
- .2 **Age of imitation 1369-1516**
Coplas de Mingo Revulgo
- .3 **Golden age 1516-1700**
Quevedo Villegas, Francisco Gomez de 1580-1645
- .4 **18th century 1700-1800**
For Cadalso, see 861.42; and Moratin the younger, 862.42
- .41 Jorge Pitillas (a pseudonym)
- .42 Isla, José Francisco de (el Padre) 1703-81

868 Spanish miscellany

- .1 **Early Spanish -1369**
- .11 Alfonso 10, el Sábio 1221-84
- .12 Sancho el Bravo (4th of Castile) 1258-95
- .13 Manuel, Juan 1282-1347
- .14 Alfonso 11 1310-50
- .19 Minor writers
- .2 **Age of imitation 1369-1516**
General and special histories, books of travel, works cald forth by Boccaccio's *Coraccio*, etc.
- .3 **Golden age 1516-1700**
Didactic prose. Considerable development, tho less than poetry, owing in great measure to political and religious restraints. 'Bad taste' manifests itself here as elsewhere. Luis de Granada, Santa Teresa, San Juan de la Cruz, Pedro de Rivadeneyra and Luis de Leon, representatives of Mystic school
For Luis de Leon, see 861.33; and Quevedo y Villegas, 867.3
- .31 Mariana, Juan de, founder of Spanish history 1536-1623
- .32 Granada, Luis de 1504-88
- .33 Teresa de Jesús, Santa 1513-82
- .34 Cruz, San Juan de la 1542-91
- .35 Rivadeneyra, Pedro de 1527-1611
- .36 Saavedra Fajardo, Diego de 1584-1648
- .39 Minor writers
- .4 **18th century 1700-1800**
Under Carlos 3d (1759-88) scientific studies took a fresh start, due largely to Feijóo, who attempted intellectual emancipation of Spain. Prose advances under French influence, Gallicisms introduced
- .41 Peijóo y Montenegro, Benito Jerónimo 1676-1764
- .42 Jovellanos, Gaspar Melchor de 1744-1811
- .49 Minor writers
- .5 **19th century 1800-1900**
For Hartzembusch, J E, see 861.56
- .51 Gayangos, Pascual de 1809-97
- .52 Rios, José Amador de los 1818-78
- .53 Milá y Pontanals, Manuel 1818-84
- .59 Minor writers
- .6 **Early 20th century 1901-**

869 Portuguese literature

- .1 Poetry
- .2 Drama
- .3 Fiction
- .4 Essays
- .5 Oratory
- .6 Letters
- .7 Satire and humor
- .8 Miscellany

870 Latin literature

- .1 Philosophy .2 Compendis .3 Dictionaries, cyclopedias .4 Essays
 .5 Periodicals .6 Societies .7 Study and teaching .8 Collections .9 History
 of Latin literature

871 Latin poetry in general

See Dramatic, Epic and Lyric below

- .1 **Lucretius Carus, Titus**
 .2 **Ovid (Publius Ovidius Naso)**
 .3 **Hyginus, Caius Julius**
 .4 **Faliscus, Gratius**
 .5 **Manilius, Marcus**
 .6 **Phaedrus**
 .7 **Lucilius Junior** *Etna*
 .8

872 Latin drama

- .1 **Andronicus, Livius**
 .2 **Naeuius, Cnaeus**
 .3 **Plautus, Titus Maccius**
 .4 **Ennius**
 .5 **Terence (Publius Terentius Afer)**
 .6 **Seneca, Lucius Annaeus** See also 878.5
 .7

873 Latin epic poetry

- .1 **Virgil (Publius Virgilius Maro)**
 .2 **Lucanus, Marcus Annaeus**
 .3 **Flaccus, Caius Valerius**
 .4 **Silius Italicus, Caius**
 .5 **Statius, Publius Papinius**
 .6

874 Latin lyric poetry

- .1 **Catullus, Tibullus and Propertius**
 .2 **Catullus, Valerius**
 .3 **Tibullus, Albius**
 .4 **Propertius, Sextus Aurelius**
 .5 **Horace (Quintus Horatius Flaccus)** See also 877.3
 .6 **Calpurnius Siculus**
 .7

DECIMAL CLASSIFICATION

875 Latin oratory

- .1 Cicero, Marcus Tullius: complete works
For Cicero's letters see 876.1
- .2 Orations
- .3 Rhetorical works
- .4 Philosophic works See also 186.3
- .5 Messala Corvinus, Marcus Valerius
- .6 Quintilian (Marcus Fabius Quintilianus)
- .7

876 Latin letters

- .1 Cicero, Marcus Tullius For his other works see 875.1-875.4
- .2 Pliny (Caius Plinius Caecilius Secundus)
- .3 Fronto, Marcus Cornelius
- .4

877 Latin satire and humor

- .1 Lucilius, Caius
- .2 Cato, Valerius
- .3 Horace See 874.5
- .4 Persius Flaccus, Aulus
- .5 Petronius Arbiter, Caius
- .6 Martial (Marcus Valerius Martialis)
- .7 Juvenal (Decimus Junius Juvenalis)

878 Latin miscellany

- .1 Caesar, Caius Julius
- .2 Sallust (Caius Sallustius Crispus)
- .3 Nepos, Cornelius
- .4 Livy (Titus Livius Patavinus)
- .5 Seneca, Lucius Annaeus See also 872.6 and 188.6
- .6 Tacitus, Caius Cornelius
- .7 Suetonius Tranquillus, Caius
- .8 Curtius Rufus, Quintus
- .9 Minor writers

879 Medieval and modern Latin

Subdivided like 820. .1 Poetry .2 Drama .3 Fiction .4 Essays .5 Oratory
.6 Letters .7 Satire and humor .8 Miscellany

LITERATURE

880 Greek literature

Classic literature

- .1 Philosophy .2 Compenda .3 Dictionaries .4 Essays on Greek literature
.5 Periodicals .6 Societies .7 Study and teaching .8 Collections .9 History
of Greek literature

881 Greek poetry in general

See Dramatic, Epic, and Lyric, below

- .1 **Theognis**
.2 **Aratus**
.3 **Lycophron**
.4 **Babrius**

882 Greek dramatic poetry

- .1 **Æschylus**
.2 **Sophocles**
.3 **Euripides**
.4 **Aristophanes**
.5 **Epicharmus**
.6 **Menander**

883 Greek epic poetry

- .1 **Homer**
.2 **Hesiod**
.3 **Apollonius Rhodius**
.4 **Oppian**
.5 *Orphic poems*

884 Greek lyric poetry

- .1 **Tyrtaeus**
.2 **Sappho**
.3 **Anacreon**
.4 **Simonides of Ceos**
.5 **Pindar**
.6 **Theocritus**
.7 **Bion**
.8 **Callimachus**
.9 **Minor Greek lyric poets**

DECIMAL CLASSIFICATION

885 Greek oratory

- .1 Andocides
- .2 Lysias
- .3 Isaeus
- .4 Isocrates
- .5 Æschines
- .6 Demosthenes
- .7 Hyperides
- .8 Lycurgus
- .9 Minor Greek orators

886 Greek letters

- .1 Themistocles
- .2 Alciphron
- .3 Phalaris

887 Greek satire and humor

For comedies of Aristophanes see 882.4

- .1 Archilochus
- .2 Simonides of Samos
- .3 Hipponax

888 Greek miscellany

- .1 Herodotus
- .2 Thucydides
- .3 Xenophon
- .4 Plato See also 184.1 Platonic philosophy
- .5 Aristotle See also 185.1 Aristotelian philosophy
Or if preferd, the works of Plato and Aristotle may be put in 184.1 and 185.1
- .6 Æsop
- .7 Lucian
- .8 Plutarch See also 186.2
- .9 Minor writers

889 Medieval and modern Greek

- .1 Poetry .2 Drama .3 Fiction .4 Essays .5 Oratory .6 Letters
- .7 Satire and humor .8 Miscellany

890 Literature of minor languages

Subdivided like 490, Philology of minor languages. If wish 1 Poetry; 2 Drama, etc., can be used after the language number; e. g. Russian drama is 891.72, Hebrew poetry 892.41, Bengali poetry 891.441

History

900 History in general

901-909 all have *History in general* as their subject, but it is treated in these various forms. A periodical on English history goes with 942, not 905, which is only for periodicals on history in general. Naught (0) in any class number in any part of the classification shows the subject to be general, not specific

901 Philosophy, theories, etc. History of civilization

902 Compendis, chronologies, charts, outlines
For chronology as a science, see 529

903 Dictionaries, cyclopedias, etc.

904 Essays, lectures, addresses

905 Periodicals, historical magazines

906 Societies, transactions, etc.

907 Education, methods of teaching, writing, etc.
See also 371.3

908 Polygrafy, collected works, extracts, etc.

909 Universal and general modern histories

For general Ancient histories, see 930

.1 A. D. 476-1199	.5 1500-1599	.81 1800-99
.2 1200-1299	.6 1600-1699	.82 1900-99
.3 1300-1399	.7 1700-1799	
.4 1400-1499	.8 1800-	

910 Geografy and travels

Including topografy, maps, antiquities, descriptions, etc.

For map projection, see 526.9. See also 310 Statistics, 390 Customs and costumes

For directories, guidebooks, gazetteers, etc. of special countries or geografic sections see under those sections, 914-919

.1

.2

Traveler's manuals, guidebooks

.3

Dictionaries, gazetteers

.4

Circumnavigations, ocean travel, shipwrecks and disasters, piratic adventures

.5

Periodicals

.6

Societies

.7

Study and teaching of geografy: school map drawing

For primary teaching of geografy see 372.89

.8

Collections of travels, etc.

.9

History of geografy, travels, explorations, etc.

DECIMAL CLASSIFICATION

911 Historic Growth and changes in political divisions, etc. Subdivided like 930-999

~~912~~ Maps, atlases, plans of cities, etc.
Subdivided like 930-999

913 Antiquities, archeology, of special countries
See also 220.93 Biblical antiquities; 340.3 Legal antiquities; 571 Prehistoric archeology; 930 Ancient history; 390 Special customs

.3 Antiquities of ancient countries
Subdivided like 930, e. g. 913.32 Egyptian antiquities. Antiquities of countries having both ancient and modern history numbers should be class in 913.3

.4-.9 Antiquities of modern countries
Subdivided like 940-999, e. g. 913.42 English antiquities. See also note under 913.3

914 Europe
915 Asia
916 Africa
917 North America
918 South America
919 Oceania and Polar regions

914-919 is subdivided like 940-999. Whenever these main geographic headings occur they may be subdivided exactly like History: The full list of subheads is printed only under 940-999. In assigning numbers to travels, use the history tables, insert 1 after the initial 9, and move the decimal point; e. g. Guide to N. Y. city is 917.471, for N. Y. city in history tables is 974.71

920 **Biography**

Including autobiography, diaries, personal narratives, eulogies, biographic dictionaries, etc. All biography is here grouped together under the main classes, and subdivided in the same way with the variations indicated below for Philosophy, Theology, and Sociology, i. e. the biography of science is divided like science itself, see 500-599. Lives of chemists are 925.4; of botanists, 925.8; of sailors, 926.56; of actors, 927.92; of the inventor of hard rubber, 926.78, etc. The rule is to give each life the number of the subject it illustrates most, or to the student of which it will be most useful. Another plan is to scatter biography with the other books, leaving 920-928 blank, or using them only for general works, cross references, etc. This simply omits the first 2 figures 92, and the life of a botanist is 580 instead of 925.8, and goes with botanic books. This plan may be carried out more specifically where 9 has been used for the history of a subject, by adding for biography the figure 2, making the life of a botanist 580.92
Lives which will not go under any head without 'forcing' are best put in a single alphabet under the 3 figures 920 for men and under 920.7 for women

General and collectiv by localities

Including only collected lives too general to go under any subject heading

- .01 Universal
- .02 Partial collections not limited to any special country or subject
- .03 Ancient
- .04 Of Europe
- .05 " Asia
- .06 " Africa
- ~~.07~~ " North America
- .08 " South America
- .09 " Oceania

BIOGRAPHY

- 920 Individual and collectiv by subjects
- .1 Bibliografers
 - .2 Librarians
 - .3 Encyclopedists
 - .4 Publishers Booksellers
 - .5 Journalists
 - .6 Academicians
 - .7 Women Collected, and individual lives not clearly going with any subject
 - .8 Eccentrics, cranks, fools, insane, etc. See also 132.1 Insanity
 - .9 Other special classes not included in 921-928, e. g. phrenologists, somnambulists, mindreaders, magicians, etc.
- 921 Of philosophy
- .1 American
 - .2 English Scotch
 - .3 German
 - .4 French
 - .5 Italian
 - .6 Spanish
 - .7 Slavic
 - .8 Scandinavian and other modern
 - .9 Ancient Oriental Patristic Scholastic See 18c-189
- 922 Of religion: clergy, missionaries, preachers
- 922.1-922.88 may be subdivided for nationality like 930-999
- .1 Primitiv apostles, fathers, etc. oriental, Greek, Russian
See 225.91 New Testament biography
 - .2 Roman catholic: popes, cardinals, etc.
 - .21 Lives of popes
 - .3 Anglican and protestant episcopal
 - .4 Continental protestant: Lutheran, Huguenot
 - .5 Presbyterian and congregational
 - .6 Baptist Immersionist
 - .7 Methodist
 - .8 Unitarian, universalist and other
 - .81 Unitarian Universalist
 - .84 New church or Swedenborgian
 - .85 Christian science
 - .86 Quaker
 - .87 Mennonite
 - .88 Shaker
 - .89 Other minor Christian sects

DECIMAL CLASSIFICATION

- 922.9 Ethnic and other
 - .91 Atheists
 - .92
 - .93
 - .94 Brahman Buddhist
 - .95 Parsee
 - .96 Jews
 - .97 Mohammedan
 - .98 Mormon
 - .99 Minor nonchristian religions

923 Of sociology

923.1-923.8 may be subdivided for nationality, as in 930-999; e. g. the life of an English king is 923.142; of a Russian czar, 923.147; of a Chinese general, 923.551

- .1 Chief rulers: kings, queens, emperors, presidents
- .2 Political science: legislativ dep't, governors, politicians, statesmen, nobles, etc. For slaves, see 326.92
- .3 Political economy: bankers, capitalists, financiers
- .4 Law: judiciary dep't, lawyers, judges
 - .41 Criminals
- .5 Administration: army and navy, civil servis
- .6 Associations and institutions Philanthropists, etc.
- .7 Education: teachers, school offisers, educators
- .8 Commerce and communication: railway officials, merchants, etc.
- .9 Manners and customs: society, travelers, discovery

- 924 Of philology
- 925 " science
- 926 " useful arts
- 927 " fine arts
- 928 " literature

} See note under 920 about subdividing. It is seldom wise to use more than 4 figures, unless in a large special collection; e. g. in a music library, lives of pianists may be separated as 927.86. Professors known as special-ists go with the subject taught rather than with teachers; e. g. a professor of geology 925.5; but if more prominent as an educator than as a geologist he goes in 923.7

In adding figures for the subdivisions of literature, as in 810-899, class historians with miscellaneous authors as 8; i. e. Gibbon's life is 928.28; 928.31 is life of a German poet, and 928.691 is life of a Portuguese poet

929 Genealogy and heraldry

- .1 **Genealogies**
- .2 Families
- .3 Registers of births, baptisms, marriages, deaths
- .4 Names of persons and places
- .5 Epitaphs
- .6 **Heraldry**
- .7 **Peerage, precedence, titles of honor Royal houses**
- .71 **Orders of Knighthood**
- .711 St John of Jerusalem
- .712 Templars
- .713 Teutonic knights
- .714 Garter
- .715 Golden Fleece
- .716 Holy Ghost
- .717
- .718
- .719
- .72 **Great Britain and Ireland**
- .721 Peerage Royal houses
- .722 Baronetage
- .723 Knightage
- .724 Dignities, precedence
- .725 Landed gentry
- .726 Visitations Alfabeted by counties
- .73 **Germany**
- .74 **France**
- .75 **Italy**
- .76 **Spain**
- .77 **Russia**
- .78 **Scandinavia**
- .79 **Minor countries**
Divided like 949; minor countries outside Europe are put together in 929.799
- .8 **Coats of arms, crests**
- .9 **Flags**

930 **Ancient history** 476 A.D.

- 931 China
- 932 Egypt
- 933 Judea
- 934 India

DECIMAL CLASSIFICATION

935 Medo-Persia

- .1 Chaldea
- .2 Assyria Nineveh
- .3 Media
- .4 Babylonia
- .5 Persia
- .6 Parthia
- .7 New Persian or Sassanian
- .8 Mesopotamia
- .9 Susiana

936 Kelts

937 Rome Italy

Period divisions

- .01 Kings 753-509 B. C.
- .02 Republic 509-31 "
- .03 Conquest of Italy 509-264 "
- .04 Punic wars 264-146 "
- .05 Civil strife 146-31 "
- .06 Empire 31 B. C.-476 A. D.
- .07 Constitutional 31 " -284 "
- Augustus—Illyrian emperors
- .08 Absolute 284-476 "
- .09 Division of empire 395-476 "
- Barbarian conquests and fall of western empire

Geographic divisions

- .1 Liguria
- .2 Gallia Cisalpina
- .3 Venetia Istria
- .4 Umbria Picenum Sabini, etc.
- .5 Etruria
- .6 Latium, Rome
- .7 Southern Italy: Campania, Samnium, Apulia, etc.
- .8 Sicily, Syracuse
- .9 Sardinia Corsica

938 Greece

Period divisions

- .01 Mythical age -776 B. C.
- .02 Growth of states 775-500 "
- .03 Persian wars Union of Greece 500-479 "
- .04 Athenian supremacy 479-431 "
- .05 Peloponnesian war 431-404 "
- .06 Spartan and Theban supremacy 404-362 "
- .07 Macedonian supremacy 362-323 "
- .08 Roman conquest of Greece 323-146 "
- .09 Greek subjection 146 B. C.-323 A. D.
- Byzantine empire is class 949.5

ANCIENT HISTORY

Geografic divisions of Greece

- 938.1 Macedonia
 .2 Thessaly Epirus
 .3 Acarnania Ætolia Locris Doris Phocis Ithaca
 .4 Boeotia Megaris Euboea
 .5 Attica
 6 Peloponnesus
 .7 Corinthia Achaia
 .8 Elis Arcadia Argolis
 .9 Messenia Laconia Sparta
- 939 Minor countries
- .1 Grecian archipelago
 .11 Northern ilands: Thasos, Lemnos, etc. .12 Lesbos .13 Chios,
 etc. .14 Samos, etc. .15 Cyclades .16 Rhodes, etc.
 .17 Carpathos .18 Crete
- .2 Western Asia Minor
 .21 Mysia, Troas .22 Lydia .23 Ionia .24 Caria
 .25 Bithynia .26 Phrygia .27 Pisidia .28 Lycia
 .29 Pamphylia
- .3 Eastern Asia Minor
 .31 Paphlagonia .32 Galatia .33 Pontus .34 Cappadocia
 .35 Cilicia .36 Commagene .37 Cyprus
- .4 Syria
 .41 Upper Syria .42 Coele Syria .43 Palmyra .44 Phenicia,
 Tyre .45 Palestine: Hittites, Philistines, etc. .46 Edom,
 Moab, Bashan, etc. .47 Arabia .48 Arabia Petraea, Sinai
- .5 Northwestern Asia
 .51 Scythia .52 Sarmatia Asiatica .53 Colchis .54 Iberia
 .55 Armenia .56 Albania
- .6 South Central Asia
 .61 Sogdiana .62 Hyrcania .63 Margiana .64 Bactriana
 .65 Ariana
- .7 Minor African countries
 .71 Mauritania .72 Numidia .73 Africa Propria, Carthage
 .74 Syrtica Regio .75 Cyrenaica .76 Marmarica .77 Libya,
 Gaetulia .78 Ethiopia
- .8 Southeastern Europe
 .81 Sarmatia Europa .82 Dacia .83 Vindelicia .84 Rhaetia
 .85 Noricum .86 Pannonia .87 Illyria .88 Moesia
 .89 Thracia

Modern history

940 Europe

- From fall of the Western empire (Rome) A. D. 476
- .1 **Medieval Europe** 476-1453
 - For Byzantine empire see 949.5
 - .11 **Rise of new nations** 476- 800
 - .14 **Age of feudalism** 800-1100
 - See also 321.3 Feudalism (Political science)
 - Charlemagne 768-814
 - Norman conquests
 - .17 **Age of chivalry** 1100-1453
 - To fall of Eastern empire (Constantinople) 1453
 - .18 **Crusades** 1096-1270
 - See also church history, 270.4-5
 - .181 1st crusade 1096 (Peter the Hermit)
 - .182 2d " 1147 (St Bernard)
 - .183 3d " 1190 (Richard Coeur de Lion)
 - .184 4th " 1202 (Baldwin of Flanders)
 - .185 5th " 1212 (Children's crusade)
 - .186 6th " 1217 (Capture of Jerusalem)
 - .187 7th " 1228
 - .188 8th " 1248 (St Louis)
 - .189 9th " 1270 "
 - .2 **Modern Europe** 1453-
 - .21 **Renaissance period** 1453-1517
 - Discoveries and inventions
 - .22 **Age of the reformation** 1517-1789
 - .23
 - .24 30 years war 1618-48
 - .25
 - .26
 - .27 **Napoleonic period** 1789-1815
 - .28 **19th century** 1815-1914
 - .29
 - .3 **Great war** 1914-19
 - .31 Political history
 - .311 Causes
 - .312 Efforts to preserv peace
 - See also 940.32 Diplomatic history
 - .313
 - .314 Results: terms of peace

MODERN HISTORY

- 940.315 **Relations of special classes**
 Subdivided like the classification, using 9 for refugees, divided like
 940-999 by country of origin. For classes not thus provided for see
 940.316
- Clergy Church**
 Subdivide .3152-28 like 280, but use .315289 for sects in 289; e. g.
 .31521 Greek catholic church
 22 Roman " " Pope
 2895 Christian scientists
 Use .31529 like 290; e. g.
 .315296 Jews
 297 Mohammedans Holy war
- .316 **Other special classes**
- Noncombatants**
- Pacifists**
- Enemy sympathizers**
- .317
- .318 **Relations of special interests Aspects**
 Divided generally like the classification
- .32 **Diplomatic history**
 See also 940.31-.314 Political history
- .33 **Groups of countries: allies and neutrals**
 As a body; for individual countries see 940.34-.39
- .332 **Entente**
- .334 **Teuton allies, Central powers**
- .335 **Neutrals**
- .34-39 **Individual countries**
 Divided like 940-999
 Under each country farther subdivision may be made with the following
 numbers, if its part in this war is class here insted of with the rest of its
 history:
 01 Political history Causes
 02 Diplomatic " "
 03 Local (states, counties, provinces, cities)
 04 Military organization
 Class operations in 940.4
 05 Aspects: economic and other
 06 Celebrations
 07 Prisons, etc.
 08 Personal narrativ
 09 Illustrativ
- .4 **Military history**
- .405 **Frightfulness, atrocities**
 As military expedient. For other relations see Atrocities in Relativ
 index. But, since the avowd policy of one group of belligerents
 was 'frightfulness', it pervades all literature of this war.
- .41 **Land operations**
- .42-43 **Special campains and battles**
- .44 **Air warfare**
- .45 **Naval history**
- .46 **Celebrations, commemorations**
 Usually better class with event commemorated. For American patriotic
 societies of this war, see 369.186
- .461 **War meetings**
- .462
- .463 **Flag presentations**
- .464 **Decorations: presentation**

DECIMAL CLASSIFICATION

- 940.465 **Monuments, memorials**
 General, of the war or a country's part in it; but class memorials of a
 special event with that event
- By country** Divided like 40-999
- .467 **Rolls of honor** Lists of ded
- .468
- .47 **Prisons, hospitals, charities**
- .471
- .472 **Prisons**
 Divided like 940-999 and including internment camps
- .473 **Exchange of prisoners**
- .474
- .475 **Medical department, surgeons, nurses**
 See also 616 and 617
- By country maintaining** Divided like 940-999
- .476 **Hospitals, hospital sketches**
 By country in which located Divided like 940-999
 By country maintaining " " "
- .477 **Welfare work**
- 1 **Red Cross**
- 2 **Salvation Army**
- 3 **Y M C A**
- 4 **Y W C A**
- 5 **Knights of Columbus**
- 6 **Young Men's Hebrew ass'n**
- 7 **Other: college units, etc.**
- 8 **By country conducting** Divided like 940-999
- 9 **By country in which conducted** Divided like 940-999
- .478 **Religious life, chaplains, etc.**
- .48 **Personal narrativs, secret servis**
 When relating to some special battle or event, class with subject
- .481 **Entente allies**
- .482 **Central powers**
- .483 **Army life, Entente allies**
- .484 " **Central powers**
- .485 **Secret servis, spies**
- .486
- .487 **German secret servis**
- .488
- .489
- .49 **Illustrativ material**
 Subdivided like 973-79
 For special collections; but most material should be class with its subject:
 poetry, drama, etc. with the literatures to which they belong
- .5 **Later 20th century**
 Including works on 20th century as a whole

HISTORY

94I Scotland

Period divisions

.01	Gaelic period	-1097
.02	English period	1097-1314
	Struggle for national freedom	
.03	Independent kingdom	1314-1424
.04	The Jameses	1424-1557
.05	Reformation	1557-1603
.06	Union of crowns and parliaments	1603-1707
.07	Hanover	1707-1837
.08	Later Hanoverian	1837-
.09		

Geografic divisions

.1	Northern Scotland				
	.11 Shetland	.12 Orkney	.13 Caithness	.14 Sutherland	
	.15 Cromarty	.16 Ross	.17 Hebrides		
.2	North central Scotland				
	.21 Inverness	.22 Nairn	.23 Elgin	.24 Banff	.25 Aber-
	deen	.26 Kincardine			
.3	South central Scotland				
	.31 Forfar	.32 Perth	.33 Fife	.34 Kinross	.35 Clack-
	mannan	.36 Sterling	.37 Dumbarton	.38 Argyll	.39 Bute
.4	Southern Scotland				
	.41 Renfrew	.42 Ayr	.43 Lanark	.44 Linlithgow, Edin-	
	burgh	.45 Haddington, Berwick	.46 Peebles, Selkirk		
	.47 Roxburgh	.48 Dumfries	.49 Kirkcudbright, Wigton		

941.5 Ireland

Period divisions

.51	Early history	-1086
.52	Separate kingdoms	1086-1172
	Conquest by Henry 2	
.53	Plantagenet	1172-1399
.54	Lancaster and York	1399-1485
.55	Tudors	1485-1603
.56	Stuarts	1603-91
	Closing with treaty of Limerick	
.57	Hanover	1691-1801
	Closing with the union	
.58	19th century	1801-1900
.591	Early 20th century	

DECIMAL CLASSIFICATION

Geographic divisions of Ireland

- 941.6 **Ulster**
 .61 Antrim .62 Londonderry .63 Donegal .64 Tyrone
 .65 Down .66 Armagh .67 Monaghan .68 Fermanagh
 .69 Cavan
- .7 **Connaught**
 .71 Leitrim .72 Sligo .73 Mayo .74 Galway .75 Roscommon
- .8 **Leinster**
 .81 Longford, West Meath .82 Meath, Louth .83 Dublin
 .84 Wicklow .85 Kildare .86 King's co. .87 Queen's co.
 .88 Carlow, Wexford .89 Kilkenny
- .9 **Munster**
 .91 Waterford .92 Tipperary .93 Clare .94 Limerick
 .95 Cork .96 Kerry

942 **England**

Including works on Great Britain

Period divisions

For specially minute work the 6th figure printed for each sovereign may be used; e. g. Henry 7 is 942.051

- .01 **Anglo-Saxon** B. C. 55-A. D. 1066
 Prehistoric, Roman, British, Danish
- .02 **Norman** 1066-1154
 1 William 1 1066-87 2 William 2 1087-1100 3 Henry 1
 1100-35 4 Stephen 1135-54
- .03 **Plantagenet** 1154-1399
 1 Henry 2 1154-89 2 Richard 1 1189-99 3 John 1199-1216
 4 Henry 3 1216-72 5 Edward 1 1272-1307 6 Edward 2
 1307-27 7 Edward 3 1327-77 8 Richard 2 1377-99
- .04 **Lancaster and York** 1400-85
 Wars of the roses 1455-85 (Lancaster, red; York, white)
 1 Henry 4 1399-1413 2 Henry 5 1413-22 3 Henry 6
 1422-61 4 Edward 4 1461-83 5 Edward 5 1483 6 Richard 3
 1483-85
- .05 **Tudor** 1485-1603
 1 Henry 7 1485-1509 2 Henry 8 1509-47 3 Edward 6
 1547-53 4 Mary 1553-58 See also 272.6 5 Elizabeth 1558-1603
 See also 272.7
- .06 **Stuart** 1603-1714
 1 James 1 1603-25 2 Charles 1 1625-49 3 Commonwealth
 1649-53 4 Oliver Cromwell 1653-58 5 Richard Cromwell
 1658-59 6 Charles 2 1660-85 7 James 2 1685-88 8 William
 3 1689-1702 9 Anne 1702-14; War of Spanish succession
- .07 **Hanover** 1714-1837
 1 George 1 1714-27 2 George 2 1727-60 3 George 3 1760-
 1820 4 George 4 1820-30 5 William 4 1830-37
- .08 **Later Hanoverian** 1837-
 1 Victoria 1837-1901 2 Edward 7 1901-10 3 George 5 1910-

HISTORY

Geographic divisions

- 942.1 **Middlesex** **London**
- .2 **Southeastern**
.21 Surrey .23 Kent .25 Sussex .27 Hants .28 Isle of
Wight .29 Berks
- .3 **Southwestern**
.31 Wilts .33 Dorset .34 Channel islands .35 Devon .37 Corn-
wall .38 Somerset
- .4 **West Midland**
.41 Gloucester .43 Monmouth .44 Hereford .45 Salop
.46 Stafford .47 Worcester .48 Warwick
- .5 **North and South Midland**
.51 Derby .52 Notts .53 Lincoln .54 Leicester, Rutland
.55 Northampton .56 Huntington, Bedford .57 Oxford, Buck-
ingham .58 Hertford .59 Cambridge
- .6 **Eastern**
.61 Norfolk .64 Suffolk .67 Essex
- .7 **Northwestern and Yorkshire**
.71 Cheshire .72 Lancashire .74 Yorkshire
- .8 **Northern**
.81 Durham .82 Northumberland .85 Cumberland .88 West-
moreland .89 Isle of Man
- .9 **Wales**
.91 Anglesey .92 Carnarvon, Merioneth .93 Denbigh, Flint
.94 Montgomery .95 Cardigan .96 Radnor, Brecknock
.97 Glamorgan .98 Carmarthen .99 Pembroke

943 Germany and Austria

Period divisions

- .01 **Formativ period**
 Wars with Rome Charlemagne 800-814 Louis I 814-840
 Lothaire I 840-843
- .02 **Empire before the reformation**
 1 Carolingian 843-911: Louis 2 843-876 Charles 2 876-877
 Charles 3 877-887 Arnulf 887-899 Louis 3 900-911
 2 House of Franconia: Conrad I 911-918 House of Saxony,
 919-1024: Henry I 919-936 Otto I 936-973 Otto 2 973-983
 Otto 3 983-1002 Henry 2 1002-24
 3 House of Franconia 1024-1125: Conrad 2 1024-39 Henry 3
 1039-56 Henry 4 1056-1106 Henry 5 1106-25 House of
 Saxony: Lothaire 2 1125-37
 4 House of Hohenstaufen 1137-97: Conrad 3 1138-52 Fred-
 erick I 1152-90 Henry 6 1190-97
 5 House of Hohenstaufen and Interregnum 1198-1272: Philip
 1198-1208 Otto 4 1208-12 Frederick 2 1212-50 Conrad 4
 1250-54 William of Holland 1254-56 Richard of Cornwall
 1256-72
 6 Houses of Hapsburg, Luxemburg, etc. 1273-1378: Rodolph I
 1273-91 Adolphus 1291-98 Albert I 1298-1308 Henry 7
 1308-13 Louis 4 1313-47 Charles 4 1347-78
 7 Interregnum 1378-1437: Wenceslaus 1378-1400 Rupert
 1400-10 Sigismund 1410-37
 8 Albert 2 1438-39 Frederick 3 1440-93
 9 Maximilian I 1493-1519
- .03 **Reformation to 1618** 1517-1618
 1 Charles 5 1519-1556 2 Ferdinand I 1556-64 3 Maxi-
 milian 2 1564-76 4 Rodolph 2 1576-1612 5 Matthias
 1612-19
- .04 **Disintegration** 1618-1705
 1 Thirty years' war 1618-48 2 Ferdinand 2 1619-37 3 Fer-
 dinand 3 1637-57 4 Leopold I 1658-1705
- .05 **Rise of Prussia** 1705-89
 1 Joseph I 1705-11 2 Charles 6 1711-40 3 1740-42
 4 Charles 7 1742-45 5 Francis I 1745-65 6 Seven years war
 1756-63 7 Joseph 2 1765-90
- .06 **Napoleonic wars** 1789-1815
 Leopold 2 1790-92 Francis 2 1792-1806 Confederation of
 the Rhine 1806-15
- .07 **Reorganization** 1815-66
- .08 **New German empire** 1866-1918
 1 North German confederation 1866-71 2 Franco-German war
 1870-71 3 William I 1871-88 4 Frederick 1888 Wil-
 liam 2 1888-1918 ; Great war 1914-19 and downfall of empire
- .085 **German republic** 1918-

HISTORY

Geographic divisions of Germany and Austria

943.1

Prussia and Northern Germany

By peace of Versailles, 1919, most of Posen (.13) and parts of East Prussia (.11) of West Prussia (.12) and Silesia (.14) were restored to Poland. Danzig (.12) as part of Poland made free city with 729 sq. mi. of territory

- .11 East Prussia .12 West Prussia, Danzig .13 Posen
.14 Silesia .15 Brandenburg .16 Pomerania .17 Mecklenburg and Lubeck .18 Prussian Saxony .19 Anhalt

.2 Central Germany

- .21 Saxony .22 Thuringia .23 Saxe-Weimar .24 Saxe-Altenburg
.25 Saxe-Gotha-Coburg .26 Saxe-Meiningen
.27 Schwartzburg .28 Reuss

.3 Bavaria

- .31 Upper Franconia .32 Middle Franconia .33 Lower Franconia
.34 Upper Palatinate .35 Lower Bavaria
.36 Upper Bavaria .37 Suabia

.4 Southern Germany

In 1919 by peace of Versailles 382 sq. mi. of Rhenish Prussia (.42) including Moresnet, Malmédy and Eupen were ceded to Belgium, and 783 sq. mi. of Saar valley to France subject to plebiscit in 1934. Alsace (.44) and Lorraine (.45) taken from France in 1871 were restored. See 944.38

- .41 Hesse Darmstadt .42 Rhenish Prussia .43 Rhenish Bavaria
.44 Alsace .45 Lorraine .46 Baden .47 Wurtemberg
.48 *Black Forest* and *Danube* .49 Hohenzollern

.5 Northwest Germany

By peace of Versailles in 1919 part of Schleswig-Holstein (.51) was restored to Denmark

- .51 Schleswig-Holstein and Hamburg .52 Oldenburg and Bremen
.53 Hanover .54 Brunswick .55 Lippe .56 Westphalia
.57 Waldeck .58 Hesse-Nassau

.6 Austria

- .61 Lower Austria .62 Upper Austria .63 Salzburg .64 Tyrol
.65 Styria .66 Carinthia .67 Carniola .68 Istria .69 Dalmatia

.7 Czechoslovakia

Since Oct. 28, 1918, an independent nation: Bohemia, Moravia, Silesia Slovakia and autonomous Ruthenia

- .71 Bohemia .72 Moravia .73 Silesia .74 Galicia
(as a result of the great war, 1914-19, restored to Poland)
.75 Bukowina (since Nov. 1918 a part of Rumania)

.8 Poland Including history before the division

Extinct as state from 3d partition in 1795 til 1919, when its sovereignty was restored by the peace of Versailles. See also 943.11-14, 943.73-74 and 947.4-5

.9 Hungary, etc.

By the peace of Versailles 1919 the union of Transylvania (.92) with Rumania in 1918 was confirmd; Fiume (.94) was made independent, subject to plebiscit in 4 years; Slavonia (.93) Croatia (.94) Bosnia (.95) and Herzogovina (.96) were recognized as part of Jugoslavia (949.7)

- .91 Hungary .92 Transylvania .93 Slavonia .94 Croatia, Fiume
.95 Bosnia .96 Herzegovina

944 France

Period divisions

- .01 Early history** -987
 Ancient Kelts -59 B. C. Roman dominion 59 B. C.-418 A. D.
 Merovingian dynasty 428-752 Carolingian 752-987
- .02 Capet and Valois** 987-1589
House of Capet
 1 Hugh Capet 987-996 Robert 2 996-1031 Henry 1
 1031-60
 2 Philip 1 1060-1108 Louis 6 1108-37 Louis 7 1137-80
 3 Philip 2 1180-1223 Louis 8 1223-26 Louis 9 1226-70
 4 Philip 3 1270-85 Philip 4 1285-1314 Louis 10 1314-16
 John 1 1316 Philip 5 1316-22 Charles 4 1322-28
House of Valois
 5 Philip 6 1328-50 John 2 1350-64 Charles 5 1364-80
 6 Charles 6 1380-1422 Charles 7 1422-61
 7 Louis 11 1461-83 Charles 8 1483-98 Louis 12 1498-1515
House of Angoulême
 8 Francis 1 1515-47 Henry 2 1547-59
 9 Francis 2 1559-60 Charles 9 1560-74 Henry 3 1574-89
- .03 Bourbon** 1589-1789
 1 Henry 4 1589-1610 2 Louis 13 1610-43 3 Louis 14
 1643-1715; War of Spanish succession 4 Louis 15 1715-74
 5 Louis 16 1774-92
- .04 Revolution** 1789-1804
 1 National assembly 1789-92 2 First republic 1792-99: 3 Con-
 vention 1792-95 4 Reign of terror, May 1793-July 1794
 5 Directory 1795-99 6 First consulate, Napoleon 1799-1804
- .05 First empire** 1804-1815
 Napoleon 1 1804-14 Louis 18 1814-15 The hundred days.
 March 20-June 29, 1815
- .06 Restoration** 1815-1848
 1 Louis 18 1815-24 2 Charles 10 1824-30 3 Louis Philippe
 1830-48
- .07 Second republic and second empire** 1848-1870
 Revolution of 1848 Second republic, Louis Napoleon, pres.
 1848-52 Napoleon 3 1852-70
- .08 Third republic** 1870-
 Franco-German war, Government of national defense 1870-71
 National assembly 1871 Presidency of Thiers 1871-73
 McMahon 1873-79 Grévy 1879-87 Sadi-Carnot 1887-94
 Casimir Périer 1894-95 Faure 1895-99 Loubet 1899-1906
 Fallières 1906-13 Poincaré 1913-20; Great war 1914-19
 Deschanel 1920 Millerand 1920-

Geografic divisions of France

- .1 Brittany** **Maine** **Anjou**
 .11 Finistère .12 Côtes du Nord .13 Morbihan .14 Loire
 Inférieure .15 Ille et Vilaine .16 **Maine:** Mayenne
 .17 Sarthe .18 Anjou: Maine et Loire
- .2 Normandy** **Picardy**
 .21 Manche .22 Calvados .23 Orne .24 Eure .25 Seine
 Inférieure .26 **Picardy:** Somme .27 **Artois:** Pas de Calais
 .28 Nord

HISTORY

- 944.3** **Champagne** **Ile de France** **Lorraine**
 .31 Ardennes .32 Marne .33 Aube Haute Marne .34 Ile
 de France: Aisne .35 Oise .36 Seine et Oise, Paris
 .37 Seine et Marne .38 Lorraine (Alsace-Lorraine):
 .381 Meuse .382 Meurthe et Moselle .383 Alsace (But
 use .38 for Alsace and Lorraine together) See also 943.44-45
 .39 Vosges
- .4** **Burgundy** **Franche Comté** **Savoy**
 .41 Yonne .42 Côte d'Or .43 Saône et Loire .44 Ain
 .45 Franche Comté: Haute Saône, Belfort .46 Doubs .47 Jura
 .48 Savoy: Savoie .49 Haute Savoie
- .5** **Orléans, etc.** **Auvergne**
 .51 Eure et Loir .52 Loiret .53 Loir et Cher .54 Touraine:
 Indre et Loir .55 Berry: Indre, Cher .56 Nivernais:
 Nièvre .57 Bourbonnais: Allier .58 Lyonnais: Loire,
 Rhône .59 Auvergne: Puy de Dôme, Cantal
- .6** **Poitou** **Limousin**
 .61 Vendée .62 Deux Sèvres .63 Vienne .64 Charente
 Inférieure .65 Charente .66 Limousin: Haute Vienne
 .67 Corrèze .68 Marche: Creuse
- .7** **Guienne** **Gascony**
 .71 Gironde .72 Dordogne .73 Lot .74 Aveyron .75 Tarn
 et Garonne .76 Lot et Garonne .77 Gascony: Landes,
 Gers .78 Hautes Pyrénées .79 Béarn: Basses Pyrénées
- .8** **Languedoc**
 .81 Haute Loire, Lozère .82 Ardèche .83 Gard .84 Hérault
 .85 Tarn .86 Haute Garonne .87 Aude .88 Foix: Ariège
 .89 Pyrénées Orientales
- .9** **Provence** **Dauphiny**
 .91 Bouches du Rhône .92 Vaucluse .93 Var .94 Alpes
 Maritimes, Monaco .95 Basses Alpes .96 Dauphiny .97
 Hautes Alpes .98 Drôme .99 Isère

945 Italy

Period divisions

- | | | |
|-----|---|-----------|
| .01 | Gothic and Lombard kingdoms | 476-774 |
| .02 | Frankish emperors | 774-961 |
| .03 | German emperors | 962-1122 |
| | Hildebrand and papal supremacy | |
| .04 | Age of the communes | 1100-1300 |
| | Free cities Strifes of Guelphs and Ghibelines | |
| .05 | Age of the despots | 1300-1492 |
| .06 | Age of invasions | 1492-1527 |
| .07 | Spanish-Austrian ascendancy | 1527-1796 |
| .08 | Struggle for independence | 1796-1870 |
| | Victor Emmanuel 2, Cavour, Garibaldi | |
| .09 | [United Italy | 1870- |
| | Victor Emmanuel 2 -1878; Humbert 1878-1900; Victor Emmanuel 3
1900- | |

DECIMAL CLASSIFICATION

Geografic divisions of Italy

- 945.1 Piedmont and Liguria
- .2 Lombardy
- .3 Venetia
- .4 Emilia
- .5 Tuscany
- .6 Marches, Umbria and Latium
- .7 Naples
 - .71 Abruzzo and Molise 72 Campania .73 Napoli
 - .74 Salerno .75 Apulia .76 Lecce, Terra di Otranto
 - .77 Basilicata, Potenza .78 Calabria .79 Reggio di Calabria
- .8 Sicily Malta
- .9 Sardinia and Corsica
- 946 Spain

Period divisions

- .01 Early history Roman dominion Gothic kingdom — 711
- .02 Moorish kingdom 711-1479
- .03 Ferdinand 5 and Isabella 1479-1516
 - Discovery
 - Expulsion of the Moors
- .04 Charles 1 and Philip 2 1516-98
 - Inquisition War with the Netherlands Armada Charles 1
 - (5th of Germany) 1516-56 Philip 2 1556-98
- .05 Philip 3 — Charles 4 1598-1808
 - Degeneration 1 Philip 3 1598-1621 2 Philip 4 1621-65
 - 3 Charles 2 1665-1700 4 House of Bourbon: 5 Philip 5
 - 1700-46 6 Ferdinand 6 1746-59 7 Charles 3 1759-88
 - 8 Charles 4 1788-1808
- .06 Peninsular war 1808-14
 - Joseph Bonaparte
- .07 Bourbon restoration 1814-68
 - Attempts at reform
 - Ferdinand 7 1814-33 Isabella 2 1833-68
- .08 Revolution and 2d restoration 1868—
 - Revolution of 1868-70 Amadeus 1870-73 Republic 1873-75
 - Alfonso 12 1875-85 Alfonso 13 1886-

Geografic divisions of Spain

- .1 Galicia Asturias
- .2 Leon Estramadura
- .3 Old Castile
- .4 New Castile
- .5 Aragon
- .6 Basque provinces
- .7 Catalonia Balearic iles Valencia Murcia
- .8 Andalusia Canary iles
- .9 Portugal
 - .98 Madeira .99 Azores

947 Russia

Period divisions

.01	Primitiv Russia	—862
.02	Varangian kingdom	862-1237
	Conversion to Christianity	
.03	Mongolian invasion	1237-1462
	Civil wars	
.04	Ivan 3-Ivan 5	1462-1689
	Origin of serfdom	
.05	Peter the Great	1689-1725
	Wars with Sweden and Turkey	
.06	Catharine 1-Catharine 2	1725-96
	Partition of Poland	
.07	Paul 1-Nicholas 1	1796-1855
	War with Napoleon	
	Insurrection of Poland	
	Crimean war	See also 942.08, 944.07, 945.08, 949.6
.08	Alexander 2	1855-81
	Emancipation of the serfs	
	Turko-Russian war	
	Alexander 3	1881-94
	Nicholas 2	1894-1917
	Revolution 1917	

Geografic divisions of Russia

.1	Finland	Lapland
.2	Northern Great Russia	
	Archangel, Vologda, Olonetz, Novgorod	
.3	Southern Great Russia	
.4	Baltic provinces	
	Courland, Livonia, Esthonia, Petrograd (Petersburg)	
.5	Russian Poland	
	Partly restored to Poland by peace of Versailles 1919.	Lithuania
.6	West Russia	
.7	Little Russia	South Russia
	Ukraine	
.8	East Russia	
.9	Caucasia	

DECIMAL CLASSIFICATION

948 Norway Sweden Denmark

Period divisions

.01	Legendary period	-800
.02	Consolidation Migration	801-1397
	Introduction of Christianity	
	Discovery of Iceland, Greenland, and America	
	Conquest of Britain and Normandy	
.03	Union of the 3 kingdoms	1397-1523
	Civilization Foren relations	
.04	The reformation	1523-1648
	Edict of toleration 1527	
	30 years war Gustavus Adolphus	
.05	Decline	1648-1792
	Wars vs Denmark, Poland, Russia	
	Political changes	
.06	Napoleonic wars	1792-1818
	Union of Norway and Sweden 1814	
.07	Charles 14 (Bernadotte)	1818-
	Peace Internal reform	

Geografic divisions

.1	Norway
.2	Christiania
.3	Christiansand Bergen
.4	Hamar Throndhjem Tromso
.5	Sweden
.6	Gothland
.7	Svealand
.8	Norrland
.9	Denmark

949 Minor countries of Europe

- .1 **Iceland Faroe ilands**
 - 01 Commonwealth -1264 02 Medievalism 1264-1551 03 Absolute rule, Decay 1551-1848 04 Modern Iceland 1848-
- .2 **Netherlands**
 - 01 Early history -1477 02 Austrian dominion 1477-1566 Wars for independence 1566-1648 04 Age of prosperity 1648-1795 05 Revolutionary 1795-1830 06 19th century 1830-1900 07 20th century 1901-
- .3 **Belgium**
- .4 **Switzerland**
 - 01 Early history -1300 02 Struggle for independence 1300-1499 03 Reformation 1499-1648 04 Period of tranquillity 1648-1789 05 Period of revolution 1789-1815 06 19th century 1815-1900 07 20th century 1901-
- .5 **Byzantine empire and modern Greece**
 - 01 Greek revival 323-716
Constantine the great-Theodosius 3
 - 02 Byzantine prosperity 716-1057
Leo 3-Michael 6
 - 03 Byzantine decline 1057-1204
Isaac 1-Latin conquest of Constantinople
 - 04 Greek survival 1204-1453
Constantinople taken by the Turks, 1453
 - 05 Turkish power 1453-1821
 - 06 Greek independence 1821-
- .6 **Turkey in Europe Balkan states** .61 Constantinople
Also works covering Turkey in Asia
- .7 **Jugoslavia: Serbia, Montenegro Bulgaria**
In addition to Serbia and Montenegro, Jugoslavia (Kingdom of the Serbs, Croats and Slovenes, established in 1918) includes Dalmatia (943.69), Slavonia (943.93), Croatia (943.94) Bosnia (943.95), Herzegovina (943.96) and Slovenia
- .8 **Rumania: Wallachia, Moldavia, Dobruja**
Includes also Bessarabia (947.7) added in Mar. 1918, Bukowina (943.75) Nov. 1918, and Transylvania (943.92) Dec. 1918
- .9 **Ilands of Greek archipelago**
Divided like 939. 1

- 950 Asia**
- 951 China**
 .1 N. E. China, Peking .2 S. E. China, Canton, Hong Kong, Taiwan (Formosa) .3 S. W. China .4 N. W. China .5 Tibet .6 East Turkestan .7 Mongolia .8 Manchuria .9 Chosen (Korea)
- 952 Japan**
- 953 Arabia**
 .1 Sinai .2 Hejaz, Mecca .3 Yemen .4 Hadramaut, Mahrah .5 Oman .6 Hasa .7 Dahna .8 Nejd .9 Syrian desert
- 954 India**
 .1 Bengal, Orissa, Assam, Bhotan .2 Northwest provinces, Oudh, Nepal .3 Central provinces .4 Rajputana .5 Punjab, Delhi, Lahore .6 Kashmir .7 Bombay, Sind, Baroda .8 Madras, Mysore, Travancore, Ceylon .9 Hyderabad
- 955 Persia**
- 956 Turkey in Asia** See also 949.6
 .1 Khodavendigar .2 Aidin, Smyrna .3 Kastamuni, Angora .4 Konieh, Adana, Cyprus .5 Trebizond, Sivas .6 Armenia and Kurdistan: Erzerum; Mamuret el Aziz, Karput; Diarbekr; Bitlis; Van .7 Mesopotamia: Mosûl; Bagdad; Basra .8 Aleppo .9 Syria, Damascus, Phenicia, Palestine
- 957 Siberia**
- 958 Afghanistan Turkestan Baluchistan**
 .1 N. E. Afghanistan, Kabul .2 South Afghanistan, Kandahar .3 N. W. Afghanistan, Herat .4 Turkestan .5 Kiva .6 Bokhara .7 Ferghana or Khokan .8 Baluchistan
- 959 Farther India**
 .1 British Burma .2 Burma .3 Siam .4 Laos .5 Lower Siam, Malay peninsula .6 Cambodia .7 French Cochin China .8 Anam .9 Tonkin

960 Africa (Tentativ table)

This table being published tentatively is not included in index

SUMMARY

961	North Africa
962	Egypt
963	Abyssinia
964	Morocco
965	Algeria
966	North Central Africa
967	South Central Africa
968	South Africa
969	Madagascar and outlying islands

961 North Africa

Barbary, i.e. Morocco, Algeria, Tunis, Tripoli

- .1 **Tunis** 50,000 sq. mi.
French protectorate 1881
- .2 **Tripoli Libia Italiana** 406,000 sq. mi.
Annex to Italy 1911
Tripolitania
Oasis of Ghadames, Syrtis
- .3 **Fezzan** 156,000 sq. mi.
Oases of Ghat and Murzuk
- .4 **Cyrenaica or Barka** **Bengazi**
- .9 **Libyan desert**
Eastern 3d belongs to Egypt

962 Egypt

Egypt proper, including Libyan desert and Sinai peninsula but excluding Sudan, 350,000 sq. mi. Cultivated and settled area, Nile valley and delta, 12,226 sq. mi.

- .1 **Lower Egypt Masr-el-Bahri Delta**
Extends beyond Cairo, about 30° N.
.11 Beheira: Alexandria .12 Gharbtya .13 Daqahltya:
Damietta .14 Menúftya .15 Sharqtya: Port Said, Ismaila,
Suez .16 Qalyúbtya: Cairo, Heliopolis
- .2 **Middle Egypt el-Wustani Vostani**
Extends from Cairo, 30° N., to Assiut, about 27° N.
.21 Glza: Gizeh, Memphis .23 Faiyúm .25 Beni-Suéf
.26 Minya .28 Asyút: Assiut
- .3 **Upper Egypt es-Said**
Extends from Assiut, 27° N., nearly to Wadi Halfa, 22° N.
.31 Girga .33 Qena: Dendera, Luxor, Karnak, Thebes
.36 Aswân: Assuan, Elephantine, First Cataract, Philae

DECIMAL CLASSIFICATION

- 962.4 Anglo-Egyptian Sudan** 1,014,400 sq. mi.
 Extends from 22° to about 5° N. 15 provinces
- .41 **Nubia Northern provinces**
 In a broad sense, no strictly defined limits; may be taken to include Nile valley from Assuan, 24° N., to Khartum, 16° N. Here used in more limited sense, including provinces of Halfa, Red Sea and Berber, also 962.5 Dongola
- .5 **Dongola**
- .6 **Central provinces**
 Khartum, White Nile, Blue Nile
- .7 **West provinces**
 Including Darfur, under nativ rule
- .8 **Kordofan Nuba mts**
- .9 **East and south provinces**
 Kassala, Sennar, Upper Nile (formerly Fashoda)
 Bahr-el-Ghazal, Mongalla (including Lado enclave),
 Sobat-Pibor
- 963 Abyssinia Ethiopia** 350,000 sq. mi.
 Tigre, Amhara, Shoa
- .5 **Eritrea** 45,800 sq. mi.
 Massaua or Massowah, Assab
- 964 Morocco French protectorate** 231,500 sq. mi.
- .1
- .2 **Spanish Morocco The Rif**
 Cities: Tangier, Ceuta, Tetuan
- .3 **Fez and the northwest coast**
 Region west of Atlas mts and south to Wādy Oum-er-Rabia
 Cities: Fez, Rabat, Casablanca
- .4 **Central region**
 Atlas mts: Middle Atlas, Great Atlas, Anti-Atlas
- .5 **Southeast region**
 Beyond the Atlas mts
- .6 **Morocco and southwest coast Marakesh**
 Region south of Wādy Oum-er-Rabia
 Cities: Morocco, Mogador, Agadir
- .7
- .8 **Rio de Oro Adrar Ifni (Spanish)**
- .9 **Canary Ilands (Spanish)**
 Geografically better here than in 946.8
 .91 Tenerif .92 Grand Canary .93 Palma .94 Gomera
 .95 Hierro or Ferro .96 Fuerteventura .97 Lanzarote
- 965 Algeria (French)** 222,180 sq. mi.
 Northern Algeria includes the 3 departments, Oran, Alger, Constantine
- .1 **Oran**
- .3 **Alger**
- .5 **Constantine**
- .7 **Southern Algeria**
 4 territories: Ain Sefra, Ghardaia, Touggout, Saharan oases (Tuat, Gurara, Tidikelt)

966 North Central Africa European West Africa

SUMMARY

- .1 French West Africa Sahara
 - .2 Sudan
 - .3 Senegambia Senegal
 - .4 Sierra Leone
 - .5 Upper Guinea
 - .6 Liberia Ivory Coast
 - .7 Gold Coast Ashanti
 - .8 Dahomey Togo
 - .9 Nigeria
- .I French West Africa Sahara**
 French West Africa includes colonies: 966.12 Mauritania, 966.2 French Sudan, 966.25 Upper Volta Colony, 966.26 Military Territory of Niger, 966.3 Senegal, 966.52 French Guinea, 966.68 Ivory Coast, 966.8 Dahomey
- .II Sahara (French)**
 In broad sense all northern Africa from Atlas mts to the Sudan, about 3,500,000 sq. mi. This includes parts of Morocco, Algiers, Tunis and Egypt. French Sahara is estimated at about 1,500,000 sq. mi.
- .12 Mauritania 344,967 sq. mi.
 - .15 El Hodh
 - .17 Azaouad
- .2 Sudan (French) Upper Senegal-Niger 617,600 sq. mi.**
- .21 River Niger
 - .22 Northwest region
Kaarta, Bakhunu, Sahel
 - .23 Southwest region
Segu, Kenedugu, Bembas State
 - .24 Central region
Massina, Timbuktu, Lakes
 - .25 Upper Volta 154,400 sq. mi.
Mossi, Gurma
 - .26 Military Territory of Niger 347,400 sq. mi.
 - .27 Southwest region
Cheggazar, Immanang
 - .28 North region
Air or Asben
- .3 Senegambia Senegal (French) 74,112 sq. mi.**
 Senegambia, region between rivers Senegal and Gambia and sometimes including French Guinea; name now disused. Senegal now used for northern portion, including Casamance basin; includes both colony and protectorate
- .31 North coast region
Walo, St Louis
 - .32 Central coast region
Cayor, Baol, Sine, Salum, Cape Verde, Dakar, Rufisque, Gorée
 - .33 South coast
 - .34 Basin of the Casamance
 - .35 Central region
Jolof, Ferlo
 - .36 Northeast region
Fouta, Bondu
 - .37 Southeast region
Bambuk, River Falemé

DECIMAL CLASSIFICATION

- 966.4 Sierra Leone, colony and protectorate (British) 31,000 sq. mi.**
- .41 Sierra Leone colony 4000 sq. mi.
North section, north of Sherbro Iland Freetown
 - .42 South section Sherbro Iland Turner's peninsula
 - .43 Protectorate
 - .44 Karene
 - .45 Koinadugu
 - .46 Ronietta
 - .47 Railway
 - .48 Southern Sherbro
 - .5 **Upper Guinea**
Part north of Gulf of Guinea is known as Upper Guinea; includes broadly: 966.3 Senegal, 966.4 Sierra Leone, 966.5 English, French and Portuguese Guinea, 966.6 Liberia, Ivory Coast, 966.7 Gold Coast, 966.8 Dahomey, Togoland, 966.9 Nigeria
 - .51 Gambia English Guinea 4130 sq. mi.
 - .52 French Guinea 95,218 sq. mi.
 - .53 Coast region Rivières du Sud Konakry
 - .54 Central region Fouta Jallon
Timbo, Labé, Tuba
 - .55 Northeast region Sankaran
Dinguiray, Sigui, Kurussa, Kankan
 - .56 South region
Kissidugu, Beyla, Bissandugu
 - .57 Portuguese Guinea 13,940 sq. mi.
 - .579 Bissagos ilands
 - .58 Cape Verde ilands
 - .6 **Liberia 40,000 sq. mi. Grain Coast**
Grain Coast divided between Liberia and 966.4 Sierra Leone
 - .61 Montserrado
Gondo, Toma, Bouzie, Barlin
 - .62 Coast region Robertsport, Monrovia
 - .63 Grand Bassa Gurra, Sapo
 - .64
 - .65 Sino Wau, Kru coast
 - .66
 - .67 Maryland Cape Palmas
 - .68 **Ivory Coast (French) 121,976 sq. mi.**
 - .681 Coast region Grand Bassam, Assinie, Bingerville
 - .683 Central region Baule, Bakwe
 - .685 Northwest hinterland
 - .687 Northeast hinterland Ganne, Kong

HISTORY

- 966.7 **Gold Coast colony (British)** 80,000 sq. mi.
 Areas do not include parts of Togoland assigned by treaty to Great Britain
- .71 Gold Coast colony proper 24,200 sq. mi.
- .72 Western province Central province
- .73 Eastern province
- .74 Ashanti 20,000 sq. mi.
- .75 Southern province Central province Coomassie
- .76 Western province Northern province
- .77 Northern territories 35,800 sq. mi.
- .78 Southern province
 Kintampo district, Gongga district, Salaga
- .79 Northwestern province Black Volta district Wa
 Northeastern province White Volta district Gambaga
- .8 **Dahomey (French)** 42,460 sq. mi.
- .81 Togoland
 Former German possession now divided between 966.7 Gold Coast (British)
 and Dahomey
- .82 Lower Dahomey
- .83 Coast region Slave Coast
 Grand Popo, Kotonu, Porto-Novo
- .86 Upper Dahomey
- .87 Borgu
- .9 **Nigeria (British)** 332,000 sq. mi.
- .91 Southern Nigeria
- .92 Western province Yoruba Lagos protectorate
 The colony, Abeokuta, Ijebu, Oyo, Ondo
- .93 Central province
 Benin, Onitaha, Warri, Niger delta, Oil Rivers
- .94 Eastern province
 Owerri, Ogoja, Calabar, Cameroon South
- .95 Northern Nigeria
- .96 West region
 Sokoto, Kontagora, Borgu, Nupe, Niger, Ilorin, Kabba
- .97 Central region
 Kano, Zaria Nassawara, Munshi, Bassa
- .98 East region
 Bornu, Bauchi, Yola, Muri, Cameroon North
- .99 Islands of the Gulf of Guinea
- .991 Fernando Po (Spanish)
- .993 Principe Prince's island (Portuguese)
- .994 São Thomé St Thomas (Portuguese)
- .996 Annobon (Spanish)

967 South Central Africa

SUMMARY

- .1 Lower Guinea Cameroon
- .2 French Equatorial Africa French Kongo Loango
- .3 Angola Portuguese West Africa
- .4 Interior Ubangi-Shari Chad
- .5 Belgian Kongo
- .6 British East Africa
- .7 Somaliland
- .8 Zanzibar Tanganyika territory
- .9 Mozambique Portuguese East Africa

.1 Lower Guinea

Southern or Lower Guinea comprizes coasts of 967.21 Gabun, 967.3 Angola, and may include coast of Cameroon, which occupies a middle position between Upper and Lower Guinea

.11 Cameroon [Kamerun] (French) 166,489 sq. mi.

General number for former German Kamerun, larger portion of which was assigned to France

- .12 Coast region Jang, Yabasi, Duala, Edea, Kribi
- .13 Southwest region Ebolowa, Wolo Ntem, Ivindo
- .14 Southeast region Lomie, Yukaduma
- .15 Central region Bamun, Yaunde, Dume
- .16 Adamawa Banyo, Ngaundere
- .17 Garua Upper Logone
- .18 Spanish Guinea Rio Muni
- .19 Spanish islands

Alternativ place for Fernando Po see 966.991, and Annobon see 966.996

.2 French Equatorial Africa French Kongo Loango

French Equatorial Africa includes 967.11 Cameroon, and 967.4 Ubangi-Shari and Chad Military Territory

- .21 Gabun 121,862 sq. mi.
- .22 Coast region Libreville
- .23 East region Franceville, Lastourville
- .24 Middle Kongo 150,292 sq. mi.
- .25 West region
 - Loango, Bakunyi, Bwensa
- .26 South central region
 - Bacongo, Bjwe, Pool (Brazzaville), Batake, Alima, Kwiyu
- .27 North central region
 - Mossaka, Bakota, Bokiba, Lower Sanga, Likwala
- .28 North region
 - Benga Motaba, Middle Sanga, Upper Sanga

HISTORY

- 967.3 Angola Portuguese West Africa 484,800 sq. mi.**
- .31 Kongo Kabinda
 - .32 Loanda Shinga's country
Guanza-Norte, Guanza-Sul
 - .33 Benguela
 - .34
 - .35 Mossamedes
 - .36 Lunda
 - .37 Huila Gambos, Kamba, Mulondo
 - .38 Cubango
 - .39 Portuguese islands
Alternativ place for Principe see 966.993, and São Thomé see 966.994
- .4 Interior**
- .41 Ubangi-Shari (French) 208,219 sq. mi.
 - .42 East region Banda
 - .43 Chad Military Territory (French) 501,676 sq. mi.
 - .44 Southwest region Bagirmi
 - .45 Southeast region Wadai
 - .46 Central region Lake Chad Kanem
 - .47 Northeast region Borku
 - .48 Northwest region Teda or Tibba
 - .49 North region Tibesti or Tu
- .5 Belgian Kongo Free State Kongo basin 909,654 sq. mi.**
- .51 Kongo-Kasai province
Lower Kongo Boma Bakongo Middle Kongo Leopoldville
 - .52 Kwango Kasai Sankuru
 - .53 Equator province
Lake Leopold II, Equator
 - .54 Lulonga Bangala Ubangi
 - .55 Eastern province
Lower Uele, Upper Uele, Ituri, Stanleyville
 - .56 Aruwimi Lowa Uregga Maniema Kasongo
 - .57 Kivu Ruanda Urundi
 - .58 Katanga province
Lomami, Tanganyika-Moero, Urua
 - .59 Lulua Upper Luapula

DECIMAL CLASSIFICATION

- 967.6 British East Africa Kenya colony and protectorate**
 British East Africa includes 967.61 Uganda protectorate, 967.62-69 Kenya colony and protectorate, 967.81 Zanzibar, 967.82-89 Tanganyika territory
 Clas here general works on whole of British East Africa and those on Kenya colony and protectorate alone
- .61 Uganda protectorate 110,300 sq. mi.
 - .611 Buganda province
 Masaka, Mubendi, Mengo, Entebbe including islands in Victoria Nyanza
 - .612 Victoria Nyanza
 - .613 Western province
 Kigezi, Ankoli, Toro
 - .614 Albert Nyanza
 - .615 Eastern province
 Busoga, Bukedi, Teso, Lango, Lolor, Karamoja
 - .616 Northern province
 Bunyoro, West Nile, Gulu, Chua
 - .617 Rudolf province
 Turkwel, Turkana, Dabossa
 - .618 Lake Rudolf
 - .62-.69 Kenya colony and protectorate 246,822 sq. mi.
 - .62 Nyanza province
 North Kavirondo, Nandi, Kusumu, South Kavirondo, Lumbwa
 - .63 Naivasha province
 Southern Masai Reserve, Naivasha (district), Laikipia, Eldama Ravine, Uasin Gishu, Turkana
 - .64 Kenya province
 Nyeri, Meru, Embu, Fort Hall
 - .65 Ukamba province
 Kitui, Kikuyu, Machakos
 - .66 Seyidie province
 Teita, Vanga, Mombasa, Malindi
 - .67 Tanaland province
 Tana River, Lamu
 - .68 Jubaland province
 Afmadu, Kismayu, Serenli
 - .69 Northern Frontier District
 Not yet organized as a province
 - .7 Somaliland
 - .71 French Somali Coast French East Africa 5790 sq. mi.
 Obok, Tajura, Jibuti
 - .72 British Somaliland protectorate 68,000 sq. mi.
 - .728 Sokotra island 1382 sq. mi.
 - .73 Italian Somaliland 139,430 sq. mi.
 - .74 Sultunate of the Mijertins
 - .75 Territory of the Nogal
 - .76 Sultunate of Obbia
 - .77 Southern Italian Somaliland (formerly cald Benadir)
 Medio Shebeli, Basso Shebeli, Alto Shebeli, Alto Juba

HISTORY

- 967.8 **Zanzibar Tanganyika territory**
- .81 Zanzibar 640 sq. mi.
- .815 Pemba 380 sq. mi.
- .816 Mafia
- .82-.89 **Tanganyika territory 365,000 sq. mi.**
 Formerly German East Africa
- .82 North coast
 Tanga, Wilhelmstal, Pangani
- .83 Central coast
 Bagamoyo, Morogoro, Dar es Salaam
- .84 South coast
 Rufiji, Kilwa, Lindi
- .85 South or Lake Nyasa region
 Songea, Mahenge, Langenburg
- .86 South central region
 Iringa, Dodoma
- .87 North central region
 Kondoa-Irangi, Moshi, Arusha
- .88 Lake Victoria region
 Mwanza, Bukoba
- .89 West or Lake Tanganyika region
 Tabora, Ujiji, Bismarckburg
- .9 **Mozambique Portuguese East Africa 428,132 sq. mi.**
- .91 Nyasa company Companhia do Nyasa Cabo Delgado
 Querimba
- .92
- .93 Mozambique (district)
- .94 Quilimane or Kilimane Zambezi delta
- .95
- .96 Tete Zambezi basin
- .97 Mozambique company Companhia de Moçambique
 Gazaland, Sofala, Manika
- .98 Inhambane Hlenga-land
- .99 Lourenço Marques Delagoa Bay

DECIMAL CLASSIFICATION

968 South Africa

General number for Union of South Africa 1909, which includes nearly all area in 968.2-.8, with total area of 473,096 sq. mi.

SUMMARY

- .1 Bechuanaland protectorate
 - .2 Transvaal
 - .3 Zululand Swaziland Amatonga
 - .4 Natal
 - .5 Orange Free State
 - .6 Basutoland Kaffraria
 - .7 Cape of Good Hope
 - .8 South-West Africa protectorate
 - .9 Rhodesia Nyasaland protectorate
- .1 **Bechuanaland protectorate** 275,000 sq. mi.
- .11 Northwest region West Bamangwato
Use also as general number for Bamangwato tribe, which includes 968.11-.14
Ongova, Okavango, Bangai, Batawana
- .12 Northeast region East Bamangwato Bashona,
Batleli
- .13 North section Madenassa
- .14 South section Khama's country
- .15 Linchwe's country Bakatla tribe
- .16 Sebele's country Bakwena tribe
Masarwa, Makalahari
- .17 Bathoen's country Bangwaketse tribe
- .18 Montsioa's country Barolong tribe
- .19 Southwest and west region Kalahari desert
Kalahari desert in broad sense includes all Bechuanaland protectorate and
parts of Cape of Good Hope and South-West Africa protectorate
- .2 **Transvaal** 110,450 sq. mi.
1852 Transvaal State; 1877 annexed by Great Britain; 1884 South African
Republic; 1900 annexed again, Transvaal; 1910 an original province of Union of
South Africa
- .21 Pretoria (county and city)
- .22 Witwatersrand Johannesburg Krugersdorp
- .23 South central counties
Heidelberg, Standerton, Bethal
- .24 Southeast counties
Wakkerstroom, Piet Retief, Ermelo, Carolina
- .25 East counties
Barberton, Lydenburg, Middelburg
- .26 Zoutpansberg Pietersburg
- .27 Waterberg
- .28 Rustenburg Marico
- .29 Southwest counties
Lichtenburg, Potchefstroom, Wolmaransstad, Bloemhof

HISTORY

- 968.3 Zululand Swaziland Amatonga**
Zululand annex to Natal 1897. 10,424 sq. mi.
- .31 East region
Ndwandwe, Hlabisa, Mahlabatini, Emtonjaneni, Umfolozi
- .32 West region
Eshowe, Umlalazi, Mtunzini, Nkandhla, Nqutu
- .33
- .34 Swaziland 6678 sq. mi.
- .35 North region Mountains
Peak, Mbabane
- .36 South region
Ubombo, Mankaiana, Hlatikulu
- .37 Amatonga
Annex to Zululand 1897
- .38 North region
Ingwavuma, Tongaland, Maputa
- .39 South region Ubombo
- .4 Natal 35,284 sq. mi. (including Zululand 10,424 sq. mi.)
- .41 Northern districts
Annex from Transvaal to Natal 1903
Vryheid; Ngotshe, Vryheid (district), Babanango
Utrecht; Paulpietersburg, Utrecht (district)
- .42 Klip River division
Newcastle, Dundee, Klip River (district), Umsinga, Helpmakaar, Impofana
- .43 Weenen division
Bergville, Upper Tugela, Estcourt, Weenen (district)
- .44 Umvoti division
Krantzkop, Umvoti (district), Mapumulo
- .45 Pietermaritzburg division
Lions River, Howick, Impendhle, Underberg, Ipoela, Ixopo, New Hanover,
Indwedwe, Umgeni, Umkomanzi, Richmond, Camperdown
- .46 Victoria; Lower Tugela, Inanda
- .47 Durban Umluzi
- .48 Alexandra
- .49 Alfred; Alfred (district), Lower Umzimkulu

DECIMAL CLASSIFICATION

- 968.5 Orange Free State** 50,389 sq. mi.
 Orange River Colony 1900-1910
- .51 Central region Bloemfontein (county and city)
 - .52 West region
 Fauresmith, Jacobsdal
 - .53 Northwest region
 Boshof, Hoopstad
 - .54 North region
 Kroonstad, Vredesfort, Heilbron, Lindley, Frankfort
 - .55 Northeast region
 Vrede, Harrismith, Bethlehem
 - .56 Upper east region
 Senekal, Winburg
 - .57 Lower east region
 Ficksburg, Ladybrand, Thabanchu
 - .58 Southeast region
 Wepener, Rouxville, Smithfield
 - .59 Southwest region
 Edenburg, Bethulie, Philippolis
 - .6 **Basutoland Kaffraria**
 Kaffraria, east of Kei river; formerly independent nativ kingdom; annex to Cape of Good Hope 1875, and now incorporated as 968.63 Griqualand East, 968.64 Pondoland, 968.65 Tembuland, 968.67 Transkei
 - .61 Basutoland 11,716 sq. mi.
 Drakensberg mts form east boundary
 - .62
 - .63 Griqualand East 6602 sq. mi.
 Includes most of region formerly cald Noman's-land and afterwards named Adam Kok's Land
 .631 Matatiele .632 Mount Currie .633 Umzimkulu .634
 Mount Ayliff .635 Mount Frere .636 Mount Fletcher .637
 Qumbu .638 Maclear .639 Tsolo
 - .64 Pondoland 3906 sq. mi.
 British protectorate proclaimd 1885, annex to Cape of Good Hope 1894
 .641 East Pondoland .642 Bizana .643 Flagstaff .644
 Tabankulu .645 Lusikisiki, Umsikaba .646 Port St John's
 .647 West Pondoland .648 Libode .649 Ngqeleni
 - .65 Tembuland 3339 sq. mi.
 Annex to Cape of Good Hope 1885
 .651 Elliot .652 Slang River .653 Xalanga .654 St Mark's
 .655 Engcobo .656 Umtata .657 Bomvanaland .658
 Mqanduli .659 Elliotdale
 - .66
 - .67 Transkei 2504 sq. mi.
 Annex to Cape of Good Hope 1879
 .671 Gealeka or Galekaland .672 Willowvale .673 Kentani
 .674 Fingoland .675 Butterworth .676 Idutywa .677
 Nqamaqwe .678 Tsomo

HISTORY

- 968.7 **Cape of Good Hope** 276,966 sq. mi. Colony proper 208,661 sq. mi.
 Founded by Dutch 1652, taken by English 1795, returned 1803, taken again
 1806, formally ceded 1814
- .71 **Western province**
 .711 Cape Town (county) .712 Cape Town (city) .713
 Simon's Town .714 Wynberg .715 Woodstock .718
 Stellenbosch .719 Paarl
- .72 **Northwest province**
 .721 Tulbagh .722 Worcester .723 Ceres .724 Malmesbury
 .725 Piquetberg .726 Clanwilliam .727 Calvinia .728 Van
 Rhynsdorp .729 Namaqualand
- .73 **Southwest province**
 .731 Caledon .732 Bredasdorp .733 Robertson .734 Swel-
 lendam .735 Riversdale .736 Ladismith .737 Oudtshoorn
 .738 Mossel Bay .7385 George .739 Uniondale .7395
 Knysna
- .74 **Midland province**
 .741 Beaufort West .742 Prince Albert .7425 Laingsburg
 .743 Aberdeen .7435 Murraysburg .744 Graaff Reinet .745
 Fraserburg .7455 Sutherland .746 Victoria West .7465
 Carnarvon .747 Kenhardt .7475 Prieska .748 Hopetown
 .749 Britstown .7495 Richmond
- .75 **Southeast province**
 .751 Humansdorp .752 Willowmore .753 Jansenville .7535
 Steytlerville .754 Uitenhage .755 Port Elizabeth .756
 Alexandria .757 Albany, Grahamstown .758 Bathurst
 .759 Peddie .7595 Victoria East
- .76 **Northeast province**
 .761 Fort Beaufort .7615 Stockenstrom .762 Somerset East
 .763 Bedford .764 Cradock .765 Tarka .766 Middel-
 burg .7665 Steynsburg .767 Hanover .7675 Philipstown
 .768 Colesberg .769 Albert .7695 Molteno
- .77 **Eastern province**
 .771 Aliwal North .772 Herschel .773 Barkly East .774
 Wodehouse .775 Glen Grey .776 Queenstown .777 Cath-
 cart .7775 Stutterheim .778 King William's Town .7785
 Komgha .779 East London
- .8 **South-west Africa protectorate** 322,400 sq. mi.
 Formerly German West Africa
- .81 **Great Namaqualand**
 .82 Luderitz Land, Luderitz Bay, Angra Pequena .825 Warmbad
 .83 Bethany .833 Keetmanshoop .838 Hasuur .84 Gibeon
 .845 Maltahöhe
- .85 **Damara-land or Herero-land**
 .851 Swakopmund .852 Walfish or Walvis Bay .853 Reho-
 both .854 Windhoek .855 Gobabis .856 Okahandya .857
 Karibib .858 Omaruru
- .86 **Ovambo or Ovampo-land or Aajamba**
 .87 Outjo, Kaoko-land .88 Ambo-land .89 Grootfontein

DECIMAL CLASSIFICATION

- 068.9 **Rhodesia** 440,000 sq. mi. **Nyasaland protectorate**
 British South Africa Company charter 1889
- .91 **Southern Rhodesia** 149,000 sq. mi.
- .92 **Matabele-land**
 .921 Gwanda (including the former district of Tuli) .922
 Bulalima-Mangwe .9228 Tati district .923 Bulawayo
 .924 Matopo .9245 Umzingwane .925 Insiza .9255
 Belingwe .926 Nyamandhlovu .9265 Bubi .927 Gwelo
 .9275 Selukwe .928 Wankie .929 Sebungwe
- .93 **Mashonaland**
 .931 Chibi (formerly Mtibi) .932 Victoria .9323 Ndanga
 .9327 Melssetter .933 Chilimanzi .9335 Gutu .934
 Charter .9345 Umtali .935 Hartley .9355 Marandellas
 .936 Makoni .9365 Inyanga .937 Salisbury .9374
 Mrewa .9377 Mtoko .938 Mazoe .9385 Darwin
 .939 Lomagundi
- .94 **Northern Rhodesia** 291,000 sq. mi.
 Amalgamation of North-Eastern and North-Western Rhodesia 1911
- .95 **North-Western Rhodesia**
- .951 **Barotse or Mabunda Monkoya or Mankoya**
- .952
- .953 **Batoka Batonga**
- .954
- .955 **Kafue Mashukulumbwe Walenje**
- .956 **Kasempa Bakwakwa or Bakakwakwa**
- .957
- .958 **Loangwa**
- 1 North region Bakonde
- 5 Walamba
- .959 South region Zumbo
- 1 Aluano
- 5 Chicunda or Chikunda
- .96 **North-Eastern Rhodesia**
- .961 **Mwera or Mrewa Luapula or Mere-Mere Wausi**
 Lake Mweru, Moero or Meru Waitawa, Walundi, Wakisinga
- .962
- .963 **Tanganyika**
 Alungu or Ulungu, Amambwe or Mambwe, North Loangwa (a former
 district which included parts of Tanganyika and Awemba)
- .964
- .965 **Awemba**
 Wasenga, Watwa, Awisa, Lake Bangweulu, Bangweolo or Bemba
- .966
- .967 **Serenje (formerly West Loangwa)**
- .968 **East Loangwa or Luangwa**
 Awisa, Achewa or Ackewa, Asenga
- .97 **Nyasaland protectorate** 39,573 sq. mi.
 British Central Africa protectorate 1891-1907
- .971 North Nyasa .972 West Nyasa .9725 Mombera
 .973 Marimba .974 Central Angoniland .9741 Lilongwe
 .9745 Dedza .975 South Nyasa .976 Upper Shire .9765
 Liwonde .977 West Shire .9775 Zomba .978 Blantyre
 .9785 Mlanje or Milanji .979 Ruo .9795 Lower Shire

969 Madagascar and islands of South Indian Ocean

- .1 **Madagascar (French)** 228,000 sq. mi.
- .2
- .3
- .4 **Islands north of Madagascar**
- .41 Comoro: Mayotte or Mauté, Anjouan or Johanna,
Great Comoro, Moheli or Moali (French)
- .42 Aldabra (British)
- .43 Cosmoledos (British)
- .44 Gloriosa (French)
- .45 Providence (British)
- .46 Farquhar (British)
- .47 Agelaga (British)
- .5 **Amirantes or Admiral's (British)**
- .6 **Seychelles (British)**
29 îlets: Mahé, Praslin, Silhouette
- .7 **Chagos (British)**
Grand Chagos or Diego Garcia, Peros Banhos, Solomon, Danger, Egmont, Three Brothers or Trois Frères
- .8 **Mascarenes and islands east of Madagascar**
- .81 Reunion or Bourbon (French)
- .82 Mauritius or Île de France (British)
- .83 Rodriguez (British)
- .84 Cargados Garayos, St Brandon or Nazareth (British):
Albatross, Coco, Tromelin
- .9 **Isolated islands**
- .91 Amsterdam
- .92 Saint Paul
- .93 Kerguelen

970 North America

- .1 Indians, aborigines .2 Lives of Indians .3 Special tribes
 .4 Special states .5 Government relation and treatment .6 Special subjects: character, civilization, agriculture, etc.
 See 371.975 Education; 572.97 Ethnology; 497 Languages

971 Canada British America

General works on Canada under British rule
 For histories of special periods see 971.01-.054; of special provinces see 971.1-.9
 For constitutional history see 342.71

Period subdivisions

For works not limited to any of the territorial subdivisions .1-.9 but dealing with a limited period

Class archives with their periods and segregate them if wish by booknumbers that will automatically locate them ahead of other histories having the same class number: e.g. A1-A9 if Cutter numbers are used for other works; Aa-Az if Cutter-Sanborn numbers are used

- .01 French regime 1497-1763**
 From earliest time till cession to England
- .011 Discovery and early settlement 1497-1632**
 Early explorations along Atlantic seaboard 1497-1533. Discovery and occupation of St Lawrence 1534-43. Rise of fur trade 1544-1612. Permanent colonization 1613-32
- .016 Extension of English rule 1632-1763**
 Treaty of St Germain-en-Laye 20 Mar. 1632
- .018 Struggle with England for supremacy**
 Peace of Utrecht 1713-Peace of Paris 1763. Seven years war 1755-63; in United States cald French and Indian war. British supremacy dates actually from fall of Quebec, 1759; formally from peace of Paris, 10 Feb. 1763
- .02 End of 7 years war to constitutional act 1791**
 Conspiracy of Pontiac 1763-64
 Quebec act 1774
- .024 American revolution United Empire loyalists**
 Canadian libraries will class here United Empire loyalists, but works on the revolution 1775-83 are better put in 973.3
- .03 1792 to Union act 1841**
 See also 971.3 Ontario and 971.4 Quebec
- .034 War of 1812**
 1812-15 In United States cald also 2d war for independence
 Better class in 973.52 (United States history)
- .038 Rebellion 1837-38**
- .039 Union act 10 Feb. 1840**
 Passage of Union act, closing the period under the Constitutional act. See also constitutional history, 342.719
- .04 Union 1841 to Confederation 1867**
 Beginning with operation of Union act; Canadian parliament at Ottawa 13 June 1841. Class clergy reservs agitation in 971.3 Ontario; abolition of seigniories in 971.4 Quebec
- .048 Fenian invasions**
- .049 British North America act, 29 March 1867**
- .05 Dominion of Canada 1867-**
 Canada under British North America act
- .051 Red river (Riel's 1st) rebellion 1870**
- .054 Northwest (Riel's 2d) rebellion 1885**

HISTORY

Geografic divisions

- 971.1 **British Columbia**
- .2 **Northwest Territories**
 - Including former Hudson Bay territory
- .21 **Yukon**
 - Klondike region Dawson (city)
- .22 **Mackenzie**
- .23 **Alberta**
- .24 **Saskatchewan**
- .26 **Keewatin**
- .27 **Manitoba**
- .28 **Ungava**
- .29 **Franklin**
 - See also 998 Arctic region
- .3 **Ontario**
 - For St Lawrence river see 971.4
 - Formerly also Upper Canada or Canada West
 - See also 971.4 note Class here Clergy reserves
- .31 **Northwestern**
 - North shore of Lake Superior and Lake Huron; Georgian bay
- .311 **Rainy River district**
 - Lake of the Woods Rainy lake
- .312 **Thunder Bay district**
 - 5 *Fort William*
- .313 **Algoma district**
 - Sault Ste Marie
 - 5 **Manitoulin island**
- .314 **Nipissing district**
- .315 **Parry Sound Maganetawan districts**
- .316 **Muskoka Lake of Bays district**
- .317 **Simcoe**
- .318 **Grey Owen Sound (or Sydenham)**
- .32 **Western**
 - East shore of Lake Huron
- .321 **Bruce**
- .322 **Huron**
- .323 **Perth**
- .324 **Middlesex**
- .325 *London (city)*
- .326 **Lambton**
- .327 **Southwestern**
- .33 **Southwestern**
 - North shore of Lake Erie
- .331 **Essex**
 - Windsor (city)*
- .333 **Kent**
- .334 **Elgin**
 - St Thomas (city)*
- .335 **Norfolk**
- .336 **Haldimand**
- .337 **Welland**
- .338 **Welland**

DECIMAL CLASSIFICATION

971.34	West central
.341	Dufferin
.342	Wellington
.343	<i>Guelph</i> (city)
.344	Waterloo
.345	<i>Berlin</i> (city)
.346	Oxford
.347	Brant
.348	<i>Brantford</i> (city)
971.35	Southern
	West and North shore of Lake Ontario
.351	Lincoln
	<i>St Catherines</i> (city)
.352	Wentworth
	<i>Hamilton</i> (city)
.353	Halton Peel
.354	York
	<i>Toronto</i> (city)
.355	Ontario
.356	Durham
.357	Northumberland
.358	Hastings
	Prince Edward
.359	Lennox and Addington
.36	Central
.361	Haliburton
.362	
.363	
.364	Victoria
.365	
.366	
.367	Peterborough
.368	<i>Peterborough</i> (city)
.369	
.37	Southeastern
	St Lawrence river counties
.371	Frontenac
.372	<i>Kingsion</i> (city)
.373	Leeds
	Rideau lakes and canal
.374	Grenville
.375	Dundas
.376	Stormont
.377	Glengarry
.378	
.379	
.38	Northeastern
	Ottawa river counties
.381	Renfrew
.382	Lanark
.383	Carleton
.384	<i>Ottawa</i> (city)
.385	Russell
.386	Prescott

HISTORY

971.4 Quebec St Lawrence river

Lower Canada or Canada East

From its cession by France to England in 1763 all Canada was one colony, the Province of Quebec, till 1791. In 1791 it was divided by the constitutional act into 2 provinces: Upper Canada (Ontario) and Lower Canada (Quebec). By the union act, 1840, the 2 provinces were reunited as the Province of Canada; union in 1867 by the British North America act again divided into the provinces of Ontario and Quebec. Quebec is from Caudebec (Normandy), home of many of its early settlers.

- .41 Northern**
- .411 Mistassini
- .412 Abitibi
- .414 Lake St John
- .416 Chicoutimi
- .417 Saguenay Anticosti island
- .419 Ashuanipi
- .42 Western Ottawa river counties**
- .421 Pontiac
- .422 Ottawa (former county)
- 1 Wright
- 2 Hull (city)
- 5 Labelle
- .423 Argenteuil
- .424 Terre Bonne
- .425 Two Mountains
- .426 Vaudreuil
- 5 Soulanges
- .427 Laval
- .428 Hochelaga
- 1 Montreal (city)
- 5 Jacques Cartier
- .43 Southwestern South of the St Lawrence and west of Richelieu river**
- .431 Huntingdon
- .432 Beauharnois
- .433 Chateaugay
- .434 La Prairie
- .435 Napierville
- .436 Verchères
- .437 Chambly
- .438 St Johns
- .44 North central North of St Lawrence from Montreal to Saguenay river**
- .441 Montcalm
- 6 L'Assomption
- .442 Joliette
- .443 Berthier
- .444 Maskinonge
- .445 St Maurice
- .446 Champlain
- 6 Portneuf
- .447 Quebec
- 1 Quebec (city)
- .448 Montmorency
- Île d'Orléan
- .449 Charlevoix

DECIMAL CLASSIFICATION

- 971.45** **South Central**
 Counties south of St Lawrence from Richelieu river to Quebec
- .451 Richelieu
 - .452 St Hyacinthe
 - 5 Bagot
 - .453 Rouville
 - .454 Yamaska
 - .455 Nicolet
 - .456 Drummond
 - 5 Arthabaska
 - .457 Wolfe
 - 5 Megantic
 - .458 Lotbinière
 - .459 Levis
 - .46 **Southern**
 Southern border from Richelieu river to Lake Megantic
 - .461 Iberville
 - .462 Missisquoi
 - .463 Shefford
 - .464 Brome
 - .465 Richmond
 - .466 Sherbrooke
 Sherbrooke (city)
 - .467 Stanstead
 - .468 Compton
 - .469 Lake Megantic
 - .47 **Southeastern**
 Lower St Lawrence, southern side from Quebec to Gulf of St Lawrence
 - .471 Beauce
 - .472 Dorchester
 - .473 Bellechasse
 - 5 Montmagny
 - .474 L'Islet
 - .475 Kamouraska
 - .476 Temiscouata
 - .477 Rimouski
 - 5 Matane
 - .478 Bonaventure
 - .479 Gaspé
 - 7 Magdalen ilands
- .5** **New Brunswick**
- .51 **Northern**
 - .511 Restigouche
 - .512 Gloucester
 - .52 **Eastern**
 - .521 Northumberland
 - .522 Kent
 - .523 Westmoreland
 Monckton (city)

HISTORY

- 971.53 **Southern**
 - .531 Albert
 - .532 St John
 - St John (city)*
 - .533 Charlotte
 - Grand Manan ilan 1
 - .54 **Central**
 - .541 Kings
 - .542 Queens
 - .543 Sunbury
 - .55 **Western**
 - .551 York
 - Fredericton (city)*
 - .552 Carleton
 - .553 Victoria
 - .554 Madawaska
 - .6 **Nova Scotia**
 - .61 **Northern**
 - .611 Cumberland
 - .612 Colchester
 - .613 Pictou
 - .614 Antigonish
 - .62 **Southern**
 - .621 Guysborough
 - .622 Halifax co. and city
 - .623 Lunenburg
 - .624 Queens
 - .625 Shelburne
 - .63 **Western**
 - .631 Yarmouth
 - .632 Digby
 - .633 Annapolis
 - .634 Kings
 - .635 Hants
 - .69 **Cape Breton (iland)**
 - .691 Inverness
 - .693 Victoria
 - .695 Cape Breton
 - .696 *Sydney (city)*
 - .698 Richmond
 - .7 **Prince Edward Island**
 - .71 Prince
 - .74 Queens
 - .75 *Charlottetown (city)*
 - .77 Kings
 - .8 **Newfoundland**
 - .9 **Labrador**
- For Moravian missions see 266.46

972 Mexico Central America

Period divisions

.01	Ancient civilization	— 1516
	1 Toltec 2 Chichimec 3 Tarascan 4 Aztec 5 Maya	
.02	Discovery and Spanish rule	1516-1810
.03	Independence	1810-1822
.04	First empire Iturbide 1 Pronunciamientos	1822-1845
.05	War with United States. See also 973.6	1845-1848
.06	Constitution of '57 Reform	1848-1861
.07	French intervention	1861-1867
.08	Later history	1867-

Geografic divisions

.1	Free zone and Northern states
	Tamaulipas, Nuevo Leon, Cohahuila, Chihuahua, Sonora Durango
.2	Lower California and ilands
.3	Central Pacific states
	Sinaloa, Jalisco, Colima, Michoacan
.4	Interior states
	Zacatecas, San Luis Potosi, Aguascalientes, Guanajuato Querétaro, Hidalgo, Puebla, Tlascal, Morelos
.5	Mexico Federal district
.6	Southern Gulf states
	Vera Cruz, Tabasco, Campeche, Yucatan
.7	Southern Pacific states
	Guerrero, Oaxaca, Isthmus of Tehuantepec, Chiapas
.8	Central America
.81	Guatemala
.82	British Honduras Belize
.83	Honduras
.84	San Salvador
.85	Nicaragua
.86	Costa Rica
.9	West Indies
.91	Cuba
.92	Jamaica
.93	Santo Domingo
.94	Hayti
.95	Porto Rico
.96	Bahamas
.97	Leeward ilands
.98	Windward ilands Barbados
.99	Bermudas

973 United States

SUMMARY OF 973

.1	Discovery	—1607
.2	Colonial	1607—1775
.3	Revolution	1775—1789
.4	Constitutional	1789—1809
.5	War of 1812	1809—1845
.6	War with Mexico	1845—1861
.7	Civil war	1861—1865
.8	Later 19th century	1865—1901
.91	Early 20th century	1901—

See also 342.73 U. S. constitutional law and history; 328.73 U. S. legislative bodies and annals; 329 Political parties; 353 U. S. government

.1 Discovery —1607

From earliest times to settlement of Jamestown

See also 970.1-6 American Indians; 913.7 American antiquities; 571.91 Mounds and mound builders; 571.85 Pueblos

.11 Precolumbian

For precolumbian claims of Chinese, Norse, Welsh, etc. see .12 to .14 below

Arabs	Poles
Jews	Germans Martin Bchaim
Africans	Italians
Irish	

.12 Chinese**.13 Norse**

Gunnbiorn	Bjarni Herjulfson
Eric the Red	Thorwald
Leif Ericson	Thorfinn Karlsefne

.14 Welsh

Prince Madoc

.15 Columbus**.16 Spanish and Portuguese**

Dates of voyages are added to names

Amerigo Vespucci 1497-1504	
Gaspar and Miguel Cortereal 1500-2	Labrador
Juan Ponce de Leon 1513-21	Florida
Vasco Nufez de Balboa 1513	Pacific ocean
Hernando Cortés 1518-40	See also 972.02 History of Mexico
Fernando da Magalhaens 1518-21	Magellan straits
Francisco Pizarro 1524-41	See also 985 History of Peru
Hernando de Soto 1539-42	Mississippi river
Francisco Vasquez de Coronado 1540-42	New Mexico, Arizona, Colorado

.17 English

John and Sebastian Cabot 1497-1530
Sir John Hawkins 1562-69
Sir Francis Drake 1570-80
Sir Martin Frobisher 1576-78
Sir Humphrey Gilbert 1578-83
Sir Walter Raleigh 1578-1602
John Davis 1585-87
Bartholomew Gosnold 1602-07

DECIMAL CLASSIFICATION

- 973.18 French**
 Giovanni da Verrazano 1524
 Jacques Cartier 1534-44 Canada
 Jean Ribault 1562-65 Florida
 René de Laudonnière 1564-66 Florida
 Samuel de Champlain 1603-35 See also 971 History of Canada
- .19 Other nations**
- .2 Colonial period 1607-1775**
 See also histories of separate colonies
- .21 Virginia settlement 1607-20**
 Settlement of Jamestown 13 May 1607 See 975.5 Virginia history
 Hudson's voyage 1609 See also 974.7 N. Y. history
James 1 1608-28
- .22 New England settlement 1620-43**
 Settlement of Plymouth 21 Dec. 1620 See 974.4 Mass. history
 Pequot war 1636-37 Connecticut
Charles 1 1628-49
- .23 New England confederacy 1643-64**
 United colonies of New England 19 May 1643
*Commonwealth 1649-53
 Oliver Cromwell 1653-58
 Richard Cromwell 1658-59*
- .24 Conquest of New Netherland 1664-89**
 King Philip's war 1675-76 Massachusetts
 War with eastern indians 1675-78 Maine
 Sir Edmund Andros, governor of New England 1686-89
*Charles 2 1680-88
 James 2 1688-88*
- .25 Early French wars 1689-1732**
 Witchcraft in New England See 133.4
 King William's war 1689-97
 Sometimes called in Europe 'War of the Palatinate'
 Queen Anne's war 1702-13
 Known in Europe as War of the Spanish succession
*William 3 1689-1702
 Anne 1702-14
 George 1 1714-27*
- .26 Extension of English rule 1732-63**
 Settlement of Georgia 1732 See 975.8 Georgia history
 King George's war 1744-48
 Known in Europe as War of the Austrian succession
 Albany convention assembled 19 June 1754
 French and indian war 1755-63
 Known in Europe as Seven years war
 Braddock's defeat 9 July 1755
 Crown Point and Ticonderoga 1758-59
 Capture of Louisburg 27 July 1758
 Capture of Quebec 18 Sep. 1759; Montcalm and Wolfe
 Peace of Paris 10 Feb. 1763
George 2 1757-60
- .27 Last years of the colonies 1763-75**
 See also specially 973.311 Causes of the Revolution
 Conspiracy of Pontiac 1763-64
 Bouquet's expedition 1763-64
 Lord Dunmore's war Ap.-Oct. 1774 Virginia
George 3 1760-1820

973.3 Revolution and confederation

1775-89

SUMMARY OF 973.3

- .31 Political history
- .32 Diplomatic history
- .33 Special campaigns and battles
- .34 General military history
- .35 Naval history
- .36 Celebrations
- .37 Prisons, hospitals
- .38 Personal narratives
- .39 Illustrative material

- .31 Political history; causes, results
 - For financial history see 336.73
- .311 Causes
 - 1 Stamp act 1765
 - 2 Navigation acts; mercantil policy
 - Burning of the Gaspé 17 June 1772
 - 3 Boston massacre 5 Mar. 1770
 - 4 Taxation and representation
 - 5 Tax on tea 1767 Boston tea party 16 Dec. 1773
 - 6 Boston port bill 1774
- .312 Political history 1775-83
 - Continental congress See 328.73 U. S. legislative bodies
- .313 Declaration of independence 4 July 1776 See also 973.361
 - Mecklenburg declaration 20 May 1775
- .314 Loyalists, Tories See also 973.381 Treason and traitors
- .315 Relations of special classes to the Revolution
 - Clergy and churches
 - Lawyers
 - College graduates
- .316
- .317 Treaty of peace 1783
 - Concluded at Paris 3 Sep. 1783; ratified 14 Jan. 1784
- .318 Confederation 1783-89
 - Shay's rebellion 1786-87 Massachusetts
 - Cession of western territory to United States
- .319
- .32 Diplomatic history; relations with other nations
 - Divided like 940; e. g. 973.324 Relations with France; 973.326 Relations with Spain
- .33 Special campaigns and battles
- .331 Campaigns of 1775
 - 1 Lexington and Concord 19 April See also 973.362
 - 2 Bunker Hill 17 June See also 973.366
 - 3 Siege of Boston June 1775-March 1776
 - 4 Ticonderoga 10 May
 - Crown Point 12 May
 - 5 Canadian expeditions
 - Montgomery
 - Arnold
 - 6
 - 7
 - 8 Events in the south

DECIMAL CLASSIFICATION

- 973.332 Campaigns of 1776
- 1 Campaign for the Hudson
 - 2 Battle of Long Island 27 Aug.
 - 3 British occupation of New York
 - 4 American retreat Sep.-Nov. 1776
 - Harlem Hights 16 Sep.
 - White Plains 28 Oct.
 - Fort Washington 16 Nov.
 - 5 Washington in the Jerseys Dec. 1776-Jan. 1777
 - 6 Trenton 26 Dec.
Princeton 3 Jan. 1777
 - 7
 - 8 Events in the south
 - North Carolina
 - Fort Moultrie, Sullivan's island 28 June
- .333 Campaigns of 1777
- 1 Events in Connecticut and Rhode Island
 - 2 Burgoyne's campaign
 - Ticonderoga evacuated 6 July
 - Hubbardton, Vt 7 July
 - Bennington, Vt 16 Aug.
 - 3 Freeman's farm or Bemis Hights or Stillwater 19 Sep.
Bemis Hights or Saratoga 7 Oct.
Burgoyne's surrender 17 Oct.
 - 4 Fort Stanwix or Fort Schuyler or Oriskany 2-22 Aug.
 - 5 Clinton's advance up the Hudson
Forts Clinton and Montgomery 6 Oct.
 - 6 Howe's campaign
 - Brandywine 11 Sep.
 - Paoli 20 Sep.
 - 7 Philadelphia taken by British 27 Sep.
Germantown 4 Oct.
Forts on the Delaware
 - Red Bank, or Fort Mercer 22 Oct.
 - Mud island, or Fort Mifflin 10-16 Nov.
 - 8 Events in south Including Kentucky
- .334 Campaigns of 1778
- 1 Washington at Valley Forge 1777-78
 - 2 Events in middle states
 - Battle of Monmouth 28 June
 - 3 Evacuation of Philadelphia June
 - 4 Indian depredations See also 973.343
 - Wyoming 1-4 July
 - Mohawk valley
 - Cherry valley 11 Nov.
 - Brant See also 970.2 Indian biography
 - 6 Rhode Island campaign, August See also 973.354 Naval history
 - 7 Events in the south
 - Capture of Savannah 29 Dec.
 - 8 Events in northwest 1778-79
 - Clark's expedition
 - Vincennes, Ind. 2 Jan. and 20 Feb. 1779

HISTORY: UNITED STATES

- 973 335 Campaigns of 1779
- 1 Events in New England
 - Tryon in Connecticut July
 - 2 Penobscot expedition Aug. and Sep.
 - 3 Events in middle states
 - Minisink 19 July
 - 4 Wayne at Stony Point 16 July
 - 5 Paulus Hook 19 Aug.
 - 6 Sullivan's expedition July-Sep.
 - 7 Events in the south
 - Briar creek 3 Mar.
 - Siege of Savannah 23 Sep. and 18 Oct.
 - 8 Events in northwest See 973.3348
- .336 Campaign of 1780
- 1 Southern campaigns
 - Waxhaws, N. C. 29 May
 - Ramsour Mills, N. C. 20 June
 - Leslie's expedition into Virginia Oct.
 - 2 Siege of Charleston Mar.-May
 - 3 Camden, S. C. 16 Aug.
 - 4 Kings mountain, S. C. 7 Oct.
 - 5 Events in middle states
 - Springfield, N. J. 23 June
 - Bull's Ferry, N. Y. 21 July
 - 6 Northern invasion
- .337 Campaigns of 1781
- 1 Southern campaigns
 - 2 Events in Carolinas Jan.-Ap.
 - Cowpens, S. C. 17 Jan.
 - Guilford, N. C. 15 Mar.
 - Hobkirks hill, S. C. 25 Ap.
 - 3 Events in Carolinas May-Dec.
 - Port Ninety-Six, S. C. May-June
 - Eutaw Springs, S. C. 8 Sep.
 - 4 British in Virginia
 - 5 Siege of Yorktown Sep.-Oct.
 - Surrender of Cornwallis 19 Oct.
 - 6 Events in the north
 - 7 Arnold in Connecticut Sep.
- .338 Campaigns of 1782
- .339 Events of 1783
 - British evacuation of New York 25 Nov. See also 973.363

DECIMAL CLASSIFICATION

- 973.34 **General military history**
- .341 English side
 - .342 Mercenaries; Hessians
 - .343 Indians
 - .344 American side
 - Part taken by special states, specially the northern states. Under the number for each state use the book numbers A1-A19 for official publications, A2 for lists of revolutionary soldiers
- I
- 2 New Hampshire
 - 3 Vermont Not then a state, admitted 1791
 - 4 Massachusetts
 - 5 Rhode Island
 - 6 Connecticut
 - 7 New York
 - 8 Pennsylvania
 - 9 New Jersey
- .345 Southern states
- 1 Delaware
 - 2 Maryland
 - 5 Virginia
 - 6 North Carolina
 - 7 South Carolina
 - 8 Georgia
- .346 American auxiliaries
- .347 French
- .348
- .349 Special topics
- Conway cabal 1777-78
 - Mutiny of Pennsylvania line Jan. 1781
 - Newburgh addresses 1782-83
- .35 **Naval history**
- .351 Events of 1775
 - Capture of the Margareta June 12
 - .352 Events of 1776
 - Escape of British sloop of war Glasgow 6 Ap.
 - Battle of Lake Champlain 11-13 Oct.
 - Gen. Benedict Arnold
 - .353 Events of 1777
 - Lexington and Alert 20 Sep.
 - .354 Events of 1778
 - French fleet at Newport
 - .355 Events of 1779
 - Bon Homme Richard and the Serapis 23 Sep.
 - .356 Events of 1780
 - Trumbull and Watt 2 June
 - .357 Events of 1781
 - Alliance and British brigs Atalanta and Trepassey 28 May
 - .358 Privateers

HISTORY: UNITED STATES

- 973.36 Celebrations, anniversaries, commemorations**
These should usually be class with the special event commemorated, but some anniversaries are of such general character as to be better class here
For patriotic societies commemorating the revolution see 369.13
- .361 Fourth of July See also 973.313
.362 19th of April See also 973.3311
.363 Evacuation day, New York See also 973.339
.364
.365 Monuments, memorials See also 718
.366 Bunker Hill monument See also 973.3312
.367 Washington's various headquarters
Newburgh, N. Y.
Morristown, N. J.
- .37 Prisons, hospitals, etc.**
.371 English prisons
1 Jersey prison ship
2 Sugar house prison
.372 American prisons
.373 Exchange of prisoners
.374
.375 Medical dep't; surgeons, nurses, etc.
.376 Hospitals
.377
.378
.379
.38 Personal narratives, vindications, secret servis
.381 Treason and traitors See also 973.314 Loyalists, Tories
.382 Benedict Arnold
.383 Charles Lee
.384
.385 Secret servis, spies
American side: Nathan Hale
British side: Major John André
- .386**
.39 Illustrativ material
These numbers should be used mainly for references. Poems, dramas etc. should usually be class under their own numbers, 811, 812, etc. but special collections should be class here
- .391 Poetry
.392 Drama
.393 Fiction
.394 Addresses
.395 Sermons
.396 Humor
.397 Pictures
Paintings, drawings, caricatures, engravings, fotografis, sculpture
.398 Music
.399 Maps

DECIMAL CLASSIFICATION

- 973-4 **Constitutional period** 1789-1809
 See 342.73 U. S. constitution; 329.1 Federal party 1789-1823; 329.2 Antifederal party 1789-92
- .41 **George Washington** 30 Ap. 1789-4 Mar. 1797
 Born 22 Feb. 1732; died 14 Dec. 1799
 Sworn into office 30 Ap. 1789
 National bank established 25 Feb. 1791 See 332.11
 Vermont admitted, 14th state 4 Mar. 1791 See 974.3
 Kentucky admitted, 15th state 1 June 1792 See 976.9
- .42 **Indian wars**
 Harmer's expedition 1790
 St Clair's expedition 1791
- .43 **Washington's 2d term** 4 Mar. 1793-4 Mar. 1797
 Neutrality proclamation 22 Ap. 1793 See also 341.3
 Whisky insurrection July-Nov. 1794
 Wayne's expedition, Oct.-Nov. 1794, and treaty, 3 Aug. 1795
 Jay's treaty 28 Oct. 1795 See also 341.2
 Treaty with Spain 27 Oct. 1795 See also 341.2
 Tennessee admitted, 16th state 1 June 1796 See 976.8
- .44 **John Adams** 4 Mar. 1797-4 Mar. 1801
 Born 31 Oct. 1735; died 4 July 1826
 Alien act 25 June 1798 See 341.5
 Sedition act 14 July 1798 See 323
 Removal of capitol to Washington
- .45 **Troubles with France**
 Naval battles; Constellation and L'Insurgent 9 Feb. 1800
- .46 **Thomas Jefferson** 4 Mar. 1801-4 Mar. 1809
 Born 2 Ap. 1743; died 4 July 1826
 Ohio admitted, 17th state 19 Feb. 1803 See 977.1
 Purchase of Louisiana 2 May 1803
- .47 **Wars with Barbary states**
- .48 **Jefferson's second term** 4 Mar. 1805-4 Mar. 1809
 Aaron Burr's conspiracy 1806
 See also 923.27 lives of Burr; and 343.1 Trials
 Embargo act 22 Dec. 1807
- .5 **War of 1812** 1809-45
- .51 **James Madison** 4 Mar. 1809-4 Mar. 1817
 Born 16 Mar. 1751; died 28 June 1836
 Engagement between ships President and Little Belt 16 May 1811
 Defeat of Indians by Gen. Harrison at Tippecanoe 7 Nov. 1811
 Louisiana admitted, 18th state 30 Ap. 1812 See 976.3
 Indiana admitted, 19th state 11 Dec. 1816 See 977.2

HISTORY: UNITED STATES

- 973-52 War of 1812
War declared 18 June 1812. Treaty of peace 24 Dec. 1814
- .521 Political history; causes, results
Hartford convention
- .522 Diplomatic history
- .523 Special campaigns and battles
- 1 Campaign in northwest
Includes all west of New York
Surrender of Detroit 16 Aug. 1812
- 2 Events in northwest 1813-14
- 3 Campaign in New York, New England and Canada
Battle of Queenstown 13 Oct. 1812
- 4 Events in New York and New England 1813
Capture of Fort Niagara 19 Dec.
- 5 Events in Canada 1813
Capture of Fort George 27 May
Battle of Thames 5 Oct.
- 6 Events in New York and New England 1814
Bombardment of Stonington, Conn. 9-12 Aug.
- 7 Events in Canada 1814
Capture of Fort Erie 3 July
Battle of Chippewa 5 July
Battle of Lundy's lane 25 July
- 8 Campaign in the south
Battle of Bladensburg 24 Aug. 1814
Burning of Washington 24 Aug. 1814
Bombardment of Fort McHenry 13 Sep. 1814
- 9 Events in Louisiana
Battle of New Orleans 22 Dec. 1814-8 Jan. 1815
- .524 General military history
- 1 English side
- 2 Indian allies
- 3
- 4 American side in general
Divided like 974. Under the number for each state use the book numbers
A1-A19 for official publications, A2 for lists of soldiers
- 5 South Atlantic states
Divided like 975
- 6 Gulf states
Divided like 976
- 7 Lake states
Divided like 977

DECIMAL CLASSIFICATION

- 973.525 Naval history
- 1 Events of 1812
 - Constitution and Guerrière 19 Aug.
 - Wasp and Frolic 18 Oct.
 - United States and Macedonia 25 Oct.
 - Constitution and Java 29 Dec.
 - 2 Events on inland waters
 - 3 Events of 1813
 - Hornet and Peacock 24 Feb.
 - Chesapeake and Shannon 1 June
 - Pelican and Argus 14 Aug.
 - Enterprise and Boxer 5 Sep.
 - 4 Events on inland waters
 - Battle of Lake Erie 10 Sep.
 - 5 Events of 1814
 - Essex against Phoebe and Cherub 28 Mar.
 - Peacock and Epervier 29 Ap.
 - Wasp and Reindeer 28 June
 - Wasp and Avon 1 Sep.
 - Wasp and Atlanta 21 Sep.
 - 6 Events on inland waters
 - Battle on Lake Champlain 11 Sep.
 - 7 Events of 1815
 - Capture of frigate President 15 Jan.
 - Capture of Cyane and Levant by the Constitution 20 Feb.
 - Hornet and Penguin 23 Mar.
 - 8 Privateers
- .526 War meetings, celebrations, anniversaries, etc.
 See note under 973.36
 See 369.14 societies of the war of 1812
- .527 Prisons, hospitals, etc.
- 1 English prisons Dartmoor
- .528 Personal narrativs, vindications, secret servis
- .529 Illustrativ material Divided like 973.39
- .53 Algerine war
- .54 **James Monroe** 4 Mar. 1817-4 Mar. 1825
 Born 28 Ap. 1758; died 4 July 1831
 Mississippi admitted, 20th state 10 Dec. 1817 See 976.2
 Illinois admitted, 21st state 3 Dec. 1818 See 977.3
 Purchase of Florida 25 Feb. 1819
 Alabama admitted, 22d state 14 Dec. 1819 See 976.1
 Maine admitted, 23d state, 15 Mar. 1820 See 974.1
 Missouri compromise See 326.973 and 973.7113
 Missouri admitted, 24th state 10 Aug. 1821 See 977.8
 Monroe doctrin Dec. 1823 See 327.73
 Tariff act 22 May 1824 See 337
- .541 First Seminole war 1818
- .55 **John Quincy Adams** 4 Mar. 1825-4 Mar. 1829
 Born 11 July 1767; died 23 Feb. 1848
 Erie canal completed 1825 See 386
 Panama congress 1826 See 341.1
 Removal of Creek indians 1825-29 See 970.3
 Tariff act 19 May 1828 See 337

HISTORY: UNITED STATES

- 973-56 **Andrew Jackson** 4 Mar. 1829-4 Mar. 1837
 Born 15 Mar. 1767; died 8 June 1845
 Rotation in office See 351.6
 United States bank See 332.11
 Whig party See 329.4
 Compromise tariff act 3 Mar. 1833 See 337
 Independence of Texas 2 Mar. 1836 See 976.4
 Arkansas admitted, 25th state 15 June 1836 See 976.7
 Specie circular 11 July 1836 See 336.73
 Michigan admitted, 26th state 26 Jan. 1837 See 977.4
- .561 Nullification See also 342.73
 Webster and Hayne debate 25-27 Jan. 1830
 Nullification ordinance, South Carolina 24 Nov. 1832
- .562 Black Hawk war 1832
- .57 **Martin Van Buren** 4 Mar. 1837-4 Mar. 1841
 Born 5 Dec. 1782; died 24 July 1862
 Panic of 1837 See 332
 Alton riot 7 Nov. 1837 See 326.973
 Burning of Caroline 26 Dec. 1837
 Northeast boundary, Aroostook war Feb.-Mar. 1839
 Amistad case 1839
- .571 Second Seminole war 1835-42
- .58 **William Henry Harrison** 4 Mar. 1841-4 Ap. 1841
 Born 9 Feb. 1773; died 4 Ap. 1841
- John Tyler** 4 Ap. 1841-4 Mar. 1845
 Born 29 Mar. 1790; died 18 Jan. 1862
 Dorr's rebellion May-June 1842 See 974.5
 Ashburton treaty, northeast boundary
 Texas annexation resolution 28 Feb. 1845
 Florida admitted, 27th state 3 Mar. 1845 See 975.9
- .6 **War with Mexico** 1845-61
- .61 **James Knox Polk** 4 Mar. 1845-4 Mar. 1849
 Born 2 Nov. 1795; died 15 June 1849
 Texas annexed, 28th state 29 Dec. 1845 See 976.4
 Wilmot proviso adopted by house 8 Aug. 1846 See also 973.7113
 Iowa admitted, 29th state 28 Dec. 1846 See 977.7
 Wisconsin admitted, 30th state 29 May 1848 See 977.5
 Free soil party; Buffalo convention Aug. 1848 See 329.6
- .611 Northwest boundary; Oregon; treaty with England 12 June 1849
- .62 Mexican war 1845-48
 War declared 13 May 1846; treaty of peace 30 May 1848
- .621 Political history; causes, results
 Annexation of Texas
 Acquisition of California, Nevada, Utah, Arizona, etc.
- .622 Diplomatic history
- .623 Special campaigns and battles
- 1 Kearny in New Mexico
- 2 Fremont in California
- 3 Taylor's campaign
- 4 On the Rio Grande
 Palo Alto 8 May 1846
 Resaca de la Palma 9 May
 Matamoras 18 May
- 5 In Mexico
 Monterey 20-25 Sep. 1846
 Buena Vista 22-23 Feb. 1847

DECIMAL CLASSIFICATION

- 973.623 6 Scott's campaign
 7 Vera Cruz 22-29 Mar. 1847
 Cerro Gordo 17-18 Ap.
 8 Battles near Mexico
 Contreras 19-20 Aug.
 San Antonio 20 Aug.
 Churubusco 20 Aug.
 9 Capture of Mexico
 Molino del Rey 8 Sep.
 Chapultepec 12-13 Sep.
 Mexico 14 Sep.
- .624 General military history
 .625 Naval history
 .626 War meetings, celebrations, anniversaries
 See note under 973.36; also 369.145 Aztec club of 1847
 .627 Prisons, hospitals, etc.
 .628 Personal narrat. vs
 .629 Illustrativ material See note under 973.39
 .63 Zachary Taylor 5 Mar. 1849-9 July 1850
 Born 24 Sep. 1784; died 9 July 1850
 Inaugural ceremony 5 March
 Compromise of 1850, Omnibus bil, introduced by Henry Clay
 29 Jan. 1850 See also 326.973 and 973.7113
 .64 Millard Fillmore 9 July 1850-4 Mar. 1853
 Born 7 Feb. 1800; died 7 Mar. 1874
 Clayton-Bulwer treaty 4 July 1850 See also 386
 California admitted, 31st state 9 Sep. 1850 See 979.4
 Fugitiv slave law 18 Sep. 1850 See 326.973
 Popular sovereignty, or squatter sovereignty See 342.73 and 326.973
 Filibustering expeditions to Cuba 1849-51 See 972.91
 .65
 .66 Franklin Pierce 4 Mar. 1853-4 Mar. 1857
 Born 23 Nov. 1804; died 8 Oct. 1869
 Know-nothing party See also 329.5
 Republican party See also 329.6
 Com. Perry's expedition to Japan 1852-54 See also 915.2 and 341.273
 Gadsden treaty with Mexico for purchase of southern Arizona and
 New Mexico 30 June 1854
 Kansas-Nebraska bil 30 May 1854 See also 326.973, 978.1 and 978.2
 Ostend manifesto 18 Oct. 1854 See also 972.91
 Walker's filibuster expedition against Nicaragua 1855 See also 972.85
 .67
 .68 James Buchanan 4 Mar. 1857-4 Mar. 1861
 Born 23 Ap. 1791; died 1 June 1868
 Dred Scott decision 6 Mar. 1857 See also 326.973 and 973.7113
 Lecompton constitution, Kansas; proslavery 7 Nov. 1857
 See also 978.1
 Minnesota admitted, 32d state 11 May 1858 See 977.6
 Oregon admitted, 33d state 14 Feb. 1859 See 979.5
 John Brown's raid 16-17 Oct. 1859 See also 973.7116 and 326.973
 Kansas admitted, 34th state 29 Jan. 1861 See 978.1
 .69

HISTORY: UNITED STATES

973-7 War of secession

4 Mar. 1861—15 Ap. 1865

SUMMARY OF 973-7

- .71 Political history
- .72 Diplomatic history
- .73 Special campaigns and battles
- .74 General military history
- .75 Naval history
- .76 Celebrations
- .77 Prisons, hospitals
- .78 Personal narratives
- .79 Illustrativ material

Abraham Lincoln

4 Mar. 1861—15 Ap. 1865

Born 12 Feb. 1809; died 15 Ap. 1865

1st term 4 Mar. 1861—4 Mar. 1865; 2d term 4 Mar. 1865—15 Ap. 1865

.71 Political history; causes, results

West Virginia admitted, 35th state 19 June 1863 See 975.4

Nevada admitted, 36th state 31 Oct. 1864 See 979.3

.711 Causes

1 Slavery See also 326

2 Extension of slavery
Annexation of territory
Slavery in the territories

3 Compromises
Missouri compromise 1820 See also 973.54
Wilmot proviso 1846 See also 973.61
Compromise of 1850 See also 973.63

4 Abolition movement
Murder of Elijah P. Lovejoy 7 Nov. 1837
Assault on Charles Sumner by Preston S. Brooks 22 May 1856

5 Fugitiv slaves
Underground railway
Dred Scott case See also 973.68

6 John Brown's raid See also 973.68

7 States' rights

8 Tarif See also 337

.712 Efforts to preserv peace

Crittenden compromise introduced 18 Dec. 1860

Peace conference 4—27 Feb. 1861

.713 Secession of southern states

South Carolina 20 Dec. 1860

Mississippi 9 Jan. 1861

Florida 10 Jan.

Alabama 11 Jan.

Georgia 19 Jan.

Louisiana 26 Jan.

Texas 1 Feb.

Confederate States of America formd 4 Feb.

Virginia 17 Ap.

Arkansas 6 May

North Carolina 20 May

Tennessee 8 June

For constitutional conventions see subdivisions of 342; proceedings and documents of Confederate congress and of state legislatures see subdivisions of 328

.714 Results of the civil war

Emancipation proclamation 1 Jan. 1863 See also 326.8

Freedmen's bureau See 361

For the present condition of negro, see 325.26

For negro colony in Liberia, Africa, see 325.6; history of Liberia 966.6

DECIMAL CLASSIFICATION

- 973-715 Relations of special classes to the civil war
 Clergy and churches. Colleges, students and graduates
- .716 Southern side
- .717 Unionists in the south
- .718 Secessionists in the north
- .72 Diplomatic history: relations with other nations
 Divided like 940; e. g. 973.722 Relations with England, 973.727 Russia
- .721 Diplomatic history of Confederate States
 Divided like 940; e. g. 973.7214 Relations of Confederate States with France
- .73 Special campaigns and battles
 General arrangement of topics is based on *Official records of the Union and Confederate armies*, pub. by the U. S. The indexes of those volumes can be used as a minute subject index for subdivisions of 973.73
- .731 Campaign of 1861
- 1 Operations in Charleston harbor, S. C. 20 Dec. 1860-14 Ap. 1861
 Bombardment of Fort Sumter 12-14 April
 - 2 Operations in other southern states (see *Official records*, v. 1)
 - 3 Maryland, Pennsylvania, Virginia, West Virginia, 16 Ap.-31 July
 Riot at Baltimore, Md. 19 April
 Engagement at Big Bethel, or Bethel Church, Va. 10 June
 Battle of Bull Run, or Manassas, Va. 21 July
 - 4 Missouri, Arkansas, Kansas, Indian Territory 10 May-19 Nov.
 - 6 Texas, New Mexico, Arizona 11 June-1 Feb. 1862
 Kentucky, Tennessee 1 July-19 Nov.
 North Carolina, southeastern Virginia 1 Aug.-11 Jan. 1862
 - 7 Maryland, northern Virginia, West Virginia 1 Aug.-17 Mar. 1862
 - 8 Engagement at Ball's Bluff, Va. 21 Oct.
 Action near Edwards Ferry, Va. 22 Oct.
 - 9 S. Carolina, Georgia, middle and east Florida 21 Aug.-11 Ap. 1862
- .732 Campaign of 1862
- 1 West Florida, southern Alabama, southern Mississippi, Louisiana
 1 Sep. 1861-12 May 1862
 Capture of New Orleans, La. 18 Ap.-1 May
 - 2 Kentucky, Tennessee, north Alabama, southwest Virginia
 19 Nov. 1861-4 March 1862
 Capture of Fort Henry, Tenn. 6 Feb.
 Siege and capture of Fort Donelson, Tenn. 12-16 Feb.
 - 3 Missouri, Arkansas, Kansas, Indian T. 19 Nov. 1861-10 Ap. 1862
 Battle of Pea Ridge, or Elkhorn tavern, Ark. 6-8 Mar.
 - 4 Southeastern Virginia 11 Jan.-17 Mar.
 Battle of Merrimac and Monitor See 973.752
 North Carolina 11 Jan.-20 Aug.
 Burnside expedition
 Battle of Roanoke island, N. C. 8 Feb.
 Texas, New Mexico, Arizona 1 Feb.-20 Sep.
 - 5 Kentucky, Tennessee, north Mississippi, north Alabama, southwest Virginia 4 Mar.-10 June
 Siege of Corinth, Miss. 29 Ap.-10 June
 - 6 Battle of Pittsburg Landing or Shiloh, Tenn. 6-7 Ap.

HISTORY: UNITED STATES

- 973-732 Campaign of 1862 *continued*
- 7 Peninsular campaign, Va. 17 Mar.-2 Sep.
 Siege of Yorktown, Va. 5 Ap.-4 May
 Battle of Fair Oaks, or Seven Pines, Va. 31 May-1 June
 Seven-days battles 25 June-1 July
 - 8 Northern Virginia, West Virginia, Maryland 17 Mar.-2 Sep.
 Battle of Cedar Run, or Cedar (Slaughter) mountain, Va. 9 Aug.
 Second battle of Bull Run, or Manassas, Va. 30 Aug.
 - 9 Missouri, Arkansas, Kansas, Indian Territory, Dep't of N. W.
 10 Ap.-20 Nov.
- .733 Campaign of 1862 *concluded*
- 1 South Carolina, Georgia, middle and east Florida 12 Ap. 1862-
 11 June 1863
 - 2 West Florida, southern Alabama, southern Mississippi, Louisiana
 12 May 1862-14 May 1863
 Texas, New Mexico, Arizona 20 Sep. 1862-14 May 1863
 - 3 Kentucky, middle and east Tennessee, north Alabama, southwest
 Virginia 10 June-31 Oct.
 - 4 West Tennessee, northern Mississippi 10 June-20 Jan. 1863
 Battle of Corinth, Miss. 3-4 Oct.
 - 5 North Carolina, southeastern Virginia 20 Aug. 1862-3 June 1863
 - 6 Northern Virginia, West Virginia, Maryland, Pennsylvania
 3 Sep.-14 Nov.
 Battle of South Mountain, Md. 14 Sep.
 Battle of Antietam, or Sharpsburg, Md. 16-17 Sep.
 - 7 Kentucky, middle and east Tennessee, north Alabama, southwest
 Virginia 1 Nov.-20 Jan. 1863
 Battle of Stone river, or Murfreesboro, Tenn. 31 Dec. 1862-
 3 Jan. 1863
 - 8 Northern Virginia, West Virginia, Maryland, Pennsylvania
 15 Nov.-25 Jan. 1863
 - 9 Battle of Fredericksburg, Va. 11-15 Dec.
- .734 Campaign of 1863
- 1 Missouri, Arkansas, Kansas, Indian Territory, Dep't of Northwest
 20 Nov. 1862-31 Dec. 1863
 - 2 Kentucky, middle and east Tennessee, north Alabama, southwest
 Virginia 21 Jan.-10 Aug.
 Middle Tennessee, or Tullahoma campaign 23 June-7 July
 Morgan's Ohio raid 2-26 July
 - 3 Mississippi, west Tennessee 20 Jan.-10 Aug.
 - 4 Siege of Vicksburg, Miss. 19 May-4 July
 - 5 Northern Virginia, West Virginia, Maryland, Pennsylvania
 26 Jan.-3 June
 Chancellorsville, Va. campaign 27 Ap.-6 May
 - 7 West Florida, southern Alabama, southern Mississippi, Louisiana,
 Texas, New Mexico 14 May-31 Dec.
 Siege of Port Hudson, La. 21 May-8 July
 - 8 North Carolina, Virginia, West Virginia, Maryland, Pennsylvania
 Dep't of East 3 June-3 Aug.
 - 9 Battle of Gettysburg, Pa. 1-3 July

DECIMAL CLASSIFICATION

- 973-735 Campaign of 1863 *concluded*
- 1 South Carolina, Georgia, middle and east Florida 12 June-31 Dec
Operations on Morris island, S. C. 10 July-7 Sep.
Occupation of Battery Wagner, S. C. 6-7 Sep.
Bombardment of Fort Sumter, S. C. 17 Aug.-31 Dec.
Bombardment of Charleston, S. C. 21 Aug.-31 Dec.
 - 3 North Carolina, Virginia, West Virginia, Maryland, Pennsylvania
4 Aug.-31 Dec.
Bristoe, Va. campaign 9-22 Oct.
Mine Run, Va. campaign 26 Nov.-2 Dec.
 - 4 Kentucky, southwest Virginia, Tennessee, Mississippi, north Ala-
bama, north Georgia 11 Aug.-19 Oct.
 - 5 Chickamauga, Ga. campaign 16 Aug.-22 Sep.
Battle of Chickamauga, Ga. 19-20 Sep.
 - 6 East Tennessee campaign 16 Aug.-19 Oct.
 - 7 Kentucky, southwest Virginia, Tennessee, Mississippi, north Ala-
bama, north Georgia 20 Oct.-31 Dec.
 - 8 Knoxville, Tenn. campaign 4 Nov.-23 Dec.
Siege of Knoxville, Tenn. 17 Nov.-4 Dec.
 - 9 Chattanooga-Ringgold campaign 23-27 Nov.
Battle of Lookout mountain, Tenn. 24 Nov.
Battle of Missionary ridge, Tenn. 25 Nov.
- .736 Campaign of 1864
- 1 Kentucky, southwest Virginia, Tennessee, Mississippi, Alabama
north Georgia 1 Jan.-30 Ap.
Meridian, Miss. expedition 3 Feb.-6 Mar.
Forrest's expedition into west Tennessee and Kentucky
16 Mar.-14 Ap.
Capture of Fort Pillow, Tenn. 12 Ap.
 - 2 N. Carolina, Virginia, W. Va. Maryland, Pennsylvania
1 Jan.-30 Ap.
Expedition against New Berne, N. C. 28 Jan.-10 Feb.
Engagement at Morton's Ford, Va. 6-7 Feb.
Kilpatrick's expedition against Richmond, Va. 28 Feb.-4 Mar.
 - 3 Louisiana, trans-Mississippi 1 Jan.-30 June
Red river, La. campaign 10 Mar.-22 May
Camden, Ark. expedition 23 Mar.-3 May
 - 4 South Carolina, Florida, Georgia coast 1 Jan.-13 Nov.
Charleston, S. C. harbor and vicinity
Florida expedition 5-22 Feb.
Engagement at Olustee or Ocean Pond, Fla. 20 Feb.
 - 5 Southeastern Virginia, North Carolina 1 May-12 June
Engagement at Proctor's Creek and Drewry's Bluff or Fort
Darling, Va. 12-16 May
Operations on the Bermuda Hundred, Va. front 17 May-2 June
Engagement at Petersburg, Va. 9 June
 - 6 Battle of the Wilderness, Va. 5-7 May
 - 7 Operations about Spottsylvania Court-House, Va. 8-21 May
 - 8 Operations at and about Cold Harbor, Va. 31 May-12 June
 - 9 Northern Virginia, West Virginia, Maryland, Pennsylvania
1 May-3 Aug.
Engagement at New Market, Va. 15 May
Lynchburg, Va. campaign 26 May-29 June
Battle of the Monocacy, Md. 9 July
Action near Fort Stevens, D. C. 12 July

HISTORY: UNITED STATES

- 973-737 Campaign of 1864 *concluded*
- 1 Northern Georgia 1 May-8 Sep.
Atlanta, Ga. campaign
Battle of Atlanta, Ga. 22 July
 - 2 Kentucky, southwest Virginia, Tennessee, Mississippi, Alabama
north Georgia 1 May-13 Nov.
Engagement at Harrisburg, near Tupelo, Miss. 14-15 July
Operations in Mobile bay, Ala. 2-23 Aug. See 973.754
Engagement at Allatoona, Ga. 5 Oct.
 - 3 Southeastern Virginia, North Carolina 13 June-31 July
Richmond, Va. campaign
Assaults on the Petersburg lines 15-18 June
Explosion of the mine and assault on the crater 30 July
 - 4 Louisiana, trans-Mississippi 1 July-31 Dec.
Price's Missouri expedition 29 Aug.-2 Dec.
 - 5 Southeastern Virginia, North Carolina 1 Aug.-31 Dec.
Richmond, Va. campaign
Expedition to Fort Fisher, N. C. 7-27 Dec.
 - 6 Northern Virginia, West Virginia, Maryland, Pennsylvania
4 Aug.-31 Dec.
 - 7 Shenandoah valley campaign, Va. 7 Aug.-28 Nov.
Battle of Winchester, or the Opequon, Va. 19 Sep.
Battle of Cedar creek, Va. 19 Oct.
 - 8 South Carolina, Georgia, Florida 14 Nov.-31 Dec.
Savannah, Ga. campaign, or Sherman's march to the sea
15 Nov.-21 Dec.
 - 9 Kentucky, southwest Virginia, Tennessee, Mississippi, Alabama,
north Georgia 14 Nov.-23 Jan. 1865
Battle of Franklin, Tenn. 30 Nov.
Battle of Nashville, Tenn. 15-16 Dec.
- .738 Campaign of 1865
- 1 Northern and southeastern Virginia, North Carolina, West Virginia,
Maryland, Pennsylvania 1 Jan.-30 June
 - 2 Richmond, Va. campaign 1 Jan.-3 Ap.
 - 3 Expedition to and capture of Fort Fisher, N. C. 3-17 Jan.
 - 4 Appomattox, Va. campaign 29 Mar.-9 Ap.
Battle of Five Forks, Va. 1 Ap.
Surrender of Gen. Lee 9 Ap.
 - 5 North Carolina, South Carolina, southern Georgia, east Florida
1 Jan.-30 June
Campaign of the Carolinas 1 Jan.-26 Ap.
 - 6 Louisiana, trans-Mississippi 1 Jan.-30 June
 - 7 Kentucky, southwestern Virginia, Tennessee, northern and central
Georgia, Mississippi, Alabama, west Florida 1 Jan.-30 June
Wilson's raid from Chickasaw to Selma, Ala. and Macon, Ga.
22 Mar.-24 Ap.
 - 8 Mobile, Ala. campaign 17 Mar.-4 May
 - 9 Pacific coast 1 Jan. 1861-30 June 1865

DECIMAL CLASSIFICATION

973-74 General military history

- .741 Northern side**
 - 1 Regular army**
 - 2 Volunteers, quotas**
 - 3 Bounties**
 - 4 Drafts**
 - 5 Negro troops**
 - 6 Special armies or corps**
 - Army of the Cumberland
 - Army of the Potomac
 - 2d army corps
 - 19th army corps etc.
 - 7 Special branches or services**
 - Cavalry
 - Artillery
 - Engineers
 - Signal servis
 - Guerrillas
 - Commissariat
 - 8 General orders**
 - 9 Regimental losses**

.742 Southern side

Guerrillas

.743 Foren elements

Divided like 940

.744-.749 Separate states and regimental histories

Divided like 974-979; 973.7444, Massachusetts; 973.7447, New York. Under each state arrange books by the following book numbers

A for official publications

A 1 Adjutant-general's reports

A 2 Lists of soldiers

B-D, General works on the part taken by the state in the conflict

B whole state, C county, D town

E Histories of cavalry regiments

F Hevy artillery

G Light artillery

J-L Infantry

J regiments 1-99

K regiments 100-199

L regiments 200-299

The individual regiment is markt by adding its number after the letter; E15, 15th regiment of cavalry; K49, 149th regiment of infantry. When there are more than 9 regiments in any of these groups o must be prefix to the number for the 1st 9, e. g. J09, 9th regiment of infantry; otherwise the 9th regiment of infantry, J9, would be shelvd after the 89th, J89

For the border states which also had regiments on the Confederate side use similarly P-S

O Special brigades

P Cavalry

Q Hevy artillery

R Light artillery

S Infantry

For those states which past ordinances of secession (see list under 973.713) reverse these numbers using E-L for Confederate regiments and P-S for Union regiments

Special numbers must be arranged for unnumberd and peculiarly numberd regiments and companies

HISTORY: UNITED STATES

- 973-75 Naval history**
 During the civil war the navy was mainly used as an auxiliary to the army and nearly all naval actions are also described in connection with special campaigns and battles 973.73 and its subdivisions
- .751 Events of 1861**
 Hatteras inlet, N. C. 28 Aug. See also 973.7316
 Port Royal, S. C. 7 Nov. See also 973.7319
 Belmont, Mo. 7 Nov. See also 973.7315
 Trent affair 8 Nov. See also 973.722
- .752 Events of 1862**
 Fort Henry, Tenn. 6 Feb. See also 973.7322
 Roanoke island, N. C. 7-8 Feb. See also 973.7324
 Fort Donelson, Tenn. 14 Feb. See also 973.7322
 Monitor and Merrimac 8-9 Mar.
 Island nr 10, Ky. 16 Mar.-8 Ap. See also 973.7325
 New Orleans, La. 18 Ap.-1 May See also 973.7321
 Memphis, Tenn. 6 June See also 973.7325
- .753 Events of 1863**
 Charleston, S. C. 7 Ap. See also 973.7331
 Vicksburg, Miss. 16 Ap. See also 973.7343
 Grand Gulf, Miss. 29 Ap. See also 973.7343
- .754 Events of 1864**
 Red river, La. expedition 10 Mar.-22 May See also 973.7363
 Sassacus and Albemarle, Albemarle sound, N. C. 5 May
 See also 973.7365
 Alabama and Kearsarge, off Cherbourg, France 19 June
 Mobile bay, Ala. 5-22 Aug. See also 973.7372
 Fort Fisher, N. C. 24 Dec. See also 973.7375
- .755 Events of 1865**
 Fort Fisher, N. C. 14-15 Jan. See also 973.7383
- .756 History of special squadrons or ships**
 Atlantic squadron
 Gulf squadron
- .757 Confederate navy**
 Including the history of special squadrons or ships
 Alabama
 Shenandoah
 Florida
- .758 Blockade and blockade running**
- .759 Privateers**
- .76 War meetings, celebrations, anniversaries, commemorations**
 See note under 973.36
 For patriotic societies commemorating the civil war see 369.15-.17
- .761 War meetings**
- .762**
- .763 Flags; presentations of flags; Battle-flag day**
- .764**
- .765 Monuments, memorials See also 718**
- .766**
- .767 Roll of honor List of ded For national cemeteries, see 719**
- .768 Memorial day**

DECIMAL CLASSIFICATION

- 973.77 Prisons, hospitals, charities, etc.
- .771 Southern prisons, prison life
 - 1 Andersonville
 - 2 Libby prison
 - .772 Northern prisons
 - .773 Exchange of prisoners, paroles
 - .774
 - .775 Medical dep't, surgeons, nurses For military surgery see 617.99
 - .776 Hospitals, hospital sketches
 - .777 Charities
 - Soldiers homes, see 362.8
 - Soldiers orphan asylums, see 362.7
 - Freedmen's bureau, see 361
 - Pensions, see 351.5
 - 1 U. S. sanitary commission
 - 2 Sanitary fairs
 - .778 Religious life, chaplains, revivals
 - 1 U. S. Christian commission See also 267.11
 - .78 Personal narratives, vindication, secret servis
 - Personal narratives when relating to some special battle or event should be class according to their subject
 - .781 Personal narratives, northern side
 - Including volumes of G. A. R. papers and Loyal legion
 - .782 Personal narratives, southern side
 - .783 Army life
 - .784 Southern army life, southern home life
 - .785 Secret servis, spies
 - .786 Southern side
 - .79 Illustrativ material
 - See note under 973.39
 - .791 Poetry
 - .792 Drama
 - .793 Fiction
 - .794 Addresses
 - .795 Sermons
 - .796 Humor
 - .797 Pictures
 - Paintings, drawings, caricatures, engravings, fotografs, sculpture
 - .798 Music
 - .799 Maps
 - .8 Later 19th century 1865-1901
 - Period of reconstruction and civil servis reform
 - .81 Andrew Johnson 15 Ap. 1865-4 Mar. 1869
 - Born 29 Dec. 1808; died 31 July 1875
 - 13th amendment abolishing slavery, adopted 18 Dec. 1865
 - See also 326.8 and 342.739
 - Penian invasion of Canada 31 May-2 June 1866 See also 971.048
 - Nebraska admitted, 37th state 1 Mar. 1867 See 978.2
 - Cession of Alaska by Russia 20 June 1867
 - Impeachment of Pres. Johnson Mar.-May 1868 See 351.99
 - 14th amendment guaranteeing citizenship, adopted 28 July 1868
 - See 342.739

HISTORY : UNITED STATES

- 973.82 **Ulysses Simpson Grant** 4 Mar. 1869-4 Mar. 1877
 Born 27 Ap. 1822; died 23 July 1885
 Treaty for annexation of Santo Domingo, signd 29 Nov. 1869;
 rejected by senate 30 June 1870 See also 972.93
 15th amendment guaranteeing suffrage, adopted 30 Mar. 1870
 See 324.1 and 342.739
 First provision for civil servis reform 3 Mar. 1871 See also 351.6
 Geneva arbitration award 14 Sep. 1872 See 341.6; 973.722; 973.757
 Northwestern or San Juan boundary decision, Emperor William
 I of Germany, arbitrator 23 Oct. 1872
 Crédit mobilier investigation Dec. 1872-Feb. 1873
 Coinage act 12 Feb. 1873 See 332.47
 Modoc war, California Nov. 1872-June 1873
 Financial panic 19-30 Sep. 1873 See 332
 Virginius incident Oct.-Dec. 1873
 Whisky ring 1872-75 See 336.73
 Civil rights act 1 Mar. 1875
 Colorado admitted, 38th state 1 Aug. 1876 See 978.8
 Centennial exposition, Philadelphia 10 May-10 Nov. 1876 See 606
 Electoral commission Feb. 1877
- .83 **Rutherford Birchard Hayes** 4 Mar. 1877-4 Mar. 1881
 Born 4 Oct. 1822; died 17 Jan. 1893
 Halifax fishery award 23 Nov. 1877
 Bland silver act 28 Feb. 1878 See 332.47
 Resumption of specie payment 1 Jan. 1879 See 332.5 and 336.73
- .84 **James Abram Garfield** 4 Mar. 1881-19 Sep. 1881
 Born 19 Nov. 1831; died 19 Sep. 1881
- Chester Alan Arthur** 19 Sep. 1881-4 Mar. 1885
 Born 5 Oct. 1830; died 18 Nov. 1886
 International cotton exposition 5 Oct.-31 Dec. 1881 See 605
 Edmund act to suppress poligamy 22 Mar. 1882 See also 298
 Pendleton civil servis reform act 11 Jan. 1883 See 351.6
- .85 **Grover Cleveland** 4 Mar. 1885-4 Mar. 1889
 Born 18 Mar. 1837; died 24 June 1908
 Act regulating the presidential succession 19 Jan. 1886 See 353.03
 Mexican war pension act 29 Jan. 1887 See 351.5
 Act creating Interstate commerce commission 4 Feb. 1887 See 385
 Dependent pension bil vetoed 11 Feb. 1887 See 351.5
 Centennial anniversary of Constitution, Philadelphia, Pa.
 15-17 Sep. 1887
 Act to establish the Labor dep't 13 June 1888 See 331
 Fisheries treaty, signd 15 Feb. 1888; rejected by senate 21 Aug.
 1888
 See 333.9 and 341.273
 Act to make Agriculture dep't an executiv dep't 9 Feb. 1889
 See also 630.61 and 353.8

DECIMAL CLASSIFICATION

- 973.86 **Benjamin Harrison** 4 Mar. 1889-4 Mar. 1893
 Born 20 Aug. 1833; died 13 Mar. 1901
 Opening of Oklahoma 2 Ap. 1889 See 976.6
 North Dakota admitted, 39th state 2 Nov. 1889 See 978.4
 South Dakota admitted, 40th state 2 Nov. 1889 See 978.3
 Montana admitted, 41st state 8 Nov. 1889 See 978.6
 Washington admitted, 42d state 11 Nov. 1889 See 979.7
 International Amer. conference 2 Oct. 1889-19 Ap. 1890 See 341.1
 Idaho admitted, 43d state 3 July 1890 See 979.6
 Wyoming admitted, 44th state 10 July 1890 See 978.7
 Sherman silver act, repealing silver act of 1878 14 July 1890
 See 332.47
 McKinley tarif act 1 Oct. 1890 See 337.3
 Controversy with Chile Oct. 1891-July 1892 See 983
 Geary Chinese exclusion act 5 May 1892 See 325.251
 Bering sea arbitration treaty 23 Aug. 1892
 Hawaiian annexation treaty sent to senate, 15 Feb. 1893; with-
 drawn, 9 Mar. 1893 See 996.9
- .87 **Grover Cleveland, second term** 4 Mar. 1893-4 Mar. 1897
 World's Columbian exposition, Chicago 1 May-30 Oct. 1893
 See 606
 Decision of Bering sea court of arbitration 15 Aug. 1893
 Voorhees silver act 1 Nov. 1893 See 332.47
 Wilson tarif act 27 Aug. 1894 See 337.2
 Income tax law decided unconstitutional by U. S. supreme court
 8 Ap. 1895 See 336.24
 U. S. commission on boundary between Venezuela and British
 Guiana appointed 1 Jan. 1896 See 987
 Utah admitted, 45th state 4 Jan. 1896 See 979.2
- .88 **William McKinley** 4 Mar. 1897-14 Sep. 1901
 Born 29 Jan. 1844; died 14 Sep. 1901
 Dingley tarif act 24 July 1897
 Annexation of Hawaii 7 July 1898
- .89 **War with Spain**
 War declared 21 Ap. 1898
 Protocol signd 12 Aug. 1898
 Treaty of peace signd at Paris, 10 Dec. 1898; ratified, 11 Apr. 1899
- .891 **Political history; causes, results**
 Spanish misrule in Cuba
 Destruction of battleship Maine 15 Feb. 1898
 Acquisition of Philippines and Porto Rico
- .892 **Diplomatic history**
- .893 **Special campains and battles**
 Siege of Santiago 22 June-17 July 1898
 Battle of El Caney 1 July 1898
- .894 **General military history** May be subdivided like 973.74
- .895 **Naval history**
 Battle of Manila 1 May 1898
 Sinking of the Merrimac 3 June 1898
 Destruction of Cervera's squadron 3 July 1898
- .896 **War meetings, celebrations, anniversaries**
 See note under 973.36
 For patriotic societies commemorating the war with Spain see 369.181-.183
- .897 **Prisons, hospitals, etc.**
- .898 **Personal narrativs**
- .899 **Illustrativ materials**
 See note under 373.39

HISTORY: UNITED STATES

973.91	Early 20th century	1901-
.911	Theodore Roosevelt Born 27 Oct. 1858; died 6 Jan. 1919	14 Sep. 1901-4 Mar. 1909
.912	William Howard Taft Born 15 Sep. 1857	4 Mar. 1909-4 Mar. 1913
.913	Woodrow Wilson Born 28 Dec. 1856 The great war, begun with Austria's declaration of war against Serbia, 28 July 1914, was formally entered by the United States with a declaration of war against Germany, 6 Ap. 1917; armistice signed by the Germans 11 Nov. 1918; treaty of Versailles signed by treaty plenipotentiaries of Germany and the Allied Powers 28 June 1919; treaties with Germany, Austria and Hungary ratified by United States senate 18 Oct. 1921.	4 Mar. 1913-4 Mar. 1921
.914	Warren Gamaliel Harding Born 2 Nov. 1865	4 Mar. 1921-

DECIMAL CLASSIFICATION

974 **Northeastern or North Atlantic New England**

.1 Maine

Admitted 15 Mar. 1820, as 23d state
 Area 33,040 sq. mi. 16 counties Population 768,014 in 1920
 Sobriquets: Pinetree state, Polar Star state Capital: Augusta

Population in 1920

.11	Aroostook	81 728
.12	Somerset	37 171
	Piscataquis	20 554
.13	Penobscot	87 684
.14	Washington	41 709
	Hancock	30 361
.15	Waldo	21 328
	Knox	26 245
	Lincoln	15 976
.16	Kennebec	63 844
.17	Franklin	19 825
	Oxford	37 700
.18	Androscoggin	65 796
	Sagadahoc	23 021
.19	Cumberland	124 376
	<i>Portland</i>	
	York	70 696

69 272

.2 New Hampshire

Area 9341 sq. mi. 10 counties Population 443,083 in 1920
 Sobriquet: Granit state Capital: Concord

Population in 1920

.21	Coos	36 093
.22	<i>White mts</i>	
.23	Grafton	40 572
.24	Carroll	15 017
	Belknap	21 178
.25	Strafford	38 546
.26	Rockingham	52 498
.27	Merrimac	51 770
	Sullivan	20 922
.28	Hillsboro	135 512
.29	Cheshire	30 975

.3 Vermont

Area 9564 sq. mi. 14 counties Population 352,428 in 1920
 Sobriquet: Green Mt state Capital: Montpelier

Population in 1920

.31	Grand Isle	3 784
	Franklin	30 026
	Chittenden	43 708
.32	Orleans	23 913
	Essex	7 364
.33	Caledonia	25 762
	Lamoille	11 858
.34	Washington	38 921
.35	Addison	18 666
.36	Orange	17 279
	Windsor	36 984
.37	Rutland	46 213
.38	Bennington	21 577
.39	Windham	26 373

HISTORY: UNITED STATES

974.4

Massachusetts

Area 8266 sq. mi. 14 counties
 Population 3,852,356 in 1920
 Soubriquet: Bay state Capital: Boston

Population in 1920

.41	Berkshire	113 033	
.42	Franklin	49 361	
	Hampshire	69 599	
	Hampden	300 305	
.43	Worcester	455 135	
.44	Middlesex	778 352	
.45	Essex	482 156	
.46	Suffolk	835 522	
	<i>Boston</i>		748 060
.47	Norfolk	219 081	
.48	Plymouth	156 968	
	Bristol	359 005	
.49	Barnstable	26 670	
	Dukes	4 372	
	Nantucket	2 797	

.5 Rhode Island

Area 1248 sq. mi. 5 counties
 Population 604,397 in 1920
 Soubriquet: Little Rhody Capital: Providence

Population in 1920

.51	Providence	475 190	
.52	<i>Providence (city)</i>		237 595
.53	<i>Pawtucket</i>		64 248
.54	Kent	38 269	
.55	Bristol	23 113	
.56	Newport	42 893	
.57	<i>Newport (city)</i>		30 255
.58	<i>Block Island</i>		
.59	Washington	24 932	

.6 Connecticut

Area 4965 sq. mi. 8 counties
 Population 1,380,631 in 1920
 Soubriquet: Wooden Nutmeg state Capital: Hartford

Population in 1920

.61	Litchfield	76 262	
.62	Hartford	336 027	
.63	<i>Hartford (city)</i>		138 036
.64	Tolland	27 216	
	Windham	52 815	
.65	New London	104 611	
.66	Middlesex	47 550	
.67	New Haven	415 214	
.68	<i>New Haven (city)</i>		162 537
.69	Fairfield	320 936	

DECIMAL CLASSIFICATION

974.7

New York

Area 49,204 sq. mi. 61 counties (exclusiv of Bronx)
 Population 10,385,227 in 1920
 Sobriquet: Empire state Capital: Albany

Population in 1920

.71	<i>New York</i> (city)	5 620 048	
.72	Vicinity of New York city		
.721	Long Island		2 723 764
.722	Kings county	2 018 356	
.723	<i>Brooklyn</i>		2 018 356
.724	Queens county	469 042	
5	Nassau "	126 120	
.725	Suffolk "	110 246	
.726	Richmond " Staten Island	116 531	
.727	Westchester "	344 436	
5	<i>Bronx boro</i> (and county)	732 016	
.728	Rockland county	145 548	
.73	Southeast counties		
.731	Orange, <i>West Point</i>	119 844	
.732	Putnam	10 802	
.733	Dutchess	91 747	
.734	Ulster	74 979	
.735	Sullivan	33 163	
.736	Delaware	42 774	
.737	Green	25 796	
.738	<i>Catskill mts</i>		
.739	Columbia	38 930	
.74	Middle east counties		
.741	Rensselaer	113 129	
	<i>Troy</i>		72 013
.742	Albany	186 106	
.743	<i>Albany</i> (city)		113 344
.744	Schenectady	109 363	
.745	Schoharie	21 303	
.746	Montgomery	57 928	
.747	Fulton	44 927	
.748	Saratoga	60 029	
.749	Washington	44 888	
.75	Northern counties		
.751	Warren	31 673	
	<i>Lake George</i>		
.752	Hamilton	3 970	
.753	Essex	31 871	
	<i>Adirondaks</i>		
.754	Clinton	43 898	
	<i>Lake Champlain</i>		
.755	Franklin	43 541	
.756	St Lawrence	88 121	
.757	Jefferson	82 250	
.758	<i>Thousand Islands</i>		
.759	Lewis	23 704	

HISTORY: UNITED STATES

New York

		<i>Population in 1920</i>	
974.76	North central counties		
.761	Herkimer	64	962
.762	Oneida	182	833
.763	<i>Utica</i>		94 156
.764	Madison	39	535
.765	Onondaga	241	465
.766	<i>Syracuse</i>		171 717
.767	Oswego	71	045
.768	Cayuga	65	221
.769	Seneca	24	735
.77	South central counties		
.771	Tompkins	35	285
.772	Cortland	29	625
.773	Chenango	34	969
.774	Otsego	46	200
.775	Broome	113	610
.776	<i>Binghamton</i>		66 800
.777	Tioga	24	212
.778	Chemung	65	872
.779	<i>Elmira</i>		45 393
.78	West central counties		
.781	Schuyler	13	098
.782	Yates	16	641
.783	Steuben	80	627
.784	Alleghany	36	842
.785	Livingston	36	830
.786	Ontario	52	652
.787	Wayne	48	827
.788	Monroe	352	034
.789	<i>Rochester</i>		295 750
.79	Western counties		
.791	Orleans	28	619
.792	Genesee	37	976
.793	Wyoming	30	314
.794	Cattaraugus	71	323
.795	Chautauqua	115	348
.796	Erie	634	688
.797	<i>Buffalo</i>		506 775
.798	Niagara	118	705
.799	<i>Niagara Falls</i>		50 760

DECIMAL CLASSIFICATION

974.8

Pennsylvania

In territory claimed in 17th century by Sweden and then called New Sweden or New Swedeland

Area 45,126 sq. mi. 67 counties

Population 8,720,017 in 1920

Sobriquet: Keystone state Capital: Harrisburg

.81	Southeast counties	Philadelphia and Chester group	
			<i>Population in 1920</i>
.811	Philadelphia (co. and city)	1 823 779	
.812	Montgomery	199 310	
.813	Chester	115 120	
.814	Delaware	173 084	
.815	Lancaster	173 797	
.816	Berks	200 854	
.817	Schuylkill	217 754	
.818	Dauphin	153 116	
.819	Lebanon	63 152	
.82	Eastern counties	Bucks group	
.821	Bucks	82 476	
.822	Northampton	153 506	
.823	Wayne	27 435	
.824	Pike	6 818	
.825	Monroe	24 295	
.826	Carbon	62 565	
.827	Lehigh	148 101	
.83	Northeast counties	Northumberland group	
.831	Northumberland	122 079	
.832	Luzerne	390 991	
.833	<i>Wilkesbarre</i>		73 833
.834	Susquehanna	34 763	
.835	Wyoming	14 101	
.836	Lackawanna	286 311	
.837	<i>Scranton</i>		137 783
.838	Columbia	48 349	
.839	Montour	14 080	
.84	Southeast central counties	Cumberland group	
.841	York	144 521	
.842	Adams	34 583	
.843	Cumberland	58 578	
.844	Franklin	62 275	
.845	Perry	22 875	
.846	Mifflin	31 439	
.847	Juniata	14 464	
.848	Union	15 850	
.849	Snyder	17 129	
.85	Northeast central counties	East Lycoming group	
.851	Lycoming	83 100	
.852			
.853	Center	44 304	
.854	Clinton	33 555	
.855	Potter	21 089	
.856	Tioga	37 118	
.857	Bradford	53 166	
.858			
.859	Sullivan	9 520	

HISTORY: UNITED STATES

Pennsylvania

974.86	Northwest central counties	West Lycoming group	
		<i>Population in 1920</i>	
.861	Clearfield	103 236	
.862	Jefferson	62 104	
.863	McKean	48 934	
.864			
.865	Elk	34 981	
.866	Cameron	6 297	
.867	Warren	40 024	
.868	Forest	7 477	
.869	Clarion	36 170	
.87	Southwest central counties	Bedford group	
.871	Bedford	38 277	
.872	Fulton	9 617	
.873	Huntington	39 848	
.874			
.875	Blair	128 334	
.876	<i>Altoona</i>		60 331
.877	Cambria	197 839	
.878			
.879	Somerset	82 112	
.88	Southwest counties	Westmoreland group	
.881	Westmoreland	273 568	
.882	Washington	188 992	
.883	Greene	30 804	
.884	Payette	188 104	
.885	Allegheny	1 185 808	
.886	<i>Pittsburg</i>		588 343
.887	<i>Allegheny City</i>		
	Annex to Pittsburg in 1907		
.888	Armstrong	75 568	
.889	Indiana	80 910	
.89	Northwest counties	Allegheny group	
.891	Butler	77 270	
.892	Beaver	111 621	
.893	Lawrence	85 545	
.894			
.895	Merger	93 788	
.896	Venango	59 184	
.897	Crawford	60 667	
.898			
.899	Erie	153 536	

.9

New Jersey

Area 8224 sq. mi. 21 counties

Population 3,155,000 in 1920

Sobriquet: Jersey Blue state

Capital: Trenton

.91	<u>East Jersey</u>	<i>Population in 1920</i>	
.92	Northern counties		
.921	Bergen	210 703	
.922			
.923	Passaic	259 174	
.924	<i>Paterson</i>		135 875
.925			
.926	Hudson	629 154	
.927	<i>Jersey City</i>		208 103
.928	<i>Hoboken</i>		68 166

DECIMAL CLASSIFICATION

New Jersey

974.93

Central counties

Population in 1920

.931	Essex	652 089	
.932	<i>Newark</i>		<i>414 524</i>
.933	<i>Orange</i>		<i>33 268</i>
.934			
.935			
.936	Union	200 157	
.937	<i>Elizabeth</i>		<i>95 783</i>
.938	<i>Rahway</i>		<i>11 042</i>
.94	Southern counties		
.941	Middlesex	162 334	
.942	<i>New Brunswick</i>		<i>32 779</i>
.943			
.944	Somerset	47 991	
.945			
.946	Monmouth	104 925	
.947			
.948	Ocean	22 155	
.95	<u>West Jersey</u>		
.96	Central counties		
.961	Burlington	81 770	
.962			
.963			
.964			
.965	Mercer	159 881	
.966	<i>Trenton</i>		<i>119 289</i>
.967	<i>Princeton</i>		<i>5 917</i>
.97	Northern counties		
.971	Hunterdon	32 885	
.972	<i>Raritan</i>		<i>4 457</i>
.973			
.974	Morris	82 694	
.975			
.976	Sussex	24 905	
.977			
.978	Warren	45 057	
.98	Upper southern counties		
.981	Gloucester	48 224	
.982			
.983			
.984	Atlantic	83 914	
.985			
.986			
.987	Camden	190 508	
.988	<i>Camden (city)</i>		<i>116 309</i>
.99	Lower southern counties		
.991	Salem	36 572	
.992	<i>Salem City</i>		<i>7 435</i>
.993			
.994	Cumberland	61 348	
.995	<i>Bridgeton</i>		<i>14 323</i>
.996			
.997			
.998	Cape May	19 460	

975 Southeastern or South Atlantic

Including general works on the South

.1 Delaware

Area 1965 sq. mi.
 Population 223,003 in 1920 3 counties
 Sobriquets: Blue Hen state, Diamond state Capital: Dover
Population in 1920

.11	Newcastle	148 239	
.12	<i>Wilmington</i>		110 168
.14	Kent	31 023	
.17	Sussex	43 741	

.2 Maryland

Area 12,327 sq. mi.
 Population 1,449,661 in 1920 23 counties and Baltimore city
 Sobriquet: Old Line state Capital: Annapolis

.21 Eastern Maryland

.221	Worcester	22 309	
.223	Somerset	24 602	
.225	Wicomico	28 165	
.227	Dorchester	27 895	
.231	Caroline	18 652	
.232	Talbot	18 306	
.234	Queen Annes	16 001	
.236	Kent	15 026	
.238	Cecil	23 612	

.24 Southern Maryland

.241	St Marys	16 112	
.244	Calvert	9 744	
.247	Charles	17 705	
.251	Prince Georges	43 347	
.255	Anne Arundel	43 408	
.256	<i>Annapolis</i>		11 214
.26	<i>Baltimore (city)</i>	733 826	

.27 North central

.271	Baltimore	74 817	
.274	Harford	29 291	
.277	Carroll	34 245	
.281	Howard	15 826	
.284	Montgomery	34 921	
.287	Frederick	52 541	
.288	<i>Frederick (city)</i>		11 066

.29 Western

.291	Washington	59 694	
.292	<i>Hagerstown</i>		28 064
.294	Allegany	69 938	
.295	<i>Cumberland</i>		29 837
.297	Garrett	19 678	

.3 District of Columbia, Washington (city)

Area 70 sq. mi.
 Population (Washington) 437,571 in 1920

DECIMAL CLASSIFICATION

975.4 West Virginia

19 June 1863 admitted as 35th state Area 24,780 sq. mi.
 Population 1,463,701 in 1920 55 counties
 Soubriquet: Panhandle state Capital: Charleston

OUTLINE

.41	Ohio valley		
.411	Northern Panhandle		
.42	Little Kanawha valley		
.43	Kanawha valley		
.44	Southwestern border counties		
.441	Guyandotte valley		
.446	Tug valley		
.45	Central plateau		
.451	Monongahela valley		
.46	Central counties		
.464	Elk valley		
.468	Gauley valley		
.47	New River valley		
.48	Alleghany crest	Mountain counties	
.481	Cheat valley		
.486	Greenbrier valley		
.49	Eastern Panhandle	Potomac valley	
.41	Ohio valley		
.411	Northern Panhandle		
		<i>Population in 1920</i>	
.412	Hancock	19 975	
.413	Brooke	16 527	
.414	Ohio	62 892	
.415	Wheeling		56 208
.416	Marshall	33 681	
.417			
.418	Wetzel	23 069	
.419	Tyler	14 186	
.42	Little Kanawha valley		
.421	Pleasants	7 379	
.422	Wood	42 306	
.423	Parkersburg		20 050
.424	Ritchie	16 506	
.425			
.426	Wirt	7 536	
.427	Gilmer	10 668	
.428			
.429	Calhoun	10 268	
.43	Kanawha valley		
.431	Jackson	18 658	
.432			
.433	Mason	21 459	
.434			
.435	Putnam	17 531	
.436	Roane	20 129	
.437	Kanawha	119 650	
.438	Charleston		39 608
.439	Boone	15 319	

HISTORY: UNITED STATES

West Virginia: Ohio valley

975.44	Southwestern border counties		
.441	Guyandotte valley	<i>Population in 1920</i>	
.442	Cabell	65 746	
.442 I	<i>Huntington</i>		50 177
.443	Lincoln	19 378	
.444	Logan	41 006	
.445	Wyoming	15 180	
.446	Tug valley		
.447	Wayne	26 012	
.448	Mingo	26 364	
.449	McDowell	68 571	
.45	Central plateau		
.451	Monongahela valley		
.452	Monongalia	33 618	
.453	<i>Morgantown</i>		12 127
.454	Marion	54 571	
.455	Taylor	18 742	
.456	Doddridge	11 976	
.457	Harrison	74 793	
.458	<i>Clarksburg</i>		27 869
.459	Barbour	18 028	
.46	Central counties		
.461	Lewis	20 455	
.462	Upshur	17 851	
.464	Elk valley		
.465	Webster	11 562	
.466	Braxton	23 973	
.467	Clay	11 486	
.468	Gauley valley		
.469	Nicholas	20 717	
.47	New River valley		
.471	Fayette	60 377	
.473	Raleigh	42 482	
.474	Mercer	49 558	
.476	Summers	19 092	
.478	Monroe	13 141	
.48	Alleghany crest	Mountain counties	
.481	Cheat valley		
.482	Preston	27 996	
.483	Tucker	16 791	
.484			
.485	Randolph	26 804	
.486	Greenbrier valley		
.487	Pocahontas	15 002	
.488	Greenbrier	26 242	
.489	<i>White Sulphur Springs</i>		837

DECIMAL CLASSIFICATION

West Virginia

975.49	Eastern Panhandle	Potomac valley
		<i>Population in 1920</i>
.491	Pendleton	9 652
.492	Grant	8 993
.493	Hardy	9 601
.494	Mineral	19 849
.495	Hampshire	11 713
.496	Morgan	8 357
.497	Berkeley	24 554
.498		
.499	Jefferson	15 729

.5 Virginia

17 Ap. 1861 seceded; 26 Jan. 1870 readmitted Area 40,262 sq. mi.
 Population 2,309,187 in 1920 100 counties
 Sobriquets: Old Dominion, Mother of Presidents Capital: Richmond

.6 North Carolina

20 May 1861 seceded; 25 June 1868 readmitted Area 48,740 sq. mi.
 Population 2,559,123 in 1920 100 counties
 Sobriquet: Old North state Capital: Raleigh

.7 South Carolina

20 Dec. 1860 seceded; 25 June 1868 readmitted Area 30,495 sq. mi.
 Population 1,683,724 in 1920 46 counties
 Sobriquet: Palmetto state Capital: Columbia

.8 Georgia

19 Jan. 1861 seceded; 25 June 1868 readmitted Area 58,725 sq. mi.
 Population 2,895,832 in 1920 155 counties
 Sobriquet: Cracker state Capital: Atlanta

.9 Florida

1512 discovered by Ponce de Leon; 1565 settled by Spaniards; 22 Feb. 1819
 bought of Spain
 30 Mar. 1822 organized as territory
 3 Mar. 1845 admitted as 27th state
 10 Jan. 1861 seceded; 25 June 1868 readmitted Area 54,861 sq. mi.
 Population 968,470 in 1920 54 counties
 Sobriquets: Everglade, Gulf state Capital: Tallahassee

976 South Central or Gulf

.1 **Alabama**

1702 settled by French
 14 Dec. 1819 admitted as 22d state
 11 Jan. 1861 seceded; 25 June 1868 readmitted Area 51,279 sq. mi.
 Population 2,348,174 in 1920 67 counties
 Sobriquet: Land of Flowers Capital: Montgomery

.2 **Mississippi**

7 Ap. 1798 organized as territory; 10 Dec. 1817 admitted as 20th state
 9 Jan. 1861 seceded; 17 Feb. 1870 readmitted Area 46,362 sq. mi.
 Population 1,790,618 in 1920 82 counties
 Sobriquet: Bayou state Capital: Jackson

.3 **Louisiana**

1699 settled by French 30 Ap. 1803 bought of France 1 Oct. 1804 organized as Territory of Orleans
 30 Ap. 1812 Louisiana admitted as 18th state
 26 Jan. 1861 seceded; 25 June 1868 readmitted Area 45,409 sq. mi.
 Population 1,798,509 in 1920 64 parishes
 Sobriquets: Pelican state, Creole state Capital: Baton Rouge

.4 **Texas**

20 Dec. 1835 independence from Mexico declared; 2 Mar. 1836 republic formed
 29 Dec. 1845 annex as 28th state
 1 Feb. 1861 seceded; 30 Mar. 1870 readmitted Area 262,398 sq. mi.
 Population 4,663,228 in 1920 253 counties
 Sobriquet: Lone Star state Capital: Austin

.5

.6 **Indian Territory Oklahoma**

30 June 1834 assigned to Indians (part of Louisiana purchase)
 Area 30,790 sq. mi.
 Population 800,000 in 1906
Oklahoma organized as separate territory 2 May 1890
 16 Nov. 1907 admitted as 46th state Area 69,414 sq. mi.
 Population 2,028,283 in 1920 77 counties
 Sobriquet: Sooner state Capital: Guthrie

.7 **Arkansas**

4 June 1812 included in Missouri territory; 2 Mar. 1819 organized as Arkansas territory
 15 June 1836 admitted as 25th state
 6 May 1861 seceded; 22 June 1868 readmitted Area 52,525 sq. mi.
 Population 1,752,204 in 1920 75 counties
 Sobriquet: Bear state Capital: Little Rock

.8 **Tennessee**

1769 settled from Virginia; 14 Dec. 1784 organized by settlers as state of Franklin (or Frankland)
 1 June 1796 admitted as 16th state
 8 June 1861 seceded; 24 July 1866 readmitted Area 41,687 sq. mi.
 Population 2,337,885 in 1920 95 counties
 Sobriquet: Big Bend state Capital: Nashville

.9 **Kentucky**

1775 settled by Daniel Boone; 29 May 1790 territory organized
 1 June 1792 admitted as 15th state Area 40,181 sq. mi.
 Population 2,416,630 in 1920 120 counties
 Sobriquet: Blue Grass state Capital: Frankfort

DECIMAL CLASSIFICATION

977 North Central or Lake

.I Ohio

19 Feb 1803 admitted as 17th state Area 40,760 sq. mi.
 Population 5,759,394 in 1920 88 counties
 Sobriquet: Buckeye state Capital: Columbus

.II Northwest counties

		<i>Population in 1920</i>	
.111	Williams	24	627
5	Fulton	23	445
.112	Lucas	275	721
.113	<i>Toledo</i>		<i>243 164</i>
.114	Defiance	24	549
.115	Henry	23	362
.116	Wood	44	892
.117	Paulding	18	736
.118	Putnam	27	751
.119	Hancock	38	394
1	<i>Findlay</i>		<i>17 021</i>

.12 Central north counties

.121	Ottawa	22	193
4	Sandusky	37	109
.122	Erie	39	789
1	<i>Sandusky (city)</i>		<i>22 897</i>
.123	Lorain	90	612
1	<i>Lorain (city)</i>		<i>37 295</i>
.124	Seneca	43	176
1	<i>Tiffin</i>		<i>14 375</i>
.125	Huron	32	424
.126	Wyandot	19	481
.127	Crawford	36	054
.128	Richland	55	178
1	<i>Mansfield</i>		<i>27 824</i>
.129	Ashland	24	627

.13 Northeast counties

.131	Cuyahoga	943	495
.132	<i>Cleveland</i>		<i>796 841</i>
.133	Lake	28	667
6	Geauga	15	036
.134	Ashtabula	65	545
1	<i>Ashtabula (city)</i>		<i>22 082</i>
.135	Medina	26	067
.136	Summit	286	065
1	<i>Akron</i>		<i>208 435</i>
.137	Portage	36	269
.138	Trumbull	83	920
.139	Mahoning	186	310
1	<i>Youngstown</i>		<i>132 358</i>

HISTORY: UNITED STATES

Ohio

977.14 Central west counties

		<i>Population in 1920</i>	
.141	Van Wert	28 210	
5	Mercer	26 872	
.142	Allen	68 223	
1	<i>Lima</i>		41 326
.143	Auglaize	29 527	
.144	Hardin	29 167	
.145	Shelby	25 923	
.146	Logan	30 104	
5	Champaign	25 071	
.147	Darke	42 911	
.148	Miami	48 428	
1	<i>Piqua</i>		15 044
.149	Clark	80 728	
1	<i>Springfield</i>		60 840

.15 Central counties

.151	Marion	42 004	
1	<i>Marion (city)</i>		27 891
6	Morrow	15 570	
.152	Knox	29 580	
.153	Union	20 918	
5	Delaware	26 013	
.154	Licking	56 426	
1	<i>Newark</i>		26 718
.155	Madison	19 662	
.156	Franklin	283 951	
.157	<i>Columbus</i>		237 031
.158	Fairfield	40 484	
.159	Perry	36 098	

.16 Central east counties

.161	Wayne	41 346	
.162	Stark	177 218	
1	<i>Canton</i>		87 091
3	<i>Massillon</i>		17 428
.163	Columbiana	83 131	
1	<i>East Liverpool</i>		21 411
.164	Holmes	16 965	
.165	Coshocton	29 595	
.166	Tuscarawas	63 578	
.167	Carroll	15 942	
.168	Harrison	19 625	
.169	Jefferson	77 580	
1	<i>Stuebenville</i>		28 508

DECIMAL CLASSIFICATION

Ohio

977.17	Southwest counties		
			<i>Population in 1920</i>
.171	Preble	23	238
.172	Montgomery	209	532
.173	Dayton		152 559
.174	Greene	31	221
.175	Butler	87	025
	1 Hamilton (city)		39 675
.176	Warren	25	716
	5 Clinton	23	036
.177	Hamilton	493	678
.178	Cincinnati		401 247
.179	Clermont	28	291
	6 Brown	22	621
.18	Central south counties		
.181	Fayette	21	518
	5 Pickaway	25	788
.182	Ross	41	556
	1 Chillicothe		15 831
.183	Hocking	23	291
	7 Vinton	12	075
.184	Highland	27	610
	7 Pike	14	151
.185	Jackson	27	342
.186	Adams	22	403
.187	Scioto	62	850
	1 Portsmouth		33 011
.188	Lawrence	39	540
	1 Ironton		14 007
.189	Gallia	23	311
.19	Southeast counties		
.191	Muskingum	57	980
	1 Zanesville		29 569
.192	Guernsey	45	352
.193	Belmont	93	193
.194	Morgan	14	555
.195	Noble	17	849
.196	Monroe	20	660
.197	Athens	50	430
.198	Washington	43	049
	1 Marietta		15 140
.199	Meigs	26	189

HISTORY: UNITED STATES

977.2 **Indiana**

1809 Indiana territory with present boundaries establish
 11 Dec. 1816, Indiana admitted as 19th state
 Population 2,930,390 in 1920 92 counties Area 36,350 sq. mi.
 Soubriquet: Hoosier state Capital: Indianapolis

.21	Southeast counties	<i>Population in 1920</i>	
.211	Dearborn	20 033	
.212	Ohio	4 024	
	Switzerland	9 311	
.213	Jefferson	20 709	
.214	Ripley	18 694	
.215	Franklin	14 806	
.216	Decatur	17 813	
.217	Jennings	13 280	
.218	Scott	7 424	
	Clark	29 381	
	<i>Jeffersonville</i>		10 098
.219	Floyd	30 661	
	<i>New Albany</i>		22 992
.22	Central south counties		
.221	Harrison	18 656	
.222	Washington	16 645	
.223	Jackson	24 228	
.224	Bartholomew	23 887	
.225	Brown	7 019	
	Monroe	24 519	
.226	Lawrence	28 228	
.227	Orange	16 974	
.228	Crawford	11 201	
.229	Perry	16 692	
.23	Southwest counties		
.231	Spencer	18 400	
.232	Warrick	19 862	
.233	Vanderburg	92 293	
	<i>Evansville</i>		85 264
.234	Posey	19 334	
.235	Gibson	29 201	
.236	Pike	18 684	
.237	Dubois	19 915	
.238	Martin	11 865	
	Daviess	26 856	
.239	Knox	46 195	
.24	West central counties		
.241	Sullivan	31 630	
.242	Greene	36 770	
.243	Owen	12 760	
.244	Clay	29 447	
.245	Vigo	100 212	
	<i>Terre Haute</i>		66 083
.246	Vermilion	27 625	
	Parke	18 875	
.247	Fountain	18 823	
.248	Montgomery	28 490	
.249	Putnam	19 880	

DECIMAL CLASSIFICATION

Indiana

		<i>Population in 1920</i>	
977.25	Central counties		
.251	Morgan	20 010	
	Johnson	20 739	
.252	Marion	348 061	
	<i>Indianapolis</i>		314 194
.253	Hendricks	20 291	
.254	Boone	23 575	
.255	Clinton	27 737	
	Tipton	16 152	
.256	Hamilton	24 222	
.257	Madison	69 151	
	<i>Anderson</i>		29 767
.258	Hancock	17 210	
.259	Shelby	25 982	
.26	East central counties		
.261	Rush	19 241	
.262	Fayette	17 142	
	Union	6 021	
.263	Wayne	48 136	
	<i>Richmond</i>		26 765
.264	Henry	34 682	
.265	Delaware	56 377	
	<i>Muncie</i>		36 524
.266	Randolph	26 484	
.267	Jay	23 318	
.268	Blackford	14 084	
.269	Grant	51 353	
.27	Northeast counties		
.271	Huntington	31 671	
.272	Wells	20 509	
.273	Adams	20 503	
.274	Allen	114 303	
	<i>Fort Wayne</i>		86 549
.275	Whitley	15 660	
.276	Noble	22 470	
.277	Dekalb	25 600	
.278	Steuben	13 360	
.279	Lagrange	14 009	
.28	Central north counties		
.281	Elkhart	56 384	
.282	Kosciusko	27 120	
.283	Wabash	27 231	
.284	Miami	28 668	
.285	Howard	43 965	
.286	Cass	38 333	
	<i>Logansport</i>		21 626
.287	Fulton	16 478	
.288	Marshall	23 744	
.289	St Joseph	103 304	
	<i>South Bend</i>		70 983

HISTORY: UNITED STATES

Indiana

977.29 Northwest counties		<i>Population in 1920</i>	
.291	Laporte	50 443	
	<i>Michigan City</i>		19 457
.292	Starke	10 278	
	Pulaski	12 385	
.293	White	17 351	
.294	Carroll	16 315	
.295	Tippecanoe	42 813	
	<i>Lafayette</i>		22 486
.296	Warren	9 699	
.297	Benton	12 206	
	Newton	10 144	
	Jasper	13 961	
.298	Porter	20 256	
.299	Lake	159 957	

.3 Illinois

1809 Illinois territory formed 3 Dec. 1818 Illinois admitted
 Area 56,043 sq. mi. Population 6,485,280 in 1920 102 counties
 Sobriquet: Prairie state Capital: Springfield

		<i>Population in 1920</i>	
.31	Cook	3 053 017	
	<i>Chicago</i>		2 701 705
.32	Northeast counties		
.321	Lake	74 285	
.322	McHenry	33 164	
.323	Kane	99 499	
	<i>Aurora</i>		36 397
	<i>Elgin</i>		27 454
.324	Dupage	42 120	
.325	Will	92 911	
	<i>Joliet</i>		38 442
.326	Kendall	10 074	
	Grundy	18 580	
.327	Lasalle	92 925	
	<i>Streator</i>		14 779
.328	Dekalb	31 339	
.329	Boone	15 322	
.33	Northwest counties		
.331	Winnebago	90 929	
	<i>Rockford</i>		65 651
.332	Ogle	26 830	
.333	Stephenson	37 743	
	<i>Freeport</i>		19 669
.334	Jo Daviess	21 917	
	Carroll	19 345	
.335	Whiteside	36 174	
.336	Lee	28 004	
.337	Bureau	42 648	
	Putnam	7 579	
.338	Henry	45 162	
.339	Rock Island	92 297	
	<i>Rock Island (city)</i>		35 177
	<i>Moline</i>		30 734
	Mercer	18 800	

DECIMAL CLASSIFICATION

Illinois

		<i>Population in 1920</i>	
977.34	West central counties		
.341	Henderson	9 770	
	Warren	21 488	
.342	McDonough	27 074	
.343	Hancock	28 523	
.344	Adams	62 188	
	<i>Quincy</i>		35 978
.345	Pike	26 866	
	Scott	9 489	
.346	Morgan	33 567	
	<i>Jacksonville</i>		15 713
	Cass	17 896	
.347	Brown	9 336	
	Schuyler	13 285	
.348	Fulton	48 163	
.349	Knox	46 727	
.35	Central counties		
.351	Stark	9 693	
	Marshall	14 760	
.352	Peoria	111 710	
	<i>Peoria (city)</i>		76 121
.353	Woodford	19 340	
.354	Tazewell	38 540	
.355	Mason	16 634	
	Menard	11 694	
.356	Sangamon	100 262	
	<i>Springfield</i>		59 183
.357	Logan	29 562	
.358	Macon	65 175	
	<i>Decatur</i>		43 818
	Dewitt	19 252	
.359	McLean	70 107	
	<i>Bloomington</i>		28 725
.36	East central counties		
.361	Livingston	39 070	
.362	Ford	16 466	
.363	Kankakee	44 940	
.364	Iroquois	34 841	
.365	Vermilion	86 162	
	<i>Danville</i>		33 776
.366	Champaign	56 959	
.367	Piatt	15 714	
	Moultrie	14 839	
.368	Douglas	19 604	
.369	Edgar	25 769	

HISTORY: UNITED STATES

Illinois

977-37	Southeast counties	<i>Population in 1920</i>	
.371	Clark	21 165	
.372	Coles	35 108	
.373	Cumberland	12 858	
.374	Jasper	16 064	
.375	Crawford	22 771	
.376	Lawrence	21 380	
.377	Richland	14 044	
.378	Wabash	14 034	
.379	1 Edwards	9 431	
	2 Wayne	22 772	
	3 Jefferson	28 480	
	4 Marion	37 497	
	5 Clay	17 684	
	6 Effingham	19 556	
	7 Fayette	26 187	
	8 Shelby	29 601	
.38	Southwest counties		
.381	Christian	38 458	
.382	Montgomery	41 403	
.383	Macoupin	57 274	
.384	Greene	22 883	
.385	Calhoun	8 245	
	Jersey	12 682	
.386	Madison	106 895	
	<i>Alton</i>		24 682
.387	Bond	16 045	
	Clinton	22 947	
.388	Washington	18 035	
.389	St Clair	136 520	
	<i>Belleville</i>		24 823
	<i>East St Louis</i>		66 767
.39	Southern counties		
.391	Monroe	12 839	
.392	Randolph	29 109	
.393	Perry	22 901	
.394	Franklin	57 293	
.395	Hamilton	15 920	
.396	White	20 081	
.397	Gallatin	12 856	
.398	Hardin	7 533	
.399]	1 Pope	9 625	
	2 Saline	38 353	
	3 Williamson	61 092	
	4 Jackson	37 091	
	5 Union	20 249	
	6 Johnson	12 022	
	7 Massac	13 559	
	8 Pulaski	14 629	
	9 Alexander	23 980	
	<i>Cairo</i>		15 203

DECIMAL CLASSIFICATION

977.4 Michigan

1805 Organized as separate territory

1837 Admitted

Area 78,915 sq. mi.

Population 3,668,412 in 1920 83 counties

Sobriquets: Wolverine, Lake state Capital: Lansing

Lower peninsula

		<i>Population in 1920</i>	
.41	Southwest counties		
.411	Berrien	62 653	
.412	Cass	20 395	
.413	Van Buren	30 715	
.414	Allegan	37 540	
.415	Ottawa	47 660	
.416	Barry	21 383	
.417	Kalamazoo	71 225	
.418	<i>Kalamazoo (city)</i>		48 487
.419	St Joseph	26 818	
.42	Central south counties		
.421	Branch	23 997	
.422	Calhoun	72 918	
	<i>Battle Creek</i>		36 164
.423	Eaton	29 377	
.424	Clinton	23 110	
.425	Shiawassee	35 924	
.426	Ingham	81 554	
.427	<i>Lansing</i>		57 327
.428	Jackson	72 539	
	<i>Jackson (city)</i>		48 374
.429	Hillsdale	28 161	
.43	Southeast counties		
.431	Lenawee	47 767	
.432	Monroe	37 115	
.433	Wayne	1 177 645	
.434	<i>Detroit</i>		993 678
.435	Washtenaw	49 520	
.436	Livingston	17 522	
.437	Genesee	125 668	
.438	Oakland	90 050	
.439	Macomb	38 103	
.44	Southeast central counties		
.441	St Clair	58 009	
	<i>Port Huron</i>		25 944
.442	Lapeer	25 782	
.443	Sanilac	31 237	
.444	Huron	32 786	
.445	Tuscola	33 320	
.446	Saginaw	100 286	
	<i>Saginaw (city)</i>		61 903
.447	Bay	69 548	
	<i>Bay City</i>		47 554
	<i>West Bay City</i>		
	Annex to Bay City in April 1905		
.448	Midland	17 237	
.449	Gratiot	33 914	

HISTORY: UNITED STATES

Michigan

977-45 Southwest central counties

		<i>Population in 1920</i>	
.451	Isabella	22 610	
.452	Mecosta	17 765	
.453	Montcalm	30 441	
.454	Ionia	33 087	
.455	Kent	183 041	
.456	<i>Grand Rapids</i>		137 634
.457	Muskegon	62 362	
	<i>Muskegon (city)</i>		36 570
.458	Newaygo	17 378	
.459	Oceana	15 601	
.46	Northwest central counties		
.461	Mason	19 831	
.462	Manistee	20 899	
	<i>Manistee (city)</i>		9 694
.463	Benzie	6 947	
	Leelanau	9 061	
.464	Grand Traverse	19 518	
.465	Kalkaska	5 577	
.466	Missaukee	9 004	
.467	Wexford	18 207	
.468	Lake	4 437	
.469	Osceola	15 221	
.47	Northeast central counties		
.471	Clare	8 250	
.472	Gladwin	8 827	
.473	Arenac	9 460	
.474	Iosco	8 199	
.475	Ogemaw	7 786	
.476	Roscommon	2 032	
.477	Crawford	4 049	
.478	Oscoda	1 783	
.479	Alcona	5 912	
.48	Northern counties		
.481	Alpena	17 869	
.482	Presque Isle	12 131	
.483	Montmorency	4 089	
.484	Otsego	6 043	
.485	Antrim	11 543	
.486	Charlevoix	15 788	
.487	Cheboygan	13 991	
.488	Emmet	15 639	
.489	Manitou		

Annex to Charlevoix and Leelanau in 1896

DECIMAL CLASSIFICATION

Michigan

977-49	Upper peninsula	<i>Population in 1920</i>
.491	Chippewa	24 818
.492	Mackinac	8 026
	Luce	6 149
.493	Alger	9 983
	Schoolcraft	9 977
.494	Delta	30 909
.495	Menominee	23 778
	<i>Menominee (city)</i>	8 907
	Dickinson	19 456
.496	Marquette	45 786
	<i>Ishpeming</i>	10 500
.497	Baraga	7 662
	Iron	22 107
.498	Gogebic	33 225
	Ontonagon	12 428
.499	Houghton	71 930
	Keweenaw	6 322
	Isle Royale	
	Annex to Keweenaw in 1897	

.5 Wisconsin

1836 organized as territory
 29 May 1848, admitted as 30th state Area 56,040 sq. mi.
 Population 2,632,067 in 1920 71 counties
 Sobriquet: Badger state Capital: Madison

.51	Northwest counties	<i>Population in 1920</i>
.511	Douglas	49 771
.512	<i>Superior</i>	39 671
.513	Bayfield	17 201
.514	Burnett	10 735
.515	Washburn	11 377
.516	Sawyer	8 243
.517	Polk	26 870
.518	Barron	34 281
.519	Rusk (formerly Gates)	16 403

Name changed from Gates to Rusk in 1905. Gates organized from Chippewa in 1901

.52 Central north counties

.521	Ashland	24 538
	<i>Ashland (city)</i>	11 334
.522	Iron	10 261
.523	Vilas	5 649
.524	Price	18 517
.525	Oneida	13 996
.526	Taylor	18 045
.527	Lincoln	21 084
.528	Clark	35 120
.529	Marathon	65 259
	<i>Wausau</i>	18 661

HISTORY: UNITED STATES

Wisconsin

		<i>Population in 1920</i>	
977.53	Northeast counties		
.531	Forest	9 850	
.532	Florence	3 602	
.533	Marinette	34 361	
.534	<i>Marinette (city)</i>		13 610
.535	Langlade	21 471	
.536	Shawano	33 975	
.537	Oconto	27 104	
.538	Waupaca	34 200	
.539	Outagamie	55 113	
	<i>Appleton</i>		19 561
.54	Central west counties		
.541	St Croix	26 106	
.542	Pierce	21 663	
.543	Dunn	26 970	
.544	Chippewa	36 482	
.545	Eau Claire	35 771	
.546	<i>Eau Claire (city)</i>		20 906
.547	Pepin	7 481	
.548	Buffalo	15 615	
.549	Trempealeau	24 506	
.55	Central counties		
.551	Jackson	17 746	
.552	Wood	34 643	
.553	Portage	33 649	
.554	Monroe	28 666	
.555	Juneau	19 209	
.556	Adams	9 287	
.557	Waushara	16 712	
.558	Marquette	10 443	
.559	Green Lake	14 875	
.56	Central east counties		
.561	Brown	61 889	
	<i>Green Bay (city)</i>		31 017
.562	Kewaunee	16 091	
.563	Door	19 073	
.564	Winnebago	63 897	
.565	<i>Oshkosh</i>		33 162
.566	Calumet	17 228	
.567	Manitowoc	51 644	
	<i>Manitowoc (city)</i>		17 563
.568	Fond du Lac	56 119	
	<i>Fond du Lac (city)</i>		23 427
.569	Sheboygan	59 913	
	<i>Sheboygan (city)</i>		30 955

DECIMAL CLASSIFICATION

Wisconsin

		<i>Population in 1920</i>	
977.57	Southwest counties		
.571	La Crosse	44 355	
.572	La Crosse (city)		30 421
.573	Vernon	29 252	
.574	Crawford	16 772	
.575	Richland	19 823	
.576	Sauk	32 548	
.577	Grant	39 044	
.578	Iowa	21 504	
.579	Lafayette	20 002	
.58	Central south counties		
.581	Columbia	30 468	
.582	Dodge	49 742	
.583	Dane	89 432	
.584	Madison		38 378
.585	Jefferson	35 022	
.586	Green	21 568	
.587	Rock	66 150	
	Janesville		18 293
.588	Beloit		21 284
.589	Walworth	29 327	
.59	Southeast counties		
.591	Washington	25 713	
.592	Ozaukee	16 335	
.593	Waukesha	42 612	
.594	Milwaukee	539 449	
.595	Milwaukee (city)		457 147
.596	Racine	78 961	
.597	Racine (city)		58 593
.598	Kenosha	51 284	
.599	Kenosha (city)		40 472

.6 Minnesota

3 Mar. 1849, organized as territory from Northwest territory and Louisiana purchase
 11 May 1858, east part admitted as 32d state; west part merged in Dakota territory 1861
 Population 2,387,125 in 1920 Area 80,858 sq. mi. 86 counties
 Sobriquet: Gopher state Capital: St. Paul

.7 Iowa

12 June 1838, organized as a territory
 28 Dec. 1846, admitted as 29th state Area 56,025 sq. mi.
 Population 2,404,021 in 1920 99 counties
 Sobriquet: Hawkeye state Capital: Des Moines

HISTORY: UNITED STATES

Iowa

977-71	Northwest counties	Population 1910	
.711	Lyon	15 431	
6	Osceola	10 223	
.712	Dickinson	10 241	
5	Emmet	12 627	
.713	Sioux	26 458	
.714	O'Brien	19 051	
.715	Clay	15 660	
5	Palo Alto	15 486	
.716	Plymouth	23 584	
.717	Cherokee	17 760	
.718	Buena Vista	18 556	
.719	Pocahontas	15 602	
.72	Central north counties		
.721	Kossuth	25 082	
.722	Winnebago	13 489	
.723	Worth	11 630	
4	Mitchell	13 921	
.724	Hancock	14 723	
.725	Cerro Gordo	34 675	
.726	Floyd	18 860	
.727	Humboldt	12 951	
4	Wright	20 348	
.728	Franklin	15 807	
.729	Butler	17 845	
.73	Northeast counties		
.731	Howard	13 705	
5	Chickasaw	15 431	
.732	Winneshiek	22 091	
.733	Allamakee	17 285	
.734	Bremer	16 728	
.735	Fayette	29 251	
.736	Clayton	25 032	
.737	Blackhawk	56 570	
1	Waterloo		36 230
.738	Buchanan	19 890	
5	Delaware	18 183	
.739	Dubuque	58 262	
1	Dubuque (city)		39 141
.74	Central west counties		
.741	Woodbury	92 171	
1	Sioux City		71 227
.742	Ida	11 689	
4	Sac	17 500	
.743	Calhoun	17 783	
.744	Monona	17 125	
.745	Crawford	20 614	
.746	Carroll	21 549	
6	Greene	16 467	
.747	Harrison	24 488	
.748	Shelby	16 065	
6	Audubon	12 520	
.749	Guthrie	17 596	

DECIMAL CLASSIFICATION

Iowa

		Population in 1920	
977.75	Central counties		
.751	Webster	37 611	
	<i>Fort Dodge</i>		19 347
.752	Hamilton	19 531	
.753	Hardin	23 337	
7	Grundy	14 420	
.754	Boone	29 892	
6	Story	26 185	
755	Marshall	32 630	
	<i>Marshalltown</i>		15 731
.756	Tama	21 861	
.757	Dallas	25 120	
.758	Polk	154 029	
	<i>Des Moines</i>		126 468
.759	Jasper	27 855	
6	Poweshiek	19 910	
.76	Central east counties		
.761	Benton	24 080	
.762	Linn	74 004	
	<i>Cedar Rapids</i>		45 566
.763	Jones	18 607	
.764	Jackson	19 931	
.765	Iowa	18 600	
5	Johnson	26 462	
.766	Cedar	17 560	
.767	Clinton	43 371	
	<i>Clinton (city)</i>		24 151
.768	Muscatine	29 042	
	<i>Muscatine (city)</i>		16 068
.769	Scott	73 952	
	<i>Davenport</i>		56 727
.77	Southwest counties		
.771	Pottawattamie	61 550	
	<i>Council Bluffs</i>		36 162
.772	Cass	19 421	
.773	Adair	14 259	
.774	Mills	15 422	
.775	Montgomery	17 048	
.776	Adams	10 521	
.777	Fremont	15 447	
.778	Page	24 137	
.779	Taylor	15 514	
.78	Central south counties		
.781	Madison	15 020	
.782	Warren	18 047	
.783	Marion	24 957	
.784	Mahaska	26 270	
.785	Union	17 268	
6	Clarke	10 506	
.786	Lucas	15 686	
5	Monroe	23 467	
.787	Ringgold	12 919	
5	Decatur	16 566	
.788	Wayne	15 378	
.789	Appanoose	30 535	

HISTORY: UNITED STATES

Iowa

977-79	Southeast counties	<i>Population in 1920</i>	
.791	Keokuk	20	983
.792	Washington	20	421
6	Louisa	12	179
.793	Wapello	37	937
1	<i>Ottumwa</i>		23 003
.794	Jefferson	16	440
.795	Henry	18	298
.796	Des Moines	35	520
1	<i>Burlington</i>		24 057
.797	Davis	12	574
.798	Van Buren	14	060
.799	Lee	39	676
1	<i>Keokuk (city)</i>		14 423

.8 Missouri

7 Dec. 1812, organized as a territory 10 Aug. 1821, admitted as 24th state
 Population 3,404,055 in 1920 114 counties and St Louis
 Sobriquets: Bullion state, Iron state Capital: Jefferson Area 69,415 sq. mi.

.81	Northwest counties	<i>Population in 1920</i>	
.811	Atchison	13	008
5	Holt	14	084
.812	Nodaway	27	744
6	Andrew	14	075
.813	Buchanan	93	684
1	<i>St Joseph</i>		77 939
5	Platte	13	996
.814	Worth	7	642
5	Gentry	15	634
.815	Dekalb	11	694
5	Clinton	14	461
.816	Clay	20	455
.817	Harrison	19	719
.818	Daviess	16	641
5	Caldwell	13	849
.819	Ray	20	508
.82	Central north counties		
.821	Mercer	11	281
5	Grundy	17	554
.822	Livingston	18	857
5	Carroll	20	480
.823	Putnam	13	115
5	Sullivan	17	781
.824	Linn	24	778
.825	Chariton	21	769
.826	Schuyler	8	383
4	Adair	21	404
.827	Macon	27	518
.828	Randolph	27	633
1	<i>Moberly</i>		12 808
5	Howard	13	997
.829	Boone	29	672

DECIMAL CLASSIFICATION

Missouri

977.83 Northeast counties		<i>Population in 1920</i>	
.831	Scotland	10	700
5	Knox	10	783
.832	Shelby	13	617
5	Monroe	16	414
.833	Audrain	20	589
5	Callaway	23	007
.834	Clark	11	874
5	Lewis	13	465
.835	Marion	30	226
1	<i>Hannibal</i>		<i>19 306</i>
5	Ralls	10	412
.836	Pike	20	345
.837	Lincoln	15	956
.838	Montgomery	15	233
6	Warren	8	490
.839	St Charles	22	828
.84	Central west counties		
.841	Jackson	367	846
1	<i>Kansas City</i>		<i>324 410</i>
.842	Cass	21	536
.843	Bates	23	933
.844	Vernon	26	069
.845	Lafayette	30	006
5	Johnson	24	899
.846	Henry	25	116
6	St Clair	15	341
.847	Saline	28	826
.848	Pettis	35	813
1	<i>Sedalia</i>		<i>21 144</i>
.849	Benton	12	989
6	Hickory	7	033
.85	Central counties		
.851	Cooper	19	308
.852	Moniteau	13	532
.853	Morgan	12	015
.854	Camden	10	474
.855	Cole	24	680
1	<i>Jefferson City</i>		<i>14 490</i>
.856	Miller	15	567
.857	Pulaski	10	490
.858	Osage	13	559
.859	Maries	9	500
4	Phelps	14	941
.86	Central east counties		
.861	Gasconade	12	381
.862	Crawford	12	355
.863	Franklin	28	427
.864	Washington	13	803
.865	St Louis	100	737
.866	<i>St Louis (city)</i>		<i>772 897</i>
.867	Jefferson	26	555
.868	St François	31	403
.869	Ste Genevieve	9	809
4	Perry	14	434

HISTORY : UNITED STATES

Missouri

		<i>Population in 1920</i>	
977.87	Southwest counties		
.871	Barton	16 879	
.872	Jasper	75 941	
1	Joplin		29 902
2	Webb City		7 807
.873	Newton	24 886	
6	McDonald	14 690	
.874	Cedar	13 933	
5	Dade	14 173	
.875	Lawrence	24 211	
.876	Barry	23 473	
.877	Polk	20 351	
.878	Greene	68 698	
1	Springfield		39 631
.879	Christian	15 252	
4	Stone	11 941	
7	Taney	8 178	
.88	Central south counties		
.881	Dallas	12 033	
5	Laclede	16 857	
.882	Webster	16 609	
5	Wright	17 733	
.883	Douglas	15 436	
5	Ozark	11 125	
.884	Texas	20 548	
.885	Howell	21 102	
.886	Dent	12 318	
.887	Shannon	11 865	
5	Oregon	12 889	
.888	Iron	9 458	
5	Reynolds	10 106	
.889	Carter	7 482	
4	Ripley	12 061	
.89	Southeast counties		
.891	Madison	10 721	
.892	Wayne	13 012	
.893	Butler	24 106	
.894	Bollinger	13 909	
.895	Stoddard	29 755	
.896	Cape Girardeau	29 839	
.897	Scott	23 409	
.898	Mississippi	12 860	
5	New Madrid	25 180	
.899	Dunklin	32 773	
6	Pemiscot	26 634	

DECIMAL CLASSIFICATION

978 Western or Mountain

Including general works on 'the West'

.1 **Kansas**

1541 explored by Spanish
 30 May 1854 organized as separate territory, after successive inclusion in Louisiana and Missouri territories 29 Jan. 1861 admitted as 34th state
 Area 81,774 sq. mi. Population 1,769,257 in 1920 105 counties
 Sobriquet: Garden of the west Capital: Topeka

.2 **Nebraska**

30 May 1854 territory organized out of Missouri territory
 1 Mar. 1867 admitted as 37th state
 Area 76,868 sq. mi. Population 1,296,372 in 1920 93 counties
 Sobriquet: Blackwater state Capital: Lincoln

.3 **South Dakota** Including works on Dakota as a whole

2 Nov. 1889 admitted as 40th state (Dakota ter. organized 2 Mar. 1861, divided into North and South Dakota)
 Area 76,868 sq. mi. Population 636,547 in 1920 68 counties
 Sobriquet: Coyote state Capital: Pierre

.4 **North Dakota**

2 Nov. 1889 admitted as 39th state (Dakota ter. organized 2 Mar. 1861, divided into North and South Dakota)
 Area 70,183 sq. mi. Population 646,872 in 1920 53 counties
 Sobriquet: Flickertail state Capital: Bismarck

.5

.6 **Montana**

26 May 1864 territory organized. Name means Mountain land
 8 Nov. 1889 admitted as 41st state
 Area 146,201 sq. mi. Population 548,889 in 1920 51 counties
 Sobriquet: Treasure state Capital: Helena

.7 **Wyoming**

25 July 1868 Wyoming territory organized
 10 July 1890 admitted as 44th state
 Area 97,594 sq. mi. Population 194,402 in 1920 21 counties and Yellowstone national park
 Sobriquet: Stub Toe state Capital: Cheyenne

.8 **Colorado**

28 Feb. 1861 Colorado territory organized
 1 Aug. 1876 admitted as 38th state
 Area 103,658 sq. mi. Population 939,629 in 1920 63 counties
 Sobriquet: Centennial state Capital: Denver

.9 **New Mexico**

2 Feb. 1848 ceded by Mexico
 9 Sep. 1850 territory organized; enlarged 1853 by Gadsden purchase
 6 Jan. 1912 admitted as 47th state Area 122,503 sq. mi.
 Population 360,350 in 1920 29 counties Capital: Santa Fé

979 Pacific

.1 **Arizona**

2 Feb. 1848 ceded by Mexico, and enlarged by Gadsden purchase 1853
 24 Feb. 1863 territory organized 14 Feb. 1912 admitted as 48th state
 Area 113,810 sq. mi. Population 334,162 in 1920 14 counties
 Sobriquets: Valentine, Hassayampa state Capital: Phoenix

.2 **Utah**

2 Feb. 1848 ceded by Mexico 9 Sep. 1850 territory organized
 4 Jan. 1896 admitted as 45th state
 Area 82,184 sq. mi. Population 449,396 in 1920 29 counties
 Sobriquet: Salt Lake state Capital: Salt Lake City

.3 **Nevada**

2 Mar. 1861 territory organized 31 Oct. 1864 admitted as 36th state
 Area 109,821 sq. mi. Population 77,407 in 1920 17 counties
 Sobriquet: Silver state Capital: Carson

HISTORY: UNITED STATES

979.4

California

Admitted 9 Sep. 1850, as 31st state Area 155,652 sq. mi.

Population 3,426,861 in 1920 58 counties

Sobriquet: Golden state Capital: Sacramento

Northern or Superior California

Use 979.41 as a general number, including .41-.43

.41 **Coast range counties, north** *Population in 1920*

.411 Del Norte 2 759

.412 Humboldt 37 413

.414 Trinity 2 551

.415 Mendocino 24 116

.417 Lake 5 402

.418 Sonoma 52 090

.419 Napa 20 678

.42 **Northeast counties**

.421 Siskiyou 18 545

.423 Modoc 5 425

.424 Shasta 13 361

.426 Lassen 8 507

.427 Tehama 12 882

.429 Plumas 5 681

.43 **North central counties**

.431 Glenn 11 853

.432 Butte 30 030

.433 Colusa 9 290

.434 Sutter 10 115

.435 Yuba 10 375

.436 Sierra 1 783

.437 Nevada 10 850

.438 Placer 18 584

Central California

Use 979.44 as a general number, including .44-.48

.44 **East central counties**

.441 El Dorado 6 426

.442 Amador 7 793

.443 Alpine 243

.444 Calaveras 6 183

.445 Tuolumne 7 768

.446 Mariposa 2 775

.447 *Yosemite*

.448 Mono 960

.45 **Central counties**

.451 Yolo 17 105

.452 Solano 40 602

.453 Sacramento 91 029

.454 *Sacramento (city)* 65 908

.455 San Joaquin 79 905

.456 *Stockton* 40 296

.457 Stanislaus 43 557

.458 Merced 24 579

DECIMAL CLASSIFICATION

California

979.46	West central counties	San Francisco group	
			<i>Population in 1920</i>
.461	San Francisco co. and city	506 676	
.462	Marin	27 342	
.463	Contra Costa	53 889	
.465	Alameda	344 177	
	<i>Alameda (city)</i>		28 806
.466	<i>Oakland</i>		216 261
.467	<i>Berkeley</i>		56 036
.469	San Mateo	36 781	
.47	Coast range counties, south		
.471	Santa Cruz	26 269	
.473	Santa Clara	100 676	
.474	<i>San José</i>		39 642
.475	San Benito	8 995	
.476	Monterey	27 980	
.478	San Luis Obispo	21 893	
.48	South central counties		
.481	Madera	12 203	
.482	Fresno	128 779	
.483	<i>Fresno (city)</i>		45 086
.485	Kings	22 031	
.486	Tulare	59 031	
.487	Inyo	7 031	
.488	Kern	54 843	
	Southern California		
.49	Southern counties		
.491	Santa Barbara	41 097	
	Ilands: San Miguel, Santa Rosa, Santa Cruz, Santa Barbara		
.492	Ventura	28 724	
	Ilands: Anacapa, San Nicholas		
.493	Los Angeles	936 455	
	Ilands: Santa Catalina, San Clemente		
.494	<i>Los Angeles (city)</i>		576 673
.495	San Bernardino	73 401	
.496	Orange	61 375	
.497	Riverside	50 297	
.498	San Diego	112 248	
	<i>San Diego (city)</i>		74 683
.499	Imperial	43 453	

HISTORY: UNITED STATES

979.5

Oregon

14 Aug. 1848 territory organized 14 Feb. 1859 admitted as 33d state
Area 96,607 sq. mi. Population 783,389 in 1920 36 counties
Sobriquet: Beaver state Capital: Salem

.6

Idaho

3 Mar. 1863 territory organized. Part of Louisiana purchase. First
included in Oregon, later in Washington territory
3 July 1890 admitted as 43d state
Area 83,354 sq. mi. Population 431,866 in 1920 44 counties
Sobriquet: Gem state Capital: Boise

.7

Washington

2 Mar. 1853 territory organized; earlier, part of Oregon territory
11 Nov. 1889 admitted as 42d state
Area 66,836 sq. mi. Population 1,356,621 in 1920 39 counties
Sobriquet: Evergreen state Capital: Olympia

.8

Alaska

30 Mar. 1867 ceded by Russia 24 Aug. 1912 organized as territory
Area 590,884 sq. mi. Population 55,036 in 1920 Capital: Juneau

- 980 South America**
- 981 Brazil
- 982 Argentina Patagonia
- 983 Chile
- 984 Bolivia
- 985 Peru
- 986 U. S. of Colombia Panama New Granada
Ecuador
- 987 Venezuela
- 988 Guiana
- 989 Paraguay Uruguay
- 990 Oceania Polar regions**
- 991 Malaysia
.1 Borneo .2 Celebes .3 Moluccas or Spice islands .4 Philippine
islands
- 992 Sunda
.1 Sumatra .2 Java
- 993 Australasia
.1 New Zealand .2 New Caledonia .3 Loyalty islands .4 New
Hebrides .5 Solomon islands .6 New Britain, New Ireland
.7 Admiralty islands
- 994 Australia
.1 Western Australia .2 South Australia .3 Queensland .4 New
South Wales .5 Victoria .6 Tasmania
- 995 New Guinea
- 996 Polynesia
.1 Fiji, Friendly and Navigator islands .2 Society, Austral and
Cook's islands .3 Marquesas islands and Low Archipelago .4 Minor
Polynesian islands .5 **Micronesia** .6 Caroline and Pelew islands
.7 Ladrone islands .8 Marshall and Gilbert islands .9 Hawaii
- 997 Isolated islands
- 998 Arctic regions
General number for Polar regions
- 999 Antarctic regions

RELATIV SUBJECT INDEX

INDEX ABBREVIATIONS

Cutter forename abbreviations Most common forenames of men are denoted by initial and colon; of women by initial and double period.

A.. Anna	G: George	L.. Louisa	S: Samuel
A: Augustus	G.. Grace	M: Mark	S.. Sarah
B.. Beatrice	H.. Helen	M.. Mary	T.. Theresa
B: Benjamin	H: Henry	N.. Nancy	T: Thomas
C: Charles	I: Isaac	N: Nicholas	U: Ulrich
C.. Charlotte	I.. Isabella	O.. Olivia	U.. Ursula
D: David	J.. Jane	O: Otto	V: Victor
D.. Delia	J: John	P.. Pauline	V.. Victoria
E: Edward	K: Karl	P: Peter	W.. Wilhelmina
E.. Elizabeth	K.. Kate	R.. Rebecca	W: William
F.. Fanny	L: Lewis	R: Richard	Z.. Zenobia
F: Frederick			

Other abbreviations exclusiv of common geographic abbreviations and others selfexplanatory; e. g. those made by omitting final -ment, -ogy, -rafy, -tion, -ture, obscure syllables, etc.

adj.	adjutant	elec.	electric -ity	nat.	natural, nature
anal.	analysis	eng.	engineering	nonchr.	nonchristian
anat.	anatomy	eth.	ethical, ethics	ord.	order, orders
anc.	ancient	exped.	expedition	ordn.	ordnance
antiq.	antiquities	fest.	festival	org.	organ -ic
arch.	archeology	fic. <i>or</i>	fiction	orig.	origin -al
	architecture	fic.		phil.	philosopher -y
ass'n	association	gard.	gardening	philol.	philology
astr.	astronomy	gen.	general	phot.	photographic -y
bibliog.	bibliografic	geod.	geodesy	phys.	physical
biog.	biografy	geog.	geografic		physiologic -y
bldg	bilding	geol.	geology	poet.	poetry
bus.	business	geom.	geometry	pol. <i>or</i>	political <i>or</i>
ch.	church	gov. <i>or</i>	government	polit.	politics
chem.	chemic	gov't		prac.	practical
	chemistry	histol.	histology	pres.	presidency
chr.	christian	hist.	historic -y		president
civ.	civil	hum.	humor	prob.	probabilities
co.	county	hyg.	hygiene	prot.	protection
cont.	contagious	instr.	instrument	psych.	psychologic -y
cost.	costume	lang.	language	pub.	public
crim.	criminal	lib.	library -ian	reg.	region
Dan.	Danish	lig.	ligament	relig.	religion, -ous
dec.	decoration	lit.	literature	rit.	ritual
descr.	description	loc.	local -ity	sat.	satire
	descriptiv	mach.	machine -ry	sci.	science, -tific
diff.	different	manuf.	manufactures	serm.	sermons
dis.	diseases	mech.	mechanic	soc.	social, society
discov.	discovery	ment.	mental	stat.	statutes
doc.	doctrin -al	meth.	methods	subj.	subject
dom.	domestic	mfg	manufacturing	tech.	technology
dram.	drama	mil.	military	theol.	theologic -y
dwel.	dwelling	min.	mineral	theor.	theoretic
eccles.	ecclesiastic		mining	therap.	therapeutics
	ecclesiology	misc.	miscellany	wks	works
econ.	economic -y	mon.	monastic		

HOW TO USE THIS INDEX

Find the subject desired in its alphabetical place in the index. The number after it is its class number and refers to the place where the topic will be found, in numerical order of class numbers, on the shelves or in the subject catalogs. All class numbers are decimals; i. e., 571.34, Bronze remains, comes before 571.4, Iron age, and both of them before 572, Ethnology. Printed labels on the shelves or drawer fronts guide readily to the class number sought.

Under this class number will be found the resources of the library on the subject desired. Other subjects near the one sought may often be consulted with profit; e. g., Communism is the topic wanted and the index refers to 335.4, but 335, Socialism, and even the inclusive division 330, Political economy, also contain much on this subject. The reverse is equally true; the full material on Socialism can only be had by looking at its divisions 335.3, Fourierism, 335.4, Communism, etc. The topics which are thus subdivided are plainly marked in the index by heavy faced type.

THIS INDEX CONTAINS

in a single alphabet all the subjects named in the Complete Tables of the Decimal Classification together with their synonyms and such other useful topics as could be found in a selection of the largest dictionary and subject catalogs.

Where nothing is found under any number it shows that the library does not yet possess any book on that topic.

IT DOES NOT INCLUDE

all names of places, minerals, plants, etc., but gives only those used in the full tables and a farther selection of the most common and useful. It is not a biographical dictionary and gives **no names of persons** as biographical headings, but only such as appear in the tables in connection with some subject like Philosophy, Literature, or History.

To avoid swelling the index by frequent repetitions of long lists of sub-divisions under every country, language, etc., five general tables have been prepared; viz. 1, Geographical divisions; 2, Form divisions; 3, Languages; 4, Philological divisions; 5, Literatures. These are placed at the end and referred to from all such topics in the index. Explanations precede each index table.

Relativ Subject Index

A B C telegraf	elec. eng.	621.38222	Abduction	criminal law	343
A L A publishing board		020.627	Abductors	anatomy	
A la carte table system		642.53		digiti quinti brevis	611.73776
Aagesen, Svend	Dan. misc.	839.8812		hallucis	611.7389
Abaca	agriculture	633.571		of thumb, long	611.73767
Abacus	arithmetic	511.2		short	611.73773
Abandoned children, <i>see</i> Dependents			Abecedarians	christ. sect	284.3
Abattoirs			Abelard	medieval philos.	189.4
	architecture	725.28	Abelian functions		517.36
	public health	614.741	¹ Aberdeen, Scot.	history	941.25
	sanitary engineering	628.549		travels	914.125
Abbasides	history	956		Angus	cattle 636.2231
Abbéville, treaty	inter. law	341.2	Aberration		
Abbey schools	education	377.3		astronomy	corrections 522.94
Abbeys	architecture	726.7		chromatic	optics 535.4
	history	271		mental	disease 616.8
Abbot of misrule	customs	394			hospitals 362.2
Abbots	monastic orders	271			insanity 132
Abbreviations					puerperal 618.76
	English paleography	421.8		spheric	optics 535.3
	Greek	481.8	Abeyance		347.6
	Latin	471.8	Ability, human	doctrin	233.4
³	other languages		Abiogenesis		
	literary methods	029.4		animals	591.161
	shorthand	653.1		biology	576.1
Abchasian language		494		plants	581.161
Abdication			Abipones	history	982
	absolute monarchy	321.6	¹ Abitibi co. Que.	history	971.412
	constitutional history	342	Abjuration		
	monarchy	321.7		oath of	relig. hist. 283.42
Abdomen	anatomy	611.95	Ablation		
	surgery	617.55		of brain	physiology 612.8226
Abdominal				liver	" 612.359
	aorta	anatomy 611.136		stomach	" 612.3235
	esophagus	" 611.3293	Ablativ	Latin syntax	475.5
	lymph glands	" 611.465	Ablaut	Eng. orthograpy	421.2
	lymphatics	" 611.4215		Ger.	" 431.2
	muscles	" 611.736	³	other languages	
	oblique muscles	" 611.7363	Ablution	Anglican ritual	264.035
	sympath. ganglions	611.899	Abnormal		
		physiol. 612.893		children	child study 136.76
	nervs	anat. 611.8393			education 371.9
Abdomino-aortic				development of embryo	617.3
	glands	anatomy 611.4652		labor	obstetrics 618.5
Abducent			Abo, peace of	treaties	341.2
	nerv	anatomy 611.8316	Abode of animals		
	eye	612.8466		geografic distribution	591.9
	physiology	612.8196		habits	591.52
	nucleus	anatomy 611.8175			

Topics in black face type are subdivided Superior figures refer to the tables at the end of this index

Abolition			Absorption		
movement	U. S. hist.	973.7114	in intestin	physiology	612.3327
of legis. bodies	pol. sci.	328.394	large intestin		612.364
slavery	" "	326.8	peritoneum	physiol.	612.3391
	U. S. hist.	973.714	stomach	"	612.3227
Abolitionists	biograpy	923.6	urin. passages	"	612.4672
Aborigines			lymphatic	"	612.426
American antiquities		913.7	of heat	physics	536.34
ethnology		572.97	light	"	535.3
history		970.1	liquids	"	532.7
prehistoric archeology		571	in lungs	physiol.	612.2159
Abortion			physiology		612.38
ethics		173.4	Abstinence	asceticism	248
law		343	temperance		178.2
pathology of pregnancy		618.39	Abstracting	lit. methods	029.4
About, E.F.V.	French fic.	843.86	Abstraction	philosofy	153.3
Abrasions	surgery	617.13	Abstracts of titles	law	347.2
Abrasivs	engineering	621.92	Abutments	bridges	624.16
Abraxas	gems	736	¹ Abyssinia	history	963
	gnostics	273.1	⁴	language	492.8
Abridged notation				travel	916.3
modern analyt. geom.		516.52	Abyssinian milk goat		636.3986
Abridging	literary meth.	029.4	Academic		
	shorthand	653	degrees and costume		378.2
Abridgments	Eng. law	346.5	education		373
	U. S. law	345.5	freedom	education	378.121
¹ Abruzzo, Italy	history	945.71	pol. sci.		323.444
	travels	914.571	sermons		252.5
Absscess			Academicsian, biograpy of		920.6
in lungs	diseases	616.244	Academies		
surgery		617.23	architecture		727.2
Absence			female		376.9
leave of	laboring classes	331.816	learned gen. societies		060
	military sci.	355.11	²	of special subj. see subj.	
	permits	371.53	national gen. societies		060
Absences	school disciplin	371.52	³	of special subj. see subj.	
Absent voting	suffrage	324.247	private, for boys		373
Absenteeism	Irish hist.	941.5	girls		376.9
Absentmindedness	psych.	151.4	mixt		373
Absolute geometry		513.8	public, history		379
	majority suffrage	324.262	theory		379.171
	the ontology	111	scientific		506
Absolution	sacrament	265.6	Academy, new	Gk philos.	186.2
Absolutism	pol. sci.	321.6	older	"	184
	predestination	234.9	¹ Acadia, Nova Scotia	hist.	971.6
Absorbent system	animals	501.13	Acalepha	zoology	593.73
	man	612.3	Acanthaceæ	botany	583.86
	plants	581.13	Acanthocephala	parasites	616.966
Absorbing wells	sanita.	628.542	Acanthopteri	zoology	597.5
Absorption			Acapnea	physiol.	612.2842
by skin	physiology	612.791	Acaridæ	animal parasites	616.9685
soil	agriculture	631.432	zoology		595.4
hygiene of employment		613.63	Acarmania, Greece	ancient	938.3

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Acceleration of the moon	523.33	Acclimatization	
Accent		plants agric.	631.525
³ pronunciation Eng. lang.	421.6	botany	581.52
³ prosody " "	426.1	zootechny	636.0836
Access to library shelves	024.56	Accommodation, optic	
Accession		disorders of	617.75
book library admin.	025.24	physiology	612.8421
dep't " "	025.2	Accomplises crim. law	343
Accessories		Accordeon music	788.9
accumulator elec. eng.	621.3547	Accountability doctrin	233.4
architectural	729.9	Accounts	
arc-light elec. eng.	621.3257	book-keeping	657
artillery mil.	623.46	butter business	637.216
boiler steam "	621.1847	cheese "	637.316
chemic receptacles	542.23	farm	631.16
electric		household dom. econ.	647.1
machinery elec. eng.	621.316	laundry " "	648.11
rolling stock " "	621.3344	library admin.	025.114
traction line " "	621.3327	milk business	637.116
gasoline engines	621.437	stock farming	636.0816
hydraulic machinery	621.267	supervision of bilding	692.7
library bildings	022.349	Accouterments agriculture	636.0837
of dress domest. econ.	646.48	mil. science	355.81
primary cell elec. eng.	621.3537	Accubation soc. customs	394.1
school bildings	371.629	Accumulation capital	331
steam plant	621.197	Accumulator	
telegraf	621.38329	panels elec. eng.	621.31728
voltaic battery engin'g	621.352	substations " "	621.31265
Accessory		Accumulators	
nuclei anatomy	611.8187	electric engineering	621.354
obturator nerv anatomy	611.83561	hydraulic	621.254
Accidence		physics	537.84
English language	425.1	telephone stations	621.38762
³ other languages		Accusativ	
Accidents		etymology, Greek	482.5
dangerous occupations	613.66	Latin	472.5
industrial	614.83	³ other languages	
insurance business	368.4	syntax, Greek	485.5
economics	331.25	Latin	475.5
medicin	617.1	³ other languages	
military explosivs	623.483	Acephala zoology	594.1
milk	637.16	Acetabulum anatomy	611.7181
miners	622.85	Acetates diuretics	615.761
police mesures	351.78	Acetonuria physiol.	612.46661
protection of public	614.8	Acetylene	
railroad	656	chemic technology	665.8
Acclimatization		heat prac. chem.	542.42
animals	591.52	light dom. econ.	644.314
evolution	575.3	lib. "	022.753
hygiene	613.11	stoves	643.334
man	573.4	Acetylenes organ. chem.	547.23
mental influence	136.2	Achaia, Greece anc. hist.	938.7
		Achaian leag " "	938.08

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Achlamosporesæ botany	583.94	Acting ethics	175.2
Achlorophyllæ botany	589.9	theater	792
Achromatism optics	535.4	Actinaria zoology	593.6
Acid		Actinism optica	535.85
in gastric juice physiol.	612.3212	photography	771
poisons therapeutics	615.921	Actinium chemistry	546.842
waters mining eng.	622.57	Actinometer physics	536.6
Acidimetry chemistry	545.2	Actinotherapy medicin	615.831
Acids		Actinozoa zoology	593.6
aids to digestion	615.7343	Action legislativ procedure	328.374
chemic technology	661.2	Actions legal procedure	347.9
disinfectants	614.484	Actors biography	927.92
fixt materia medica	615.34	Acts	
organic chemistry	547.7	and resolv. Am. stat.	345.1
qualitativ analysis	544.13	Eng. "	346.1
theoretic chemistry	541.4	of learned societies gen.	060
vegetable drugs	615.338	for spec. subjects see topic	
Acini of breasts anatomy	611.692	legislativ bodies, U. S.	345.1
Acology medicin	615.5	the Apostles	226.6
Aconite		Aculeata zoology	595.79
botany	583.111	Acupuncture therapeutics	615.814
medicins	615.323111	Acute diseases	616
poisons	615.98	Acyclic machines elec. eng.	021.313291
therapeutics	615.716	Ad valorem duty	
Acorn, colonial order of the	369.126	customs	336.26
Acoustic		protection	337
nerv anatomy	611.8318	taxes	336.26
physiol. of ear	612.8585	Adages	
" " nervs	612.8198	English literature	828
perception "	612.8587	" other literatures	
Acoustics		folklore	398.9
applications to architect.	534.84	1Adair co. Ia. history	977.773
music	781.1	" Mo. "	977.8264
physics	534	Adam, Onkle Swed. fict.	839.7364
Acquisition		Adam de la Halle Fr. dram.	842.12
library methods	025.22	Adamites heresy	273.9
of farm	631.11	Adam's fig fruit culture	634.773
stock zootechny	636.0811	Adams, J: presidency of	973.44
territory pol. sci.	320.126	J: Q. "	973.55
Acrania zoology	597.1	1Adams co. Ill. history	977.344
Acrididæ entomology	595.73	travels	917.7344
Acrobats		" Ind. history	977.273
amusements	791	" Ia. "	977.776
ethics	175.1	" O. "	977.186
Acrogens botany	586	" Pa. "	974.842
Acromioclavicular joint	611.72724	" Wis. "	977.556
Acromion anatomy	611.7171	1Adana, Asiatic Turk. hist.	956.4
Acromiothoracic arteries	611.1341	Adaptability of soil	631.44
Acropolis		Adaptation evolution	575.3
architecture	722.8	Adapters prac. chem.	542.231
Grecian antiquities	913.385	Adding machines	510.8
Acrostics Eng. language	828	1Addington co. Ont. hist.	971.359
Actinaria zoology	593.65	Addison, J. Eng. essays	824.52

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Addison co. Vt. history	974.35	Administrativ	
travels	917.435	law	350
Addison's disease	616.45	reform	351.6
Addition arithmetic	511.2	rooms lib. bldgs	022.62
Addresses		Administrator law	347.6
American literature	815	Admirals biography	923.5
other "		Admiralty	
and petitions		English navy	354.427
control of admin.	351.97	foren countries	354
legislativ procedure	328.372	¹ islands history	993.7
library propandism	021.78	law	347.7
on education	370.4	Admission school	371.21
² spec. topics see topic		Adnexa, uterin anatomy	611.65
U. S. history civil war	973.794	Adobe masonry	693.22
revolution	973.394	Adolescence	
war of 1812	973.5294	childstudy	136.7
Addressing machines	652	ration during physiol.	612.394
Adductors		Adolphus German hist.	943.026
of thigh anatomy	611.73824	Adonhiramite free masonry	366.1
toes "	611.7389	Adoption family law	347.6
pollicis "	611.73773	Adoptionists heresies	273.9
Adenoid tissue histology	611.01824	Adsorption pneumatics	533.1
Adenoids pathology	616.21	Adult mortality pub. helth	614.134
surgery	617.42	Adulterations	
Adhesion physics	539.2	butter	637.26
Adhesivs bldg	691.5	chemic analysis	543
engin.	620.15	technology	660
Adipogenic function		fertilizer agric.	631.818
physiology	612.3522	milk	637.16
Adipose		public helth	614.3
bodies anatomy	611.39	Adultery ethics	176.6
tissue histology	611.01826	law	343
Adiposity physiol.	612.3977	Advent Anglican festivals	264.031
Adirondacks travel	917.4753	second christol.	232.6
Adjectiv forms		Adventists, second biog.	922.6
² etymology Eng. lang.	422.6	sect	286.7
³ inflection " "	425.16	Adventitious nerv sheath	
³ syntax " "	425.6	histology	611.018835
³ other languages		Adventures biography	923.9
Adjournment legis. bodies	328.356	travels, etc.	910
Adjustable speed motors	621.313247	Adverbs, etymol. Eng. lang.	422.9
tooth harrow	631.3131	³ other lang.	
Adjutages	532.52	³ syntax Eng. lang.	425.9
Adjutant general's rpt, U. S.	353.6	³ other lang.	
Administration		Adverse possession law	347.2
engineering works	621.704	Adversity pauperism	339
household dom. econ.	647	Advertising	
individual libraries	025.18	bilding contracts	692.4
library	025	commerce	659.1
of medicins therapeutics	615.6	department journalism	070.36
political science	350	library propandism	021.73
Administrativ		publishing	655.55
action, subjects of	351.7	self newspaper expenses	070.348
bildings architecture	725.1	methods	070.336
control	351.91	Advocacy	347.92

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Advocates, Faculty of	347.06	Ætolian leag	Greek hist.	938.08
lives	923.4	Affections	physiol, psych.	612.82133
Advowsons	canon law 348	psychology		157
Ædiles	Roman antiquities 913.37	Affidavits		347.94
Ælfric	Angl. Saxon lit. 829.6	Affinity	chemistry	541.39
Æolian harp	music 787.5	family law		347.6
Æolic dialect	Greek lang. 487.921	Affixes	English language	422.2
Aerated		other languages		
bred	cookery 641.6	Affliction		
waters	chem. tech. 663.6	⁴ Afghani language		491.58
	hygiene 613.38	religion		299.158
Aeration		¹ Afghanistan	history	958
water purification	628.16	travel		915.8
Aerial		Afids	pests	632.75
bridges	engineering 624.86	Africa	antiquities	913.6
erosion	geology 551.37	botany		581.96
layering	agriculture 631.5344	geology		556
lines	elec. eng. 621.31922	¹	history	960
maps	aeronautics 629.145	statistics		316
navigation	<i>see</i> Aeronautics	travels		916
operations	Great war 940.44	other topics	<i>see</i> table 1	
topograpy	aeronautics 629.145	¹ North	history	961
transport	sociol. 387	travels		916.1
useful arts	629.13	¹ Central	history	966
Aerials		Propria, ancient	"	939.73
wireless telefony	621.38465	¹ South	"	968
telegrafy	621.38435	¹ Central	"	967
Aerobic cells	physiol. 612.01411	African		
Aerodromes	aeronautics 629.144	colonization	sociology	325.6
Aerodynamics	engineering 629.142	discovery of America		973.11
physics	533.6	geese		636.59886
Aerolites	astronomy 523.51	languages		496
geology	552.6	⁴ Ethiopic		492.8
Aerology	551.5	Hamitic		493
Aerometers	prac. chem. 542.32	methodist church		287.8
Aeronautic sickness		mortality	public helth	614.144
respiration in	physiol. 612.27511	sheep		636.386
Aeronautics		slave trade		326.1
military engineering	623.74	swine		636.486
physics	533.6	Afterbrain	anatomy	611.818
useful arts	629.13	After dinner speeches		642.48
Aerophytes	lichens 589.1	Afternoon tea	dom. econ.	642.2
orchids	584.15	lib.	"	021.5
Aeroplanes	construction 629.17	recipes		641.53
military	623.746	Agamogenesis	animals	591.165
Aerostatics	engineering 629.141	Agave fibers		633.577
physics	533.6	Age		
Aerostation	aeronautics 629.15	mental characteristics		136.5
Æschines	Greek oratory 885.5	of animals	zoology	591.139
Æschylus	drama 882.1	zootechny		636.08116
Æsop	fables 888.6	despots	Ital. hist.	945.05
Æsthetics, <i>see</i> Esthetics		legislators	pol. sci.	328.331
Æther, <i>see</i> Ether		man	physiology	612.68
Æthiopia	ancient history 939.78	somatology		573.3
"Ætna"	Latin poem 871.7	statistics		312
Ætolia	ancient history 938.3	plants	grafting	631.5412

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index.

Age		
of pupils		379.14
readers		024.11
the world		550.1
voters		324.11
school		379.14
therapeutics		615.54
Aged		
cookery for	dom. econ.	641.563
diet for		613.21
homes for	architec.	725.56
	institutions	362.6
Agencies		
domestic servis		647.2
employment	pol. econ.	331.86
	Y M C A	267.3562
student aid		378.364
teachers		371.145
Agents, consular		341.8
external	therapeu.	615.77
geologic		551.9
law		347.4
Ages, archeologic		571
geologic		551.7
Agglutinants	bldg	691.5
	engin.	620.15
	physiology	612.11144
Agglutination	philology	401
Agiotage	stock exchange	332.6
Agnosticism	nat. theol.	211
	philosofy	149.7
Agnostics	relig. heresy	273.8
Agnus Dei	music	783.22
Agrarian laws		
political science		333
Roman history		937
Agreements	bilding	692.4
	ethics	174.7
	law	347.4
Agricola, M.	Ger. poetry	831.41
Agricultural		
banks	pol. econ.	332.311
botany		630.28
chemistry		630.24
classes	pol. econ.	331.8
colleges		630.711
colonization		325
colony	laboring classes	351.8
credits	banking	332.311
experiment	stations	630.72
geology	agriculture	630.25
	econ. geol.	553.6
implements		631.3
insurance		368.5
law		347.2

Agricultural		
machinery		631.3
pests	agriculture	632
	zoology	591.69
products	pol. econ.	338.1
societies		630.6
system	pol. econ.	330.1
Agriculture		630
cooperativ		334.6
departments of		630.61
gov't relations		351.823
indians		970.6
rent of land		333.5
Agrippa	medieval phil.	189.5
Agrostideae	grass crops	633.285
¹ Aguascalientes, Mex.	hist.	972.4
Ague	diseases	616.936
Aguirre	sheep, Spanish	636.366
Aid		
societies	charitable	361
	cooperation	334
	student	378.362
state, to	education	379.12
	libraries	021.83
to the injured		614.88
Aides de camp	mil. sci.	355.33
¹ Aidin, Asia	Turk. hist.	956.2
Aids		
mil. science		355.33
to digestion	therapeu.	615.734
readers	lib. econ.	028.8
	ref. work	025.5
Ailerons	aeronautics	629.181
Ailes	library bldgs	022.434
Aim of college and university		378.01
	education	370.1
¹ Ain, France	history	944.44
Air		
abnormal	physiology	612.2231
analysis	chemistry	543.7
baths, hot	hygiene	613.46
bladder	comp. anat.	611.29
	phys.	612.767
brakes	railway eng.	625.2
cocks	steam eng.	621.18479
compressors	mech. eng.	621.51
comprest, <i>see</i>	Comprest air	
confined, respiration in		612.233
disinfection	cont. dis.	614.48
ducts	ventilation	697.9
engins	mech. eng.	621.4
expired	physiology	612.231
gun	mil. engineering	623.4422
	mech. trades	683
hygiene		613.1

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Air		
in towns	pub. helth	614.78
layering	agriculture	631.5344
liquid	physics	533.2
machines	refrig.	621.575
mesology		612.014464
meteorology		551.5
normal	physiol.	612.2208
operations	Great war	940.44
passages	anatomy	611.2
	diseases	616.2
	physiology	612.2
plants	lichens	589.1
	orchids	584.15
pneumatics		533
pollution	by cemeter.	614.652
	pub. helth	614.7
pressure of	meteorol.	551.54
pump		533.5
residual	physiology	612.24
soil physics	agriculture	631.433
spaces	pub. helth	614.783
transport	sociol.	387
	useful arts	629.13
ventilation		628.8
Aircraft		
hevier than air		629.17
lighter	" "	629.15
Airships	engineering	629.154
	military engin'g	623.74
	theory	533.6
Airsickness		
aeronautics		629.145
physiology		612.27511
Airways	aeronautics	629.145
	mining engin'g	622.45
Airy's theory	geodesy	526.14
Aisles	library bldgs	022.434
¹Aisne, France	history	944.34
Aix-la-Chapelle		
international congress		341.1
treaties		341.2
Akenside, M:	Eng. poetry	821.62
Akkad	ancient history	935.4
¹Akron, O.	history	977.1361
Alabama		
claims	arbitration	341.6
	Eng. history	942.08
	internat. law	341
	neutrals	341.3
	U. S. hist.	973.722
ship	and Kearsarge	973.754
	privateers	341.3
	U. S. civ. war	973.757
state admission	U. S. hist.	973.54
Alabama, state		
¹ history		976.1
secession	U. S. hist.	973.713
travel		917.61
Aladdin oven		
kitchen equipment		643.338
recipes		641.588
Alamanni, L.	Ital. poetry	851.36
¹Alameda city, Cal.	hist.	979.465
¹ co.	" "	979.465
Alar thoracic artery		611.1341
Alarcon y Mendoza		862.34
Alarms, fire		
local government		352.3
protection of public		614.842
signals		654.7
Alaska		
¹ history		979.8
purchase	U. S. hist.	973.81
travel		917.98
Alba	anatomy	611.824
Albania		
Asia	anc. hist.	939.56
¹ Turkey	mod. hist.	949.6
	travels	914.96
Albanian swine		636.474
Albany		
¹ city N. Y.	history	974.743
convention	U. S. hist.	973.26
¹ co. N. Y.	history	974.742
Albemarle, ship	U. S. civ. war	973.754
Albert 1	German history	943.026
² " "	" "	943.028
¹Albert co. N. B.	hist.	971.531
	nyanza travels	916.76
¹Alberta, Canada	history	971.23
Alberti, L. B.	Ital. essays	854.21
Albertypes		774
Alberus, Eras.	Ger. poetry	831.43
Albicans	anatomy	611.8142
Albigenses	persecutions	272.3
	sect	284.4
	secular hist.	944.023
Albigensian sheep		636.3467
Albinism	animals	591.157
	dermatology	616.55
Albuginea	anatomy	611.6313
Albuminoid		
derivates, nonnitrogenous		
physiol		612.398197
substances, dialysis of		
physiol.		612.3824
Albuminoids		
gastric digest.	physiol.	612.3224
in blood	"	612.124

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- Albuminoids**
 in milk physiol. 612.66414
 muscles " 612.74414
 intestinal digestion 612.3324
 physiologic chemistry 612.015348
 physiology 612.398
 quantity in food and tis. 612.3987
 transforma. in organism 612.3982
 tryptic digestion 612.3424
 vegetable physiology 612.39815
Albuminoses physiology 612.39817
Albumins
 in blood physiology 612.124
 nutrition 612.398
Albuminuria
 physiologic 612.461269
 toxic physiology 612.4642
 urin in " 612.46622
Albumose physiology 612.39817
Alchemy 540.1
Alciphron Greek letters 886.2
Alcohol
 as a food physiology 612.3931
 cooking appliances 643.335
 denatured chem. tech. 661
 engins engin'g 621.43424
 heat cookery 641.585
 heating prac. chem. 542.43
 hygiene 613.81
 narcotic poisons 615.964
 physiologic psychology 612.82144
 stimulants 615.711
 stoves kitchen equip. 643.335
 tractors agriculture 631.3722
Alcoholic
 drinks ethics 178
 physiology 612.3931
 ferments phys. chem. 612.015161
 liquors manufacture 663
 temperance 178
Alcoholism diseases 616.861
Alcohols organic chem. 547.3
¹Alcona co. Mich. hist. 977.479
Alcoran Mohammedanism 297
Alcott, A. B. moral gov. 371.58
 L. M. Am. fiction 813.41
Alcoves lib. bildings 022.422
Alcyonaria zoology 593.62
Aldehydes organ. chem. 547.5
Aldermen local gov't. 352.0
Alderney cattle 636.2242
 iland travel 914.234
Aldine editions rare books 094
Aldrich, T. B. Am. fiction 813.44
- Aleardi, A.** Ital. poetry 851.81
Alembert, J. Le R.d' 844.53
Alembics prac. chem. 542.48
¹**Aleppo, Asia** Turk. hist. 956.8
Alert, ship Am. revol. 973.363
Ales manufacture 663.3
¹**Aleutian ilands** history 979.8
Alexander 2 Rus. " 947.08
 3 " " 947.08
¹**Alexander co. Ill.** hist. 977.3999
Alexandria, Egypt
 ancient history 932
 ¹ modern " 962.1
 travels 916.21
Alexandrian
 Greek dialects 487.2
 library 027.032
 philosofy 186.4
Alfa fibers 633.583
Alfabet
 elementary education 372.4
 English orthograpy 421.1
 ³ other languages
Alfabetic
 subject catalog 025.3
 classification 025.4
Alfabetico-clast
 catalog cataloging 025.3
 catalogs 019
Alfabeting cataloging 025.3
Alfabetas ornamental 745
 philology 411
Alfalfa agriculture 633.31
Alfieri, V. Ital. drama 852.64
Alfonso 10 Span. lit. 868.11
 11 " " 868.14
 12 " history 946.08
 13 " " 946.08
Alfred the Gt Ang.Sax.lit. 829.7
Algæ botany 589.3
Algaroba fruit culture 634.462
Algarotti, F. Ital. poetry 851.58
Algebra
 higher 512.8
Algebraic logic 164
¹**Alger co. Mich.** history 977.493
¹**Algeria, Africa** " 965
Algerine sheep 636.386
 war Alg. hist. 965
 U. S. " 973.53
¹**Algiers, Africa** history 965
 travels 916.5
¹**Algoma district, Ont.** hist. 971.313
Algrafy lithograpy 763

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Alhambra	architecture	723	¹ Allegheny City Pa. hist.	974.887
	history	946.8	¹ co. " "	974.885
Alien act	U. S. history	973.44	Allegiance	Eng. priv. law 347.1
	laws	341.5		internat. law 341.5
	races	citizenship 323.63		naturalization 323.62
Alienation of territory		320.127		political science 320.158
Alienism	mental pathol.	132	⁵ Allegories	Eng. literature 828
Aliens				religious 244
	international law	341.5	¹ Allen co. Ind.	history 977.274
	naturalization	323.62		travels 917.7274
	owners of land	pol. econ. 333.4	¹ Mich.	history 977.414
Alighieri, Dante	Ital. poet.	851.15	¹ O.	" 977.142
Alignment of sewers		628.218		shorthand system 653.57
Alimentary canal			Allergy	medicin 615.37
	anatomy	611.3	Alliance	
	physiology	612.3		Evangelical 206
	sympathetic system	612.898		Holy treaties 341.2
Alimentation				ship Amer. revol. 973.357
	calorimetry	612.5121	Alliances	internat. law 341.2
	forced hygiene	613.23		pol. science 321.022
	relations to glycogenesis	612.3529	¹ Allier, France	history 944.57
Alimony law		347.6	Allies	
Alignment of sewers		628.218		Entente Great war 940.332
Alismaceæ	botany	584.72		Teuton " " 940.334
Alkalies	chemic technol.	661.3	Alligation	arithmetic 511.8
	chemistry	546.31	Alligator pear	634.653
Alkalimetry	quan. anal.	545.2	Alligators	598.14
Alkaline			Alliteration	prosody 416
	accumulators elec. eng.	621.356		rhetoric 808
	earths chemistry	546.4	Alliterativ poems	Eng. 821.1
	poisons therapeutics	615.922	Allodium	land ownership 333.3
	waters econ. geology	553.71		law 347.2
Alkaloidal plants	agric.	633.7	Allopathy	medicin 615.5
Alkaloids			Allotment system	333.5
	drugs mat. med.	615.336	Allotropism	chemistry 541.7
	physiological psychology	612.82141	Alloys	manufactures 671
	ptomains	612.398195		tests 620.18
Alkoran	Mohammedanism	297		theoretic chem. 541.4
All fools day	customs	394	Allspice	agriculture 633.831
All hallow eve	"	394	Alluvium	geology 551.35
All Saints	Ang. festivals	264.031	Almanacs	
All Souls	" "	264.031		for teachers 370.59
¹ Allamakee co. Ia.	hist.	977.733		general 529.5
Allantoin	physiology	612.461263		nautic 528
Allantois				statistical 310
	embryology	611.01382	Almond nuciculture	634.55
	pedicle of anatomy	611.622		<i>See also distinguishing names</i>
Allatoona, Ga.	U.S.civ.war.	973.7372		nucleus anatomy 611.81314
¹ Allegany co. Md.	hist.	975.294	Almqvist, K.:J.L. Sw.	poetry 839.7166
	travels	917.5294	Alms	ethics 177.7
¹ Alleghany N. Y.	hist.	974.784	Almshouses	362.5
¹ crest W. Va.	history	975.48		architecture 725.55
	travel	917.548		pauperism 339
	mountains travels	917.5	Aloe fiber	633.5774

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- Aloes poisons 615.93
 Alopecia dermatology 616.54
 Alpaca domestic animals 636.296
 fabrics dom. econ. 646.13
¹Alpena co. Mich. history 977.481
 travels 917.7481
¹Alpes Basses, France hist. 944.95
¹ Hautes " " 944.97
¹ Maritimes " " 944.94
 Alphabet, etc. *see* Alfabet
 Alphen, H. van Dutch poet. 839.3147
¹Alpine co. Cal. hist. 979.443
 goat 636.3936
 plants botany 581.9494
 strawberry 634.753
 travels 914.94
¹Alps Swiss geology 554.94
 travel 914.94
¹Alsace French history 944.383
¹Alsace-Lorraine French hist. 944.38
 Germ. hist. 943.44
 Alsatian poultry 636.538
 Alsinææ botany 583.154
 Alsop, George Am. satire 817.12
 Richard " poetry 811.25
 Altar cloths sac. ornam. 247.7
 Altars architec. accessor. 729.91
 ecclesiology 246.6
 Alt-azimuth instruments 522.42
 Alterations butter 637.26
 milk 637.16
 Alternate generation zool. 591.163
 Alternating current
 action on organisms 612.0144245
 arc light elec. eng. 621.32552
 electrophysiol. technic 612.0144215
 machinery elec. eng. 621.3133
 traction lines " " 621.33143
 Alternativ
 vote suffrage 324.224
 Altitude
 imponderable remedies 615.835
 physiologic effects 612.2751
¹Alton, Ill. history 977.386
 riot U. S. history 973.57
¹Altoona, Pa. history 974.876
 Altruism ethics 171.8
 Aluminum
 in articles of dress 646.19
 inorganic chemistry 546.66
 metallurgy 669.7
 Alumnae associated 376.66
 Alumni associated 378.068
 biography 378
- Alveolar limbus anatomy 611.71641
 Alwato universal lang. 408.9
 Amadeus Spanish hist. 946.08
 Amadis de Gaula Span. fict. 863.22
¹Amador co. Cal. history 979.442
 Amalgamated pigeons 636.59628
 Amalgamation metallurgy 669.2
 Amalgams manufactures 671
 Amanuenses shorthand 653.043
 Amarantaceæ botany 583.913
 Amaryllideæ " 584.25
 Amateur
 cataloging 025.3
 manuals mech. trades 680
 theatricals amusements 793
 ethics 175.2
 Amaurosis diseases of eye 617.73
 Amazon river travel 918.1
 Amazons customs 396.9
 Ambari hemp 633.563
 Ambassadors internat. law 341.7
 pol. science 327
 Amber
 geology 553.29
 jewelry 391.7
 mineralogy 549.8
 Ambidexterity 612.763
 Ambiguous nucleus anat. 611.81875
 Ambra, F. d' Ital. drama 852.35
 Ambrosia antiquities 913.38
 mythology 292
 Ambrosian chant ecclesiol. 246.8
 music 783.5
 Ambrotype 772
 Ambulances 614.881
 for contagious diseases 614.882
 Ameboid cells physiology 612.112
 Amendments U. S. const. 342.731
 America
 discovery 973.1
 Norwegian 948.02
¹ history 970
 travel 917
¹ Central history 972.8
 travel 917.28
¹ North history 970
 travel 917
 other topics *see* table 1
¹ Russian history 979.8
 travels 917.98
¹ South history 980
 travel 918
 American
 aborigines 970.1
 antiquarian society 913.7

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

American		American	
antiquities	913.7	Spanish war U. S. hist.	973.89
art galleries	708.1	statutes law	345
auxiliaries in revolution	973.346	swine	636.481
beef cattle	636.282	trotter	636.128
bibliografy	015.7	turkey	636.59211
biografic dictionaries	920.07	wars, society of	369.118
black currants	634.7232	water cress	635.562
buffalo ¹	636.2921	Americana history	970
chestnut	634.532	Americanisms	427.9
civil war U. S. hist.	973.7	Americanization	325.73
colleges	378.7	Amerigo Vespucci	973.16
colonies history	973.2	Ames, Fisher Am. oratory	815.22
constitution	342.731	*Amharic language	492.8
constitutional history	342.739	Amherst college	378.744
copyright leag	655.63	Amic acids organ. chem.	547.8
cyclopedias	031	Amicis, E. d' Ital. misc.	858.82
dairy cattle	636.283	Amideo fishes	597.4
draft horse	636.158	Amidic acids physiology	612.398192
ducks	636.59781	Amids organic chem.	547.8
gooseberry	634.727	Amiens, peace of treaties	341.24
hereditary societies	369.1	Amins organic chem.	547.8
Holderness cattle	636.2831	Amistad case U. S. hist.	973.57
independence U. S. hist.	973.313	Ammergau passion play	792
indians	970.1	Ammeters elec. eng.	621.3744
languages North Am.	497	Ammirato, S. Ital. essays	854.46
South Am.	498	Ammonia	
literature	810	absorption machin.s	621.573
newspapers	071	chemic technology	661.3
painting	759.1	compounds physiol.	612.398194
party	329.5	compression machines	621.572
patriotic societies	369.1	fertilizers agric.	631.841
periodicals	051	salts chem. tech.	661.5
philosofers biografy	921.1	stimulants	615.711
philosofy	191	Ammonite agriculture	631.848
plan meal systems	642.52	Ammoniums org. chem.	547.8
poetry	811	Ammunition	
poets biografy	928.11	chests ordnance	623.4315
political parties	329	military engineering	623.45
poultry	636.581	ships shipbiling	623.826
P. E. church	283.7	Amnesty	341.3
prisons Amer. revol.	973.372	Annion embryology	611.01383
private law	347	pregnancy	618.37
rebellion U. S. history	973.7	Amniotic fluid	
revolution		embryology	611.013835
Canada history	971.024	physiology	612.649
children of	369.137	Amoeboid cells physiol.	612.112
daughters of	369.135	Amorfous state chem.	541.7
sons of	369.133	Amory, T: Eng. humor	827.62
U. S. history	973.3	Amos, book of Bible	224.8
sheep	636.3681	Ampelideæ botany	583.279
saddle horses	636.13	Ampère-hour meters eng.	621.3844
slavery	326	Amphiarthrosis anatomy	611.7294
		Amphibians	597.6

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Amphictyonic council	938	Analysis	
Amphipods zoology	595.37	combinatory algebra	512.5
Amphitheater		diophantin "	512.23
antiquities	913.376	electro chemistry	544.9
architecture, ancient	722.7	fertilizers agriculture	631.818
modern	725.82	gas chemistry	544.4
Amputation surgery	617.94	grammar English	425.3
¹ Amsterdam history	949.2	³ other languages	
travels	914.92	logic	160
Amusements	790	microscopic	578
children's dom. econ.	649.5	milk adulterations	614.321
ethics	175	agriculture	637.1277
hygiene	613.74	chemistry	543.2
of laboring classes	331.84	mineralogy	549.1
school	371.74	polariscopic chem.	544.7
Sunday	263.6	qualitativ chem.	544
Amygdalin nutrition	612.396175	quantitativ chem.	545
Amygdaloid tubercle anat.	611.81314	soil hygiene	614.771
Amyloids nutrition	612.398146	soils	631.42
histology	611.01884	sounds acoustics	534.4
Amyolytic ferments phys.	612.01515	spectrum astronomy	522.67
Amyotrophy physiology	612.7465	chemistry	544.6
¹ Ana English literature	828	optics	535.84
literature	808.8	water biol. hygiene	613.34
Anabaptists sects	284.3	chemistry	543.3
Anacanthani zoology	597.5	micros. hygiene	613.33
¹ Anacapa, Cal. hist.	979.492	Analysts, public adulter.	614.3
Anacardiaceæ botany	583.292	Analytic	
Anacardiaceous fruits	634.44	chemistry	543
Anacreon Greek poetry	884.3	geometry	516
Anaemia, <i>see</i> Anemia		trigonometry	514.5
Anaerobic cells physiol.	612.01411	¹ Anam, Asia history	959.8
¹ Anagrams Eng. literature	828	Anaphylaxis medicin	615.37
pseudonyms	014	Anarchism socialism	335
Analgesics therapeutics	615.783	Anastatic printing	655.22
Analogous projections		Anastomotica magna artery	
descriptiv geometry	515.2	elbow anatomy	611.1342
Analogy		knee "	611.13785
comparativ anatomy	591.4	Anathema church discip.	262.9
English language	422.1	Anato buttermaking	637.26
³ other languages		Anatolian sheep	636.385
logic	169	swine	636.474
plants	581.4	Anatomy	
theology	219	animal zootechny	636.0891
Analysis		anthropologic	611.014
air chemistry	543.7	art	743
arithmetic	511.5	comparativ medicin	611.019
blowpipe chemistry	544.3	plants	581.4
botanic	581	zoology	591.4
butter	637.227	dental	611.314
capillary chemistry	544.92	descriptiv animals	591.7
cheese	637.327	plants	581.7
chemic	543	human	611

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Anatomy		
laws public helth	614.22	
paleontologic	611.016	
pathologic	616.078	
regional	611.9	
Anaxagoras Gk filosofers	182.8	
Anaximander " "	182.1	
Anaximenes " "	182.1	
Anclot, J. A. F. P. Fr. lit.	842.74	
Ancestrv evolution	575.1	
genealogy	929.1	
mental science	136.3	
spirit. heredity	233.3	
traductionism	129.2	
Anchor		
boring architecture	721.152	
engineering	624.1552	
ice physical geol.	551.31	
Anchorage bridgebilding	624.57	
Anchors,landing aeronautics	629.167	
plumbing	696.7	
shipbilding	623.86	
Ancient		
architecture	722	
countries description	913.3	
customs	913.3	
customs and costume	390	
geografy description	911.3	
history	930	
law	349.3	
maps	912.3	
music	781.8	
filosofers biografy	921.9	
filosofies	180	
science	502	
sculpture	732	
student societies	371.836	
therapeutics	615.89	
Ancients, council of		
French legislature	328.44	
revolution	944.045	
Ancona poultry	636.554	
Anconaeus muscle anat.	611.73725	
¹ Andalusia, Spain history	946.8	
travel	914.68	
Andalusian fowls	636.564	
Andersen, H. C. Dan. fict.	839.8364	
¹ Anderson, Ind. history	977.257	
Andersonville pris. U.S.hist.	973.7711	
Andes description	918	
Andesite lithology	552.26	
Andocides Gr. oratory	885.1	
¹ Andorra history	946.7	
André, John Am. revol.	973.386	
biografy	923.542	
Andrea, J. V. Ger. poetry	831.47	
Andreini, G. Ital. drama	852.53	
¹ Andrew co. Mo. history	977.8126	
Andrieux, F.G.J. S. Fr. lit.	842.65	
Andronicus, L. Lat. "	872.1	
Andropogonae grass crops	633.282	
Andros, Edmund U.S. hist.	973.24	
¹ Androscooggin co. Me. hist.	974.18	
trav.	917.418	
Anecdotes		
legal	340.9	
library	020.88	
miscel. Eng. literature	828	
personal, see Biografy		
religious	244	
table	642.48	
on spec. topics, see subjects		
Anemia		
cardiac physiology	612.1721	
cerebral "	612.8244	
diseases of blood	616.15	
nervs physiology	612.8164	
quantity of blood	612.1162	
reflexes physiology	612.83393	
Anemometer meteorology	551.51	
Aneroid barometer	533.4	
Anesthesia diseases	616.856	
physiology	612.887	
Anesthetics		
effect on hart physiol.	612.1742	
mesology	612.014465	
physiologic psychology	612.82142	
therapeutics	615.781	
Aneurism pulmon. disease	616.247	
surgery	617.41	
Angels	235	
Anger ethics	179.8	
Angevin architecture	723.44	
sheep	636.3446	
swine	636.443	
Angina pectoris diseases	616.12	
Angiocarpæ botany	589.16	
Angiulieri, C. Ital. satire	857.13	
Angle, facial craniology	573.7	
visual physics	535.7	
physiology	612.84362	
Angles		
crystallografy	548.7	
mesurement of astron.	526.93	
strength of materials	620.11282	

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Anglesey cattle	636.2236	Animal	
¹ history	942.91	diseases	medicin 619
Anglican church			pub. helth 614.93
biografy	922.3		zology 591.2
brotherhoods	271.8		infectious pub. helth 614.91
chant music	783.5	electricity	mind and body 134
creed	238.3		physiology 612.014423
missions	266.3		zology 591.57
ordination	262.17	fats	chem. technology 665.2
persecution by, Eng. hist.	942.055	food	domestic econ. 641.3
relig. hist.	272.7		hygiene 613.28
of Eng. "	942.054		physiology 612.3928
relig. "	272.6		preservation 664.9
religious hist. of Eng.	274.2		zootechny 636.0876
ritual	264.03	forms	decorat'n, painted 729.42
sects	283		relief 729.52
sisterhoods	271.98	grafting	comp. physiol. 612.602
Anglicisms English lang.	427	heat	physiol. zology 591.11
Angling	799		physiology 612.5
Anglo-catholics	283	instincts	comp. physiol. 612.821313
Anglo-Saxon		irritant poisons	615.94
emigration	325.242	kingdom	590
foren relations	327.73	life	painless extinc. of 614.971
history	942.01	magnetism, <i>see</i> Animal elec-	
homilies	829.5	tricity	
language	429	motors	engineering 621.46
literature	829	oils	chem. technology 665.2
poetry	829.1	parasites	diseases 616.961
race characteristics	136.4		zology 591.69
Anglomania customs	390	plagues	vet. med. 619
¹ Angola, Africa history	967.3	power agriculture	631.3712
sheep	636.386	residues	fertilizers 631.843
¹ Angora, Asia Turk. hist.	956.3	species and respiration	612.229
goat	636.3985	stories	zology 591.5
Angoulême, house of		<hr/>	
French history	944.028	substances	chem. anal. 543.9
Anguilla zology	597.5		engin'g 620.198
Angular perspectiv geom.	515.61	trades	air pollution 614.74
drawing	742	worship	nonchr. relig. 290
Angus doddie cattle	636.2231	Animalculæ	593
¹ Anhalt, Germany history	943.19	Animals	590
Anharmonics		agents of geol. work	551.95
analytic geometry	516.56	Bible	220.859
geometry	513.56	care of	animal hygiene 614.94
Anhydrids organic chem.	547.7	carriers of diseases	614.43
theoretic "	541.4	cruelty to	ethics 179.3
Anhydrous		ded	air pollution 614.763
silicates mineralogy	549.61	diff. fr. plants	biology 577.5
sulfates "	549.75		physiol. 612.0135
Anilin colors chem. tech.	667.2	diseases	pub. helth 614.93
Animal			vet. medicin 619
chemistry analysis	543.9		zology 591.2
organic chem.	547	domestic	636
		electric	comp. physiol. 612.771

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Animals			
evolution		575	
feeding	animal hyg.	614.95	
	zootchny	636.084	
folklore		398.4	
geografic distribution		591.9	
hibernating		612.58	
hygiene	pub. helth	614.9	
inanution		612.3919	
insurance		368.5	
intelligence	zoology	591.5	
localization in			
	comp. physiol.	612.82525	
locomotion	comp.phys.	612.767	
	zoology	591.47	
menageries		590.7	
mind in		591.51	
mythology		291	
organs of sound			
	comp. physiol.	612.786	
painting		758	
paleontology		560	
parasitic	econ. zool.	591.69	
phosphorescent			
	comp. physiol.	612.772	
plants injurious to		632.59	
psychology	zoology	591.51	
ration	comp. physiol.	612.3943	
	subsistence	612.39523	
	working	612.39513	
remains	early stone age	571.13	
	late " "	571.23	
reviviscent	mesology	612.0144611	
scent glands	comp. phys.	612.493	
	econ. zool.	591.66	
	phys. "	591.144	
symbolic	religious art	246.5	
traind		791	
transportation	hygiene	614.96	
uric acid in	comp. phys.	612.461254	
vocal organs	" "	612.786	
Animation, suspended med.		616.206	
Animism	metaphysics	128	
Anis	agriculture	635.75	
¹ Anjou, France	history	944.18	
Ankle			
anatomy		611.985	
bone	anatomy	611.71871	
joint	"	611.7284	
Annapolis			
¹ city, Md.	history	975.256	
	travels	917.5256	
¹ co. N. S.	history	971.633	
Anne, Queen	architecture	724.5	
	Eng. hist.	942.069	
¹ Anne Arundel co.Md.	hist.	975.255	
Annealing			
manufactures		671	
molecular physics		539.54	
Annelida	worms	595.1	
Anne's, Queen, war	U.S.hist.	973.25	
Annexation	intern. law	341	
	pol. sci.	320.1265	
Annihilation	doctrins	237.3	
	nat. theology	218	
Anniversaries			
of invention of printing		655.12	
student life		371.89	
U. S. history	civil war	973.76	
	Mex. "	973.626	
	revolution	973.36	
	Span. war	973.896	
	war of 1812	973.526	
Annotations			
by readers	lib. econ.	024.81	
for readers		028.8	
Announcement			
of vote	elections	324.268	
Annals, statistical		310	
	special, see subject		
Annuities			
insurance		368.31	
mathematics		519.5	
public finance		336.35	
Annunciation, feast of			
	Anglican ch.	264.031	
Annunciators	signals	654.7	
Anodynes	therapeutics	615.78	
Anointing	sacraments	265	
Anomala	botany	583.297	
Anomali	"	583.98	
Anomalies	anat.	611.012	
Anomodontia	reptils	598.17	
Anonaceæ	botany	583.115	
Anonaceous fruits	agric.	634.41	
Anonyms	bibliografy	014	
Anopheles, see Mosquitoes			
Ansa			
lenticularis	anat.	611.8147	
peduncularis	"	611.8147	
¹ Ansayrii	history	955	
Anselm	medieval philos.	189.4	
Anselm, H.	Ger. fiction	833.53	
Anslo, Reyer	Dutch poet.	839.3135	
Ant	insects	595.79	
	pests	632.79	
Antacids	aids to diges.	615.7343	
Antagonism of medicins			
	therapeutics	615.52	

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- Antarctic
 current ocean currents 551.47
 explorations travels 919.9
 ocean physical geog. 551.469
 regions travel 919.9
 Ante-Nicene church 100-325 281.3
 Antennae animals 591.48
 wireless teleg. 621.38435
 Ante-reformation relig.hist. 270.5
 Anterior poliomyelitis, *see*
 Paralysis, infantil
 Anterolateral column of spinal
 cord anat. 611.825
 Anthelmintic drugs therap. 615.733
 Anthems music 783.4
 pub. worship 264.2
 religious poetry 245
¹Anthologies Eng. lit. 820.8
 Anthracene org. chem. 547.28
 Anthracite
 economic geology 553.25
 fuel dom. econ. 644.22
 engineering 621.1822
 metallurgy 669.8
 Anthracosis diseases 616.24
 Anthrax public helth 614.561
 Anthropoid apes zoology 599.8
 Anthropologic anatomy 611.014
 Anthropology
 mind and body 130
 natural hist. of man 573
 religious doctrin of man 233
 Anthropometry 573.6
 Anthropomorphism
 metaphysics 125
 Anthropophagy cannibalism 399
 Antiburghers sects 285.6
 Anti-Christ 235
 Anticlinal strata geology 551.86
 Anticlisis comp. psych. 612.821311
 Anticorn law leag 337.2
¹Anticosti island, Que. hist. 971.417
 Antidotes materia medica 615.9
 Antietam, Md.
 battle U. S. civ. war 973.7336
 Antifebrin therapeutics 615.75
 Antifederal party 329.2
¹Antigonish co. N. S. hist. 971.614
¹Antilles history 972.9
 travel 917.29
 Antimasonry 366.1
 Antimission baptists 286.4
 Antimonates mineralogy 549.72
 Antimonids mineralogy 549.3
- Antimony chemistry 546.86
 ores 553.47
 Antinomianism 273.6
 Antipatharia zoology 593.64
 Antiperiodics therapeu. 615.75
 Antiphonal
 choral servis music 783.24
 readings public worship 264.4
 Antiputrefactiv properties of
 gastric juice physiol. 612.3225
 Antipyretics therapeu. 615.75
 Antipyrin " 615.75
 Antiquarian societies 913
 Antiquarians' lives 923.9
 Antiquities
 biblical 220.93
 classic 913.38
 countries 913
 customs 390
 Jewish antiquities 913.33
 history 933
 religion 296
 legal 340.3
 prehistoric archeology 571
 see also special subjects
 Antiquity of man 573.3
 Antitrust processes bldg 691.7
 tests engin'g 620.1122
 Antiseptics
 agriculture 632.953
 mesology 612.014466
 obstetrics 618.89
 public helth 614.482
 therapeutics 615.778
 Antislavery
 documents 326.4
 periodicals 326.5
 societies 326.6
 U. S. history 973.7111
 Antisthenes Greek phil. 183.4
 Antistrophe
 English prosody 426.7
 Greek prosody 486.7
 ³ other languages
 Antitoxic
 action of liver physiol. 612.3542
 Antitoxins
 digestion 612.31451
 in blood physiology 612.11821
 nutrition 612.3988
 Antitrinitarians heresies 273.4
 unitarians 288
 Antivaccination pub. helth 614.474

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Antivivisection, <i>see</i> Vivisection	
Antonides Dutch poetry	839.3137
¹ Antrim co. Ireland history	941.61
¹ Mich. "	977.485
Ants insects	595.79
pests	632.79
white "	595.73
¹ Antwerp history	949.3
travels	914.93
pigeons	636.59635
Anura batrachia	597.8
Anus anatomy	611.352
diseases of	616.35
Anvil anatomy of ear	611.857
Anvils blacksmithing	682
³ Aorist Greek etymology	482.8
syntax	485.8
Aorta	
abdominal anatomy	611.136
anatomy	611.132
thoracic anatomy	611.135
Aortic	
arch anatomy	611.1321
valvs "	611.12652
Apartment	
and offis bildings	725.22
houses architecture	728.2
dom. economy	647.92
Apatite economic geol.	553.64
fertilizers	631.851
mineralogy	549.72
Apes zoology	599.8
Apetalæ botany	583.9
Aphasia	
diseases	616.855
localization of speech	612.825249
mental derangements	132.8
vocal physiology	612.7893
Aphelion astronomy	521.3
Aphids pests	632.75
Aphonia diseases	616.22
¹ Aphorisms Eng. literat.	828
folklore	398.9
Apiary bees	638.1
Apnea physiology	612.2842
Apocalypse	228
Apocarpæ botany	584.7
Apocrypha	229
Apocryphal gospels Bible	229.8
Apocynaceæ botany	583.72
Apoda zoology	593.98
Apogee moon	523.33
tides	525.63
Apollo Belvedere sculpt.	733
worship	292
Apollonius Rhodius Gk lit.	883.3
Apologetics theology	239
Apomorphin emetics	615.731
Apoplexy diseases	616.81
Apostasy heresies	273
Apostles	
acts of	226.6
creed	238.1
lives scriptural biog.	225.92
Apostolic	
age apologetics	239.1
canons apocrypha	229.9
Catholic sect	289.9
church	281.1
persecutions	272.1
constitutions	281.1
epistles	229.9
fathers	281.1
period religious hist.	270.1
succession	262.111
Apothecary	615.4
¹ Apothems Eng. literature	828
folklore	398.9
¹ Appanoose co. Ia. hist.	977.789
Apparatus	
buttermaking	637.232
care of milk	637.132
cheesemaking	637.332
manufacture	681
physical	530.7
practical chemistry	542.2
protectiv agriculture	632.94
see also special subject	
Apparent motion earth	525.38
sun	523.73
time	529.1
Apparitions	133.1
Appeal voting procedure	324.243
Appellate proceedings law	347.9
Appendages of embryo	
embryology	611.0138
physiology	612.644
Appendicitis diseases	616.34
surgery	617.55
Appendix	
vermiform anatomy	611.3452
physiology	612.363
Appendixes, nerv histol.	611.01883
Appenzell goat	636.3938
Appetite physiology	612.3913

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Appetites	mental facul.	158	April 19, anniv.	Am. revol.	973.362
	temperance	178	Aprons	domestic econ.	646.48
Appian way	Roman antiq.	913.37	Apulia, It.	ancient hist.	937.7
Apple			1	modern "	945.75
culture		634.11		travels	914.575
custard		634.415	Aquaria		590.7
Jamaica		634.413	Aquataca		634.653
Mammee		634.654	Aquatic		
moth		632.78	animals	effect of baro-	
pond		634.414	metric pressure		612.279
rose		634.422	rights	law	347.2
star		634.433		pol. econ.	333.9
sugar		634.412	Aquatint	engraving	766
sweet Otaheite		634.442	Aqueduct of Sylvius	anat.	611.8156
¹ Appleton, Wis.	history	977.539	Aqueducts		
Application			canals		626.2
of fertilizers	agric.	631.816	Roman antiquities		913.376
Applied			waterworks		628.14
arts		600	Aqueductus cerebri	anat.	611.8156
chemistry	chem. tech.	660	Aqueous		
mechanics	mech. eng.	621	erosion	geology	551.35
science	schools	607	humor	anatomy	611.8449
Appiqué work		746		physiology	612.8444
Appointment			rocks	geology	552.5
of civil servis officers		351.1	treatment	prac. chem.	542.6
legislativ officers		328.362	Aquinas	medieval phil.	189.4
legislators		328.3351	Aquivascular		
library officers		023.2	respiration	zoology	591.123
teachers	education	371.142	Arabesques		
Appointments, presidential		353.03	decoration, painted		729.4
Appomattox, Va.	U.S.hist.	973.7384	relief		729.5
Apportionment			design		745
representation		328.3345	piano music		786.42
taxation		336.2	Arabia		
Appraisal of books		028.8	ancient history		939.47
Apprentises			1	modern history	953
duties of	ethics	174.8		travels	915.3
labor	polit. econ.	331.55	Arabia Petraea		
library economy		023.75	ancient history		939.48
Apprentisship	bdg trade	690.7	1	modern "	953.1
	polit. econ.	331.86		travel	915.31
Approach, grafting by		631.54146	Arabian horses		636.11
Approaches	bridgeblding	624.14	sheep		636.385
Approbation	sch. gov't	371.53	Arabic		
Appropriation bills			architecture		723.3
legislativ powers		328.341	discovery of America		973.11
U. S. finance		336.73	4	language	492.7
Appropriations			5	literature	892.7
library finances		025.112	numerals	arithmetic	511.2
support		021.91	philosofy		189.3
Approximations	algebra	512.22	Arabs in Spain	Span. hist.	946.02
Apricot			Arachnida parasitica	ectozoa	616.9685
culture		634.21	zoology		595.4
S. Domingo		634.654			

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Arachnoid			
¹ membrane anatomy	611.8293		
² villi "	611.8193		
¹ Aragon, Spain history	946.5		
Araliaceae botany	583.491		
⁴ Aramaic language	492.1		
Araneida zoology	595.4		
Arantius, venous duct of	611.1497		
Aratus Greek poetry	881.2		
Arbitrage stock exch.	332.6		
Arbitrary			
power absol. monarchy	321.6		
Arbitration			
capital and labor	331.1		
international ethics	172.4		
law	341.6		
law	347.4		
Arblay, F. (Burney) d'	823.66		
Arbor			
day horticulture	715		
schoolcelebrations	371.365		
training agriculture	631.5465		
vitae anatomy	611.81715		
botany	585.2		
Arboretums			
architecture	727.5		
botany	580.7		
Arboriculture forestry	634.9		
land. gard.	715		
Arbors landscape gard.	717		
Arbutnot, J: Eng. humor	827.54		
Arc, Joan of Fr. history	944.026		
Arc			
lighting elec. eng.	621.325		
rectifiers " "	621.31373		
Arcades			
architectural construction	721.26		
design	729.33		
Arcadia Greek anc. hist.	938.8		
Arcani disciplina			
primitiv church	281.1		
Arcesilaus Greek filosofy	186.2		
Arch, aortic anatomy	611.1321		
hinged bridges	624.68		
trussed "	624.7		
Archaean age geology	551.71		
³ Archaisms Eng. language	427		
¹ Archangel, Russia history	947.2		
Archbishops			
ecclesiastic polity	261.12		
lives Anglican	922.3		
Roman catholic	922.2		
Arched constructions arch.	721.4		
Archegony			
biology	576.1		
physiologic zoology	591.16		
Archenteron embryology	611.01335		
Archeology			
ancient description, etc.	913		
Biblical	220.93		
prehistoric	571		
Archery	796		
Arches			
architectural design	729.33		
construction	721.4		
engineering	624.6		
triumphal Rom. antiq.	913.37		
Archilochus Greek satire	887.1		
Archimedes screw physics	532.8		
Archipelago			
¹ East Indian history	991		
Greek ancient history	939.1		
¹ modern "	949.9		
Architectonics, architecture	720.1		
Architects			
liability of bilding	692.9		
lives	927.2		
Architectural			
accessories	729.9		
construction	721		
decoration	729		
design	729		
drawing	744		
Architecture	720		
acoustics	534.84		
military bildings	623.61		
castles	728.81		
fortifications	623.1		
naval bilding	623.8		
engineering	623.8		
plans	692		
warships	623.8		
Architraves arch. constr.	721.86		
Archives, <i>see</i> History, Manuscripts			
of special topic <i>see</i> topic			
Archons Greek history	938		
Archt			
construction architecture	721.4		
bridges	624.6		
Arctic			
currents	551.47		
explorations travels	919.8		
explorers lives	923.9		
ocean physical geografy	551.468		

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- Arctic
 1 regions agriculture 630.0911
 history 998
 travels 919.8
 1Ardèche, France history 944.82
 1Ardenne, France history 944.31
 draft horse 636.1542
 sheep 636.3444
 Ardent spirits
 manufactures 663
 temperance 178
 Ardigò, I. Italian essays 854.85
 Area, occupiable, proportion
 of ground hygiene 614.784
 Areas
 geometry 513.18
 surveying 526.97
 1Arenac co. Mich. history 977.473
 Areola anatomy 611.691
 Areolar tissue anatomy 611.76
 histology 611.01824
 subcut. anat. 611.779
 Areometer spec. gravity 532.4
 Areopagus Greek antiq. 913.385
 Aretino, Pietro Ital. dram. 852.34
 Arezzo, G. d' " poetry 851.12
 Argand lamp chem. tech. 665.6
 dom. econ. 644.323
 Argensola, B. L. Sp. poetry 861.34
 L. " " 861.34
 1Argenteuil co. Que. history 971.423
 Argentina
 administration 354.82
 botany 581.982
 finance 336.82
 geology 558.2
 1 history 982
 maps 912.82
 schools, public 379.82
 statistics 318.2
 travel 918.2
 treaties 341.282
 other topics see table 1
 Argillite geology 552.44
 Argolis Greek anc. hist. 938.8
 Argon inorgan. chem. 546.293
 Argonauts Greek myth. 292
 Argot French language 447.09
 3 other languages
 Argument
 from design apologetics 239
 metaphysics 124
 law 347.92
 logic 168
 Argumentation rhetoric 808
 Argus, ship U. S. war 1812 973.5253
 1Argyll, Scotland history 941.38
 Aria vocal music 784.2
 Ariana, Asia ancient hist. 939.65
 Arianism heresies 273.4
 Arici, Cesare Ital. poetry 851.67
 1Ariège, France history 944.88
 Ariosto, Lodovico It. poet. 851.32
 Aristippus Gk philosophers 183.5
 Aristocracy form of state 321.5
 social classes 323.31
 Aristolochiaceæ botany 583.924
 Aristophanes Gk drama 882.4
 Aristotelian philosophy 185
 Aristotle Greek liter. 888.5
 philosophy 185.1
 Arithmetic
 elementary education 372.7
 mathematics 511
 mechanical 510.8
 political statistics 310
 Arithmetical progression
 algebra 512.6
 arithmetic 511.6
 Arithmometer, instrument 510.8
 Arizona, U. S.
 acquisition Mex. war 973.621
 discovery U. S. hist. 973.16
 1 history 979.1
 travel 917.91
 For mil. hist. see subd. of
 Special campaigns and Military
 history under 973.7 and
 973.89
 Arkansas, U. S.
 admission U. S. hist. 973.56
 1 history 976.7
 For mil. hist. see subd. of
 Special campaigns and Military
 history under 973.52,
 973.7 and 973.89
 secession 973.713
 travel 917.67
 Arm
 anatomy 611.972
 lymphatics of anat. 611.42172
 muscles " " 611.7372
 Armada, Span. Eng. hist. 942.055
 Span. " 946.04
 1Armagh, Ireland history 941.66
 Armament shipbuilding 623.9
 Armamentaria surgery 617.91
 Armaments ordnance 623.4
 Armature stamps elec. eng. 621.318

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Armatures elec. eng.	621.316	Army	
Armd neutrality inter. law	341.3	life military scienc	355.1
Armenia ancient history	939.55	U. S. civil war, north	973.783
¹ modern "	956.6	south	973.784
Armenian		Great war Cent. allies	940.484
architecture	723.2	Entente "	940.483
church	281.6	lists foren	354
⁴ language	491.54	United States	353.6
⁵ literature	891.54	military science	355
Armies		officials lives	923.5
military engineering	623	organization mil. science	355.31
science	355	posts mil. engineering	623.613
U. S. history civil war	973.74	regular U. S. civil war	973.7411
Mex. "	973.624	regulations	355
revolution	973.34	revivals U. S. civil war	973.778
Spanish war	973.894	Salvation relig. assns	267.15
war of 1812	973.524	United States	353.7
war customs	399	worm agriculture	632.77
Arminian baptists	286.1	Arna cattle	636.293
Arminianism		zoology	591.69
continental prot. sects	284.9	Arnaut, Can. Prov. poet.	849.127
methodism	287	Arndt, E. M. Ger. poetry	831.71
Armistis internat. law	341.3	Arnim, L; A. von" fiction	833.66
Armor		Arnold, Benedict	
fortifications	623.124	Can. exped. Am. revol.	973.3316
plate manufactures	672	in Conn. " "	973.3377
shipbuilding	623.9	naval hist. " "	973.352
war customs	399	treason " "	973.382
Armord vessels mil. eng.	623.9	Arnold, M. Eng. essays	824.85
⁴ Armorican language	491.68	Arnold's ganglion anat.	611.89156
Armories architecture	725.18	Arnulf German history	943.021
mil. eng.	623.48	Aroideæ botany	584.64
Armor-piercing shells	623.4518	Aromatic	
Arms		compounds physiology	612.398195
artificial	617.57	plant products chem. tech.	668.5
coats of college or univ.	378.27	Arondissement Fr. loc. govt	352.0445
heraldry	929.8	Aroostook	
cross elec. engin'g	621.319224	¹ co. Me. history	974.11
gunmaking	683	war U. S. history	973.57
military engineering	623.4	Arrangement	
science	355	of duplicates lib. econ.	025.264
sergeant at	328.3624	words Eng. syntax	425.3
war customs	399	³ other languages	
¹ Armstrong co. Pa. hist.	974.888	Arrearages law	347.7
Army		Arrebo, Anders Dan. poetry	839.8131
and navy union, regular	369.111	Arrest	
British	354.426	civil trials	347.9
chaplains U. S. civ. war	973.778	criminal law	343
cookery dom. econ.	641.573	immunity of legislators	328.348
corps mil. science	355.31	Arresters, see Protectiv	
corps U. S. civ. war	973.7416	devices	
foren countries	354	Arrom, C. B. de F. C.	863.53

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- Arrow
 hed inscriptions 492.1917
 heds, stone prehist. arch. 571.15
 Arrows archery 796
 war implements 399
 Ars signorum univ. lang. 408.9
 Arscidæ history 935.6
 Arsenals architecture 725.18
 military eng. 623.47
 Arsenates mineralogy 549.72
 Arsenic
 drugs 615.219
 inorganic chemistry 546.191
 medical jurisprudence 340.6
 ores 553.47
 poisons 615.926
 Arsenicism toxicology 615.926
 Arsenids inorganic chem. 546.19
 mineralogy 549.3
 Arson criminal law 343
 Art
 anatomy drawing 743
 biography 927
 christian ecclesiology 246
 decorativ furniture 749
 delineation of children 136.757
 education 707
 embroidery 746
 fine 700
 freedom pol. sci. 323.447
 galleries 708
 architecture 727.7
 with libraries 021.48
 gallery library bldgs 022.656
 history 709
 industrial useful arts 600
 interior decoration 747
 material lib. admin. 025.177
 museums inter. affairs 351.853
 needlework 746
 religious 246
 rudiments, prehistoric 571.7
 sacred furniture 247
 schools 707
 studios architecture 727.7
 useful 600
 woman in 396.7
 Arterial blood physiol. 612.113
 Arteries
 anatomy 611.13
 blood pressure 612.143
 vasomotors 612.182
 circulation in physiol. 612.133
 Arteries
 diseases of 616.13
 Artesian wells san. eng. 628.11
¹Arthabaska co. Que. hist. 971.4565
 Arthrodia anatomy 611.72961
 Arthropathy pathology 616.72
 Arthropoda zoology 595.2
 Arthrostraca " 595.37
 Arthur, C. A. presidency 973.84
 Arthurian romances 398.2
 Artichoke edible leaves 635.32
 Jerusalem " tubers 635.24
 field crops 633.494
 Articles
 English syntax 425.6
 Greek syntax 485.6
 other languages
 of confederation 1781-89
 U. S. constitu. hist. 342.73
 history 973.318
 Thirty-nine Ang. creed 238.3
 Articulates paleontology 565
 zoology 595
 Articulatio coxae anat. 611.7282
 Articulations anatomy 611.72
 Artificial
 boundaries pol. science 320.1289
 butter chem. technol. 664.3
 colors " " 667.2
 eyes 617.79
 feeding zootechny 636.08413
 flowers ornam. design 745
 foods physiology 612.3929
 fuel chem. tech. 662.8
 horizons astronomy 522.57
 ice manufacture 621.58
 larynxes physiology 612.783
 light perspectiv 515.63
 lights chem. tech. 665
 dom. econ. 644.3
 electric engin. 621.32
 engineering 628.9
 lib. bildings 022.75
 Hmbs 617.5
 mineral waters ch.tech. 663.6
 respiration physiol. 612.2163
 stone bldg materials 691.3
 chem. technol. 666.8
 piers and colums 721.33
 walls 721.23
 teeth dentistry 617.69
 Artillery
 army department 358.1
 gunnery mil. eng. 623.5

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Artillery			Ashburton treaty	
ordnance mil. eng.	623.4		international law	341.2
U. S. civil war	973.7417		U. S. history	973.58
Artisans biography	926		Ashes	
Artistic furniture	749		fertilizers	631.831
Artists biography	927		removal of sanitation	628.44
¹ Artois, France history	944.27		volcanic lithology	552.22
Artotype photography	774		Ashland	
Arts			¹ co. O. history	977.129
and crafts	740		¹ Wis. history	977.521
trades	600		Ashpits	
fine	700		locomotiv boilers	621.1332
biography of	927		railway engineering	625.16
graphic fine arts	700		steam engineering	621.18355
useful	600		Ashtabula	
biography of	926		¹ city, O. history	977.1341
Arundelmarbles Gkinscrip.	481.7		¹ co. O. history	977.134
Aryan			¹ Ashuanipi co. Que. history	971.419
languages	491		Asia antiquities	913.5
literatures	891		botany	581.95
races ethnology	572.891		geology	555
Asafetida therapeutics	615.789		¹ history	950
Asbestos			statistics	315
economic geology	553.67		travels	915
engineering materials	620.195		Asia Minor	
fabrics domestic econ.	646.19		¹ history, modern	956
roofing	695.7		travels "	915.6
Ascension			Eastern ancient hist.	939.3
of Christ christology	232.5		Western " "	939.2
right theoretic astron.	521.27		Asiatic	
Ascensions			bantams	636.58714
balloon aeronautics	533.6		cholera diseases	616.932
Asceticism	273.2		ducks	636.59785
personal relig.	248		languages	491-495
Ascidia zoology	594.9		eastern	495
Ascites diseases	616.38		poultry	636.585
Asclepiadæ botany	583.73		sheep	636.385
Ascolichenes "	589.15		societies	490.6
Ascomycetes "	589.23		swine	636.485
Aseel fowls	636.58811		Asinari, F. Ital. drama	852.44
Asfalt			Asparagus agriculture	635.31
chemic technology	665.4		Asphalt, Asphaltum, <i>see</i> Asfalt	
economic geology	553.27		Asphyxia pathology	616.206
engineering materials	620.196		physiology	612.232
pavements road engin'g	625.85		surgery	617.18
roofing	695.6		Aspirates Eng. language	421.2
Ash			Greek "	481.2
constituents of food	612.3926		³ other languages	
removers steam eng.	621.18378		Aspiration	
¹ Ashango land history	967.2		pneumatic therapeutics	615.815
travel	916.72		Ass dairy	637.172
¹ Ashanti history	966.7		domestic animals	636.182
			zoology	599.7

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

¹ Assam, India	history	954.1	Asterales	botany	583.53
Assassination	crim. law	343	Asteroidea	zoology	593.92
Assassins	lives	923.41	Asteroids	astronomy	523.44
	Persian hist.	955	Asteropherus, M. O.	Swedish drama	839.7222
Assault and battery	law	343	Asthenopia	accommodativ	617.75
Assaults	military eng.	623.2		muscular	617.76
	sci.	355.44	Asthma	diseases	616.23
Assaying		669.9	Astigmatism	" of eye	617.75
Assembly				physiology	612.8453
legislativ		328	Astragalocalcaneal ligam't		611.72851
rooms	library bldgs	022.651	Astragaloscaphoid	"	611.72851
	school	371.621	Astragalus bone		611.71871
Assent	logic	163	Astringents		
Assessment	civil servis	351.6	external irritants		615.772
	lib. econ.	024.2	Astrolabe	astronomy	522.41
	taxes	336.29	Astrology	astronomy	520.1
Assignats	Fr. finance	336.44		occultism	133.5
	" revolution	944.04	Astronomers	biografy	925.2
Assignments	law	347.7	Astronomic		
Assimilation of food			almanacs	chronology	529.5
animals		591.133	clocks		522.51
man		612.39	determinations	geod.	526.6
plants		581.133	instruments		522
Assistants	dom. econ.	647.2*	maps		524
	lib. "	023.74	observations		522.19
Assize, courts of	law	347.99		maps	524
Associated			photografy		522.63
press	journalism	070.4312	physics		521
study	self education	374.2	Astronomy		520
Association			descriptiv		523
mental faculties		153.2	in relation to geodesy		526.6
physiologic psychology		612.8212	physical		521
public order		351.752	practical		522
Associationalism	philos.	149.4	spheric		522.7
Associations			theoretic		521
bilding	loan inst.	332.32	Astrophysics		523
	cooperation	334.1	Astrophytidae	star fishes	593.94
business	"	334	¹ Asturias, Spain	history	946.1
charitable		361	Asylum		
college		378.06	right of	legal antiquities	340.3
	women	376.66	Asylums		
for supplying teachers		371.145	architecture		725.5
gilds		338.6	hygiene		613.56
labor		331.88	inebriate	architecture	725.65
library benefit		023.59		temperance	178.6
religious	Y. M. C. etc.	267	sociology		362
see also special subject and table 2			Asynchronous		
Assurance		368	machines	elec. eng.	621.3136
Assyria	ancient history	935.2	Atalanta, ship	Am. rev.	973.357
	antiquities	913.352	Atavism	evolution	575.1
	architecture	722.5	Ataxia, locomotor	diseases	616.83
⁴ Assyrian language		492.19			
Astacidae	lobsters	595.36			

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

¹ Atchison co. Mo. history	977.811	Atmosfere	
Athanasian creed	238.1	geologic agent	551.93
Atheism apologetics	239	ground pub. helth	614.773
natural theol.	211	hight of astronomy	523.58
Atheists biografy	922.91	meteorology	551.5
Atheneum libraries	027.2	moon	523.35
Atheneums, Dutch educ.	379.492	pneumatics	533.3
Athenian suprem. Gk hist.	938.04	Atmosferic	
Athens ancient history	938.5	currents	551.51
¹ modern "	949.5	electricity	537.4
travel	914.95	engins pneumatics	533.8
¹ co. O. history	977.197	pressure "	533.4
Athletic		physiology	612.27
clubs hygiene	613.7	railways	625.5
sports amusements	796	roads aeronautics	629.145
hygiene	613.72	vibrations sound	534.1
interschool	371.75	Atolls physical geology	551.96
school hygiene	371.74	Atomic theory	541.2
training hygiene	613.73	weights	541.2
Atlanta		Atomistic filosofy	182.6
campaign U. S. civ. war	973.7371	Atoms stereochemistry	541.6
ship U. S. war of 1812	973.5255	theory	541.2
Atlantic		Atonement christology	232.3
cable, <i>see</i> Telegraf		Atrium middle ear	611.854
¹ co. N. J. history	974.984	Atrocities, <i>see</i> Cruelty	
ocean phys. geografy	551.461	Atrofies	
travel	910.4	muscular physiology	612.7465
squadron U. S. civ. war	973.756	of spinal cord "	612.835
U. S. war with Spain	973.895	skin diseases	616.54
states		Atropin	
For military history of N. or		effect on hart physiol.	612.1741
S. division or individual		iris mydriatics	615.784
states, <i>see</i> subdivisions of		physiol.	612.8424
Special campaigns, and Mil-		saliva "	612.31342
itary history under 973.3,		materia medica	615.336
973.52, 973.62, 973.7 and		Attack	
973.89		means of comp. physiol.	612.016
telegraf communication	654.5	zoology	591.57
elec. eng.	621.3828	military engineering	623.2
sociology	384	science	355.4
Atlantis antiquities	913.39	Attacks	
mythology	292	on laborers strikes	331.891
orig. home of man	572.4	Attendance	
Atlanto-axial joint anat.	611.7215	church	264
Atlanto-odontoid joint "	611.7215	school	371.52
Atlas vertebra "	611.7112	Attendants lib. economy	023.794
Atlases		Attention physiol. psychol.	612.8212
celestial astronomy	524	Atterbom, P. D. A.	839.7165
geografy	912	Attic	
school apparatus	371.6791	domestic economy	645.69
<i>see also special topics</i>		middle ear	611.8545
Atlo-axoid joint anatomy	611.7215	Attica Greek ancient hist.	938.5
Atmosfere		Attitude, constrained hyg.	613.65
erosion	551.37	Attollens muscle anat.	611.7324
farm	631.433		

Topics in black-face type are subdivided. Superior figures refer to the tables at the end of this index

Attorneys law	340	Augury	133.3
lives	923.4	Augustine mediev. philos.	189.2
Attraction		Augustinian monks	271.4
capillary liquids	532.6	Augustinism doctrins	230.14
chemic affinity	541.39	Auk zoology	598.4
gravity	531.5	Auricle ear diseases	617.82
magnetism	538	Auricles of hart anat.	611.125
of mountains geodesy	526.14	Auricular	
sun and earth	523.33	artery, posterior anat.	611.13325
Attrahens muscle anat.	611.7324	confession ordinances	265.6
Attributes of God	231.4	nerv, large anat.	611.83332
Atwood sheep, Spanish	636.366	valvs, right "	611.1266
Aubanel, J. M. Prov. poetry	849.145	Auriculoventricular valvs	611.1264
¹Aube, France history	944.33	¹Aurora, Ill. history	977.323
Aubergine	635.646	Auroras astronomy	523.59
Aubigné, T. A. d' Fr. satire	847.34	Auscultation pathology	616.074
Auburn prison system	365	Austen, J.. English fiction	823.74
Auction		Austerlitz Europ. hist.	940.27
catalogs author	018.3	French "	944.05
clast	017.3	Austin friars	271.4
dictionary	019.3	¹Austral ilands hist.	996.2
Auctions		¹Australasia "	993
book library buying	025.224	Australia	
business methods	658	administration	354.94
law of	347.7	botany	581.994
¹Aude, France history	944.87	finance	336.94
Audifone acoustics	534.7	geology	559.4
Auditing	657	¹ history	994
Audition, see Hearing		maps	912.94
Auditory		schools, public	379.94
acuteness physiology	612.85871	statistics	319.4
canal ear diseases	617.83	travel	919.4
center physiology	612.85872	other topics see table 1	
nerv anatomy	611.8318	Australian	
physiology	612.8198	ballot suffrage	324.256
path, central anatomy	611.83181	sheep	636.3684
reflexes physiology	612.8588	Austria	
subjectiv sensations "	612.85873	administration	354.436
Auditus coloratus "	612.84373	antiquities	913.436
¹Audrain co. Mo. history	977.833	architecture	720.9436
¹Audubon co. Ia. history	977.7486	botany	581.9436
societies	179.3	colleges	378.436
Auerbach, B. Ger. fiction	833.81	constitutional law	342.43
Auersperg, A. A. " poetry	831.77	education	370.9436
Auger, posthole agric.	631.3113	finance	336.436
Augeronne swine	636.443	geology	554.36
Augier, G. V: E. Fr. drama	842.83	¹ history	943.6
¹Auglaize co. O. history	977.143	laws	349.43
²Augment Gk etymology	482.8	maps	912.436
Augsburg		religious history	274.36
confession church hist.	270.6	schools, public	379.436
creeds	238.4	statistics	314.36
Lutheranism	284.1	travel	914.36
poultry	636.538	treaties	341.2436

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Austria			Automatic		
zoology	591.9436		telephone systems	621.38575	
other topics see table 1			telegraf elec. eng.	621.3824	
Austrian			Automobile		
architecture, Romanesque	723.43		torpedoes naval engin'g	623.95	
ascendancy in Italy	945.07		Automobiles engin'g	629.2	
Netherl'ds	949.202		Autonomy ethics	171.6	
succession, war U.S. hist.	973.26		pol. sci.	320.1	
whites turkeys	636.5925		Autopsy pathology	616.079	
Authenticity of Scripture	220.1		Autotomy comp. physiol.	612.0161	
Author			zoology	591.57	
bibliographies, individual	012		Autotransformers eng.	621.3144	
catalog lib. admin.	025.3		Autotypes	773	
catalogs bibliografy	018		Autumnal catarrh diseases	616.202	
Authority			¹ Auvergne, France hist.	944.59	
church and ministerial	262.8		sheep	636.3421	
ethics	171.1		Auxiliaries, Amer. in revol.	973.346	
school	371.5		¹ Ava, Burmah history	959.2	
Authors			Avalanches phys. geology	551.31	
and publishers	655.52		Avaris ethics	174.5	
anonymous bibliografy	014		Avars history	950	
birthdays school observ.	371.365		Avatars Brahmanism	294	
individual bibliog.	012		Aveneae grass crops	633.286	
lives	928		Average		
remuneration	655.52		maritime law	347.7	
rights of copyright	655.6		probabilities	519.6	
law	347.7		values, alligation	511.8	
special classes bibliog.	013		Averroes mediev. philos.	189.3	
Authorship			⁴ Avesta, Zend language	491.52	
Bible	220.1		⁵ literature	891.52	
literary methods	029.6		religion	295	
Autobiografy	920		¹ Aveyron, France hist.	944.74	
Autocracy form of state	321.6		sheep	636.3468	
Auto-da-fé Span. history	946.04		Aviation		
" inquis.	272.2		amusements	796	
Autodigestion of stomach	612.3234		engineering	629.17	
Autoelectrolytic processes			physics	533.6	
practical chemistry	542.8		Avicenna mediev. philos.	189.3	
Autografs book rarities	091		Aviculture	636.6	
Autolysis physiol. chem.	612.015349		Aviets aeronautics	629.179	
Automata, mechanical	791		Avignon		
metaphysics	127		council of relig. hist.	270.5	
Automatic			Avilla, J. de Span. letters	866.31	
actions of animals phys.	612.821312		Avocado pear	634.653	
checks gun mounts	623.43561		Avoirdupois weights	389	
fire extinguishers	614.844		Avon, ship U.S. war 1812	973.5255	
guns ordnance	623.4225		Awnings dom. economy	645.3	
small arms	623.4424		ship outfit	623.86	
pistols " "	623.4433		Ax, grubbing	631.3116	
rifles small arms	623.4424		pruning	631.3425	
shaft-governor engins	621.1643		Axes, position of geodesy	526.16	
switchboards telefony	621.3877		Axilla anatomy	611.971	

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- Axillary
artery anatomy 611.1341
glands " 611.4671
muscle " 611.7371
veins " 611.1454
- Axis
bone anatomy 611.7113
cerebrospinal " 611.811
- Axle physics 531.82
transmission mechanism 621.822
- Axles railway engineering 625.21
- Aylesbury ducks 636.59721
- 'Ayr, Scotland history 941.42
- Ayrshire cattle 636.2251
- Azeel fowls 636.58811
- Azeglio, M. d' Ital. fiction 853.78
- Azimuth
constant 522.37
determinations 526.63
instrument astronomy 522.42
- Azo-bodies organ. chem. 547.8
- Azoic rocks stratigraf. geol. 551.71
- ¹Azores history 946.99
- Azotin
fertilizers 631.848
- Azoxy-bodies organ. chem. 547.8
- Aztec
architecture 722.9
club of 1847 369.145
history 972.014
language 497
- Azygos veins anatomy 611.1456
- Baalbec ancient history 939.42
- Babies, *see* Infants
- Babism Moham. sect 297
- Babrius Greek poetry 881.4
- Babylon
ancient history 935.4
architecture 722.5
⁴ language, cuneiform 492.19
religion 299.219
- Baccalaureate sermons 252.5
colleges 378
- Bacchanalia soc. customs 394.1
- Bacchus mythology 292
- Bachelors celibacy 176.2
- Back, bursae of anatomy 611.753
- Backbone anatomy 611.711
- Backgammon
ethics 175.5
games 795
- Backsight ordnance 623.4251
- Backstitching dom. econ. 646.21
- Bäckström, P. J. E. 839.7266
- Bacon, Francis
British philosophers 192.1
empiricism 144
English essays 824.3
Shakspeare controversy 822.33
- Baconian philosophy 192.1
- Bacon's rebellion Va. hist. 975.5
- Bacteria
agriculture beneficial 631.8472
injurious 632.3
botany 589.95
fermentation 663.1
theory of diseases 616.01
- Bactericidal properties of
blood physiology 612.118223
- Bacteriology
of intestin physiology 612.3363
saliva " 612.31363
soil agriculture 631.46
stomach physiology 612.3263
pathology 616.01
- ⁴Bactrian, Old language 491.52
- Bactriana ancient hist. 939.64
- Bad social customs hyg. 613.87
- ¹Baddeck, N. S. history 971.693
- ¹Baden, Germany history 943.46
- Badges heraldry 929.8
- Badminton games 796
- Baffin bay travels 919.8
- Bagatelle amusements 794
- ¹Bagdad history 956.7

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Bagging manufacture	677	Baldness dermatology	616.54
Bäggesen, Jens Dan. poetry	839.8156	Bale, J: English drama	822.23
¹ Bagot co. Que. history	971.4525	¹ Balearic Islands history	946.7
Bagpipe	788.9	Balers	631.3632
Bags		Baling	631.5642
agriculture	631.3721	¹ Balize history	972.82
manufacture	677	travels	917.282
¹ Bahamas history	972.96	¹ Balkan states history	949.6
travel	917.296	Ball	
Balf, J: A. de Fr. poetry	841.36	and socket joint anat.	611.72963
L.de Fr. drama	842.32	bearings engineering	621.822
Bail criminal law	343	strength	620.11284
Bailiffs local gov't	352.2	playing amusements	797
Baillie, Joanna Eng. drama	822.71	school hygiene	371.74
Bailments	347.4	Ballads	
Bain automatic telegraf	621.38241	Danish poetry	839.8112
Bait for specimen collecting	579.611	⁵ English literature	821.04
Bakauner swine	636.432	song books	398.8
Baker shorthand	653.35	Swedish poetry	839.7114
Bakers' occupation hygiene	613.64	vocal music	784.3
Bakewell's Leicester sheep	636.3211	Ballast railway engin'g	625.14
Bakies, Scotch	636.528	transportation	656
Baking		Ballers	631.3361
cookery	641.71	Ballet amusements	792
powder adulterations	614.315	ethics	175.2
chem. tech.	664.6	Ballistics	
Bakonyer swine	636.432	exterior mil. engin'g	623.54
Balance		interior " "	623.53
bridge engineering	624.35	Balloon	
frame cultivator	631.3163	sonde aeronautics	629.151
machines	531.81	Ballooning aeronautics	629.15
metrology	389	military	623.741
of power polit. science	320.1	physics	533.6
trade commerce	382	Ballot suffrage	324.25
spring watchmaking	681	Balloting	
Balanced courses educ.	375.005	legislativ procedure	328.375
plow	631.3122	see also distinctiv name	
Balancers elec. eng.	621.31327	Ballots	
Balances, chemic	542.32	count of suffrage	324.261
Balancing		miscount of "	324.275
apparatus aviation	629.186	Ballroom furnishings	645.69
ballooning aeronautics	629.166	Ball's Bluff, Va. U. S. hist.	973.7318
machinery shipbuilding	623.87	Balls	
running gear railrd eng.	625.21	dancing	793
Balanophoreæ botany	583.947	domestic economy	642.43
Balanopseæ "	583.961	ethics	175.3
Balbo, Cesare Ital. essays	854.74	projectils ordnance	623.45111
Balbóa discov. of Amer.	973.16	small arms	623.4551
Balconies, sleeping		Balm garden crop	635.73
furnishing dom. econ.	645.67	Balms field "	633.816
location " "	643.57	¹ Baltic provinces, Rus. hist.	947.4
Balcony furnishings	645.8	sea phys. geog.	551.461
Baldi, Bernardino It. poet.	851.47	travels	914.74

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- ¹Baltimore city** history 975.26
travels 917.526
¹ co. Md. history 975.271
riot U. S. civil war 973.7313
¹Baluchistan history 958.8
Balustrades arch. design 729.39
Balzac, H. de Fr. fiction 843.73
Bamboo fibers 633.587
Bambuseae grass crops 633.289
Bampton holds sheep 636.3217
lectures 239.01
Banana agriculture 634.772
See also distinguishing name
Band music 788
irons plumbing 696.7
saws machine tools 621.93
Bandages surgery 617.93
therapeutics 615.813
Bandello, Matteo Ital. fic. 853.32
Banditti biography 923.41
law 343
¹Banff, Scotland hist. 941.24
¹Bangkok history 959.3
travel 915.93
Bangorian controversy 283.42
Banishment crim. law 343.2
Banjo 787.7
Bank
note engraving 768
notes counterfitting 332.9
money 332.5
of England economics 332.15
the U.S. " 332.11
U.S. national U.S. hist. 973.41
Bankers biography 923.3
Banking 332.1
Bankrupt laws 347.7
Bankruptcy 347.7
Banks
and banking law 347.7
architecture 725.24
cooperativ cooperation 334.2
political economy 332.1
savings banking 332.2
state control 351.825
Banners heraldry 929.9
sacred ornam'ts 247.9
Banquets
domestic economy 642.45
social customs 394.1
student life 371.89
Bantams 636.5871
Banting dietetics 613.24
Banville, T.F. de Fr. poet 841.83
Baptism of infants 265.1
sacrament 265.1
Baptismal
fonts sacred furniture 247.1
regeneration salvation 234.4
Baptisms registers of 929.3
Baptistery sac. furniture 247.1
Baptists 286
biography 922.6
persecution by Puritans 272.8
Bar
association 347.06
keeper's manuals 663.8
legal 340
biography 923.4
tending ethics 178.4
¹Baraga co. Mich. history 977.497
Barb horse 636.11
pigeon 636.59614
¹Barbados history 972.98
travels 917.298
gooseberry 634.7757
Barbarians
antiquities *see* country
invasion of Rome 937.09
N. American indians 970.1
prehistoric archeology 571
S. American indians 980
war customs 399
Barbarins sheep 636.3469
Barbarism vs church 261.3
Barbarisms Eng. lang. 428.3
" other languages
Barbarities, see Cruelty
¹Barbary States history 961
wars U.S. hist. 973.47
Barbd wire manufacture 672
Barberini vase pottery 738
Barberino, F. da Ital. fic. 853.12
Barberry 634.746
Barbers 391.5
Barbet
armor shipbilding 623.9
mounts ordnance 623.4332
Barbésieux poultry 636.544
Barbier, H.A. Fr. satire 847.72
Barbizon school painting 759.4
Barbour, J: Eng. poetry 821.16
¹Barbour co. W. Va. hist. 975.459
¹Barcelona history 946.7
travel 914.67
Barclay, A. Eng. satire 827.21

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Bards and minstrels		Barthélemy, A.M.	Fr. sat.	847.71
English literature	821	Bartholin, Kaspar	Dan. lit.	839.883
French	841	T:	" "	839.883
German	831	Bartholini's glands	anat.	611.677
other literatures			phys.	612.494
Bare wire	elec. engin'g	621.31932	Bartholomew	
Barebones	parliament	942.064	¹ co. Ind.	history
Baretti, G.	Ital. satire	857.65	fair	public customs
Barges	shipbuilding	623.829	St	religious persecu.
Barium	inorganic chem.	546.43	Bartoli, D.	Italian essays
Bark grafting		631.54136	¹ Barton co. Mo.	history
Barley	agriculture	633.16	Baruch	Apocrypha
	brewing	663.3	⁴ Bas Breton	language
Barlow, Joel	Am. poetry	811.23	Basalt	geology
Barnacles	zoology	595.35	Bascule bridges	engin'g
Barns	agriculture	631.22	Base	
	architecture	728.95	line	geodesy
¹ Barnstable co. Mass.	hist.	974.49	mesures, adjust. of	geod.
¹ Baroda, India	history	954.7	mesuring	"
Barometer	pneumatics	533.4	Baseball	amusements
Barometric				school hygiene
leveling	geodesy	526.37	Bases	
pressure	mesology	612.01441	library furniture	022.915
	physiol. effects	612.27	qualitativ analysis	544.12
	respiration	612.2232	theoretic chemistry	541.4
Barometry	hypsometry	551.53	wage	political econ.
	meteorology	551.54	walls	721.25
Baron, M.B.	Fr. drama	842.48	Bashan	ancient history
Baronage	heraldry	929.7	Bashfulness	ethics
Baronetage	"	929.7	Basidiomycetes	botany
Barons war	Eng. hist.	942.034	Basidiomycetes	"
Baroque style	architec.	724.19	Basilar	
Barracks	architecture	725.18	arteries	anatomy
	hygiene	613.67	phalanges of foot	"
	military eng.	623.612	hand	"
Barrages	engin'g	627.1	Basilic veins	"
Barrel organs	music	789.9	Basilica	architecture
Barrels	agriculture	631.5644	Roman antiqui.	913.37
	manufacture	674	Basilican code	law
Barricade	military eng.	623.15	¹ Basilicata, Italy	history
Barrier forts	military eng.	623.134	Basilisk	legends
Barriers	elec. engineering	621.3177		zoology
Barrili, A.G.	Ital. fiction	853.82	Basin	
¹ Barron co. Wis.	history	977.518	docks	shipbuilding
Barrows, British	archeol.	571.92	Basins	
	hand	631.3721	catch	sewers
	shorthand	653.73	filter	waterworks
¹ Barry co. Mich.	history	977.416	physical	geografy
¹ Mo.	"	977.876	Basis pedunculii	anat.
Bars	harbor engineering	627.1	Basket ball	games
	strength of materials	620.11282		fibers
Barter	commerce	380	Basketry	
	zootechny	636.08113	elementary education	372.55

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- Basketry**
 manufactures 674
 ornamental 745
 prehistoric 571.53
- Baskets**
 balloon aeronautics 629.162
 packing agric. 631.5644
 appliances " 631.3644
 transport " 631.3731
- ¹Basle history 949.4
 travel 914.94
- Basque**
⁴ language 491.69
⁵ literature 891.69
¹ provinces history 946.6
 sheep 636.3461
- ¹Basra history 956.7
- Bas-relief** sculpture 736
- Bass** fishing 799
 zoology 597.5
- Bass clarinet** wind instrum. 788.6
 horn " " 788.48
- Basses**
¹ Alpes, France history 944.95
¹ Pyrénées " " 944.79
- Bassethorn** music 788.6
- Bassoon** " 788.8
- Bastardy** law 347.6
- Bastile** prisons 365
 French history 944.041
- Bastions** fortifications 623.116
- Batata** 635.22
- ¹Batavia history 992.2
 travel 919.22
- Batavia system** educa. 371.394
- ¹Bates co. Mo. history 977.843
- Bath, order of the** heraldry 929.71
- Bathing**
 customs 391.6
 domestic economy 646.7
 hygiene 613.41
 school hygiene 371.735
 suits dom. econ. 646.47
- Bathroom** furnishings 645.68
 location 643.52
- Baths**
 admin. of medicin by 615.67
 antipyretics 615.75
 antiquities Greek 913.38
 Roman 913.37
 architecture 725.73
 hydrotherapy 615.853
 hygiene 613.41
 nutritiv hygiene 613.23
- Baths**
 physiologic effects 612.541
 practical chemistry 542.4
- Batidæ** botany 583.916
- Batrachia** paleontology 567.6
 zoology 597.6
- Bats** " 599.4
- Battalion** mil. science 355.31
 drill " tactics 356
- Batteries**
 advancing siege works 623.23
 electric engineering 621.354
 physics 537.86
 floating naval eng. 623.9
 military mil. " 623.4
 storage elec. " 621.354
- Battering ram** war customs 399
- Battery**
 carriages ordnance 623.4316
 tools mil. engin'g 623.461
- ¹Battle Creek, Mich. hist. 977.422
- Battle**
 paintings 756
 wager of legal antiq. 340.3
- Battledoor** outdoor sports 796
- Battleflag day** U.S.civ.war 973.763
- Battles**
 Great war 1914-19 940.42
 land military science 355.48
 naval naval " 359
 U. S. history civil war 973.73
 Mex. " 973.623
 revolution 973.33
 Span. war 973.893
 war of 1812 973.523
 see also hist. of other countries
- Battleships** shipbilding 623.825
- Baude, Henri** Fr. poetry 841.24
- Baudot** printing telegraf 621.38255
- Bauxite** econ. geology 553.49
 metallurgy 669.7
- ¹Bavaria history 943.3
 travels 914.33
- ¹ Lower history 943.35
 travels 914.335
- ¹ Rhenish history 943.43
 travels 914.343
- ¹ Upper history 943.36
 travels 914.336
- Bavarian swine** 636.431
 sheep 636.3333
- Bay**
¹ City, Mich. history 977.447

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Bay		
¹ co. Mich. history	977.447	
of Bengal phys. geog.	551.467	
windows architec. design	729.38	
Bayeux tapestry decoration	746	
¹ Bayfield co. Wis. hist.	977.513	
Bayonet		
drill mil. science	356	
hoe	631.3151	
military efficiency	623.4443	
wepons	399	
Bays hydrografy	526.99	
Beaches, formation of	551.36	
Beacons navigation	656	
river engin'g	627.9	
Beaconsfield Eng. fict.	823.86	
Beads		
archeology	571.74	
blowpiping prac. chem.	542.52	
decoration	746	
devotional	247.9	
ornaments	391.7	
Beadwork	746	
Beagle expedition	508.3	
Beakers prac. chem.	542.231	
Beam		
and scales metrology	389	
side-lever engins	621.1222	
Beams		
bilding	694	
iron bridgebilding	624.22	
strength of materials	620.11282	
strengthenend carpentry	694.3	
wood bridgebilding	624.222	
Bean		
family fruit culture	634.46	
harvesters	631.3563	
shellers	631.3614	
Beans field crops	633.3	
garden "	635.65	
gathering	631.5563	
Bearbaiting customs	394.2	
Beards "	391.5	
Bearings		
engineering	621.822	
steam turbin design	621.16539	
¹ Béarn, France history	944.79	
Béarnaise sheep	636.3462	
swine	636.445	
Beasts		
agriculture	636	
zoology	599	
Beatitudes Gospels	226.2	
¹ Beauce co. Que. history	971.471	
¹ Beauharnois co. Que. "	971.432	
Beaumarchais Fr. drama	842.58	
Beaumont, F. Eng. drama	822.35	
⁵ Beauties, select'ns Eng. lit.	828	
Beauty esthetics	701	
personal "	701	
Beaux social ethics	177.6	
¹ Beaver co. Pa. history	974.892	
Beaver animals	599.3	
Beccaria, C. B. Ital. essays	854.65	
Beccuti, Francesco " satire	857.42	
¹ Bechuanaland history	968.9	
travels	916.89	
Becquerel rays chemistry	541.38	
mesology	612.014482	
Bed		
room furnishings	645.67	
wagon aid to injured	614.883	
warmers	644.19	
Bedbugs animal parasites	616.9681	
household pests	648.7	
zoology	595.75	
Bedding domestic econ.	645.67	
hygiene	613.591	
zootechny	636.0832	
¹ Bedford co. England history	942.56	
¹ Pa. "	974.871	
Bedouin sheep	636.385	
Bedouins		
Arabian history	953	
travel among	915.3	
Beds		
domestic economy	645.67	
hygiene	613.591	
Beecher, H: W. Am. orat'y	815.36	
Beef		
cattle Belgian	636.242	
Dutch	636.232	
English	636.222	
French	636.242	
German	636.232	
Swiss	636.232	
cure therapeutics	615.854	
food	641.3	
production agriculture	636.2	
economics	338.1	
Bee-keeping	638.1	
Beer		
adulterations	614.344	
analysis, chemic	543.1	
drinking ethics	178.1	
manufacture	663.4	

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Bees			
culture	638.1		
insects	595.79		
pests	632.79		
wax agriculture	638.1		
Beet lifters	631.3584		
sugar chem. technol.	664.1		
Beethoven's			
overtures	785.5		
sonatas piano music	786.41		
symphonies orches. "	785.1		
Beetles			
insects	595.76		
paleontology	565.76		
pests agriculture	632.76		
Beets, N. Dutch essays	839.3454		
Beets			
garden crops	635.11		
field crops	633.41		
<i>See also distinguishing name</i>			
zootechny	636.08641		
Beggar weed	633.365		
Beggars pauperism	339		
relief	362.5		
Begging pub. administra.	351.763		
Begoniaceæ botany	583.468		
Behaim, M. disc. of Am.	973.11		
Behavior	177		
Beheading punishments	343.2		
Behemoth			
Bible	220.859		
folklore	398.4		
Behistun inscription	492.1917		
Behn, Aphra Eng. fiction	823.44		
Behring, <i>see</i> Bering			
Being, nature of ontology	111		
Beispiele German satire	837.21		
Bel and the dragon Apocr.	229.6		
Bel			
book and candle church	262.9		
glasses forcing	631.5441		
protection	631.3441		
ringing	789.5		
Belcari, F. Ital. drama	852.21		
¹Belfast history	941.61		
travels	914.161		
¹Belfort, France history	944.45		
Belgian			
cattle	636.24		
draft horse	636.1548		
¹ Kongo history	967.5		
poultry	636.548		
Belgium administration	354.493		
antiquities	913.493		
Belgium architecture	720.9493		
botany	581.9493		
colleges	378.493		
constitution. law	342.493		
education	370.9493		
finance	336.493		
geology	554.93		
¹ history	949.3		
laws	349.493		
maps	912.493		
religious history	274.93		
schools, public	379.493		
statistics	314.93		
travel	914.93		
treaties	341.2493		
zoology	591.9493		
other topics <i>see</i> table 1			
Belief salvation	234		
theory of knowl.	121		
¹Belize history	972.82		
travels	917.282		
¹Belknap co. N. H. hist.	974.24		
Bell system education	371.41		
shorthand	653.42		
Bell, <i>see also</i> Bel			
Belladonna			
cerebrospinal poisons	615.98		
mydriatics	615.784		
Bellamy, J. Dutch poetry	839.3146		
Belleau, Remy Fr. "	841.33		
¹Bellechasse co. Que. history	971.473		
Belles-lettres	800		
¹Belleville, Ill. history	977.389		
Belligerents, rights of	341.3		
Bellman, K:M. Swed. poet.	839.7151		
Bellows prac. chem.	542.53		
Bells, <i>see</i> Bels			
Bell's respiratory nerv	611.83336		
Belmont			
battle U. S. civil war	973.751		
¹ co. O. history	977.193		
¹Beloit, Wis. history	977.588		
¹Beloochistan "	958.8		
Bels			
diving hydraulic eng.	627		
domestic economy	643.6		
manufacture	673		
music	789.5		
signals	654.7		
Belt conveyers mech. eng.	621.8675		
courses walls	721.25		
equatorial	525.14		
waterline shipbldg	623.9		
Belted cattle	636.2354		

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Belting mech. eng.	621.852	Berber sheep	636.386
Belts		Berberideæ botany	583.117
domestic economy	646.48	Berbers description	916.1
of Jupiter descr. astron.	523.45	Berceo, G. de Span. poetry	861.13
Bembo, Pietro Ital. poetry	851.31	Berchet, G. Italian "	851.71
Bemis Heights Amer. rev.	973.3333	Bereft charities	362.6
¹ Benares history	954.2	Bergamot perfume plants	633.813
travel	915.42	lime fruits	634.342
Bench and bar biography	923.4	¹ Bergen, Norway hist.	948.3
Benches		¹ co. N. J. "	974.921
cutting agriculture	631.335	Bergh, H. van den	839.3252
school	371.631	Bergklint, O. Swed. poetry	839.7147
Benches school	371.631	Bergman, T. O. " misc.	839.7848
Bending machines	621.982	Bergmasker sheep	636.35
Bends hydraulics	532.55	Bergschlag swine	636.432
Benedetti, F. Ital. drama	852.67	Bering	
Benedictine monks	271.1	sea arbitration U.S.hist.	973.87
Benediction	264.9	treaty "	973.86
Benedictus sacred music	783.22	strait travel	917.98
Benedix, J. R. Ger. drama	832.81	Berkeley, G: Brit. philos.	192.3
Benefactors biography	923.6	idealism	141
Beneficence ethics	177.7	¹ Berkeley city, Cal. history	979.467
Benefices cleric support	254	¹ co. W. Va. hist.	975.497
Benefit		¹ Berks co. England history	942.29
of clergy legal antiq.	340.3	¹ Pa. "	974.816
societies cooperativ	334.7	¹ Berkshire co. Mass. hist.	974.41
insurance	368	Berkshire Knot sheep	636.3232
Benevolence ethics	177.7	swine, black	636.4261
Benevolent		red	636.4263
institutions	361	Berlier sewerage system	628.215
societies	361	¹ Berlin history	943.15
parish work	256	travels	914.315
Bengal		congress internat. law	341.1
bay of phys. geografy	551.467	decree " "	341.3
¹ India history	954.1	Bermuda	
¹Bengali language	491.44	grass forage crops	633.261
Bengel burners prac. chem.	542.44	Hundred U. S history	973.7365
¹ Benguela history	967.3	¹ Bermudas history	972.99
Benivieni, G. Ital. poetry	851.25	travel	917.299
Bennington, Vt. battle	973.3332	Bernadotte Swedish hist.	948.07
¹ co. Vt. hist.	974.38	Bernardines monastic ord.	271.79
Benserade, I. de Fr. satire	847.44	Bernart de Ventadorn	
Bent grass agriculture	633.23	Provençal poetry	849.125
¹ Benton co. Ind. history	977.297	¹ Berne history	949.4
¹ Ia. "	977.761	travels	914.94
¹ Mo. "	977.839	Bernese cattle	636.2373
Benzenes organ. chem.	547.26	Berni, F. Italian satire	857.32
¹ Benzie co. Mich. hist.	977.463	Beroalde de Verville, F.	
Benzoin perfume plants	633.816	French fiction	843.36
Benzole light chem. tech.	665.7	Berrichonne sheep	636.3441
Beowulf Anglo-Sax. poet.	829.3	¹ Berrien co. Mich. history	977.411
Bequests law	347.6	Berries fruits	634.7
library	021.94	¹ Berry, France history	944.55
Beranger, P. J: de Fr. poet.	841.71		

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- Berseem forage crops 633.32
 Bersezio, V. Ital. drama 852.81
¹Berthier co. Que. history 971.443
 Bertillon system anthropol. 573.6
¹Berwick, Scotland history 941.45
 Beryllium inorgan. chem 546.45
 Beskow, B. von Swed. lit. 839.7262
 Bessel's
 base measuring apparatus 526.22
 deduction L. M. Z. formu. 526.47
 determ. of earth's figure 526.15
 functions 517.35
 Bessemer
 process metallurgy 669.1
 steel engin'g materials 620.17
 Best reading 028
 Betel botany 583.925
 narcotics 613.85
 Bethel ch. Va. U.S. civ. war 973.7313
 Beton
 chemic technology 666.8
 construction masonry 693.5
 engineering materials 620.13
 Betrothal customs 392.4
 Betterments law 347.2
 Bettinelli, S. Ital. essays 854.61
 Betting ethics 175.9
 news journalism 070.446
 lib. econ. 024.58
 Beverages
 adulterations 614.34
 alcoholic hygiene 613.81
 temperance 178
 hygiene 613.3
 manufacture 663
 recipes 641.87
 water hygiene 613.31
 Beyle, M. H. French fiction 843.71
 Béziqne amusements 795
 Bezoar stones medicin 615.89
 Bhagavat Ghita Sans. lit. 891.2
 Bhains cattle 636.293
¹Bhotan, India history 954.1
 Bible
 and science apologetics 239.8
 antiquities 220.93
 Jewish 913.33
 classes Sunday schools 268
 Y. M. C. A. 267.3523
 cyclopedias 220.3
 dictionaries 220.3
 geografy 220.91
 anc. geog. 911.33
 Bible
 history 220.95
 Jewish history 933
 in public schools educ. 377.1
 legends of 398.1
 revision English 220.52
 societies 206
 Bibliofiles biografy 920.1
 Bibliofily 010
 Bibliografers biografy 920.1
 Bibliografies general 011
 Bibliografy 010
 national 015
 of special authors 012
 subjects 016
 Bibliomania bibliografy 010
 Bicameral legislature 328.392
 Biceps
 brachii anat. 611.73721
 femoris " 611.73827
 Bicuspid valvs anat. 611.12642
 Bicycle
 amusements 796
 manufacture 629.2
 rinks architecture 725.86
 room lib. bildings 022.687
 Bids bilding 692.4
 Biehl, C. D. Dan. drama 839.8251
 Biennial legislation 328.353
 Big Bethel, Va. battle 973.7313
 Bigamy ethics 173.2
 law 343
 Bigelow's ligament anat. 611.7282
 Bignoniaceæ botany 583.84
 Bigotry ethics 179.8
 Bijns, Anna Dutch poetry 839.3122
 Bil hook agriculture 631.3424
 Bilderdijk, Wil. " 839.3151
 Bilding
 accidents inter. affairs 351.781
 accounts, supervision of 692.7
 architecture 720
 associations coopera. 334.1
 loan insti. 332.32
 construction history of 690.9
 contracts 692.9
 laws, bilding 692.9
 protection of life 614.85
 rent of land for 333.6
 stones econ. geol. 553.5
 materials 691.2
 Bildings
 buttermaking 637.231

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Buildings			Bills		
dairy		637.131	checking lib. econ.		025.234
farm		631.2	legislativ before passage		328.374
hight of public helth		614.784	passage		328.375
inspection of		614.85	procedure		328.373
library		022	of credit law		347.7
architecture		727.8	mortality statistics		312
lib. admin.		025.9	pub. helth		614.12
military engineering		623.6	sale law		347.3
out architecture		728.9	Bilt-up guns		623.4216
public		725	Bimana mammals		599.9
local government		352.5	Bimetalism coinage		332.42
transit astronomy		522.13	Binary stars astronomy		523.84
Y. M. C. A.		267.32	vapor engines		621.44
architecture		726.9	Binaural hearing physiol.		612.85875
zootechny		636.0831	Binders		
Bile			agriculture		631.3541
ducts absorption in		612.35772	library employees		023.771
anatomy		611.361	temporary lib. fittings		025.7
obliteration of		612.35765	Binding		
physiology		612.3577	book library		025.7
effect of pancreatic juice		612.34251	mechanic trades		686
physiology		612.357	publishers'		655.53
therapeutics		615.742	rare		095
with gastric juice physi.		612.3226	posts elec. eng.		621.3526
Biliary			¹ Binghamton, N. Y. hist.		974.776
acids physiology		612.35715	Binocular		
calculi		612.35764	vision optics		535.7
surgery		617.43	physiology		612.8462
excretion physiology		612.3577	Binomial theorem algebra		512.4
fistulas		612.35711	Biogenesis zoology		591.16
pigment		612.35713	Biografic		
in urin physi.		612.46667	sermons biography		920
salts		612.35715	homiletics		252.9
secretion animals		591.148	Biografy		920
secretion man		612.3573	New testament		225.92
substances, abnormal		612.35769	of educators		923.7
Bilious fever diseases		616.36	hist. of educ.		370.92
Biliousness		616.36	of gipsies		397
Bill			indians		970.2
hook agriculture		631.3424	pirates		923.41
of exchange banking		332.45	slaves		326.92
law		347.7	Old testament		221.92
rights English		342.429	scriptural		220.92
Billiard			Biologic laboratories archi.		727.5
room furnishings		645.69	Biology		570
library bldgs		022.664	Biometry life insurance		368.3
saloons architecture		725.84	Bion Greek lyric poetry		884.7
Billiards ethics		175.4	Biondi, L. Ital. drama		852.66
game		794	Bionomics		575.3
Billings, Josh Am. humor		817.46	Bioplasm		576.2
Billon coins and coinage		332.41	Biplanes aeronautics		629.174
Bills			Birch-Pfeiffer, C. Ger. dram.		832.74
and notes law		347.7	Bird day, school		371.365

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Birds 598.2
 agricultural aids 632.96
 pests 632.698
 cage domestic pets 636.686
 diseases of 619.6
 eggs oology 598.2
 flight aerodynamics 629.142
 comp. physiology 612.768
 migration 591.52
 game sports 799
 nests of zoology 598.2
 paleontology 568.2
 poultry 636.5
 protection 179.3
¹Birmingham, Eng. history 942.48
 travels 914.248

Birth
 customs 392.1
 growth after physiol. 612.65
 marks 617.3
 obstetrics 618.2
 rates public helth 614.11
 Birthday customs 392.1
 Birthdays, public schools 371.365
 Births
 registers of 929.3
 registration pub. helth 614.11
 statistics 312
 Bischarin sheep 636.386
 Bishop shorthand 653.74
 Bishops
 ecclesiastic polity 262.3
 in legislativ bodies 328.3324
 lives of 922

Bismuth
 drugs digestiv system 615.735
 external agents 615.776
 inorganic chemistry 546.87
 Bismuthides mineralogy 549.3
 Bison cattle 636.292
 hunting 799
 zoology 599.7
 Bissell bogies railway eng. 625.21
 Bisticci, V. da Ital. essays 854.23
 Bithynia anc. history 939.25
¹Bitlis history 956.6
 Bitters aids to digestion 615.7341
 vegetable drugs 615.337

Bitumen economic geol. 553.24
 Bituminous coal 553.24
 shale 553.23
 Bivalvs paleontology 564.1
 zoology 594.1
 Bixineæ botany 583.138
 Björnson, B. Norweg. fic. 839.8367

Black
 art magic 133.4
 boards school fittings 371.631
 cap raspberry 634.7112
 Cayuga duck 636.59782
 currant 634.723
See also distinguishing name
 deth plague 614.49
 draft horse 636.1523
 duck, big 636.59782
¹ Forest, Germany hist. 943.48
 trav. 914.348
 friars Dominicans 271.2
 Hawk war U. S. hist. 973.562
 hills, S. Dak. geology 557.83
¹ history 978.3
 paleon. 560.9783
 travel 917.83
 hole, Calcutta 954.1
 huckleberry 634.732
 medic 633.31
 monks Augustinians 271.4
 Benedictines 271.1
 Norfolk turkey 636.5927
 raspberries 634.713
 salsify 635.166
 sea travels 914.77
 Spanish fowls 636.563
 swine, English 636.421
 turkey 636.5927
 walnut 634.512
 Welsh cattle 636.2236
 Blackberry 634.713
 Blackfaced sheep 636.3252
¹Blackford co. Ind. hist. 977.268
 trav. 917.7268
¹Blackhawk co. Ia. hist. 977.737
 Blacking chem. technol. 667.8
 Blacklisting
 labor strikes 331.894
 Blackmail law 343
 legislativ abuses 328.367
 journalism 070.16
Blacksmithing 682
 Blad apple 634.7757
Bladder anatomy 611.621
 diseases 616.62
 physiology 612.4671
 air comp. anat. 611.29
 physiology 612.767
 gall anat. 611.366
 physiology 612.35771
 swimming comp. anat. 611.29
 phys. 612.767

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index.

Bladensburg U.S. war 1812	973.5238	Blocks, patent printing	655.22
¹ Blair co. Pa. history	974.875	reinforced roads	625.87
Blanc, Mont travels	914.449	Blood	
Blanche, A. T. Swed. dram.	839.7263	changes in respiration	612.23
Bland silver act U.S. hist.	973.83	diseases	616.15
Blanket ballot suffrage	324.254	examination	616.076
Blankets zootechny	636.08361	fertilizers	631.845
Blanks laborsavers	029.2	histology	611.0185
library	025.121	letting therapeutics	615.811
for special purpose see subject		making physiology	612.119
Blasphemy ethics	179.5	muscular irritability	612.7416
law	343	physiology	612.1
Blast		poisoning diseases	616.94
furnace engin'g works	621.76	leucocytes	612.1126
metallurgy	669.8	red corpus.	612.1114
prac. chem.	542.42	pressure physiol.	612.14
Blasting agriculture	631.513	purification "	612.23
mining eng.	622.23	serum, albuminoids of	612.39812
submarine	622.23	sugar of physiol.	612.35212
Blastopore embryology	611.01334	transfusion "	612.1163
Blastula "	611.013314	therapeutics	615.65
Blazonry heraldry	929.8	vessels anatomy	611.1
Bleachers' occupation hyg.	613.62	embryology	611.01368
Bleaching	667.1	sympath. syst.	612.899
Bleeding therapeutics	615.811	zoology	591.11
wounds	617.14	Bloody assizes Eng. hist.	942.067
Blemishes domestic animals	636.08115	Bloomer costume	391.2
Blicher, S. S. Danish fic.	839.8362	¹ Bloomington, Ill. history	977.359
Blights agriculture	632	Blowing engines	621.6
bacteria	589.95	Blowout valvs steam eng.	621.18479
Blind		Blowpipe	
asylums architecture	725.54	apparatus	542.5
sociology	362.4	Blowpiping	
education of	371.911	manipulation	542.53
libraries for	027.6	mineralogy	549.1
observat'n of congenitally	612.84375	qualitativ analysis	544.3
printing for	655.38	quantitativ "	545.4
schools "	371.911	rock analysis chem.	543.6
Blindage mil. eng.	623.24	Blue	
Blind-def education	371.913	Andalusian fowls	636.564
Blindness	617.7	books lists of officers	351.2
Blinds arch. construc.	721.87	parliamentary	328.42
Blisters therapeutics	615.774	United States	328.73
Blizzards meteorology	551.55	glass therapeutics	615.831
Block books	092	grass	633.21
Island, R. I. hist.	974.58	gray cattle	636.2232
trav.	917.458	language univ. lang.	408.9
pavement reinforced	625.87	laws Connecticut	345.22
stone	625.82	prints fotografy	771
wood	625.83	Swedish duck	636.59723
vote suffrage	324.222	tangleberry	634.731
Blockade internat. law	341.3	vegetable dyes	633.862
U. S. civ. war	973.758	Blueberry	634.73
		See also distinguishing name	

- Bluing laundry process 648.27
supplies 648.18
- Blumauer, Aloys Ger. sat. 837.62
- Blunderbus firearms 623.441
- Blunders Eng. language 428.3
* other languages
etiquet 395
- Board
of helth city gov't 352.4
medicin 614
reports of 614.09
sanitary eng. 628
trade architecture 725.25
reports 381
- Boarding schools architec. 727.2
educa. 373.2
- Boards, *see also* Trustees
- Boards timber 674
- Boat
bilding 623.8
bridges engineering 624.87
houses architecture 725.87
racing ethics 175.7
school hygiene 371.75
amusements 797
- Boating amusements 797
- Boats
life, *see* Life boats
shipbilding 623.8
wharf architecture 725.34
see also qualifying words
- Boccaccio, Giov. Ital. fic. 853.15
- Bodel, Jean French dram. 842.13
- Bodenstedt, F; M. Ger. lit. 831.84
- Bode's law astronomy 523.21
- Bodily strength athletics 613.72
- Bodleian library 027.742
- Bodmer, J; J. Ger. poetry 831.58
- Bödtscher, L. Dan. poetry 839.8166
- Body
and mind 130
care of hygiene 613
nursery 649.4
school hygiene 371.73
cleanness of hygiene 613.4
congenital defects " 613.91
development childstudy 136.71
physiol. 612.6
mental influence cures 615.851
measurements of 573.6
natural and spiritual 233.5
symmetry of art anat. 743
temperature of physiol. 612.56
training of hygiene 613.73
weight anthropometry 573.6
- Boendale, J. van Dut. misc. 839.381
- Boeotia ancient history 938.4 .
- Boer war 968.2
- Boers history 968
- Boethius Provençal poet'y 849.111
- Bog iron ore 553.3
- Bogies folklore 398.4
railway engin'g 625.21
- ¹Bohemia history 943.71
travel 914.371
- Bohemian
brethren sects 284.3
- Bohemian fowls 636.537
⁴ language 491.86
⁵ literature 891.86
- Bohemianism customs 394
- Bohlen lectures 239.04
- Böhme medieval philos. 189.5
- Boileau-Despréaux, N. 847.46
- Boiler
accidents pub. helth 614.837
steam eng. 621.1947
construction 621.1845
economy steam eng. 621.18413
explosions " " 621.1947
fuels " " 621.1822
houses " " 621.192
inspection pub. helth 614.837
steam eng. 621.1947
management " " 621.194
plants " " 621.19
setting steam eng. 621.18456
shop engin'g works 621.792
- Boilers 621.184
insurance 368.7
locomotiv 621.133
portable engin 621.153
traction engin 621.143
- Boiling
cookery 641.73
heat 536.44
points chemistry 541.36
practical chemistry 542.48
- Boils diseases 616.52
- Bojardo, M. Ital. poetry 851.22
- Boker, G; H. Am. drama 812.33
- ¹Bokhara history 958.6
sheep 636.385
- Bolak universal lang. 408.9
- ¹Bolivia history 984
- Bollandists mon. orders 271.5
- Bolle ram hydraulic mach. 621.272
- ¹Bollinger co. Mo. history 977.894
- ¹Bologna history 945.4
travels 914.54

Bolometer	thermometry	536.51	Bonn conference	rel. hist.	284.8
Bolshevism	Rus. hist.	947.08	Bonnets	costume	391.4
	sociology	335		toilet	646.54
Bolting	pol. parties	329	Bonus		
Bolts			efficiency	pol. econ.	331.225
machinery		621.882	Book		
strength of materials		620.11287	auction catalogs	author	018.3
track	railway engin'g	625.15		clast	017.3
Bombardon	wind instr.	788.8		dict'ry	019.3
Bombards	ordnance	623.4211	auctions		655.56
Bombay, India	history	954.7	binding	<i>see</i> Binding	
	travel	915.47	buying	lib. administrat.	025.22
Bombs			cases	library bldings	022.4
dynamite	chem. tech.	662.2		private libraries	645.63
military engineering		623.45112	catalogs	author	018
Bon Homme Richard		973.355		clast	017
Bonaparte				dictionary	019
Joseph	in Spain	946.06		publishers	015
Napoleon	consulate	944.046		subject	017
	empire	944.05	clubs	self-culture	374.22
Bonaventure co. Que.	history	971.478	collecting		025.2
Bonbons	cookery	641.85	collectors	biografy	920.1
Bond co. Ill.	history	977.387	fees	library economy	024.22
Bondage	slavery	326	furniture, special		022.93
Bonded warehouses	arch.	725.14	holders	lib. fittings	022.934
Bonding	elec. engineering	621.3334		office equip.	651
Bonds			illustration		
and stocks		332.6	inserted plates		096
civil trials		347.91	printing		655.32
criminal law		343	publishing		655.53
finance		336.3	library		025.114
insurance of		368.8	lifts	library econ.	022.945
municipal		332.5	making	typografy	655
of brick work	masonry	693.21	numbers	lib. admin.	025.8
stone	"	693.11	of common prayer	episc.	264.03
public schools		379.13	ownership	rarities	097
Bone			plates	library economy	025.253
boiling	air pollution	614.742		rarities	097
caves	prehist. archeol.	571.81	rarities		090
chemic composition		612.751	rejection	lib. economy	025.217
engineering materials		620.199	stacks	library bldgs	022.43
fertilizers		631.852	thefts	" abuses	024.86
histology		611.01841	trade	business	655.5
implements	archeology	571.52		history	655.4
Bones			trucks	lib. economy	022.942
descriptiv anatomy		591.79	wagon	" "	021.65
diseases of		616.71	worm	" "	025.8
human anatomy		611.71	Bookkeeping		
musical instruments		789.4	accounts		657
of ear	anatomy	611.857	agriculture		631.16
paleontology		566	buttermaking		637.216
physiology		612.75	cheesemaking		637.316
skeleton of animal		591.49	dairies		637.116
Bonghi, R.	Italian essays	854.82			

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Bookkeeping			
library		025.114	
stockfarming		636.0816	
Bookmarks	laborsavers	029.2	
Books			
and reading, prof'ships of		028.6	
bibliografy		010	
censorship	lib. rejection	025.217	
	" restriction	024.674	
	prohibition	098	
chaind	lib. econ.	025.8	
classification of	lib. econ.	025.4	
cleaning	" admin.	025.7	
commonplace	" econ.	029.4	
condemd to be burnt		098	
enemies of	lib. economy	025.8	
extra	special privileges	024.71	
guides to selection		028	
library economy		020	
lists of best subj. bib.		016	
mending	" admin.	025.7	
new, for rent	lib. econ.	024.78	
	library bookbuying	025.221	
number borrowable		024.61	
of prints		769	
old lib. bookbuying		025.223	
prayer		264	
preservation of	lib. econ.	025.9	
privately printed rarities		094	
	lib. gifts	025.227	
prohibited		098	
propagandist	lib. gifts	025.227	
reading and aids		028	
reference	lib. admin.	025.5	
relending by borrower		024.65	
repairing	lib. admin.	025.7	
restricted	lib. economy	024.67	
selection of	" admin.	025.21	
selectors of	" economy	025.214	
sizes of	" "	025.3	
tariff on	" "	021.861	
weight of	" "	022.438	
withdrawal	" "	025.218	
Bookseller, library as		021.26	
Booksellers			
catalogs	author	018.4	
	clast	017.4	
	dictionary	019.4	
lives	biografy	920.4	
Bookselling	publishing	655.5	
Boomerang	wepons	399	
Boone co.			
¹ Ill.	history	977.329	
¹ Ind.	"	977.254	
Boone co.			
¹ Ia.	history	977.754	
¹ Mo.	"	977.829	
¹ W. Va.	"	975.439	
Boosters	elec. eng.	621.31328	
Bootmaking		685	
Boots, tight	hygiene	613.484	
Booty	law	341.3	
Boragineæ	botany	583.77	
Borates	mineralogy	549.73	
Borch, Ole	Dan. misc.	839.883	
¹ Bordeaux	history	944.71	
	travels	914.471	
Border ballads, Scottish			
	Eng. poetry	821	
	ruffians	Kan. hist. 978.1	
	U. S. "	973.66	
Bording, Anders	Dan. poet.	839.8132	
Bore, gun	ordnance	623.4235	
Borecole		635.346	
Borer, posthole		631.3113	
Borers	agric. pests	632.76	
Bores	social ethics	177	
Borghini, V.	Ital. essays	854.43	
Boring machinery		621.945	
	min. eng.	622.24	
Börjesson, J.	Swed. dram.	839.7261	
Börk, Isak	"	839.723	
Borlen apparatus	dairy	637.3321	
Born, B. de	Provenç. poet.	849.126	
Borneill, G. de	"	849.128	
¹ Borneo	history	991.1	
	travel	919.11	
Bornier, H: de	Fr. drama	842.85	
Boron	inorg. chem.	546.27	
Borough	Eng. loc. gov.	352.0422	
¹ Bosnia	history	943.95	
Bosphorus	travels	914.96	
Boss	Amer. politics	329	
Bosses	geology	551.88	
Boston			
¹ Mass.	history	974.46	
	travel	917.446	
	massacre	Amer. revol. 973.3113	
	port bill	" 973.3116	
	schools, public	379.7446	
	siege	Amer. revol. 973.3313	
	statistics	317.446	
	tea party	Amer. revol. 973.3115	
	other subjects	see table 1	
Botanic			
	chemistry	581.1	
	gardens	architecture 727.5	
	botany	580.7	

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Botanic				Bourbour fowls	636.544
museums	botany	580.7		Bourg fowls	636.544
Botanists	biography	925.8		Bourgeoisie	soc. classes 323.32
Botany		580		Boursa, Turkey	trav. 915.61
agricultural		630.28		Boursault, E.	Fr. drama 842.44
classification of		580.1		Bourse	stock exchange 332.6
fossil		561		Bovine vaccin.	cont. dis. 614.4731
geografic distribution		581.9		Bowen, Francis	Am. philos. 191.7
medical		615		Bowling	
of Bible		220.858		alleys	architecture 725.84
structural		581		library bildings	022.665
systematic		580		amusements	796
Botero, Giovanni	It. essays	854.48		Bowstring hemp	agric. 633.574
Botin, A. af	Swed. misc.	839.7847		Box girder bridges	624.4
Böttiger, K.: V.	" poet.	839.7168		stalls	zootechny 636.0831
Bottle charts	physiography	551.47		Boxer	
Bottles, milk		637.135		ship	U. S. war of 1812 973.5253
Bottom				uprising	Chinese hist. 951
inner	shipbilding	623.84		Boxes	
of ocean	botany	581.92		axle	railway engin'g 625.21
phys. geog.		551.46		electric motor cars	621.3347
zoology		591.92		packing	agric. 631.5644
shelbark hickory		634.523		appliances	" 631.3634
1Bouches du Rhône	Fr. hist.	944.91		plant	" 631.346
Bouchet, Guillaume	Fr. fic.	843.35		resistance	621.3742
Boulders	drift	551.33		transport	agric. 631.3731
Boulonnais draft horse		636.1543		Boxing	athletics 796
Boundaries				Boy problem	childstudy 136.77
law		347.2		scouts	societies 369.43
national	foren relations	327		Boycotting	labor strikes 331.893
internat. law		341		Boye, C. J.	Dan. drama 839.8201
political sci.		320.128		Boyle lectures	apologetics 239.02
Boundary				Boys	
Mexican	U. S. history	973.621		childstudy	136.77
Northeast	" "	973.58		dept	Y. M. C. A. 267.357
N. W. Oreg.	U. S. history	973.611		religious societies	267.7
San Juan	" "	973.82		societies	sociology 369.42
Texas	" "	973.621		Brabant fowls	636.548
Venezuela	" "	973.87		Bracciolini, F.	Ital. satire 857.52
Bounties	army	355.22		Bracelets	jewelry 391.7
protection		337.4		Braces	boiler engin'g 621.18452
U. S. army		353.6		carpentry	694.3
civil war		973.7413		railway track	625.15
wage scales		331.225		Brackel fowls	636.548
"Bounty"	mutiny, 1789			Brachial	
Pitcairn's iland		997		artery	anatomy 611.1342
Bouquet's exped.	U.S. hist.	973.27		plexus	" 611.8334
Bourbon turkey		636.5928		Brachialis muscle	" 611.73723
1Bourbonnais, France	hist.	944.57		Brachiopoda	paleontology 564.8
Bourbons				zoology	594.8
French	history	944.03		Brachvogel, A. E.	832.83
restoration		944.06		Brachygrafy	shorthand 653
Spain	history	946.054		Bracing	engineering 624.3
restoration		946.07		Brackenridge, H.H.:	813.21

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- Braddock's defeat U.S.hist. 973.26
¹Bradford co. Pa. history 974.857
 Bradstreet, Anne Am.poet. 811.12
 Brahe, Tyge Dan. misc. 839.883
 Brahma fowls 636.5852
 Brahmanism 294
 Brahmans biography 922.94
 Brahmaputra fowls 636.5852
 Brahmin sacred cattle 636.291
 Brahmō Somaj Ind. relig. 299.11
 Braiding elem. educat. 372.55
 Braidism 134
 Braille system printing 655.38
 Brain
 anatomy 611.81
 functional diseases of 616.84
 mental derangements
 physiology 131
 morfology 612.823
 physiology 612.82
 structural diseases of 616.83
 weight physiology 612.823
 Braising cookery 641.72
 Brakes
 electric motor cars 621.3347
 gun mounts 623.4356
 railroad engineering 625.25
 shaft power transmis. 621.826
 Braking
 electric motor cars 621.3347
 gun mounts 623.573
 Bramble fruits 634.71
 Branch
 ¹co. Mich. history 977.421
 cuttings 631.5354
 libraries library bldgs 022.15
 " extens. 021.62
 Branchial respiration zool. 591.125
¹Brandenburg, Ger. history 943.15
 travels 914.315
 Brandes, Georg Dan. essays 839.8466
 Branding zootechny 636.0812
 Brandt, Geraert Dut. poet. 839.3136
 Brandt's hydraulic gun 621.269
 Brandy
 hygiene 613.81
 manufacture 663.5
 physiologic psychology 612.82144
 physiology 612.3931
 stimulant 615.711
 temperance 178
 Brandywine, battle 973.3336
 Brant
 Joseph Amer. revol. 973.3345
 Sebastian German satire 837.32
 ¹Brant co. Ont. history 971.347
 ¹Brantford, Ont. " 971.348
 Brass instruments music 788
 manufacture 673
 Brasses, monumental
 ecclesiology 247.3
 sculpture 739
 Braun, V.A.D. von Swed. sat. 839.7764
 Bravery ethics 179.6
¹Braxton co. W. Va. hist. 975.466
 Brazil **administration** 354.81
 botany 581.981
 finance 336.81
 geology 558.1
 ¹history 981
 maps 912.81
 schools, public 379.81
 statistics 318.1
 travel 918.1
 treaties 341.281
 tea 633.77
 other topics see table 1
 Brazing plumbing 696.1
 Breach of promis law 347.6
 Breaches
 defense of mil. eng. 623.35
 of disciplin mil. sci. 355.13
 honor " " 355.13
 Breaching " eng. 623.25
 Bread, see Bred
 Breakbone fever diseases 616.921
 Breaker, middle 631.3126
 clod 631.3143
 Breakers
 circuit elec. engin'g 621.31736
 Breakfast, see Brekfast
 Breaking
 plow 631.3125
 up, school 371.23
 zootechny 636.0886
 Breakwaters harbor eng. 627.2
 Breast, see Brest
 Breathing **animals** 591.12
 man 612.2
 Breathings Greek lang. 481.2
¹Brecknock, Wales history 942.96
 Bred
 adulterations 614.312
 and-cheese war, 1491 Neth. 949.202
 as food physiology 612.39274
 cookery 641.6
 fruit 634.39
 Breda fowls, Belgian 636.548
 Bredero, G.A. Dutch dram. 839.3231

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index.

Bredstuffs production	338.1	Breweries architecture	725.42
Bredwinning courses educ.	375.0071	Brewing air pollution	614.731
Breech mechanism ord.	623.424	chemic tech.	663.3
Breeching tackle ord.	623.4362	Briar creek Amer. revol.	973.3357
Breechloading		Bribery criminal law	343
guns ordnance	623.4222	electoral fraud	324.271
small arms manufact.	683	legislativ abuses	328.367
mil. efficiency	623.442	Bricabrac	739
Breeding		Brick	
domestic animals	636.0824	and hollow tile floors arch.	721.63
feeding for zootechny	636.08451	iron ceilings "	721.73
plant	631.522	structures "	721.97
raising for zootechny	636.0881	bilding material	691.4
zoology	591.56	bildings, library	022.21
Breeds domestic animals	636.08211	city houses, detach	728.38
Brehon laws Irish law	349.415	party-wall	728.32
Brekfast cookery	641.52	city houses. semidetacht	728.35
fopds	641.3	clays economic geol.	553.61
meals	642.1	construction masonry	693.2
¹ Bremen, Germany hist.	943.52	manufacture	666.7
travel	914.352	pavement	625.82
Bremer		piers	721.34
Fredrika Swed. fiction	839.7363	road engineering	625.82
¹ Bremer co. Ia. history	977.734	strength of materials	620.14
magnetite arcs	621.3256	sun-dried masonry	693.22
Brentano, C. Ger. fiction	833.72	village houses architect.	728.63
Bresciani, A. Ital. fiction	853.75	vitrified pavements	625.87
¹ Breslau history	943.14	walls architecture	721.24
travel	914.314	work, bonds of masonry	693.21
Bressane swine	636.447	works architecture	725.48
Bresse fowls	636.544	Bridal customs	392.5
Brest		Bridge bilding	624
anatomy	611.69	duplex telegrafy	621.382325
bone anatomy	611.713	grafting agric.	632.8
diseases of women	618.19	material mil. eng.	623.66
wheels engineering	621.223	Wheatstone engin'g	621.3742
hydraulics	532.84	physics	537.7
Bretagne, <i>see</i> Breton		Bridges administration	351.815
Brethren, United sects	284.6	agriculture	631.28
Bretón de los Herreros, M.		engineering	624
Spanish drama	862.53	local government	352.7
Breton cattle	636.2441	military eng.	623.65
draft horse	636.1544	¹ Bridgeton, N. J. hist.	974.995
language	491.68	Bridgewater treatises	215
literature	891.68	Bridging telephone lines	621.38523
sheep	636.3448	Brie cheese	637.3534
swine	636.443	Brief longhand abbrevia.	653.2
Breves spinae anatomy	611.7317	Brigandage crim. law	343
Breviaries Greek church	264.019	Brigands law	343
Roman cath.	264.02	lives	923.41
Brewd		¹ Brighton, Eng. history	942.25
beverages adulterations	614.343	travel	914.225
chemic tech.	663.3	Bright's disease of kidneys	616.61

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- Brine system refrig. 621.5651
 Brink, R. C. B. van den 839.3452
 Bristle tails
 insects 595.71
 pests agriculture 632.71
 dom. econ. 648.7
 Bristoe campaign 973.7353
 Bristol
 ¹ co. England history 942.41
 ¹ Mass. " 974.48
 ¹ R. I. " 974.55
 Criticisms philology 427
 British
 ¹ America history 971
 army 354.426
 barrows prehist. arch. 571.92
 ¹ Burma history 959.1
 travels 915.91
 colonies polit. sci. 325
 ¹ Columbia history 971.1
 constitution 342.42
 ¹ East Africa history 967.6
 ¹ empire history 942
 Guiana boundary
 U.S. hist. 973.87
 ¹ history 988
 travel 918.8
 ¹ Honduras history 972.82
 ¹ India history 954
 travel 915.4
 merinos 636.3672
 museum library 027.542
 navy 354.427
 N. America act Can. hist. 971.049
 philosophers 192
 régime Canada history 971
 statutes 346
 Britons history 942
¹Brittany, France history 944.1
 Broad bean 635.651
 church Anglican ch. 283
 ligament anat. 611.6672
 Broadcast sowers 631.3311
 Broadside lib. admin. 025.174
 Broadtailed sheep African 636.386
 Asiatic 636.385
 European 636.373
 Italian 636.35
 Broca's
 area anatomy 611.8133
 convolutions " 611.81311
 Broccoli 635.356
 Brochmand, J. Dan. misc. 839.883
 Brockes, B. H.; Ger. poet. 831.57
 Broiling cookery 641.76
 Brokerage law 347.7
¹Brome co. Que. history 971.464
 Bromelia fibers 633.575
 Bromeliaceæ botany 584.22
 Bromids hypnotics 615.782
 Bromin
 compounds mineralogy 549.4
 inorganic chemistry 546.14
 Bronchi anatomy 611.233
 physiology 612.2151
 Bronchial arteries anat. 611.1355
 Bronchitis diseases 616.23
 Bronco 636.168
 Brontë, C. Eng. fiction 823.81
¹Bronx co. N. Y. history 974.7275
 Bronze
 age prehist. archeology 571.3
 fine arts 739
 manufactures 673
 remains prehist. arch. 571.34
 Bronze turkey 636.5922
 Brooders 636.508337
 Brook Farm socialism 335.97
¹Brooke co. W. Va. hist. 975.413
¹Brooklyn, N. Y. history 974.723
 travels 917.4723
 Brooks assault on Sumner 973.7114
 Broom corn 633.175
 root 633.59
¹Broome co. N. Y. history 974.775
 Brooms domestic econ. 648.52
 Brorson, H. A. Dan. poet. 839.8144
 Brothels ethics 176.5
 Brotherhoods monks 271
 parish work 255
 Brothers, Christian monks 271.78
 Brougham, H.; Eng. essays 824.74
 Brown, C. B. Am. fiction 813.23
 Thomas Eng. humor 827.46
 Brown
 ¹ co. Ill. history 977.347
 travels 917.7347
 ¹ Ind. history 977.225
 ¹ O. history 977.1796
 ¹ Wis. history 977.561
 coal economic geology 553.22
 Swiss cattle 636.2371
 Browne, C. F. (Artemus Ward)
 Amer. humor 817.37
 Brownian motion
 molecular physics 539.6
 Brownies folklore 398.4

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Browning, E.. B. Eng. poet.	821.82	Buchholtz, A. H. Ger. fic.	833.51
Robert " "	821.83	Buck sithe	631.3117
Brownists sects	285.8	Bucket conveyers mech.eng.	621.8676
Brown's, John, raid		Buckets	
causes of U. S. civ. war	973.7116	mining engineering	622.68
history of slavery	326.973	steam turbin construc.	621.16532
U. S. history	973.68	theory	621.16512
Virginia "	975.5	Buckeye fowls	636.5815
Brownson, O. A. Am. phil.	191.2	¹ Buckingham, Eng. hist.	942.57
Browntail moth	632.78	¹ Bucks co. Pa. history	974.821
¹ Bruce co. Ont. history	971.321	Bucks co. fowls	636.5813
Brueys, D: A. de Fr. dram.	842.46	Buckshot war Penn. hist.	974.8
Bruges fowls	636.548	Buckwheat	633.12
Brumaire French history	944.045	¹ Bucolic poetry Eng. lit.	821.06
Bruniaceæ botany	583.396	Bud grafting	631.5415
Brünner's glands anat.	611.342	¹ Buda Pesth history	943.91
Brunswick		Buddhism	294
¹ Germany history	943.54	Buddhist architecture	722.4
house of Eng. history	942.08	cookery	641.567
pigeons	636.59633	Buddhists biography	922.94
Brusa, Turkey trav.	915.61	Budding	631.5415
Brush fibers	633.59	knife	631.341
¹ Brussels history	949.3	Budgell, E. Eng. essays	824.54
travel	914.93	Budget financ. adminis.	351.72
sprouts	635.36	public finance	336
Brutes, immortality of	591.51	Buds, nipping off pruning	631.54222
Bruun, J. N. Dan. drama	839.8252	Buena Vista	
M. K. " poetry	839.8158	battle Mex. war	973.6235
T. K. " satire	839.8753	¹ co. Ia. history	977.718
Bryant, W: C. Am. poetry	811.33	¹ Buenos Ayres history	982
Bryology botany	588.2	travels	918.2
Bryophyta botany	588	Buff turkey	636.5924
Bryozoa molluscoidea	594.7	Buffalo,	
Bubble		¹ city N. Y. history	974.797
Mississippi Fr. finance	336.44	Panamer. expos.	606
South sea stocks "	332.6	travels	917.4797
Bubonic plague pub. helth	614.49	¹ co. Wis. history	977.548
Buccal		Buffalo zoology	599.7
cavity anatomy	611.31	American cattle	636.2921
physiol.	612.31	berry	634.742
of speech	612.7891	currant	634.724
muscles anat.	611.7326	milk cheese	637.3554
pharynx "	611.3272	water cattle	636.293
tonsil "	611.325	Buffers railroad engin'g	625.25
Buccaneers adventures	910.4	Buffet cars trav. cookery	641.576
biografy	923.41	Buffets fixt furniture	729.94
law	343	Bugle, key wind instru.	788.46
Buccinator muscle anat.	611.7326	valv " "	788.47
Buchan humblies cattle	636.2231	Bugs rhynchota	595.75
Buchanan, J. presidency of	973.68	Büheler, H. Ger. poetry	831.34
¹ Buchanan co. Ia. history	977.738	Buhlwork	749
¹ Mo. " "	977.813	Building, see Bilding	
¹ Bucharest history	949.8	Built-up guns ordnance	623.4216
travel	914.98	¹ Bukowina history	943.75

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- Bul**
 fights amusements 791
 ethics 175.6
 — Golden Germany 342.43
 tung plow 631.3127
Bulbels 631.5321
Bulblet 631.5321
Bulbo-urethral glands anat. 611.627
Bulbs edible 635.2
 floriculture 716.1
 horticulture 631.5321
Bulbules " 631.5321
Bulbus olfactorius anat. 611.8133
 vestibuli " 611.675
¹**Bulgaria** history 949.7
 * language 491.81
Bulkheds shipblding 623.84
Bull, see also Bul
Bull Run
 1st battle U. S. hist. 973.7314
 2d " " " 973.7328
Bulletin boards lib. econ. 022.924
Bulletins lib. publications 025.125
Bullets ordnance 623.451
 small arms 623.455
Bullion coins and coinage 332.4
Bullock's hart 634.415
Bulls, see also Buls
Bull's Ferry, N.Y. Am. revol. 973.3365
Bullying student life 371.82
Buls and bears stock ex. 332.6
 Irish Eng. humor 827
 papal eccles. polity 262.8
 Rom. ch. 282
Bulwer, E. G. Eng. fiction 823.84
Bumping posts railrd eng. 625.16
Bunchers crop packing 631.3643
Bundener swine 636.449
Bundesrat Ger. empire 354.4304
Bundestaat pol. sci. 321.021
Bundlers agriculture 631.3641
Bundling customs 392.4
Bunker hill
 battle Amer. revol. 973.3312
 monument " " 973.366
 landscape arch. 718
Bunsen burners prac.chem 542.44
 pump pneumatics 533.5
Bunyan, John Eng. fiction 823.42
Buonarroti, M. Ital. dram. 852.51
Buoys harbor engin'g 627.9
 protection of life 614.865
 ship equipment 623.86
- Bur clover** forage 633.31
Burchiello, D. Ital. satire 857.21
Burdach's tract anat. 611.8261
Burdette, R. J. Am. hum. 817.43
¹**Bureau co. Ill.** history 977.337
Bureaucracy administra. 351.1
Bureaus
 architecture 725.13
 cabinet making 684
 college employment 378.364
 servants " 647.2
 teachers " 371.145
 Y M C A employment 267.3562
Burets practical chem. 542.35
Bürger, G. A. Ger. poetry 831.63
Bürgher schools, German 379.43
Burglar alarms signals 654.7
Burglary criminal law 343
Burgoyne's
 campaign Am. rev. 973.3332
 surrender " 973.3333
¹**Burgundy, France** history 944.4
Burial
 cemeteries 719
 church rituals 265.8
 customs 393.1
 public helth 614.61
 societies cooperation 334.8
Buriat fat rumpt sheep 636.385
Burke, E. Eng. oratory 825.62
Burking criminal law 343
⁵**Burlesque** Eng. litera. 827
¹**Burlington, Ia.** hist. 977.7961
 1 co. N. J. " 974.961
¹**Burma** history 959.2
 1 British " 959.1
Burmanniaceæ botany 584.13
Burmese architecture 722.4
Burners for liquid fuel
 steam engineering 621.18357
Burnett, F. H. Am. fiction 813.48
 1 co. Wis. history 977.514
Burney, Frances Eng. fic. 823.66
Burning
 glass optics 535.81
 of libraries 022.26
 the ded customs 393.2
 turf fertilizers 631.831
Burnings customs of war 399
 student life 371.89
Burns, R. Eng. poetry 821.67
Burns and scalds surgery 617.11
Burnside exped. U.S. hist. 973.7324
Burnz shorthand 653.64

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Burr, Aaron, conspiracy trials	343.1	Bylaws lib. government	023.1
U. S. hist.	973.48	Byes, Mather Am. satire	817.13
Burro	636.182	Byron, G: G. N. Eng. poet.	821.76
Burroughs, J: Am. essays	814.41	Byssaceæ botany	589.19
Bursæ anatomy	611.75	Byzantine	
diseases of	616.76	architecture	723.2
Burseraceæ botany	583.247	art	709.495
Burying grounds cemetery	719	ecclesiology	246.1
pub. helth	614.65	¹ empire history	949.5
Bush			
fruits	634.7		
harrow	631.3131		
squash	635.621		
Business			
arithmetics	511.8		
bldings architecture	725.2		
capacity college train'g	378.01		
colleges	650.7		
commerce sociology	380		
cooperation	334		
ethics	174		
law	347.7		
management	658		
manuals	658		
methods	658		
schools	650.7		
vices	174.4		
¹ Busra history	956.7		
Butchershops	641.4		
¹ Bute, Scotland history	941.39		
Butjading sheep	636.3314		
Butter	637.2		
Samuel Eng. humor	827.42		
¹ Butler co. Ia. history	977.729		
¹ Mo. "	977.893		
¹ O. "	977.175		
¹ Pa. "	974.891		
Butlers dom. econ.	647.25		
pantry " "	643.45		
¹ Butte co. Cal. hist.	979.432		
Butter	637.2		
adulterations	614.325		
artificial chem. tech.	664.3		
as food physiology	612.39286		
in milk physiology	612.66413		
Butterflies fossils	565.78		
pests	632.78		
zoology	595.78		
Butterin	637.282		
Buttermaking	637.233		
Buttermilk adulterations	614.324		
dairy	637.247		
Buttons manufactures]	679		

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- Cabal, Conway Am. revol. 973.349
 Cabalistic art 133
 Cabbage 635.34
¹Cabell co. W. Va. history 975.442
 Cabin
 aviation 629.182
 ballooning 629.162
 furnishings shipbuilding 623.86
 Cabinet
 council, English 354.4205
 officers in legis. bodies 328.3321
 U. S. gov't 353.05
 organ musical instrum. 786.9
 work joinery 694.7
 Cabinetmaking 684
 Cabinets museum equip. 579.71
 Cable roads city transit 388
 road eng'ng 625.5
 Cablelaying ships 623.828
 Cables
 bridgebuilding 624.55
 electric engineering 621.31934
 manufactures 677
 ship outfit 623.86
 strength of materials 620.11288
 submarine communica. 654.5
 engineering 621.3828
 telephone 621.38783
 telegraf business 654
 engineering 621.3828
 sociology 384
 Cabot, John & Sebastian
 discovery of America 973.17
 Cabs city transit 388
 manufactures 684
¹Cabul, Afghanistan hist. 958.1
 trav. 915.81
 Cacao 633.74
 Cachet, lettres de Fr. hist. 944.03
 Cactaceous fruits 634.775
 Cactææ botany 583.471
 Cadalso, J. de Span. poetry 861.42
 Cadastration taxation 336.22
 Caddis flies pests 632.74
 zoology 595.74
 Cadets military schools 355.07
¹Cadiz history 946.8
 travels 914.68
 Cadmium
 accumulators elec. eng. 621.35558
 inorganic chem. 546.48
 Cædmon Ang. Sax. poet. 829.2
¹Caen history 944.22
 travels 914.422
 Caesar Latin literature 878.1
 Caesarian section obstetrics 618.86
 Caesars lives 923.137
 Roman history 937
 Caesium inorg. chem. 546.36
 Cafés architecture 725.71
 cooking for 641.572
 table systems 642.5
 Cafeteria " 642.57
 Caffein diuretics 615.761
 hygiene 613.83
 Caffres history 968.6
 Cage birds domestic pets 636.686
 Cages mining eng. 622.68
 Cailletet apparatus chem. 542.79
 Cairns prehist. archeology 571.96
¹Cairo, Egypt history 962.1
 travels 916.21
 1 Ill. history 977.3999
 Caisson
 disease physiology 612.274
 ordnance 623.4314
 process bridge engin'g 624.157
 workers hygiene 613.66
¹Caithness, Scotland hist. 941.13
 Cake cookery 641.6
¹Calabria, Italy hist. 945.78
 trav. 914.578
¹Calais history 944.27
 travels 914.427
 Calamus scriptorius anat. 611.8185
¹Calaveras co. Cal. hist. 979.444
 Calcaneostragaloid lig. anat. 611.72851
 Calcaneocuboid " " 611.72853
 Calcaneonavicular " " 611.72851
 Calcaneoscaphoid " " 611.72851
 Calcaneum " 611.71873
 Calcarin fissure " 611.81317
 Calcic waters econ. geol. 553.75
 Calcimining 698.2
 Calcium
 cyanamid fertilizers 631.8421
 inorganic chemistry 546.41
 light chemic tech. 665.7
 salts as food physiol. 612.39263
 Calculating machines 510.8
 Calculations engin'g 620.8
 Calculators mathematics 510.8
 Calculi
 biliary physiology 612.35764
 salivary " 612.31364
 urinary " 612.4661
 Calculus
 diseases 616.62

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Calculus		
mathematics	517	
of direction anal. geom.	516.8	
¹ Calcutta history	954.1	
travels	915.41	
Calderon de la Barca, P.	862.35	
¹ Caldwell co. Mo. history	977.8185	
¹ Caledonia history	941	
¹ co. Vt "	974.33	
Calendar	529	
ecclesiastic, Anglic.	264.031	
Calendars for teachers	370.59	
Calendering paper manuf.	676	
textil fabrics	677	
Calf-tung plow	631.3127	
Calhoun, J: C. Am. orat.	815.26	
Calhoun		
¹ co. Ill. history	977.385	
travels	917.7385	
¹ Ia. history	977.743	
¹ Mich. "	977.422	
¹ W. Va. "	975.429	
Calibrated		
vessels prac. chem.	542.35	
Calibration elec. instrum.	621.372	
instrum. mak'g	681	
Calico manufactures	677	
printing chem. tech.	667.3	
California		
black currants	634.7233	
¹ Lower hist.	972.2	
California, U. S.		
acquisition Mex. war	973.621	
admission U. S. hist.	973.64	
Fremont in Mex. war	973.6232	
¹ history	979.4	
mil. hist. U. S. civ. war	973.7494	
Spanish war	973.89494	
travels	917.94	
Califs Mohammedanism	297	
Caligraphs writing mach.	652	
Caligraphy writing	652	
Calisthenics hygiene	613.71	
sch. hygiene	371.732	
Calking fibers	633.59	
Calkt joints plumbing	696.6	
Call apparatus, in telephone	621.3867	
out "	621.3868	
¹ Callaway co. Mo. history	977.8335	
Callimachus Gk lyr. poetry	884.8	
Callosal gyre anatomy	611.81314	
Callosomarginal fissure "	611.81314	
Callosum anatomy	611.8139	
Calmucks history	950	
Caloric engins	621.41	
physics	536	
Calorimeter "	536.6	
Calorimetry		
direct physiology	612.511	
indirect "	612.512	
physics	536.6	
Calotype fotografy	772	
Calpurnius Siculus, Lat. poet.	874.6	
Calsomining	698.2	
¹ Calumet co. Wis. history	977.566	
¹ Calvados, France "	944.22	
Calvaria anatomy	611.7141	
¹ Calvert co. Md. history	975.244	
Calvinism sects	284.2	
vs free will theol.	234	
Calvinistic baptist church	286.1	
confession	238.4	
methodist ch.	287.2	
Calvinists biography	922.4	
Calycanthaceæ botany	583.113	
Calycereæ "	583.546	
Calyceineæ "	584.4	
Calycozoa zoology	593.74	
Cambistry metrology	389	
money	332.45	
¹ Cambodia history	959.6	
Cambodian architecture	722.4	
¹ Cambria, Wales history	942.9	
¹ co. Pa. "	974.877	
Cambrian age geology	551.72	
¹ Cambridge, Eng. history	942.59	
travels	914.259	
univer.	378.42	
¹ Mass. history	974.44	
travels	917.444	
confession	238.5	
platform	238.5	
turkey agriculture	636.5922	
Camden		
Ark. exped. U. S. civ. war	973.7363	
¹ city, N. J. hist.	974.988	
¹ co. Mo. "	977.854	
¹ N. J. "	974.987.	
S. C. battle Am. revol.	973.3363	
Camel domestic animals	636.295	
zoology	599.7	
Camels hair dom. econ.	646.13	
Camembert cheese	637.3534	
Cameos	736	

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Camera	photografy	771	Canada		
	<i>lucida</i> microscopy	578.4		crookneck squash	635.622
	optics	535.86		discovery of America	973.18
	<i>obscura</i> "	535.86	¹ East	history	971.4
	photografy	771		travels	917.14
Cameralistic science		336	¹ West	history	971.3
¹ Cameron co. Pa.	history	974.866		travels	917.13
Cameronians	sects	285.5		other topics see table 1	
Camfor	therapeutics	615.789	Canadian	blueberry	634.735
Camisards	sects	284.244		exped. Am. rev.	973.3315
Camoufflets	mil. eng.	623.45435		French	447.9
Camp	cookery	641.578		goose	636.59881
	disinfection cont. dis.	614.48	Canaigne		633.871
	life hygiene	613.67	Canal boats	shipblding	623.829
	mil. science	355.12	Canaliculi, bile	anatomy	611.361
	lunches dom. econ.	642.3	Canals		
	meetings	269		drainage	631.62
¹ Campagna, Italy	history	945.6		engineering	626
	travel	914.56		interoceanic engin'g	626.9
Campains				irrigation	631.72
political		329		transit sociology	386
U. S. history	civil war	973.73		transportation	656
	Mex. "	973.623		see also special names	
	revolution	973.33	Canary birds	care of	636.686
	Span. war	973.892		zoology	598.8
	war 1812	973.523	¹ iles	history	946.8
Campanales	botany	583.57	Cancer	diseases	616.994
Campania	anc. history	937.7	Cancioneros, Los	Sp. poet.	861.25
¹	mod. "	945.72	Cand food	pub. helth	614.318
Campanulaceæ	botany	583.59	¹ Candahar	history	958.2
Campbellism	sects	286.6		travels	915.82
Campbellites	biografy	922.6	Candidacy	suffrage	324.23
¹ Campeche, Mexico	hist.	972.6	Candidates	"	324.23
Campenes	poultry	636.548	Candlepower	elec. lighting	621.321
Campenon, F. N.; V.		841.66	Candles	chemic tech.	665.1
Campfire girls	societies	369.47		dom. lighting	644.311
Camphor	therapeutics	615.789	Candlesticks	dom. econ.	644.321
Camping out		796	Candor	ethics	177.3
Cams	mech. engineering	621.838	Candy	adulterations	614.311
Can system	icemaking	621.581	Candymaking		641.85
Canada	administration	354.71	Cane fruits		634.71
	botany	581.971		harvesters	631.3566
	finance	336.71		sugar agriculture	633.61
	geology	557.1		botany	584.9
¹	history	971	Canellaceæ	"	583.137
	literature, see		Caney, El	battle	973.893
	810 note and		Canister	ordnance	623.45122
	and 820 note		Cannabis	agriculture	633.53
	maps	912.71	Canned food	pub. helth	614.318
	schools, public	379.71	Cannel coal	econ. geol.	553.23
	statistics	317.1	Cannibalism	war customs	399
	travels	917.1			
campaign	Amer. revol.	973.3315			
	U. S. war 1812	973.5233			

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Canning			
fruits and veg.	chem.tech.	664.8	
meats and fish	" "	664.9	
Cannon	mil. engineering	623.4212	
Canoes	boatbuilding	623.829	
	canoeing	797	
Canon			
law		348	
music		781.5	
of scripture		220.1	
Canonization	dogma	235	
Canons, apostol.	eccles. pol.	262.6	
	church	262.6	
Cañons	rivers	551.48	
	of Colorado river	descr. 917.91	
Canopy windows	arch. dec.	729.83	
Cans, milk		637.135	
Cant	ethics	179.8	
¹ Cantal, France	history	944.59	
Cantaloup		635.611	
Cantata	dramatic music	782.8	
	sacred	" 783.4	
Canterbury convocation		283.42	
Cantharides	animal pois.	615.94	
Canthi	anatomy	611.847	
Canticles	Bible	223.9	
Cantilever bridges		624.35	
¹ Canton, China	history	951.2	
	travels	915.12	
¹	O.	history 977.1621	
Cantù, C.	Italian fiction	853.76	
Canvas roofing	bilding	695.8	
Canvass	lib. propaganda	021.71	
Canvassing	bookselling	655.57	
Canyons, <i>see</i>	Cañons		
Caoutchouc	org. chem.	547.24	
	rubber manuf.	678	
Cap and gown	acad. cost.	378.29	
Capacelli Albergati, F.		852.63	
Capacity			
for knowing	psych.	151	
ship design		623.81	
suffrage qualifications		324.14	
¹ Cape Breton co. N. S.	hist.	971.695	
¹	iland	" 971.69	
¹	travels	917.169	
¹	Colony, Africa	hist. 968.7	
¹	Girardeau co. Mo.	" 977.896	
¹	May co. N. J.	" 974.998	
¹	of Good Hope	" 968.7	
¹	Verde ilands	" 997	
	trav.	919.7	
swine		636.486	
Capet, Hugh	Fr. history	944.021	
house of	" "	944.02	
Capillaries			
bile	anatomy	611.361	
blood	"	611.15	
	pressure in	physiol. 612.145	
lymph	anatomy	611.42	
Capillary			
analysis	chemistry	544.92	
attraction in plants		581.11	
	of liquids	532.6	
circulation	physiology	612.135	
moisture	agric.	631.432	
Capital and labor		331	
	punishment law	343.2	
Capitalists	biografy	923.3	
¹ Capitalization	Eng. lang.	421.9	
	securities	332.6	
Capitation tax		336.23	
Capitatum, os	anatomy	611.71777	
Capitols	architecture	725.11	
Capon	poultry	636.513	
¹	Springs, W. Va.	hist. 975.495	
Caporali, C.	Italian satire	857.43	
Cappadocia	ancient hist.	939.34	
Capparideæ	botany	583.131	
Capponi, G.	Ital. essays	854.75	
Caprification	secretions	591.145	
Caprifoliaceæ	botany	583.51	
Caps			
indoor hedgegar	toilet	646.48	
outdoor	" "	646.5	
percussion	chem. tech.	662.4	
Capstans	mech. engin'g	621.864	
Capsular extract			
physiol. effect		612.458	
Capsule of lens	eye dis.	617.74	
	spleen anat.	611.418	
Capsules, suprarenal	anat.	611.45	
	physiol.	612.45	
Captivs	internat. law	341.3	
	war customs	399	
Captivities, indian		970.3	
Captivity	military life	355.11	
	pris. disciplin	365	
Capture of animals	zoot.	636.08111	
Captures	internat. law	341.3	
Capuana, Luigi	Ital. fiction	853.83	
Capuchins	religious hist.	271.36	
Caput gallinaginis	anat.	611.6231	
Car			
factories	architecture	725.45	
houses, R. R.	"	725.33	
wiring	elec. traction	621.3345	

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- Car, see also Cars
- Carabao 636.293
- Caraunda 634.744
- Caravans transportation 656
- Caravels shipbuilding 623.8225
- Caraway horticulture 635.75
- Carbid arcs elec. lighting 621.3256
- Carbines manufacture 683
mil. efficiency 623.442
- Carbohydrates
chemistry of food 641.13
in blood **physiol.** 612.122
muscle " 612.74411
nutrition " 612.396
quantity in food and tissue 612.3967
- Carbolic acid
disinfectants cont. dis. 614.485
materia medica 615.313
- Carbon
compounds air pollution 614.721
mat. med. 615.31
organ. chem. 547
- ¹co. Pa. history 974.826
- filaments elec. lighting 621.3263
- group inorganic chem. 546.25
- in food **physiol.** 612.3921
- inorganic chemistry 546.26
- metabolism phys. chem. 612.01532
- process **photografy** 773
- series economic geol. 553.2
- vapor lamps elec. light 621.3275
- Carbonari secret societies 366
- Carbonated waters hyg. 613.38
- Carbonates mineralogy 549.78
- Carbonic
acid air pollution 614.722
in asphyxiation 612.2324
blood **physiol.** 612.1273
respira. **physiol.** 612.22311
muscular produc. 612.74422
refrig. machinery 621.574
toxicology 615.96
- oxid air pollution 614.722
narcotic poisons 615.96
- Carboniferous age geol. 551.75
fossils 560
- Carbonous acid **physiol.** 612.234
- Carbons, arc light 621.3257
- Carborundum abrasivs 621.92
- Carboxyhemoglobin blood 612.11114
- Carburetted
air heating prac. chem. 542.44
hydrogen air pollution 614.722
- Carcano, Giulio Ital. fic. 853.77
- Card
catalog lib. admin. 025.3
playing amusements 795
ethics 175.5
system literary meth. 029.1
- Cardia anatomy 611.333
- Cardiac
contraction **physiol.** 612.171
- cranial nervs, sup. anat. 611.831915
- glands of stomach " 611.333
- irritability **physiology** 612.172
- muscle histology 611.01863
- plexus anatomy 611.83917
- sympathetic nervs
inferior anatomy 611.83917
middle " 611.83915
superior " 611.83914
- valv closure **physiology** 612.1713
- valvs **anatomy** 611.1263
- veins anatomy 611.142
- Cardiff giant humbugs 133.7
- ¹Cardigan, Wales history 942.95
- Cardinal veins anatomy 611.144
- Cardinals ecclesias. polity 262.13
lives 922.2
Roman church 282
- Cardiografy **physiology** 612.1711
- Cardoon 635.327
- Carducci, Giosuè Ital. poet 851.84
- Care of
accumulators elec. eng. 621.35418
- animals public helth 614.94
zootechny 636.083
- body hygiene 613.4
school hygiene 371.73
- children dom. econ. 649.1
- eyes hygiene 613.49
school hygiene 371.72
- farm machinery 631.3
- led accumulators 621.35518
- milk 637.13
- person customs 391.6
hygiene 613.49
toilet 646.7
- plants agriculture 634.54
steam apparatus 621.193
- Carelius, Olof Swed. poet 839.7141
- Cargo
capacity shipbuilding 623.81
vessels " 623.824
- Caria ancient history 939.24
- Caribbean sea travels 917.29
phys. geog. 551.463
- ¹Caribbee ilands history 972.97

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Caribou	zoology	599.7
Caricature	drawing	741
Carillon	music	789.5
¹ Carinthia, Austria	hist.	943.66
Carinthian	sheep	636.3336
Carlén, Emilie	Swed. fic.	839.7365
Carleton, Will	Am. humor	817.45
¹ Carleton co. N. B.	history	971.552
¹	Ont. "	971.383
Carlist wars	Spanish hist.	946.07
Carlovingian cycle	legends	398.2
¹ Carlow, Ireland	history	941.88
Carlson, F. F.	Swed. misc.	839.7864
Carlyle, T:	Eng. essays	824.82
¹ Carmarthen, Wales	hist.	942.98
Carmelites	monks	271.73
	sisterhoods	271.971
¹ Carnarvon, Wales	hist.	942.92
Carnations	horticulture	716.2
Carneades	Gk philosophy	186.2
Carnegie institution		378.32
	pension fund	371.17
¹ Carniola, Austria	hist.	943.67
Carnivora	mammals	599.7
Carnivorous plants	botany	581.53
Carnot, Sadi-	Fr. hist.	944.08
Carob		634.462
Carol	sacred music	783.6
Carolinas		
	For military history, see subdivisions of Special campaigns and Military history under 975.3. 973.52, 973.7 and 973.89	
Caroline, burning U. S.	hist.	973.57
¹	co. Md. history	975.231
¹	islands "	996.6
Carolingians	Fr. hist.	944.01
	Ger. "	943.021
Carotid		
arteries	anatomy	611.133
gland	"	611.47
	physiology	612.495
nerv, external	anat.	611.83913
internal	"	611.83912
plexus, common	"	611.83914
Carpal bones	anatomy	611.7177
	joints "	611.7275
Carpathian	swine	636.432
Carpathos	ancient history	939.17
¹	modern "	949.97
Carpenters	lib. econ.	023.773
Carpentry	building	694
	stereotomy	515.82
Carpets	designing	745
	domestic econ.	645.1
	hygiene	613.593
	library econ.	022.963
	manufacture	677
Carpocratian	heresy	273.1
Carpometacarpal	joints	611.7276
Carposporeae	algae	589.4
	fungi	589.21
Carpus	anatomy	611.7177
Carrer, L.	Ital. poetry	851.76
Carrera, V.	" drama	852.83
Carriage		
	and car factories	archit. 725.45
	horse	636.14
	houses	architecture 728.94
		farm buildings 631.24
	making	mech. trades 684
Carriages, care of gun		623.4813
	motor	629.2
	ordnance	623.43
Carrier pigeons	dom. birds	636.59635
Carriers		
	cash	mech. engin'g 621.8679
	hay	631.3535
	in irrigation	sanitary eng. 628.366
	law	347.4
	mechanical	lib. econ. 022.944
¹ Carroll co. Ill.	history	977.334
	travels	917.7334
¹	Ind.	history 977.294
¹	Ia.	" 977.746
¹	Md.	" 975.277
¹	Mo.	" 977.8225
¹	N. H.	" 974.24
¹	O.	" 977.167
Carrot	field crops	633.43
	garden "	635.13
Cars		
	aerostation	engin g 629.162
	aviation	" 629.182
	building	699
	disinfection	cont. dis. 614.48
	horse	engineering 625.6
	milk	agriculture 637.135
	motor	engineering 629.2
		tram elec. " 621.3343
	railroad	engineering 625.22
Cart horse		636.15
¹ Cartagena, Spain	history	946.7
	travels	914.67
Cartels	law of war	341.3
¹ Carter co. Mo.	history	977.889
Cartesianism	philos. syst.	144

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Carthage	anc. history	939.73	Caste	ethics	177.5
Carthaginian	architecture	722.3		Brahmanism	294
'	language	492.6	Castelar, E.	Sp. oratory	865.52
	war Rom. hist.	937.04	Castelain, M. de	Dut. poet.	839.3123
Carthusian monks		271.71	Castellazzo, L.	Ital. fic.	853.81
Cartier, Jacques	U. S. hist.	973.18	Castelvetro, L.	" essays	854.41
Cartilage	chem. compos.	612.7512	Casti, G.	" satire	857.63
	histology	611.0183	Castiglione, B.	" essays	854.33
Cartilages	anat.	611.72	¹ Castile, New, history		946.4
	larynx	611.221	¹	Old "	946.3
Cartography	maps, etc.	912	Castilian fowls		636.561
Cartoons		741	Castillejo, C. de	Sp. poetry	861.32
Cartridges	mil. science	623.4553	Casting	foundries	671
Carts, hand	farm transport	631.3734	Castle Martin	cattle	636.2236
Carvd decoration	archit.	729.5	Castles	architecture	728.81
Carving	dining	642.6	Castor and Pollux	mythol.	292
	sculpture	736		beans fertilizers	631.847
Caryophylleae	botany	583.152	Castrated female	agric.	636.08235
Caryophyllineae	"	583.15		male "	636.08234
Casa, G. della	Ital. poetry	851.38	Castrametation	mil. sci.	355.5
Casein	chemic tech.	668	Castration	physiology	612.6161
	in milk	agriculture		surgery	617.46
		physiol.	Castro y Bélvis G. de		862.32
		612.66414	Casts		730
	secretion	"	Casualties		
		612.66434		insurance	368.4
Caseinate mounts	ordnance	623.4331		protection from	614.8
Casemates	fortifications	623.123	Casuarineæ	botany	583.975
Cases, book	lib. economy	022.4	Casuistry	ethics	171.6
	English syntax	425.5	Cat	domestic animals	636.8
	Greek	"		zoology	599.7
	Latin	"		diseases of	619.8
	other languages		Catabaptists	sects	284.3
	law Amer. digests	345.5	Catacombs	antiquities	913.37
	reports	345.4		cemeteries	719
	Eng. digests	346.5		symbols	246.5
	reports	346.4	⁴ Catalan language		449.9
Cashew family	fruit	634.44	⁵	literature	849.9
	nuciculture	634.573	Catalepsy		132.4
¹ Cashmere	history	954.6	Catalog dep't	lib. econ.	025.3
	goat	636.39854	Catalogers	" "	023.74
Casing	steam boilers	621.18454	Cataloging	" "	025.3
	turbins	621.16538		duplicates	" "
Caspian sea	travels	914.78			025.263
¹ Cass co. Ill.	history	977.346	Catalogs		
	travels	917.7346		author	018
¹	Ind. history	977.286		book publishers'	015
¹	Ia. "	977.772		college	378
¹	Mich. "	977.412		dictionary	019
¹	Mo. "	977.842		library printing	025.124
Cassi, F.	Ital. poetry	851.65		of brands	stockfarming
Cassia tree	botany	583.32		sales	"
Cassinoid curv	anal. geom.	516.26			636.08188
Cast iron	bldg material	691.7		special authors	
	engin'g	620.17		countries	015
	structures arch.	721.91		instruments	681
Castanets	musical instr.	789.4		subjects	016

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index.

- Catalogs
 stock farm 636.08187
 pub. access to lib. econ. 024.54
 star maps 524.8
 stars 523.89
 subject 017
 trade, book 015
 universal 011
 see also Bibliography
- ¹Catalonia, Spain history 946.7
 Catalysis chemistry 541.39
 Catalytic analysis, chem. 545.36
 Catamarans boatbuilding 623.8212
 Cataphoresis electrotherapy 615.84
 Cataracts eye diseases 617.74
 physical geog. 551.48
 Catarrh diseases 616.205
 epidemic " 616.203
 Catarrhal affections of skin 616.52
 Catch vocal music 784.1
 basins of sewers 628.255
 Catchcrop culture 631.584
 Catechetical method educa. 371.35
 Catechisms 238
- Catenary
 curv physics 531.83
 suspension elec. eng. 621.33223
- Caterer domestic econ. 641
- Caterpillars
 agricultural pests 632.78
 economic zoology 591.69
 systematic " 595.78
- Cathari persecutions 272.4
 sects 284.4
- Catharine 1 Russian hist. 947.06
 2 " " 947.06
- Cathartics therapeutics 615.732
- ¹Cathay history 951
 travels 915.1
- Cathedral
 canons eccles. polity 262.3
 schools education 377.4
 services, musical 783.2
 system eccles. polity 262.3
 Cathedrals architecture 726.6
 Catholic apostolic church 289.9
 biog. 922.89
 authors bibliog. 013.282
 church, Roman 282
 epistles Bible 227.9
 Catholicism & protestantism 282
 Catholics biography 922.2
 Cato, Valerius Lat. satire 877.2
 Cats, Jacob Dutch poetry 839.3131
- Cats *see* Cat
- Catskill formation geol. 551.74
¹Catskills, N. Y. history 974.738
 travels 917.4738
- Cattalo cattle 636.2922
¹Cattaraugus co. N. Y. hist. 974.794
- Cattle 636.2
 diseases, cont. hygiene 614.91
 veterinary med. 619.2
 gards railway engin'g 625.16
 markets architecture 725.27
- Catullus Lat. lyric poetry 874.2
¹Caucasia history 947.9
- Caucus primary suffrage 324.235
- Caucuses
 legislativ procedure 328.3745
- Cauda equina anatomy 611.8216
- Caudal artery " 611.1363
- Caudatum " 611.81321
- Cauliflower agric. 635.35
- Cauls anatomy 611.38
- Caumont fowls 636.546
- Causality philosophy 122
- Causation " 122
- Cause and effect philos. 122
- Causes
 Amer. revolution 973.311
 contagious diseases 614.41
 final philosophy 124
 Great war 1914-19 940.311
 U. S. civil war 973.711
 war of 1812 973.521
 with Mexico 973.621
 Spain 973.891
- Causee sheep 636.3468
- Caustic potassa therap. 615.775
- Caux fowls 636.543
- Cavalca, D. Ital. essays 854.11
- Cavalcanti, G. " poetry 851.14
- Cavallotti, F. " drama 852.85
- Cavalry
 horses 636.13
 military science 357
 U. S. civ. war 973.7417
- ¹Cavan, Ireland history 941.69
- Cavatina music 784.2
- Cave men prehis. archeol. 571.12
 temples Ind. archi. 722.4
- Cavernous plexus anat. 611.83912
- Caves geology 551.44
 natural dwellings 571.81
- Cavour Ital. history 945.08
- ¹Cawnpore, India " 954.2
- Cayenne cherry 634.423

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- ¹Cayenne island history 988
pepper 633.842
- ¹Cayuga co. N. Y. history 974.768
ducks 636.59782
indians 970.3
- Cecal digestion physiol. 612.363
- Cecchi, G. M. Ital. drama 852.43
- ¹Cecil co. Md. history 975.238
- Cecum anatomy 611.347
- Cedar chests, etc. 648.7
- ¹co. Ia. history 977.766
- ¹Mo " 977.874
- ck, Va. U.S.civ.war 973.7377
mt, Va. " " 973.7328
perfume woods 637.814
- ¹Rapids, Ia. history 977.7621
run, Va. U.S.civ.war 973.7328
- Ceiling lights dom. econ. 644.326
- Ceilings
- architecture 721.7
carvd arch. decoration 729.58
mosaic " " 729.71
painted " " 729.48
vaulted architecture 721.4
- Celastrales botany 583.27
- Celastrineæ botany 583.271
- ¹Celebes history 991.2
- Celebrations
- Great war 1914-19 940.46
invention of printing 655.12
military 355.16
student life 371.89
U. S. history civil war 973.76
Mex. " 973.626
revolution 973.36
Span. war 973.896
war of 1812 973.526
- Celeriac agriculture 635.128
- Celery " 635.53
- Celestial dynamics 521.1
sphere 522.71
- Celestina Spanish fict. 863.23
- Cellac axis anat. 611.1364
- Celibacy
- ethics 176.2
hygiene 613.89
of clergy law 348
religion 254
- Celiotomy surgery 617.55
- Cell
- houses prison architec. 725.62
ilets, interalveolar anat. 611.377
masses, intertubular " 611.377
structure histology 611.0181
- Cellar domestic economy 645.69
- Cells
- biology 576.3
connectiv histology 611.01821
histology anatomy 611.0181
botany 581.8
zoology 591.8
- physiologic botany 581.1
physiology 612.014
voltaic engineering 621.35
- see also qualifying word
- Cellular
- confinement prisons 365
punishm'ts 343.2
- nerv substance histol. 611.01882
- tissue, botany 581.8
histology 611.0181
physiology 612.388
- Cellulitis diseases 616.77
- Celluloid dom. econ. 646.183
manufactures 679
- Cellulose botany 581.8
physiology 612.396113
- Celsius, Anders Swed. misc. 839.7835
Olof " " 839.7846
- Celtic antiquities 913.36
druids religion 299.16
languages 491.6
swine 636.441
- Celts
- ancient history 936
French history 944.01
stone archeol. 571.25
- Cements
- building materials 691.5
engineering " 620.136
manufacture 666.9
mineral econ. geol. 553.68
practical chemistry 542.26
steam engineering 621.1857
- Cementum, diseases of 617.62
- Cemeteries
- earth burial 393.1
effect on helth 614.65
landscape gardening 719
public helth 614.61
- Cemetery chapels architec. 726.8
- Cenozoic period geol. 551.78
- Censers sacred vessels 247.9
- Censorship of
- press journalism 070.13
pol. sci. 323.445
state control 351.751
- see also Books, censorship

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Censuses statistics	310	Cephalization zoology	591.4
Centenarians physiology	612.68	Cephalopoda	" 594.5
Centennial		Ceramics bldg materials	691.4
celebrations see subject		eng. "	620.14
exhibition U. S.	606	fine arts	738
" hist.	973.82	manufacture	666.3
¹ Center co. Pa. history	974.853	Ceratophylleæ botany	583.987
of gravity physics	531.24	Cereals adulterations	614.312
Centers, community	374.28	agriculture	633.1
Cent-gram-second system	530.8	botany	584.9
Centipedes zoology	595.6	food values	641.13
Centlivre, Mrs Eng. drama	822.53	grain agriculture	633.1
Cento novelle antiche	853.11	grasses "	633.25
Central		physiology	612.39273
Africa history	967	trade in	338.1
travel	916.7	Cerebellar	
North history	966	lobes anatomy	611.81711
travels	916.6	peduncles, superior	611.8164
America history	972.8	physiology	612.8267
travel	917.28	Cerebellum anatomy	611.8171
Asia history	958	physiology	612.827
travels	915.8	Cerebral	
fissure anatomy	611.81312	arteries, anterior & mid.	611.13333
nervous system physiol.	612.82	posterior	611.1349
Park, New York	711	circulation physiol.	612.824
plan rural schools	379.175	in sleep "	612.82174
powers Great war	940.334	convolutions "	612.825
army life	940.484	cortex anatomy	611.8131
personal narrativs	940.482	ganglions physiology	612.826
reading room lib. bldg	022.51	peduncles anatomy	611.8154
stations elec. engin'g	621.312	physiology	612.8263
steam "	621.19	poisons therapeutics	615.96
switchboard telephones	621.3854	veins anatomy	611.14511
Centralization		Cerebration, unconscious	153
administrativ Eng.	354.4201	Cerebria diseases	616.83
France	354.4401	Cerebro-cardiac poisons	615.99
Ger.	354.4301	Cerebrospinal	
lib. econ.	021.63	axis anatomy	611.811
U. S.	353.01	circulation, diseases of	616.81
political science	320.1	fever diseases	616.925
school supervision	379.15	fluid physiology	612.8241
Centre of gravity physics	531.24	meninges diseases of	616.82
Centrifugal blowers eng.	621.63	meningitis "	616.82
force physics	531.35	poisons therapeutics	615.98
pumps eng.	621.67	Cerebrospinalis, fasciculus	611.8252
separat'rs dairy	637.23214	Cerebrum	
Centripetal force physics	531.35	action on bloodvessels	612.1811
Centrolepideæ botany	584.82	hart	612.1784
Centrosome histology	611.01816	respiration	612.281
physiology	612.01426	anatomy	611.81
Centrum ovale maj. anat.	611.8137	physiology	612.82
semiovale "	611.8137	Ceremonies customs	394.4
Cephalic part of symp. syst.	611.8391	relig. ritual	264
veins anatomy	611.145465	Ceriman	634.7762

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- Cerium
 group inorganic chem. 546.6
 inorganic chemistry 546.62
 oxalate of therapeutics 615.735
- Cerro Gordo
¹ co. Ia. hist. 977.725
 U. S. war with Mex. 973.6237
- Certainty knowledge 121
 of med. therap. 615.51
- Certification of teachers 371.13
- Ceruminous glands anat. 611.777
 physi. 612.7929
- Cervantes Saavedra, M.de
 Spanish fiction 863.32
- Cervera's squadron
 U. S. war with Spain 973.895
- Cervical
 cord anatomy 611.8212
 ganglion, inferior anat. 611.83916
 superior " 611.83911
 ganglions, symp. physiol. 612.891
 glands anatomy 611.4637
 nerves " 611.833
 plexus " 611.8333
 vertebrae " 611.7111
- Cervix " 611.666
 dilation obstet. op. 618.84
 diseases of women 618.14
- Cesari, A. Italian essays 854.67
- Cession
 of territory pol. sci. 320.1265
 to U. S. of
 Alaska U. S. hist. 973.81
 California " 973.621
 Florida " 973.54
 Louisiana " 973.46
 Philippines " 973.891
 Span. hist. 946.08
 Porto Rico " 946.08
 Porto Rico U. S. hist. 973.891
 Western ter. " 973.318
- Cesspools air pollution 614.764
- Cestoda parasitic diseases 616.964
- Cestoids worms 595.1
- Cetacea zoology 599.5
- Cevennes sheep 636.3468
- ¹Ceylon history 954.8
 travel 915.48
- Chafing dish recipes 641.585
 utensils 643.335
- Chaillatiaceæ botany 583.255
- Chain blocks 621.863
 gearing 621.835
- Chaind books 025.8
- Chains engineering 620.11286
 ship outfit 623.86
- Chair harrow 631.3132
 socialism 335.6
- Chairs domestic econ. 645.41
 lib. econ. 022.911
 rail 625.15
 school furniture 371.631
- Chalcography engraving 762
- Chaldea ancient history 935.1
- Chaldean architecture 722.5
 philosophy 181.6
 religion 299.22
- ⁴Chaldee language 492.2
- Chalets architecture 728.7
- Chalises sacred vessels 247.8
- Chalk lithology 552.54
 beds economic geol. 553.68
- Challenger exped. 1873-76 508.3
- Challenges duels 394.8
- Chalukyan architecture 722.4
- Chalybeate waters geol. 553.73
- Chamber, gun ordnance 623.4237
 music 785.7
- Chamberland filter chem. 542.67
- Chambermaids dom. econ. 647.25
- Chambers
 form of legislature 328.39
 of commerce reports 381
- ¹Chambly co. Que. history 971.437
- Chameleon zoology 598.11
- Chamisso A. von Ger. fic. 833.68
- ¹Champagne, Fr. history • 944.3
 swine 636.441
- Champagne chem. tech. 663.2
- ¹Champaign co. Ill. hist. 977.366
¹ O. " 977.1465
- Championship
 games amusements 790
 ethics 175.7
 school hygiene 371.75
- Champlain
 S: de discov. of Amer. 973.18
- ¹Champlain co. Que. history 971.446
¹ lake " 974.754
 travels 917.4754
 battle Amer. revol. 973.352
 war of 1812 973.5256
- Chance.
 games of amusements 795
 ethics 175.5
 natural theology 214
 probabilities 519
 vs cause metaphysics 122

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Chancellors lives	923.4	Chard	635.42
Chancellorsville, Va. battle	973.7346	Chardoon	635.327
Chancels ecclesiology	246.1	Charente, France hist.	944.65
Chancery, court of	347.99	¹ " Inférieure, Fr. "	944.64
law	347.8	Charger horse	636.13
reports Am. law	345.4	Charging systems libraries	025.6
Eng. "	346.4	Charismata theology	231.7
Chances mathematics	519	Charitable associations	361
Chandeliers design	749	institutions	361
dom. econ.	644.326	Charities Amer. civ. war	973.777
lib. bildings	022.766	and corrections	360
Change of air hygiene	613.12	Great war	940.47
form of state	321.09	¹ Chariton co. Mo. history	977.825
seasons	525.53	Charity ethics	177.7
Changers, frequency eng.	621.31355	public admin.	351.84
Changes of blood, respiration	612.23	schools	377.7
Channel beams engin'g	620.11282	sisters of	271.91
iland cattle	636.2241	sociology	361
¹ ilands history	942.34	Charlatanry quackery	133.7
Channels, hydrografy of	526.99	Charlemagne	
open hydraulics	532.54	age of European hist.	940.14
Channing, W: E. Am. essays	814.23	French "	944.01
Chanson de geste Fr. poet.	841.11	German "	943.01
Roland " "	841.11	legends	398.2
Chant, Gregorian ecclesiol.	246.8	Charles 1 English hist.	942.062
Chants sacred music	783.5	2 " "	942.066
Chapbooks	398.5	Charles 4 French	944.024
Chapelain, J: Fr. poetry	841.44	5 " "	944.025
Chapels architecture	726.4	6 " "	944.026
cemetery "	726.8	7 " "	944.026
Chapin, E. H. Am. oratory	815.35	8 " "	944.027
Chaplains ministry	262.1	9 " "	944.029
army Great war	940.478	10 " "	944.062
U.S.civ.war	973.778	Charles 2 German	943.021
Chaps skin disorders	616.58	3 " "	943.021
Chapter-and-verse div. Bible	220.1	4 " "	943.026
Chapultepec, battle	973.639	5 " "	943.031
Characeæ botany	588.4	Netherl. "	949.202
Character ethics	170	Spanish "	946.04
formation of	374	6 German	943.052
lib. qualifica'ns	023.52	7 " "	943.054
of herd agric.	636.0821	Charles 1 Spanish	946.04
reading	028.9	2 " "	946.053
Characteristics, mental	136	3 " "	946.057
Charades	793	4 " "	946.058
Charbon public helth	614.561	Charles 14 Swedish	948.07
Charcoal		¹ Charles co. Md. history	975.247
and chemicals in sewers	628.237	travels	917.5247
animal chem. tech.	668.7	Charleston, S. C.	
burning air pollution	614.735	campain U. S. civ.war	973.7351
chemic technology	662.7	harbor, 1861 " " "	973.7311
drawing	741	harbor, 1864 U. S. civ.war	973.7364
fuel domestic econ.	644.21	¹ history	975.7
		naval hist. U. S. civ.war	973.753

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Charleston, S. C.		
siege	Amer. revol.	973.3362
travels		917.57
¹ Charleston, W. Va.	hist.	975.438
¹ Charlevoix co. Mich.	"	977.486
¹	Que. hist.	971.449
¹ Charlotte co. N. B.	"	971.533
¹ Charlottetown, P. E. I.	"	971.75
Charmoise sheep		636.3449
Charms	occultism	133.4
Charters	lib. government	023.1
	of cities	352
Chartier, A.	Fr. poetry	841.21
Chartism	Eng. const. hist.	342.42
Chartists	" polit. party	329.942
Chartography	maps, etc.	912
Charts		
geografy		912
history		902
library administration		025.176
maps		912
of comets	astronomy	523.69
moon	"	523.39
planets	"	523.49
stars	"	523.89
statistics		311
sun	astronomy	523.79
special topic	see subject	
Chase	hunting	799
	printing	655.27
Chasing	sculpture	736
Chassis	gun mounts	623.4352
Chastelain, G.	Fr. fiction	843.24
Chastity	ethics	176.1
Chateaubriand, F. A. R.		843.65
¹ Chateaugay co. Que.	hist.	971.433
Chateaux	architecture	728.82
Chatham, earl of	Eng. orat.	825.61
Chatrian, A.	Fr. fiction	843.85
Chattanooga-Ringgold cam-		
pain	U. S. civ. war	973.7359
Chattel mortgage loans		332.313
Chattels	law	347.3
Chatterton, T.	Eng. poetry	821.63
Chaucer, G.	"	821.17
Chaulieu, G. A. de	Fr. poetry	841.47
Chautauqua	self-educat.	374.9
¹	co. N. Y. hist.	974.795
¹ Cheat valley W. Va.	"	975.481
Cheating	ethics	174.7
	student life	371.81
¹ Cheboygan co. Mich.	hist.	977.487
Checkers		794
Checkrowers		631.3324

Checks	banks	332.1
	commerc. law	347.7
	gun mounts	623.4351
	on legislation	328.256
Cheddar cheese		637.3542
Cheeks	anatomy	611.318
Cheerfulness	ethics	179.9
Cheers, college		371.89
Cheese	adulterations	614.327
	dairy	637.3
	physiology	612.09285
Cheiro-	see Chiro-	
Chelonia	reptils	598.13
Chemic		
	affinity	541.39
	agents, effects of diseases	616.987
	analysis	543
	apparatus	542.2
	disinfectants cont. dis.	614.484
	effects of musc. contrac.	612.7442
	electricity engineering	621.35
	elements chem. tech.	661.1
	chemistry	546
	equations	541.9
	fenomena, physiologic	
	nervous influence on	612.8228
	of sleep	612.82175
	fire extinguishers	614.845
	industries	660
	jurisprudence law	340.6
	laboratories	542.1
	architecture	727.5
	manipulation	542.2
	nomenclature	541.9
	phenomena, see fenomena	
	physics	541.3
	physiology	591.1
	stimulation of nerv cells	612.8222
	nervs	612.814
	technology	660
	treatment of wastes	628.544
	works air pollution	614.72
Chemicals	manufacture	661
	in sewers	628.237
Chemigraf	printing	655.32
Chemistry		540
	agricultural	630.24
	analytic	543
	and natural religion	215
	physics	541.3
	applied to the arts	660
	economic zoology	591.64
	industrial chem. tech.	660
	inorganic	546

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Chemistry			
legal	law	340.6	
medical	materia med.	615	
of bile	physiology	612.3571	
cells	"	612.0141	
muscle	"	612.744	
poisons	chem. anal.	543.5	
	toxicology	615.9	
soil		631.41	
organic		547	
physiologic	physiology	612.015	
	zoology	591.19	
study of disease		616.076	
Chemists	biography	925.4	
Chemotaxis	mesology	612.014467	
Chemotropism	"	612.014467	
¹ Chemung co. N. Y.	hist.	974.778	
	formation geol.	551.74	
¹ Chenango co. N. Y.	hist.	974.773	
Chénier, A. M. de	Fr. poet.	841.56	
	M. J. de " drama	842.66	
Chenopodiaceæ	botany	583.914	
Checks, <i>see</i>	Checks		
¹ Cher, France	history	944.55	
Cherbourg, Fr.	U.S.civ.war	973.754	
Cherbuliez, V.	Fr. fiction	843.87	
Cherimoya		634.413	
¹ Cherokee co. Ia.	history	977.717	
Cherry		634.23	
Cherry Valley massacre		973.3345	
Cherub, ship	war of 1812	973.5255	
Chesapeake, ship	" "	973.5253	
¹ Cheshire, England	hist.	942.71	
¹	co. N. H.	974.29	
cheese		637.3542	
Chess	amusements	794	
	ethics	175.4	
	room lib. bildings	022.662	
Chest	anatomy	611.94	
	diseases	616.2	
	surgery	617.54	
¹ Chester co. Pa.	history	974.813	
	plays Eng. drama	822.11	
Chesterfield	" letters	826.52	
Chestnut		634.53	
Chievot sheep		636.3251	
	Leicester sheep	636.3213	
Chiabrera, G.	Ital. poetry	851.51	
¹ Chiapas, Mexico	history	972.7	
Chiasma opticum	anatomy	611.8144	
¹ Chicago	history	977.31	
	travels	917.731	
Chicanery	ethics	174.7	
Chichimec period	Mex. hist.	972.012	
Chick pea		635.667	
Chickamauga, Ga.	campaign	973.7355	
¹ Chickasaw co. Ia.	hist.	977.7315	
Chicken farming		636.5	
	pox diseases	616.914	
	pub. health	614.525	
Chicory	field crop	633.78	
	garden crop	635.137	
	salads	635.54	
¹ Chicotimi co. Que.	history	971.416	
Chief justices	biography	923.4	
	librarian lib. econ.	023.4	
¹ Chihuahua, Mexico	hist.	972.1	
	travel	917.21	
Chilblains	skin disorders	616.58	
Child labor	polit. econ.	331.3	
	welfare	362.7	
Childbirth	obstetrics	618.2	
Childhood		136.79	
Children			
	abnormal child study	136.76	
	education	371.9	
	asylums for architecture	725.57	
	sociology	362.7	
	care of	649.1	
	clothing for dom. econ.	646.36	
	cookery " " "	641.562	
	cruelty to ethics	179.2	
	delineation of	136.75	
	diseases of	618.9	
	duties of ethics	173.6	
	education of	372	
	games of nursery	649.55	
	outdoor	796	
	habits of dom. econ.	649.6	
	hedgear for " "	646.56	
	hospitals for	362.7	
	labor of pol. econ.	331.3	
	manners of dom. econ.	649.6	
	moral care for	377	
	of American revolution	369.137	
Children's			
	crusade European hist.	940.185	
	point of view child study	136.74	
	room lib. bildings	022.58	
Childstudy		136.7	
Chile	administration	354.83	
	botany	581.983	
	finance	336.83	
	geology	558.3	
	history	983	
	maps	912.83	
	schools, public	379.83	
	statistics	318.3	

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Chile	travels	918.3	Chinese		
	treaties	341.283	religion		299.5
	other top. see table 1		servants dom. econ.		647.24
	controversy U. S. hist.	973.86	sheep		636.385
Chili	agriculture	633.843	swine		636.485
Chiliasm	millennium	236.3	watermelon		635.618
¹ Chillicothe, O.	history	977.1821	Chinkapin		634.537
Chilling dairy		637.1331	Chinook language		427
Chillingham cattle		636.221	Chios	ancient history	939.13
Chills and fever	diseases	616.936	¹	modern "	949.93
	pub. helth	614.53		travels	914.993
Chimes of bells	music	789.5	Chippewa, battle war 1812		973.5237
Chimney			¹	co. Mich. hist.	977.491
money	taxation	336.27	¹	Wis. "	977.544
pieces	architecture	729.95	Chirognomy	palmistry	133.6
sweeping	dom. econ.	644.2	Chirografy	penmanship	652
Chimneys			Chiromancy	palmistry	133.6
architecture		729.35	Chiropody	surgery	617.58
heating		697.8	Chiroptera	mammals	599.4
high	sanitary eng.	628.522	Chirosoty	palmistry	133.6
masonry		693	Chisel, pruning.		631.3423
sewer ventilation		628.236	weeding		631.3155
steam engineering		621.1838	Chitarra, C. dalla	It. satire	857.12
China	administration	354.51	Chitin	physiology	612.396172
	botany	581.951	Chittagong fowls		636.5852
	finance	336.51	¹ Chittenden co. Vt.	hist.	974.31
	geology	555.1	Chivalry, age of Europ. hist.		940.17
	history, ancient	931	customs		394.7
	modern	951	Chive	agriculture	635.265
	maps	912.51	Chlænaceæ	botany	583.168
	schools, public	379.51	Chloral hydrate	poisons	615.967
	statistics	315.1	hygiene		613.83
	travels	915.1	hypnotics		615.782
	treaties	341.251	temperance		178.8
	other top. see table 1		Chloranthaceæ	botany	583.926
grass	fibers	633.55	Chlorideæ	forage crops	633.287
jute	"	633.561	Chlorids	fertilizers	631.832
ware	dom. econ.	642.7	as disinfectants		614.487
	fine art	738	Chlorin		
	useful arts	666.5	compounds	air pollut.	614.726
Chinch bug	pests	632.75	mineralogy		549.4
Chinese			inorganic chemistry		546.13
architecture		722.1	salts in urin	physiol.	612.46161
art		709.51	Chloroform	anesthetics	615.781
discovery of America		973.12	poisons		615.966
exclusion act U. S. hist.		973.86	Chlorophyll	botany	581.8
geese		636.59885	Chlorophyllaceæ	botany	589.8
immigration		325.251	Chlorosis	diseases	616.15
labor	polit. economy	331.6	Choate, Rufus	Am. oratory	815.32
language		495	Chocolate	adulterations	614.347
layering		631.5344	agriculture		633.74
literature		895	beverages		641.87
melon		635.618	manufactures		663.9
philosofy		181.1			

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this ind 1

Choctaw language	497	Christian	
literature	897	Brothers monks	271.78
Choice		church	260-289
freedom of metaphysics	123	commission U.S.civ. war	973.7781
psychology	159	connection sects	289.9
of editions	028.2	¹ co. Ill. history	977.381
vocation	374.1	¹ Mo. "	977.879
Choir music	783.8	doctrins	230
Choke cherry	634.24	education	377
coils elec. eng.	621.3146	ethics	171.1
Chologogs therapeutics	615.742	evidences	239
Cholemic duct anatomy	611.367	fathers relig. hist.	270
Cholemia physiology	612.35765	works of	281.1
Cholera		iconography relig. art	246
diseases	616.93	sculpture	732
infantum pub. helth	614.515	institutions	260
protectiv inoculation	614.475	life personal religion	248
public helth	614.514	names	929.4
¹ Cholesterin blood	612.123	philosofy patristics	189.2
nutrition	612.39781	science church	289.5
Chondrocostal joints	611.723	biography	922.85
Chondrostei fishes	597.4	healing law	614.24
Chondrosternal joints	611.723	theology	230.95
Choral servis sacred music	783.24	therap.	615.851
Chorale " "	783.6	sects	280
Chord process geodesy	526.43	socialism	335.7
Chorda tympani anatomy	611.83175	Sunday	263.3
salivation	612.81977	union	280
taste	612.877	unions, young men's	267.233
Chorea diseases	616.851	¹ Christiania, Norway hist.	948.2
Choriambics Gk prosody	486.3	trav.	914.82
Chorion embryology	611.01384	Christianity	
Choroid anatomy	611.8423	and science apologetics	239.8
eye diseases	617.72	evidences	239
physiology	612.8425	history	270-289
plexus anatomy	611.8192	primitiv	270.1
physiology	612.8241	Christians biography	922
Chorus college songs	784.6	sect	286.6
sacred music	783.8	biography	922.6
vocal "	784.86	¹ Christiansand, Nor. hist.	948.3
¹ Chosen history	951.9	Christine de Pisan Fr. fic.	843.21
travel	915.19	Christmas	
Chrestien de Troyes Fr.poet.	841.14	customs	394
² Chrestomathy Eng. lang.	428.7	festival music	783.28
Christ doctrinal theol.	232	school holiday	371.365
life of	232.9	Christology doctrin. theol.	232
Christening baptism	265.1	Christ's thorn agriculture	634.744
customs	392.1	Chromates mineralogy	549.74
Christian		Chromatic	
apologetics	239	aberration optics	535.4
architecture, eccles.	726	scale theory of music	781
medieval	723	Chromatics optics	535.6
art	246	Chromatography	752
associations	267	Chromatolysis physiol.	612.01424

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Chromatophores *physiol.* 612.796
 Chromium *econom. geol.* 553.46
 inorg. chem. 546.76
 group " 546.75
 Chromolithography 764
 Chromometry *colorimetry* 545.8
 Chromophotography 772
 Chromosome bodies *phys.* 612.01424
 Chromosphere *sun* 523.75
 Chromoxylografy 761
 Chronic diseases *pathol.* 616
 Chronicles Bible 222.6
 history see special subj.
 Chronofotografy *physiol.* 612.761
 Chronograf *astronomy* 522.52
 instruments 529.78
 manufacture 681
 Chronograms 529.3
 Chronologies *history* 902
 Chronology *astronomy* 529
 biblical Bible 220.94
 Chronometer
 astron. instruments 522.51
 longitude determination 525.47
 manufacture 681
 Chrysanthemums *horti.* 716.2
 Chrysippus *stoic philos.* 188.3
 Chrysolitic rocks 552.48
Church 260-289
 and clergy law 348
 education 377.8
 state eccl. polity 261.7
 ethics 172.3
 persecutions 272
 polit. science 322
 Apostolic 281.1
 architecture 726
 attendance 264
 authority 262.8
 bells manufactures 673
 music 789.5
 benefices cleric support 254
 biography 922
 calendar, Anglican 264.031
 Christian 260-289
 decoration sacred orn. 247
 disciplin eccles. polity 262.9
 entertainments 259
 fathers 281.1
 fellowship 265.2
 festivals worship 264
 furniture 247
 government 262
 history 270-289

Church
 membership ordinances 265.2
 music 783
 needlework 247
 of England 283
 Rome 282
 Scotland 285.2
 polity 262
 primitiv 270.1
 property
 monastic foundations 271
 polit. science 322
 taxation 336.29
 rates cleric support 254
 religious history 270-289
 sacraments 265
 schools 377
 sects 280
 servises pub. worship 264
 Slavonic language 491.81
 sociology 322
 unity 280
 vestments 247.7
 work 260
 yards cemeteries 719
 see also Religions
 Churches
 and American revolution 973.315
 Great war 1914-19 940.3152
 U. S. civil war 973.715
 architecture 726.5
 burials in pub. helth 614.613
 hygiene 613.55
 library propagandism 021.76
 national vs organic unity 261.8
 various christian 280
 Churchill, C: *Eng. satire* 827.61
 Churning *agriculture* 637.2332
 Churns " 637.2322
 Churra sheep " 636.366
 Churubusco, battle 973.6238
 Chute wagons *farm transport* 631.3725
 Chutes *domestic econ.* 643.6
 Chyle *bloodmaking* 612.119
 digestion 612.3327
 Chyliferous vessels *physi.* 612.33273
 Chyluria " 612.46662
 Cibber, Colley *Eng. dram.* 822.54
 Cibol 635.264
¹Cicada *agriculture* 632.75
 econ. zoology 591.69
 syst. " 595.75
 Cicatrization
 of bone physiology 612.753
 liver " 612.359

Cicatrization			Circuit breakers elec. eng.	621.31736
of nerv centers	physiol.	612.82256	court reports, U. S.	345.41
nervs	"	612.81853	Circular arches	architec. 721.41
physiology		612.603	domes	" 721.46
Cicero	complete works	875.1	functions	trigo. 514.1
Greek filosofy		186.3	section of sewers	628.223
letters		876.1	Circulars, lib. propandism	021.72
life		928.75	Circulating	
orations		875.2	dept hours lib. econ.	024.36
philosofic works		875.4	libraries	027.3
rhetorical works		875.3	Circulation	
Cid, Poema de mio		861.12	and blood	physiology 612.1
Romancero del		861.27	arterial	" 612.133
Cider	chem. technology	663.1	artificial	" 612.1725
Cienfuegos, N.A. de		861.48	capillary	" 612.135
Cifer writing		652	cerebral	" 612.824
Cigar making		679	in sleep	" 612.82174
see also Tobacco			cerebro-spinal diseases	616.81
Cilia			effect of	
anatomy	of eye	611.8475	glands on	physiol. 612.402
histology		611.01818	on glands	" 612.401
physiology	of eye	612.847	respiration on	" 612.213
vibratil	physiology	612.72	special organs on	" 612.19
Ciliary			embryonic	" 612.179
body	anatomy	611.8425	hepatic	" 612.3515
eye diseases		617.72	hydraulic princip. of	" 612.13
physiology		612.842	in animals	zoology 591.11
ganglion	anatomy	611.89152	lungs	physiology 612.2158
glands	"	611.775	muscles	" 612.74161
muscle	"	611.8425	plants	botany 581.11
processes	"	611.8425	spleen	physiology 612.412
Ciliata	zoology	593.17	intestinal	" 612.3355
Cilicia	ancient history	939.35	lymfatic	" 612.423
modern	"	956.4	money	332
travel		915.64	oceanic	ocean currents 551.47
Cinchonia	materia med.	615.336	ocular	physiology 612.8426
Cincinnati			of blood	history 612.109
city, O.	history	977.178	prenatal	physiol. 612.179
travels		917.7178	pressure in	physiology 612.14
society of		369.131	renal	" 612.4634
daughters of		369.132	retinal	" 612.84313
Cinematics	mechanics	531.1	uterin	" 612.6271
Cinerary urns	customs	393.2	venous	" 612.134
Cinerea	anatomy	611.822	Circulators	elec. eng. 621.3525
Cinnamon	agriculture	633.833	Circulatory	
Cipher writing		652	organs	comp. anat. 591.41
¹ Circassia	history	947.9	descr.	" 591.71
Circassian sheep		636.385	system	anatomy 611.1
Circle	Ger. local gov.	352.0433	diseases of	616.1
of Willis	anat.	611.1349	drugs acting on	615.71
sailing, great		527.5	system	physiology 612.1
Circles	perspectiv	515.65	surgery	617.41
plane geometry		513.21	Circumanal glands	anat. 611.776
prehist. archeol.		571.95		

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Circumcision	customs	392.1	City		
	surgery	617.46	planning		710
Circumflex			special cities		914-919
axillary arteries	anat.	611.1341	property	local gov.	352.1
iliac artery, deep	"	611.13782	transit	sociology	388
extern.	"	611.137842	vs country colleges		378.153
Circumnavigations		910.4	Cive agriculture		635.265
Circumpolar stars	maps	523.89	Civil		
Circumposition layering		631.5344	authority	local gov.	352
Circumstantial evid.	law	347.94	engineering		620
Circumvallation	mil. eng.	623.22	government	polit. sci.	320
Circuses	amusements	791	and the church		322
ethics		175.1	ethics		172.3
feeding		641.577	relig.		261.7
Cirripedia	zoology	595.35	law	foren	349
Cisoid curvs	anal. geom.	516.26	liberty	polit. science	323.44
Cistercian monks		271.12	lists		351.2
Cisterns	rural water sup.	628.7	pensions	administra.	351.5
Cistineæ	botany	583.134	procedure	law	347.9
Citadel	mil. engineering	623.132	rights	constitutional law	342
Cités ouvrières	architec.	728.13	legal capacity		347.1
Cities			act	U. S. hist.	973.82
administration		352	servis	administration	351
ancient	description	913.3	library	econ.	023.2
beautification		710	municipal gov.		352.005
buried	description	913.3	officials, lives		923.5
free	German gov.	354.4309	suffrage		324.173
growth of	administration	352.001	reform	admin.	351.6
statistics		312	1871	U.S.hist.	973.82
helth of		614.145	1883	"	973.84
plans of		912	trials		347.9
scavenging of		628.4	war ass'ns, confederate		369.17
water and sewerage wks		628.09	Union		369.15
Citizens, duties of	ethics	172.1	ethics		172.4
Citizenship			slavery		326
constitutional amendment			U. S. history		973.7
U. S. history		973.81	Civility	ethics	177.1
law		347.1	Civilization and the church		261.6
political science		323.6	history		901
Citrates	diuretics	615.761	philosofy of		901
Citrin	perfume plants	633.813	primitiv		571
Citron		634.331	¹ Clackmannan, Scot.	hist.	941.35
group	fruits	634.33	Claims against governments		336
melon		635.615	U. S. court of	hist.	347.99
Citrous fruits	agric.	634.3	reports		345.41
City			Clairvoyance		134
governments	adminis.	352	Clambakes	dom. econ.	642.45
halls	architecture	725.13	Clamps	practical chem.	542.24
homes of poor	"	728.11	Clams	culture	639.4
hotels	"	728.51	zoology		594.1
houses	"	728.3	Clans	genealogy	929.2
life			political science		321.2
mortality	pub. helth	614.145	Scottish history		941

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

¹ Clare co. Ireland	history	941.93
¹ Mich.	"	977.471
Clarinet	wind instru.	788.6
¹ Clarion co. Pa.	history	974.869
¹ Clark co. Ill.	history	977.371
	travels	917.7371
¹	Ind. history	977.218
¹	Mo. "	977.834
¹	O. "	977.149
¹	Wis. "	977.528
¹ Clarke co. Ia.	history	977.7856
Clarke's colum	anatomy	611.8223
Clark's exped.	Am. revol.	973.3348
¹ Clarksburg, W. Va.	hist.	975.458
Class		
days	student customs	371.896
feeling	ethics	177.5
meetings	pub. worship	264.8
representation	pol. sci.	328.3344
re-unions	colleges	378
	student cus.	371.89
room	lib. bildings	022.653
system	suffrage	324.214
Classed catalogs	bibliog.	017
	lib. adm.	025.3
Classes		
of library constituency		021.28
school organization		371.25
social, courses for different		375.007
political sci.		323.3
Classic		
antiquities		913.38
biografy		920.03
education		375.88
geografy		912.3
literature		880
	Greek	880
	Latin	870
	mythology	292
⁴ philology	Greek lang.	480
⁴	Latin "	470
	schools, private educ.	373
	public "	379
Classics	Greek literature	880
	Latin "	870
Classification		
chemistry		541.9
library		025.4
of animals	zoology	590.1
books	lib. econ.	025.4
diseases	medicin	616.01
economics		330.12
knowledge	methodol.	112
languages	philology	401

Classification		
of plants	botany	580.1
	primary cells	el. eng. 621.3538
	sciences	nat. sci. 501
	soils	631.44
	philosofy	112
Clastrum	anatomy	611.81323
Clavichord	mus. instrum.	786.1
Clavicle	anatomy	611.7172
Clay, Henry	Am. oratory	815.25
Clay	chemic technology	666.4
¹	co. Ill. history	977.3795
	travels	917.73795
¹	Ind. history	977.244
¹	Ia. "	977.715
¹	Mo. "	977.816
¹	W. Va. "	975.467
	modeling	elem. educ. 372.53
	petrografy	552.52
Clays	economic geol.	553.61
¹ Clayton co. Ia.	history	977.736
Clayton-Bulwer	treaty	973.64
Cleaners	library servis	023.796
	vacuum dom.ec.	648.52
	engin'g	621.55
Cleaning	chem. tech.	667.1
	dom. econ.	648
	dry domestic econ.	646.6
	farm operations	631.562
	laundry domestic econ.	648.1
	pneumatic	621.549
	tools for agriculture	631.362
Cleanliness,	see	Clenliness
Cleanthes	stoic philos.	188.2
Clean-up week	sanitation	628.44
¹ Clearfield co. Pa.	history	974.861
Clearing house	banking	332
	for lib. dupli.	025.267
Cleavage	crystallografy	548.3
	geology	551.84
Cleft grafting		631.54131
Clemency	ethics	179.9
Clemens, S. L.	Am. humor	817.44
Clement	philosofy	189.2
Clementine	sheep	636.373
Clementines	Apocrypha	229.9
Clenliness		
of body	hygiene	613.4
	clothing "	613.483
	markets	dom. econ. 641.4
	zootechny	636.0832
Cleopatra's	needle monu.	718
Clepsydra	chronology	529.78
Cleptomania	derangem'ts	132.6

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Clerc, Jean de Dutch misc.	839.381	¹ Clinton, Pa. history	974.854
Clergy		Port Am. revol.	973.3335
and Amer. revolution	973.315	Clinton's advance " "	973.3335
Great war	940.3152	Clipping pruning	631.54223
U. S. civil war	973.715	zootechny	636.0833
benefit of legal antiqui.	340.3	Clippings lib. adminis.	025.175
canon law	348	lit. methods	029.3
celibacy ethics	176.2	Clitoris anatomy	611.675
pastoral theol.	254	Cloakmaking dom. econ.	646.45
ethics	174.1	trade	687
holy orders	262.1	Clock, sidereal	522.51
in legislativ bodies	328.3324	Clockmaking	681
library propagandism	021.76	Clocks artistic furniture	749
lives of	022	chronology	529.78
pastoral work	250	dom. economy	645.5
reservs Can. hist.	971.3	lib. " "	022.923
Cleric support	254	Clod breakers	631.3143
tithes	336.21	crushers	631.3143
Clerical servis lib. econ.	023.76	Cloisterd nuns	271.96
Clerks legislativ employees	328.3623	Cloquet's canal anat.	611.8447
lib. econ.	023.763	Close communion baptists	286
occupation hyg.	613.65	sacrament	265.3
¹ Clermont co. O. history	977.179	vs broad classification	025.4
Cleveland, G. 1st presidency	973.85	Closed circuit cells eng.	621.3536
2d " "	973.87	Closet, earth san. engin'g	628.43
¹ Cleveland, O. history	977.132	water air pollution	614.764
travels	917.7132	san. engin'g	628.6
Cleveland bay horse	636.1421	Closing of libraries lib. econ.	024.4
Cliff dwellings archeol.	571.84	Cloth manufactures	677
Climacterics physiology	612.66	Clothes dom. economy	646
vital statis.	614.13	Clothesmaking trade	687
Climate		Clotheswringers dom. econ.	648.3
effects of diseases	616.988	Clothing	
mental char.	136.2	adapted to season	646.09
therapeutics	615.834	care of children	649.4
farm economics	631.11	disinfection, contag. dis.	614.48
hygiene	613.11	domestic economy	646
influence on man	573.4	for frigid zones dom. ec.	646.091
physical geology	551.5	tropics " "	646.092
relation to ration physiol.	612.3955	hygiene	613.48
seasons	525.5	of laboring classes	331.83
Climatology contag. dis.	614.42	physiology of	612.5211
phys. geog.	551.5	support from hips	613.484
Climbers birds	598.7	Clouds meteorology	551.57
Climbing plants habits	581.5	artificial agriculture	632.114
Clinics medical educa.	610.7	Clover heders	631.3543
¹ Clinton city, Ia. history	977.7671	Clovers forage crops	633.32
¹ co. Ill. " "	977.387	zootechny	636.08632
travels	917.7387	Cloves spice plants	633.832
¹ Ind. history	977.255	Club foot surgery	617.39
¹ Ia. " "	977.767	houses architecture	728.4
¹ Mich. " "	977.424	libraries	027.2
¹ Mo. " "	977.8155	table system	642.54
¹ N. Y. " "	974.754		

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Clubs			Coast		
boys	sociology	369.42	mounts	ordnance	623.433
	agric.	630.717	pilot		656
	domestic economy	647.94	survey, U. S.	geodesy	526
girls	sociology	369.46	tides		525.64
	agric.	630.717	Coasting	sports	796
library	economy	020.62	Coasts, hydrografy	of	526.99
literary	education	374.2	Coatroom	lib. bildings	022.685
social		367		attendants, lib.	023.794
	workingmen's architec.	725.93	Coats, indoor	dom. econ.	646.43
Clun Forest	sheep	636.3243	of arms	heraldry	929.8
Clusters and nebulae	stars	523.85	outdoor	dom. econ.	646.45
Clutches	mech. engin'g	621.825	Cobalt	inorg. chem.	546.73
Clydesdale	horse	636.1521	ores	econom. geol.	553.48
Cnidaria	zoology	593.5	Cobnut		634.54
Coach bilding	mech. trade	684	Cobs	horse	636.13
horse		636.14	Coca	hygiene	613.85
Coaching	amusements	798	Cocain	anesthetics	615.781
	business	656	Cocainism		
Coachman	dom. econ.	647.3	ethics		178.8
Coagulation			hygiene		613.85
of blood	leucocytes	612.1125	medicin		616.86
	physiology	612.115	Coccygeal		
Coal			joints	anatomy	611.7218
economic	geology	553.2	gland	"	611.48
fuel	chemic technology	662.6	muscles	"	611.7369
	domestic economy	644.22	nervs	"	611.836
	metallurgy	669.8	Coccyx	"	611.7118
gas	domestic lights	644.313	Cochil	sapota	634.343
	heating	697.6	¹ Cochin China, Fr.	history	959.7
	illuminating	665.7	fowls		636.5851
	heating	prac. chem.	Cochineal	agriculture	638.3
	mineralogy	549.8	dyeing		667.2
	mining	622.33	Cochlea	anatomy	611.8521
	oil	chemic tech.	physiology		612.8584
	domestic lights	644.312	Cochlear	nerv anat.	611.83181
	economic geology	553.28	nucleus	"	611.8177
	mineralogy	549.8	path	"	611.83181
	tar colors	chem. tech.	Cock	fighting	791
	products	" "	ethics		175.6
	therapeutics	615.75	Cockles	culture	639.4
	trade	338.2	Cockroaches	dom. econ.	648.7
	washing	ore dressing	zoology		595.72
Coalescence		622.78	Coco	adulterations	614.347
fetuses	deformities	617.35	agriculture		633.74
	embryology	611.012	beverages		641.87
incomplete	deformities	617.32	manufacture		663.9
of parts	"	617.33	palm	fruit culture	634.61
Coast			Coconut	fruit culture	634.61
artillery	gunnery	623.553	fiber		633.581
	mil. engin'g	623.417	Cocoon	silkworms	638.2
changes	erosion	551.36	Cod	fishery	639.2
defense	military eng..	623.3	Code	Napoleon	Fr. law
frontier	pol. sci.	320.1288	telegrafy, hand operat.	621.3823	

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Codes	American law	345.22
	telegraphic elec. eng.	621.38215
Codices	Bible mss	220.4
Codification		
	legislation	328.23
	of law U.S. law	345.2
Coeducation		376.7
	of races	371.99
Coele Syria	anc. history	939.42
Coelenterata	zoology	593.3
Coeliacus plexus	anat.	611.83931
Coelom	"	611.389
	embryology	611.01366
Coffee	adulterations	614.347
	agriculture	633.73
	botany	583.52
	commercial mix. of	663.9
	domestic economy	641.87
	houses customs	394.1
	hygiene	613.37
	physiology	612.3932
	stimulants	615.711
Cofferdams	bridgebuilding	624.157
	river eng.	627.8
Coffins	burial customs	393.1
	perishable pub. helth	614.614
Cognition	metaphysics	126
Cogwheels	mech. eng.	621.83
¹ Cohahuila, Mex.	hist.	972.1
Coherers	wireless teleg.	621.3843
Cohesion	physics	539.2
Coils		
	choke elec. engin'g	621.3146
	elec. apparatus physics	537.86
	induction elec. engin'g	621.3147
	theory of dynam. elec.	537.51
Coin collectors, telephone		621.38692
Coinage	administration	351.822
	polit. economy	332.4
	act U. S. history	973.82
Coins	numismatics	737
Coir	agriculture	633.581
Coke	chemic tech.	662.7
	domestic. econ.	644.22
	metallurgy	669.8
Cola		633.76
¹ Colchester co. N. S.	history	971.612
Colchis, Asia	ancient hist.	939.53
Cold		
	antipyretics	615.75
	baths hygiene	613.43
	drinks	613.36
	exposure to protec. of life	614.87

Cold		
	frames forcing	631.5442
	protection	631.3442
Harbor, Va.	U.S.civ.war	973.7368
imponderable remedies		615.832
physics		536
physiologic effects		612.59
protection of animals		636.08361
storage architecture		725.35
	food preservat.	641.4
wether cookery		641.591
Colds	catarrh	616.205
¹ Cole co. Mo.	history	977.855
Colenso controv. Pentateuch		222.1
Coleochaeteæ	botany	589.47
Coleoptera	pests	632.76
	zoology	595.76
Coleridge, S: T.	Eng. poetry	821.72
¹ Coles co. Ill.	history	977.372
Coleshill swine		636.4223
Colic	diseases	616.34
	painters poisons	615.928
¹ Colima, Mexico	history	972.3
Coliseum	Rom. antiq.	913.376
Collapse	lung diseases	616.249
Collar bone	anat.	611.7172
Collards		635.347
Collars	toilet	646.48
Collation	library econ.	025.235
Collected	biography	920
	sermons	252
	travels	910.8
	works, see subject	
Collecting		
	biology	579.6
	book library econ.	025.2
	bottle biology	579.612
	business methods	658
Collection of fertilizers		631.812
	taxes finance	336.29
Collections		
	art galleries	708
	engravings	769
	of poetry Amer. liter.	811.08
	Eng. "	821.08
	photografy	779
	special library rooms	022.64
	useful knowledge	602
	vocal music	784
	other topics, see subject	
Collectiv housekeeping		647.9
Collectors	elec. traction	621.3344
	manuals biology	579
Collects	Anglican ritual	264.036

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

College	
cheers student customs	371.89
degrees	378.2
education, cost of	378.368
electoral suffrage	324.249
entrance requirements	371.214
founders' lives	923.7
journalism colleges	378.05
journalism	070.489
libraries	027.7
functions	371.647
men in Amer. revolution	973.315
men in U. S. civ. war	973.715
responsibilities	378.069
regattas athletics	371.75
relief units Great war	940.4777
settlements labor. classes	331.85
societies student life	371.83
songs	784.6
sports	371.74
Y. M. C. A.	267.361
Colleges	
agricultural	630.711
and universities	378
architecture	727.3
business	650.7
or women	376.8
separate vs coed.	376.7
gymnastics in	371.7324
hygiene	613.54
in American revolution	973.315
U. S. civ. war	973.715
Collegiants sects	284.9
Collegiate education women	376.6
Collenuccio, P. Ital. essays	854.24
Collier controv. Shakspeare	822.33
Collieries mining eng.	622.23
Colliers shipbuilding	623.826
Collimation constant astron.	522.35
Collin-Harleville, J. F.	842.62
Collins, W: Eng. poetry	821.57
Collisions at sea marit. law	347.7
Collodion process photog.	772
Colloids mesology	612.0144625
theoretic chem.	541.3452
Colman, G: sr Eng. drama	822.63
¹ Cologne history	943.42
travel	914.342
¹ Colombia, S. Am. history	986
travels	918.6
Colon anatomy	611.348
Colonial dames of Amer.	369.122
nat'l soc. of	369.123
daughters of 17th century	369.128
Colonial	
history, U. S.	973.2
law English statutes	346.1
order of the acorn	369.126
representation pol. sci.	328.3343
societies	369.12
society of Pennsylvania	369.127
system political science	325
wars, society	369.121
Colonies penal law	343.2
political science	325
Colonization, African	325.6
hist. of Africa	960
political sci.	325.3
Colonizing electoral fraud	324.272
Colonnades arch. design	729.32
walls	721.26
Colony	
character stockbreeding	656.0821
composition "	656.0823
Colophons incunabula	093
Color	
blindness eye diseases	617.75
physiology	612.8455
fotografy	772
in man nat. hist. of man	573.5
plants botany	581.157
of animals zoology	591.157
blood physiology	612.111
optics	535.6
painting	752
printing	655.32
sense mental faculty	152.1
sight physiology	612.84331
suffrage	324.15
Colorado, U. S.	
admission U. S. history	973.82
discovery of America	973.16
¹ history	978.8
mil. hist. U. S. civ. war	973.7488
war with Spain	973.89488
river hemp	633.566
travel	917.88
Coloration of flame chem.	542.52
Colorational variation zool.	591.157
Colord audition physiol.	612.84373
men Y. M. C. A.	267.365
races somatology	573.5
tiles roofs	721.56
swine, medium	636.426
Colorimetric analysis chem.	545.8
Coloring	
butter	637.26
dyeing	667.2

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- Coloring
 matter of bile *physiol.* 612.35713
 urine " 612.46127
 matters *org. chem.* 547
- Colors
 artificial *chem. tech.* 667.2
 college 378.28
 ecclesiology 246.6
 literary methods 029.1
 manufacture of paints 667.6
 military science 355.15
 painting *fine arts* 752
 trade 698.1
 practical printing 655.32
- Colosseum *Rom. antiq.* 913.376
- Colossians *epistles* 227.7
- Colossus of Rhodes *monum.* 718
- Colostrum *physiology* 612.66435
- Colportage *parochial* 259
- Colt gun *ordnance* 623.4225
- Colum, spinal *anatomy* 611.711
- Columbates *mineralogy* 549.71
- Columbia college 378.747
- ¹Columbia co. N. Y. *hist.* 974.739
 1 Pa. " 974.838
 1 Wis. " 977.581
 1 Dist. of " 975.3
 trav. 917.53
- ¹Columbiana co. O. *hist.* 977.163
- Columbium *inorg. chem.* 546.891
- Columbus *discov. of Amer.* 973.15
- ¹Columbus O. *history* 977.157
 day sch. observ. 371.365
- Columelliaceæ *botany* 583.829
- Columns
 architectural *construc.* 721.3
 design 729.32
 carpentry 694.4
 carvd *arch. decorat.* 729.57
 of cord, posterior *anat.* 611.826
 painted *arch. decorat.* 729.47
 sculpture 730
 strength of materials 620.11283
- ¹Colusa co. Cal. *hist.* 979.433
- Combat, judicial *leg. antiq.* 340.3
- Combination
 arithmetic 511.5
 cars *railway engin'g* 625.24
- Combinations
 industrial *polit. econ.* 338.8
 of capital " 331.1
 labor " 331.87
- Combinatory anal. *algebra* 512.5
- Combined
 harvester and thresher 631.3542
 system of sewerage 628.211
- Combretaceæ *botany* 583.414
- Combs *customs* 391.5
- Combustibles, storage 614.831
- Combustion
 chemistry 541.39
 engines, internal 621.43
 heat 536.46
 in furnaces *indus. sanit.* 628.524
 steam generation 621.182
 locomotivs 621.1331
- ⁴Comedy *Eng. drama* 822
- Comella, L. F. Span. " 862.41
- Comets 523.6
 charts 523.69
 connection with meteors 523.56
 maps *observations* 524.6
 observation of 523.69
 theory 521.7
- ⁴Comic journals *Eng. liter.* 827
 journalism 070.487
 music dramatic 782.6
 6 works *Eng. liter.* 827
- Commagene, Asia *anc. hist.* 939.36
- Command *mil. science* 355.331
- Commanders *biografy* 923.5
- Commelinaceæ *botany* 584.32
- Commemorations
 Great war 1914-19 940.46
 military science 355.16
 U. S. history *civil war* 973.76
 Mex. " 973.626
 revolution 973.36
 Span. war 973.896
 war of 1812 973.526
- Commemorativ sermons 252.9
- Commensalism *zoology* 591.5
- Commentaries, Bible 220.7
 law 347
- Commerce, interstate 385
 regulation law 347.7
 sociology 380
 useful arts 650
- Commercial
 agencies *credit* 332.7
 arithmetics *mathematics* 511.8
 bildings *architecture* 725.2
 care of 647.96
 establishments *library* 020.65
 fertilizers *air pollution* 614.748
 industry *state control* 351.824
 law 347.7

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Commercial	
morals ethics	174
panics polit. economy	332
travelers Y. M. C. A.	267.363
traveling commerce	658
Commission government	352.008
Commissions	
bilding	692.8
library	027.4
middlemen pol. econ.	331.236
ordnance	623.4823
parliamentary legislat'n	328.372
special	" 328.3628
Commissure	
extension of deformities	617.34
of cord, anterior anat.	611.8258
posterior "	611.8269
Committee	
procedure legislation	328.3742
Committee:	
legislativ bodies	328.3627
library	023.3
see also distinctiv name	
Common bantams	636.58711
carriers law	347.7
currant	634.722
law, American	345
British	346
right copyr't	655.61
treatises	347
pleas, court of	347.99
prayer Ang. rit.	264.03
schools, public	379
Commonplace books	029.4
Commons, house of Eng.	328.42
student life	371.88
Commonwelth Eng. hist.	942.063
Rom. "	937.02
Commonwelths, ideal	320.1
Communal marriage	392.6
Commune, French loc. gov.	352.0446
Ger. " "	352.0434
of 1871 Fr. hist.	944.08
polit. economy	335
Communes, age of, in Italy	945.04
Communication	
administration	351.81
electric engineering	621.38
farm economics	631.11
heat	536.2
magnetism	538.2
mode of contag. dis.	614.43
sociology	380
useful arts	650
Communion, close baptists	286
holy sacram.	265.3
servis mus.	783.21
Communism polit. econ.	335.4
Communists, French	335
Community	
centers	374.28
of land pol. econ.	333.2
Commutators elec. engin'g	621.316
physics	537.6
Compact ethics	174.7
Companies associations	360
joint stock law	347.7
Comparativ	
anatomy animals	591.4
plants	581.4
embryology zoology	591.3
legislation	340.5
medicin	619
mythology	291
philology	410
physiology zoology	591.1
religion	290
theology dogmatics	230
wages polit. economy	331.2
Comparetti, D. Ital. essays	854.86
Comparison	
¹ signs of Eng. etymol.	422.6
inflection	425.16
Compass magnetism	538.7
variations of astron.	522.76
Compass s ship outfit	623.86
² Compends, see subject	
Compensation	
labor pol. sci.	331.2
legislatures	328.333
Compensator potential	
regulators elec. eng.	621.31451
Compensators " "	621.31327
Competency	
of voters pol. sci.	324.14
Competition prices	338.5
wages	331.2
Competitions	
agricultural	630.719
school	371.535
Competitiv	
examinations, civ. serv.	351.3
schools	371.27
music festivals	784.5
Complex ores metallurgy	669
variables calculus	517.8
Complexus muscle anat.	611.7314
Complications in labor obst.	618.5

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- Compline Anglican ritual 264.034
 Composers biography 927.8
 Composit
 electrode arcs elec. light 621.3256
 floors and flooring 721.65
 fuels steam engineering 621.18225
 order of architecture 729.32
 power electric plants 621.312135
 ships shipbuilding 623.84
 structures arch. const. 721.94
 Compositæ botany 583.55
 Composition
 architectural design 729.11
 artistic typesetting 655.25
 butter 637.22
 cheese 637.32
 elementary English 428.2
 fertilizers 631.813
 food zootechny 636.0851
 milk 637.127
 music 781.6
 rhetoric 808
 soil 631.411
 typesetting 655.25
 with creditors law 347.7
 Compost heap agric. 631.875
 Compound
 engins 621.11262
 floors and flooring 721.64
 stationary engins 621.1647
 structures bridgebuilding 624.7
 wound generators 621.313234
 Compounds
 types of chem. 541.4
 with metals org. chem. 547.9
 Compressibility of air pneu. 533.2
 Compressing rams engin'g 621.274
 Compression
 of brain physiology 612.82455
 gases physics 533.2
 strength of materials 620.11242
 Compressor nasi anat. 611.7323
 Comprest air engins 621.42
 machinery 621.5
 therapeutics 615.836
 Compromise
 ethics 171
 Missouri U. S. history 973.54
 of 1850 " civ. war 973.7113
 " history 973.63
 tariff act " " 973.56
 Compromises, slavery
 U. S. hist. 973.7113
 Compton co. Que. history 971.468
 Compulsory
 education 379.23
 insurance 331.25
 labor polit. econ. 331.57
 vaccination pub. helth 614.4738
 voting political sci. 324.215
 Compurgation legal antiq. 340.3
 Computation arithmetic 511
 bridge stresses 624.171
 Comte French philosophy 194.8
 positivism 146
 Comtoise sheep 636.3443
 Concept mental philos. 153.1
 of state pol. sci. 320.15
 Conception
 immaculate Christology 232.1
 physiology 612.63
 Concert room lib. bildings 622.651
 teaching 371.31
 Concertina music 786.9
 Concerto orchestral mus. 785.6
 Concerts amusements 791
 Conchae anat. 611.7147
 Conchifera brachiopoda 594.8
 lamellibranch. 594.1
 Conchoid curv anal. geom. 516.26
 Conchology 594
 Conclave, papal eccles. pol. 262.13
 Concord, battle Am. revol. 973.3311
 philosophy 191.3
 Concordances, Bible 220.2
 ² special, see subject
 Concordat eccles. polity 262.13
 internat. law 341.2
 Concrete
 bilding material 691.3
 ceilings 721.75
 chemic technology 666.8
 construction 693.5
 engineering material 620.136
 floors architecture 721.62
 fortifications mil. eng. 623.123
 foundations 721.13
 pavements engin'g 625.84
 piers and colums 721.33
 reinforced engineering 620.137
 roofing 695.6
 roofs architec. 721.52
 sidewalks pavements 625.8
 village houses 728.64
 walls 721.23
 see also special structures
 Concretion geologic agent 551.98
 Concubinage sex customs 392.6

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Concussion injuries	617.21	Confederate	
of brain physi.	612.82455	states of Amer. formd	973.713
Condensed books	rarities 098	civ. war	973.7
Condensation		survivors association	369.171
action of heat	536.44	veterans	369.172
of effluvium sanit. eng.	628.523	united	369.174
vapor pneumatics	533.1	united sons of	369.173
Condensed milk dairy	637.142	Confederation	
pub. helth	614.324	American colonies	973.318
Condensers chemistry	542.48	Canadian provinces	971.05
elec. engin'g	621.315	form of state	321.022
electricity	537.24	North German	943.081
steam engin'g	621.1976	of the Rhine	943.06
telephone	621.3865	1783-89 U. S. history	973.318
Condensing engines	621.11252	Conference meetings, church	264.7
pump pneu.	533.83	Conferences	
Condensst milk dairy	637.142	legislativ procedure	328.3742
pub. helth	614.324	library	020.6
Condillac French philos.	194.3	on candidates suffrage	323.233
Condimental		Confession	
herbs field crops	633.84	and absolution sacram'ts	265.6
garden "	635.7	Augsburg creeds	238.4
Condiments adulterations	614.314	auricular sacram'ts	265.6
chem. tech.	664.5	Confessional Roman ch.	282
zootechny	636.0877	Confessions creeds	238
Conditional		of faith ritual	264.5
immortality	237.3	Confidence practises	174.6
sentences English	425.4	Confinement	
Greek	485.4	obstetries	618.4
other lang.		punishment crim. law	343.2
Conditions influencing ani-		schools	371.56
mal temperature	612.54	solitary, crim. law	343.2
Condits		prison disciplin	365
electric lines	621.319233	Confirmation sacraments	265.2
subsurface roads	625.78	Conflagrations	614.84
telegraf	654.4	Conflict of duties	171
ventilation	697.9	laws intern. law	341.5
waterworks	628.14	Conformity Anglican ch.	283.42
Conduct of life ethics	170	Confucianism religion	299.5
Conduction electricity	537.22	Confucius Chinese philos.	181.1
heat	536.2	Congelation physics	536.43
Conductivity of rocks geol.	551.14	Congenital	
Conductors elec. engin'g	621.3193	defects of body hyg.	613.91
Condylarthrosis anat.	611.72962	teratol.	611.012
Cone modern geometry	513.53	distortions surgery	617.39
solid	513.42	Congestion of the lungs	616.242
Conestoga draft horse	636.158	Conglomerate lithology	552.51
Confectionery	641.85	Congo, <i>see</i> Kongo	
adultera.	614.311	Congregation eccle. polity	262.2
Confederacy, daughters of	369.175	Congregational church	285.8
Confederate		creed	238.5
navy U. S. civ. war	973.757	orders	262.19
		singing	783.9
		Congregationalism sects	285.8

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- Congregationalists** lives 922.5
- Congress**
- of nations intern. law 341.1
 - Vienna Europ. hist. 940.27
 - internat. law 341.1
 - U. S. legial. bodies 328.73
- Congresses, library 020.63
- ² see also special subject
- Congressional**
- debates, U. S. 328.732
 - directories " 328.738
 - documents " 328.734
- Congreve, W: Eng. drama 822.46
- Conic**
- projections descrip. geom. 515.4
 - spheric " 515.56
 - sections analyt. geom. 516.22
 - geometry 513.22
- Conicoids** analytic geom. 516.42
- Conics** " " 516.53
- modern " 513.53
- Coniferæ** botany 585.2
- Conium** nervous depress. 615.786
- Conjugate forms** invariants 512.88
- Conjugateæ** botany 589.61
- Conjugation** Eng. gram. 425.18
- Fr. " 445.18
 - Ger. " 435.18
 - Gk " 485.18
 - Lat. gram. 475.18
 - other lang.
- Conjunctions**
- etymology English 422.9
 - Greek 482.9
 - Latin 472.9
 - other lang.
- solar system** 523.23
- syntax** English 425.9
- Greek 485.9
 - Latin 475.9
 - other lang.
- Conjunctiv**
- mood, etymology Greek 482.8
 - Latin 472.8
 - other lang.
 - syntax English 425.8
 - French 445.8
 - Greek 485.8
 - Latin 475.8
 - other lang.
- Conjunctiva** anatomy 611.8411
- eye diseases 617.71
 - physiology 612.8411
- Conjuring** sorcery 133.4
- Conkaneë** hemp agric. 633.562
- Connaraceæ** botany 583.31
- Connaught, Ire.** history 941.7
- Connecticut, U. S.**
- Arnold in Am. revol. 973.3377
 - ¹ history 974.6
 - For military history see subdivisions of Special campaigns and Military history under 973.3. 973.7 and 973.89
 - Pequot war 973.22
 - travel 917.46
 - Tryon in Am. revol. 973.3351
- Connections, volt. cell** eng. 621.3526
- Connectiv tissue** anat. 611.76
- diseases 616.77
 - histol. 611.0182
- Conquest**
- international law 341.3
 - Norman Eng. hist. 942.02
 - of Greece by Rome 938.08
 - Mexico by Spain 972.02
 - territorial pol. sci. 320.1269
- Conrad 1** Ger. history 943.022
- 2 " " 943.023
 - 3 " " 943.024
 - 4 " " 943.025
- Consanguinity** law 347.6
- physiol. 612.607
- Conscience, H.** Dutch fic. 839.3355
- Conscience** ethics 171.6
- freedom pol. science 323.442
- Consciousness** philosophy 126
- Conscription** mil. science 355.22
- U. S. history 973.7414
- Consecration** 265.9
- sermons 252.7
- Conservation of**
- energy physics 531.6
 - fertilizers agric. 631.812
 - forces physics 531.6
 - moisture agric. 631.7
 - national resources 339
 - natural " 333
- Conservatism** 137
- Conservatories** architect. 728.98
- music 780.7
 - plants 716.3
- Consols** Eng. finance 336.42
- Consonants** language 421.3
- physiology 612.7894
- Conspiracies** crim. law 343
- Constables** 352.2
- Constance, council of**
- 1414-8, Hussites 284.3
 - religious history 270.5

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Constant de Rebecque	843.63	Construction	
Constant		systems shipbuilding	623.84
current analysis chem.	545.311	Consular	
syst. arc light	621.3252	reports	382
transformers	621.31432	systems intern. law	341.8
potential syst. arc. light	621.3253	Consulate, 1st Fr. hist.	944.046
transformers	621.31431	Consuls	327
speed motors	621.313245	Consulting librarian	023.4
voltage analysis chem.	545.312	Consumers leag	331.8
Constantine the Great		Consumption	
Byzant. hist.	949.501	butter	637.24
Constantinople		cheese	637.34
¹ history	949.61	final pol. econ.	339
Latin conquest	949.503	fuel steam engin'g	621.1823
travels	914.961	compar. " "	621.1824
Turkish conquest	949.504	lung diseases	616.246
Constantinopolitan creed	238.1	milk	637.14
Constants earth	525.1	productiv pol. econ.	331
electricity	537.51	Consumptiv assn cooperat.	334.5
moon	523.31	Contagious diseases	
sun	523.71	domestic economy	648.6
Constellation, ship U.S.hist.	973.45	pathology	616.91
Constellations astronomy	523.89	public helth, general	614.4
Constipation pathology	616.34	special	614.5
Constituencies suffrage	324.22	Containers elec. engin'g	621.3521
Constituents butter	637.222	prac. chem.	542.23
cheese	637.322	Contemplativ pers. religion	248
Constitution		sisterhoods	271.96
and bylaws lib. econ.	023.1	theology	242
centennial U. S. hist.	973.85	Contested	
day school observ.	371.365	elections legislativ bodies	328.3358
English law	342.42	suffrage	324.277
of matter metaphysics	117	legislation	328.3744
physics	530.1	Conti, Augusto Ital. essays	854.83
of '57 Mex. history	972.06	Contingent vote suffrage	324.224
ship U. S. war of 1812	973.5251	Continence ethics	176.3
captures by "	973.5257	Continental	
United States history	973.4	code elec. engin'g	621.382153
law	342.73	congress U. S. hist.	973.312
Constitutional		leg. bod.	328.73
act, Canada under	971.03	heraldry	929.6
conventions	342	protestant sects	284
diseases	616.9	travels	914
history	342	Continents phys. geog.	551.41
law	342	Continuation schools	374.8
monarchy pol. sci.	321.7	Continued fever, simple	616.926
Constrained attitude hyg.	613.65	Continuous	
Construction		current machinery eng.	621.3132
aircraft aerostation	629.16	systems transmission	621.319122
aviation	629.18	train telegrafy	621.38425
architectural	721	truss bridgebuilding	624.33
carpentry	694	¹ Contra Costa co. Cal. hist.	979.463
library bildings	022.35	Contraband of war int. law	341.3
masonry	693	Contrabass tuba wind	788.48

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Contrabasso	stringd	787.4	Conversation		
Contract			self education		374.1
labor	pol. econ.	331.54	table		642.48
prisons		365	Conversion	personal relig.	248
Contractility			revivals		269
of bile ducts	physiol.	612.3577	Converter		
hart	"	612.171	panels	elec. eng.	621.31726
spleen	"	612.413	substations	"	621.31264
Contraction			Converters	elec. engin'g	
muscular	histology	611.01864	alternating current		621.3135
of muscles	physiology	612.741	direct	"	621.31325
Contractions	shorthand	653.1	frequency, asynchronous		621.31367
Contractors liability	bdg	692.9	phase	"	621.31368
Contracts			Conveyances	law	347.2
blding		692.4	Conveyancing	realty	347.2
ethics		174.7	Conveyers	engineering	621.867
law		347.4	fuel	"	621.18378
marriage	family law	347.6	tree	agricult.	631.3366
teachers		371.142	Conveying		
wage scales	pol. econ.	331.22	machinery	engin'g	621.86
Contravariants	algebra	512.88	hydraulic	"	621.264
Contreras, battle	Mex. war	973.6238	pupils	central plan	379.175
Contributions			Convict labor	pol. econ.	331.51
election	suffrage	324.273	Convicts	criminal law	343
library rules		023.93	discharged	reform	364
Control			Conviviality	social cust.	394.1
devices	electric stations	621.317	Convocation	eccles. polity	262.4
fertilizer	frauds	631.818	Convolutions	anatomy	611.8131
over administration		351.9	physiol.		612.825
systems	elec. traction	621.3344	Convolvulaceæ	botany	583.78
Controversial	divinity	230	Convulsions	diseases	616.845
sermons		252.2	puerperal		618.75
Contused wounds	surgery	617.142	Conway cabal	Am. revol.	973.349
Contusions	surgery	617.13	¹ Cook co. Ill.	history	977.31
Conundrums	amusem'ts	793	Cook books	dom. econ.	641.5
Eng. lit.		828	Cookers	kitchen equip.	643.33
Conus medullaris	anat.	611.8216	Cookery		
Convection	heat	536.2	dietetics		613.2
Convent	educa. of women	376.5	domestic economy		641.5
labor	polit. econ.	331.53	esthetics of dom. econ.		641.01
Convention	eccles. polity	262.4	of diff. materials	"	641.6
French hist.		944.043	processes	"	641.7
Conventional			Cooking	banana	634.773
forms	decoration, painted	729.44	schools		641.07
relief		729.54	Cooks	domestic economy	647.25
Conventions	polit. parties	329	¹ Cook's island	history	996.2
see also special subjects			Coolies		326.2
Convents		271	Cooling towers	steam eng.	621.19764
architecture		726.7	Cooper, A. A.	Eng. essays	824.51
Conversation			J. F.	Am. fiction	813.24
art of		374.1	¹ Cooper co. Mo.	history	977.851
ethics		177.2	Union	education	374.9
library staff rules	}	023.91	Cooperage	manufactures	674
rooms	lib. bildings	022.661			

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Cooperation	lib. econ.	021.64	Copyright books	lib. aid	021.842
	lit. methods	029.1		international law	341.5
	polit. econ.	334		law	347.7
Cooperativ				publishing	655.6
bilding associations		334.1	Coquetry	ethics	177.6
cataloging	lib. admin.	025.3	Coquillart, G. Fr.	poetry	841.23
housekeeping		647.93	Coracoacromial ligaments		611.72724
insurance		334.3	Coracobrachialis	anat.	611.73722
Coordinates			Coracoclavicular joint	"	611.72724
anal. geom. of space		516.34	Coracoid process	"	611.7173
geografic		525.4	Coral reefs	geology	551.06
modern analytic geom.		516.51	Corallines	algae	589.3
plane	" "	516.14	Corals	zoology	593.6
spheric astronomy		522.7	Cor-Anglais	wind instr.	788.7
Coordination	physiology	612.82934	Cord machine	physics	531.83
Coornhert, D. V. Dut.	poetry	839.3126	spinal	anatomy	611.82
¹ Coos co. N. H.	history	974.21	physiology	612.83	
Copaiba	diuretics	615.761	Cordage		
¹ Copenhagen	history	948.9	fibers	agriculture	633.5
travel		914.89	manufacture		677
Copepoda	articulates	595.34	Cordials	liquors	663.5
Copernican theory	astron.	521	Cordilleras	description	918
Copiers	lib. economy	025.154	Cordon training		631.5466
offis equipment		652	Cords	plant support	631.3451
Coplas de Mingo Revulgo		867.2	training		631.5461
Coppée, F. E. J. Fr.	drama	842.88	¹ Corea	history	951.9
" poetry		841.85	Cores, field	elec. eng.	621.316
Copper			Coriander		635.75
coins	money	332.41	Coriariae	botany	583.298
drugs		615.256	Corinth, Miss.	battle	973.7334
engraving		762	siege		973.7325
implements archeol.		571.34	Corinthia	ancient hist.	938.7
inorganic chemistry		546.56	Corinthians 1	epistles	227.2
led accumulators		621.35556	2	"	227.3
manufacture		671	Corium	anatomy	611.778
metallic poisons		615.929	¹ Cork, Ireland	history	941.95
metallurgy		669.3	travel		914.195
mineralogy		549.2	Corkborers	chemistry	542.25.
mining	prehist. archeol.	571.31	Corliss engin		621.1644
ores	economic geology	553.43	Corn	cereals	633.15
roofing		695.4	clubs		630.717
toxicology		615.929	duty on		337.5
Copperas	disinfectant	614.488	foods	zootechny	636.08615
Coptic church	sects	281.7	harvesters		631.355
language		493.2	harvesting		631.555
literature		893.2	laws		337.5
Copts	histo.y	962	salad		635.57
Coopulation	embryology	611.0132	shellers		631.3614
physiology		612.613	trade	pol. econ.	338.1
zootechny		636.082453	vegetables		635.67
Copy and proof	lit. meth.	029.6	Cornaceæ	botany	583.497
Copybooks	elem. educat.	372.51	Cornea	anatomy	611.8413
Copying processes	writing	652	eye-diseases		617.71
Copyists' occupation,	hygiene	613.65	physiology		612.8411

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Corneille, P: Fr. drama	842.41	Corpus	
T: " "	842.43	striatum anatomy	611.8132
Cornelius Agrippa philos.	189.5	physiology	612.8261
Cornell university	378.747	Corpuscles chemistry	541.2
Cornet wind instrum.	788.3	red physiol.	612.111
Cornises archit. construc.	721.27	white "	612.112
" design	729.31	Corpuscular theory of light	535.1
⁴ Cornish		matter	530.1
Indian fowls	636.58814	Correction, houses of	364
language	491.67	arch.	725.63
pumps mine drainage	622.53	Corrections	
Corns dermatology	616.54	astronomy	522.9
Cornstalks zootechny	636.086255	by readers lib. economy	024.81
¹ Cornwall, England hist.	942.37	gravity experiments	526.73
Cornwall sheep	636.3266	of orbit astronomy	521.35
Cornwallis' surrender	973.3375	perspectiv	515.66
Corollifloræ botany	583.5	Correlation	
Corona of sun	523.75	method of teaching	371.363
Coronado discov. of Am.	973.16	of figures mod. geom.	513.57
Coronariæ botany	584.3	forces physics	531.6
Coronary		Correspondence	
arteries anatomy	611.1322	autobiografy	920
physiology	612.1721	commercial	658
gastric artery anatomy	611.13643	courses agriculture	630.714
nervs "	611.8393	⁵ English literature	826
valv "	611.12665	letter writing	808.6
Coronation ceremonies	394.4	library administration	025.15
Coroners law	347.96	logic	169
local gov't	352.9	methods of teaching	374.4
Corpora albicantia anat.	611.8142	modern geometry	513.57
cavernosa "	611.645	natural theology	219
quadrigemina "	611.8153	schools self education	374.4
Corporal punishment	371.55	shorthand	653.042
Corporate industries	338.7	Swedenborgian	289.4
Corporation, city admin.	352.003	¹ Corrèze, France history	944.67
Corporations	360	Corridors lib. bildings	022.681
business	380	Corrosion chemistry	541.39
charitable	361	eng. materials	620.1122
law of	347.1	steam boilers	621.1965
mining	622	Corrosiv	
municipal	352	sublimate antiseptics	615.778
railroad	385	drugs	615.258
Corps		pestifuges	648.7
army U. S. civ. war	973.7416	toxicology	615.927
judicial univ. admin.	378.113	Corrugator supercillii anat.	611.7325
Corpulence disease	616.39	Corruption	
physiology	612.3977	electoral suffrage	324.27
Corpus	81	official ethics	172.2
callosum anatomy	611.39	Corsets hygiene	613.484
physiology	612.8261	Corsica, Italy, anc. hist.	937.9
luteum anatomy	611.652	¹ mod. "	945.9
embryology	611.01317	Corsican pony	636.165
spongiosum anatomy	611.646	Cortereal, G. discov. of Am.	973.16
		M. " " "	973.16

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Cortés, H.	discov. of Am.	973.16	Costume	fashion mag.	646.05
	Mex. history	972.02		hygiene	613.48
Cortex, cerebral	anatomy	611.8131		military	355.14
	physiol.	612.825	Costumes		391
Corticine	dom. economy	645.1	¹ Côte d' Or, France	hist.	944.42
	lib.	022.961	Co-tenancy	law	347.2
Corti's fibers	anatomy	611.8522	Cotentin cattle		636.2462
	physiology	612.8584		sheep	636.3447
	ganglion anatomy	611.89181	¹ Côtes du Nord, Fr.	hist.	944.12
	organ	611.8522	Cotswold sheep		636.3211
	physiology	612.8584	Cottage cheese		637.356
¹ Cortland co. N. Y.	hist.	974.772	Cottages, laborers	archit.	728.68
Corundum	chemic tech.	666.8		mountain	728.7
	econ. geol.	553.65		seaside	728.7
	mineralogy	549.5	Cotters	fastenings	621.883
Corvée	pol. econ.	331.57	Cottoid fishes	zoology	597.5
Coryza	diseases	616.205	Cotton		
¹ Coshocton co. O.	history	977.165	agriculture		633.51
Cosmetics	adulterations	614.354	clothing	hygiene	613.481
	toilet	646.7	domestic	economy	646.11
Cosmic dust	astronomy	523.16	dyeing	chem. technol.	667.3
	philosofy metaphys.	113	expos. internat. U.S.	hist.	973.84
	time	chronology 529.77	manufactures		677
Cosmogony	metaphysics	113	mills	architecture	725.41
	natural theol.	213	picking	agriculture	631.5565
Cosmografy	phys. geog.	551.4	trade	pol. econ.	338.1
Cosmology	metaphysics	113	worm	pests	632.78
	natural theol.	213	Cottonseed		
Cossa, Pietro	Italian drama	852.82	meal	fertilizers	631.847
Cossacks	Russian hist.	947	Cotyloid cavity	anatomy	611.7181
Cost bilding		692.5	Couches	dom. economy	645.42
keeping	accounts	657	Coucou	poultry	636.547
of animals	zootechny	636.08112		de Malines	poultry 636.548
	college education	378.368	Coughing	physiology	612.219
	farm	agriculture 631.112	Coughs and colds	pathol.	616.205
	fertilizers	" 631.817	Coulometers	elec. eng.	621.3744
	food	dom. econ. 641.31	Council		
	political economy	338	¹ Bluffs, Ia.	history	977.7711
Costa, I: da	Dutch poetry	839.3155	ecclesiastic	polity	262.4
	Paolo Ital. essays	854.71	ecumenic	eccles. pol.	262.5
	S: Dutch drama	839.3233		relig. hist.	270.2
¹ Costa Rica	hist.	972.86	general	Fr. loc. gov't	352.0442
Costal cartilages	anatomy	611.7125	history, religious		270
Costanzo, A. di	Ital. poetry	851.41	municipal	Fr. loc. gov't	352.0448
Coster	hist. of printing	655.112	of state	French admin.	354.4405
Costivness	diseases	616.34		Ger.	" 354.4308
Costmary		635.74	privy	Eng.	" 354.4204
Costocervical artery	anat.	611.1346	Counsel	christian relig.	241
Costochondral joints	"	611.723	Counterfiting	law	343
Costoclavicular ligam.	"	611.7271		pol. econ.	332.9
Costosternal joints	"	611.723	Counterirritation	therapeut.	615.771
Costovertebral	"	611.722	Countermines	mil. eng.	623.36
Costume	academic	378.29	Counterpoint	music	781.4
	ecclesiastic	247.7	Counterpoise	bridges	624.82

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Counters	library econ.	022.913	Courts		
	telephone stations	621.38798	administration		351.94
Countervallation	mil. eng.	623.22	authority of		340
Country			ecclesiastical		262.9
homes	architecture	728.6	history of		347.99
of poor	"	728.12	juvenil		364
inns	"	728.53	martial		344
laboring class in special		331.819	of honor	mil. science	355.13
life		630.1	inquiry	" "	355.13
mortality	pub. helth	614.145	organization		347.97
schools		379.173	Courtship	ethics	177.6
seats	architecture	728.8	Cousin	eclecticism	148
vs city colleges		378.153		French philos.	194.7
County			Cousins, marriage of	law	347.6
agent	agriculture	630.717	Coussade	poultry	636.544
government	admin.	352	Coutumes	French law	349.442
County			Covariants	higher algebra	512.88
government	Eng. admin.	352.0421	Covenant meetings	pub.wor.	264.8
histories	British	942		Scotch creeds	238.5
	U. S.	974-979	Covenanters	relig. hist.	274.1
libraries		027.42		Scot. "	941.06
Couplings			Covenants for titles	law	347.2
power transmission		621.825		religious creeds	238
railroad engineering		625.25	Coventry plays	Eng. drama	822.12
Coups d'état	pol. sci.	321.094	Cover crop		631.584
Courage	ethics	179.6	Covering		
Courier de Méré, P.L.	Fr. lit.	844.63	protection against frost		632.113
¹ Courland, Russia	hist.	947.4	steam pipe		621.1856
Course			Coverture	law	347.9
length of	college	378.241	Covetousness	ethics	179.8
	school	371.253	Cowardis	"	179.6
Courses			Cowley, A.	Eng. poetry	821.46
agricultural, correspond.		630.714	Cowpeas		633.33
extension		630.717	Cowpens, S. C.	Am. revol.	973.3372
in nonagric. sch.		630.716	Cowper, W:	Eng. poetry	821.65
short		630.713	Cowper's glands	anat.	611.627
belt	walls	721.25	Cowpox	diseases	616.913
curriculum		375	Cows		
of reading	lib. econ.	028.3	choice of	dairy	637.121
Court			diseases of		619.2
baron	English law	347.99	domestic animals		636.2
etiquet	customs	395	zoology		599.7
fools	"	394.2	Coxae, os	anatomy	611.7181
houses	architecture	725.15	Cozzens, F: S.	Am. humor	817.36
of arbitration		341.1	Crab apple		634.12
claims	U. S. law	347.99	Crabs	fishery	639.5
star chamber	Eng. law	347.99		zoology	595.36
reporting	shorthand	653.046	Cradle	agriculture	631.3513
supreme	U. S. law	347.99	sithe	agriculture	631.3513
university	administration	378.113	songs	folklore	398.8
Courtes-pattes	poultry	636.544		music	784.4
Courtesy	ethics	177.1	Cramming	examinations	371.27
	lib. staff rules	023.96		zootechny	636.08456
			Cramp	diseases	616.87

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Cranberry	small fruits	634.76		Credit	
	bush "	634.745		and bonds insurance	368.8
Cranes and elevators	eng.	621.87		institutes loan instit.	332.31
	hydraulic machinery	621.263		institutions state control	351.825
Cranial				mobilier railroads	385
	bones anatomy	611.715		U. S. history	973.82
	ganglions "	611.891		political economy	332.7
	nervs "	611.831		Credo sacred music	783.22
	physiology	612.819		Credulity	137
	sutures anatomy	611.7141		Creeds Anglican ritual	264.037
Craniidæ	zoology	594.8		dogmatic theol.	238
Craniology	nat. hist. of man	573.7		public worship	264.5
Cranium	anatomy	611.715		Creek indians removal	973.55
	base of "	611.7143		Cremaster muscle anatomy	611.7366
Crannoges	prehist. dwel.	571.83		Cremasteric fascia "	611.639
Craonnaise swine		636.443		Cremation	
Crashaw, R:	Eng. poetry	821.42		of the ded customs	393.2
³Crisis	" lang.	421.2		public helth	614.62
Crassulaceæ	botany	583.39		garbage san. engin'g	628.44
Craters	seismology	551.21		Crematories pub. helth	614.62
Crates	Greek filosofers	183.4		san. engin'g	628.44
Crawfish	fishery	639.5		Creole	
	zoology	595.37		French dialect	447.9
¹Crawford co. Ill.	history	977.375		Creosoting bldg materials	691.1
	travels	917.7375		Cress	635.561
1	Ind. history	977.228		Crested turkey	636.59214
1	Ia. "	977.745		Cresting roofs	721.56
1	Mich. "	977.477		Crests heraldry	929.8
1	Mo. "	977.862		Creaceous era geology	551.77
1	O. "	977.127		fossils paleont.	560
1	Pa. "	974.897		Crete ancient history	939.18
1	Wis. "	977.574		1 modern "	949.98
Crayfish	fishery	639.5		Cretnism diseases	616.997
	zoology	595.37		¹Creuse, France history	944.68
Crayon drawing		741		Creutz, G. F. Swed. poetry	839.7145
Cream	adulterations	614.324		Crevasse glaciers	551.31
	dairy	637.148		Crèvecoeur fowls	636.541
	of tartar adulterations	614.315		Crewel work art needlewk	746
Creameries	agriculture	637.231		Crib	
Creamometer		637.1276		open architec. foundations	721.172
Creation	evolution	575		Cribbage games	795
	metaphysics	113		Cribbing student life	371.81
	natural theol.	213		Cricket amusements	797
Creativ power	ment. facul.	155		Cries, battle war customs	399
Creator	doctrinal theol.	231.1		street folklore	398.5
Crébillon, C.P.J. de, fils	Fr. fic.	843.55		Crime and illiteracy educ.	379.21
	P.J. de Fr. drama	842.52		law	343
Crèches	institutions	362.7		suffrage disqualificat'n	324.173
Credentials				¹Crimea history	947.7
	academic	371.291		Crimean war English hist.	942.08
	higher	378.2		Russian "	947.07
	electoral	324.243		Crimes and punishments	343.2
	legislativ bodies	328.36		Criminal	
Credibility of Scriptures		220.1		classes reform. assoc.	364

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- Criminal
 courts administration 351.945
 law 343
 international 341.4
 trials criminal law 343.1
- Criminals
 education of 371.93
 juvenil childstudy 136.763
 law 343
 lives 923.41
- Criminology 364
- Crinoidea zoology 593.91
- Crippled education 371.916
- Crises, commercial econ. 332
- Criterion ethics 171
- Critical philosophy 142
- Criticism art 701
 biblical 220.7
 dramatic 792
 literary 801
 musical 780.1
 rhetoric 808
- Crittenden compromise 973.712**
- ¹Croatia history 943.94
- ¹Croatian language 491.83
 * literature 891.83
 swine 636.473
- Crocheting dom. econ. 646.27
 fancywork 746
- Crockery pottery 738
- Crocodiles 598.14
- Crofton system prisons 365
- Croisade contre les Albigeois
 Provençal lit. 849.122
- ¹Cromarty. Scot. history 941.15
- Cromlechs prehis. arch. 571.94
- Cromwell, O. Eng. hist. 942.064
 R: " " 942.065
- Crookes tubes elec. light. 621.3277
- Crookneck squash 635.621
- Crop farming 633**
 farms 631.141
 insurance 368.5
 rotation 631.582
- Crops agriculture 633**
 tools for cleaning 631.362
- Croquet 796
- Cross (G: Eliot) Eng. fic. 823.88
- Cross arms elec. lines 621.319224
 Christian symbol 247.9
 Cross, legends concerning 398.2
 system shorthand 653.36
- Crossbreeding zootechny 636.08243
- Crossing plant breeding 631.523
- Crossings, railway eng. 625.16
- Crossopterygii 597.4
- Croton aqueduct engin'g 628.14
 oil toxicology 615.93
- Croup diseases 616.201
- Crowbar 631.3116
- Crown
 appointments to legis. bod. 328.3351
 grafting 631.54142
- Crown Point, N. Y.
 battle Amer. col. hist 973.26
 revol. 973.3314
- Crowne, J: Eng. drama 822.43
- Crowning road engin'g 625.74
- Crozier sacred furniture 247.6
- Crucial ligaments anat. 611.72831
- Crucibles metallurgy 669
 prac. chem. 542.232
- Cruciferae botany 583.123
- Crucifix sacred furniture 247.9
- Cruelty
 ethics 179.2
 Great war mil. hist. 940.405
 international law 341.3
 war customs 399
- Cruisers naval eng. 623.825
- Cruising boating 797
- Crura cerebri anatomy 611.8154**
- Crural muscle anat. 611.73822
 nerv, anterior " 611.8355
 of Winslow " 611.83561
- Crus cerebri " 611.8154**
- Crusade, children's 940.185
- Crusades Europ. history 940.18**
 relig. " 270.4
- Crusenstolpe, M. J. Swed. fic. 839.7362
- Crushers agriculture 631.3143
 chem. apparatus 542.22
 hydraulic mach. 621.26
- Crushing mining danger 622.83
 ore preparation 622.73
- Crust of the earth geol. 551.13
- Crusta anatomy 611.81542
- Crustacea paleontology 565.3**
 zoology 595.3
- Crustaceans fisheries 639.5
- Cruz, R. de la Span. drama 862.43
 San J. de la Span. misc. 868.34
- Crying physiology 612.219
- Cryoscopy
 of blood physiol. 612.11817
 organic fluids " 612.0144622
 solutions chem. 541.341
 urin physiol. 612.461179

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Cryptogamia	586		
Cryptografic art relig. art	246.5		
Cryptografy secret writ.	652		
Crystallin			
aggregations crystallog.	548.2		
lens anatomy	611.8441		
physiology	612.8441		
limestone	552.46		
state chemistry	541.7		
Crystallization			
practical chemistry	542.65		
strength of materials	620.1125		
Crystallizers prac. chem.	542.65		
Crystallografy	548		
Crystalloids	541.345		
Ctenophora zoology	593.8		
Cuba			
bast fibers	633.59		
filibuster exped. U.S.hist.	973.64		
¹ history	972.91		
Span. misrule U. S. hist.	973.891		
travels	917.291		
Cubature calculus	517.33		
Cubics analytic geometry	516.59		
modern "	513.59		
Cubital nerv anatomy	611.8336		
Cuboid bone "	611.71875		
Cuboidcuneiform joints "	611.72855		
Cucumbers	635.63		
Cucurbitaceæ botany	583.461		
Cuffs toilet	646.48		
Culdees religious history	274.1		
Cultivated plants horticult.	716		
Cultivating tillage "	631.516		
Cultivation			
land geog. distribution	631.09		
rent for	333.5		
Cultivators farm machinery	631.316		
plants agriculture	631.54		
Cults, religious cookery	641.567		
Culture	301		
Culture and religion	261.6		
self education	374		
vocal	784.9		
Culverins ordnance	623.4211		
Culverts			
railway engin'g	625.13		
Cumberland, R: Eng. dram.	822.65		
¹ Cumberland, Md. history	975.295		
¹ co. Eng. "	942.85		
¹ Ill. "	977.373		
travels	917.7373		
¹ Me. history	974.19		
¹ N. J. "	974.994		
		¹ Cumberland, N. S. hist.	971.611
		¹ Pa. "	974.843
		army of U. S. hist.	973.7416
		presbyterians sects	285.3
		sheep	636.3253
		swine	636.4243
		Cumulativ	
		vote suffrage	324.223
		Cuneatus, fasciculus anat.	611.8182
		Cuneiform	
		ankle bones anatomy	611.71878
		inscriptions	492.1917
		⁴ language	492.19
		wrist bones anatomy	611.71773
		Cuneus anatomy	611.81317
		Cunningham cattle	636.2253
		Cupboards dom. economy	643.48
		Cupel prac. chemistry	542.42
		Cupola furnace " "	542.42
		Cupping therapeutics	615.811
		Cups bronze age	571.37
		stone "	571.27
		Cupuliferæ botany	583.976
		Curare poisons physiol.	612.8171
		toxicol.	615.97
		Curativ electricity therap.	615.84
		gymnastics "	615.82
		Curbs road engin'g	625.888
		Curd mils cheesemaking	637.3322
		Curdling cheesemaking	637.3331
		Cures, miraculous miracles	231.7
		therapeutics	615.85
		Curia regis	347.99
		Curing	
		food preserv. chem. tech.	664.8
		dom. econ.	641.4
		Curiosa books	099
		library economy	020.88
		Curiosity	137
		Curling amusements	796
		Curly bristled swine	636.471
		Currants	634.721
		Currency banking	332.5
		Current collecting devices	621.3344
		suspension wheels	621.234
		Currents	
		atmospheric phys. geog.	551.51
		electric physics	537.6
		oceanic phys. geog.	551.47
		Curriculum	375
		Cursores birds	598.5
		Curtains dom. economy	645.3
		fortifications	623.116

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- Curtesy ethics 177.1
 lib. econ. 023.96
 Curtis, G: W: Amer. essays 814.37
 Curtius Rufus, Quintus 878.8
 Curv tracing calculus 517.24
 Curvature
 geology 551.82
 of spine diseases 616.73
 stomach, greater anat. 611.335
 lesser " 611.336
 Curvd surfaces anal. geom. 516.4
 theory of calculus 517.26
 Curvembryæ botany 583.91
 Curvilinear motion physics 531.3
 Curvs
 analytic geometry 516.2
 geometry 513.2
 of double curvature
 modern anal. geom. 516.58
 geom. 513.58
 plane, theory of calculus 517.24
 railway engineering 625.11
 roadmaking 625.72
 Cushions dom. economy 645.47
 Custard apple 634.415
 family agric. 634.41
 Custom houses architect. 725.14
 Customs
 and duties tariff 337
 manners 390
 bad social hygiene 613.87
 of primitiv man 571
 war 399
 student life 371.89
 taxation 336.26
 Cutaneous
 absorption physiology 612.384
 diseases pathology 616.5
 glands physiology 612.792
 nerv of neck anatomy 611.83333
 thigh " 611.83544
 respiration physiology 612.793
 secretion " 612.792
 sensitivity " 612.794
 Cutaneous surae lateralis 611.83582
 Cuticle anatomy 611.771
 Cutis vera " 611.778
 Cutlery manufacture 672
 Cuts practical printing 655.32
 railway engineering 625.12
 Cutter, stalk 631.3166
 Cutters, ensilage 631.363
 weed 631.3155
 Cutting benches 631.335
 Cutting machinery 621.93
 of stone masonry 693.12
 Cuttings 631.535
 Cuttle fish 594.5
 Cutworms agric. pests 632.78
¹Cuyahoga co. O. history 977.131
 Cyane, capture of U. S. hist. 973.5257
 Cyanids chem. tech. 661.7
 narcot. poisons 615.963
 Cyanogen organ. chem. 547.1
 Cycadaceæ botany 585.9
 Cyclades ancient history 939.15
 modern " 949.95
 Cyclanthaceæ botany 584.62
 Cycles, motor engin'g 629.2
 Cycling 796
 Cycloidal curvs anal. geom. 516.26
 Cyclones meteorology 551.55
 Cyclopean remains Gk arch. 722.8
 Cyclopedias, general 030
 ² special, see subject
 Cyclops zoology 595.31
 Cyclostomi " 597.2
 Cylinder
 axis histology 611.01883
 bridge engineering 624.4
 Cylinders
 foundations architec. 721.172
 solid geometry 513.43
 graduated prac. chem. 542.35
 perspectiv 515.65
 steam locomotiv 621.1341
 strength of materials 620.11283
 Cylindric
 perspectiv descr. geom. 515.62
 projections " " 515.57
 vaults architecture 721.43
 Cymbals mus. instrum. 789.2
 Cymric group of languages 491.65
 ⁴ language 491.66
 ⁵ literature 891.66
 Cynewulf Ang. Sax. poet. 829.4
 Cynic philosophy 183.4
 Cynicism 137
 Cyperaceæ botany 584.84
 Cypher writing 652
 Cyphomandra 634.7761
 Cypriote architecture 722.3
 Cyprus ancient history 939.37
 ¹ modern " 956.4
 Cyrano de Bergerac, S. 843.46
 Cyrenaic philosophy 183.5
 Cyrenaica ancient history 939.75

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Cystic				D hoe	631.3152
artery	anatomy	611.13641		Da caccia	wind instrum. 788.7
duct	"	611.366		Dacia	ancient history 939.82
nervs	"	611.8393		Dacites	lithology 552.26
vein	"	611.1495		¹Dade co. Mo.	history 977.8745
Cysts	diseases	616.993		Daguerreotype	772
Cytinaceæ	botany	583.923		Dahlstjerna, G.E.	839.7135
Cytisin	organ. chem.	547.25		¹Dahna, Arabia	history 953.7
Cytology	anatomy	611.0181		¹Dahomey, Africa	" 966.8
	biology	576.3		Dairies	architecture 728.96
¹Czechoslovakia	history	943.7		Dairy	
				buildings	637.131
				cattle	dairying 637.121
					Belgian 636.245
					Dutch 636.235
					English 636.224
					French 636.244
					German 636.23
					Irish 636.225
					Scotch 636.225
				farming	637
				farms	637.113
				products	adulteration 614.32
					chem. anal. 543.2
				Dais	architec. accessories 729.9
				¹Dakota, U. S.	history 978.3
					travel 917.83
				Dalin, Olof von	839.7142
				¹Dallas co. Ia.	history 977.754
				¹Mo.	" 977.881
				¹Dalmatia, Ger.	history 943.69
					travel 914.369
				Daltonism	eye diseases 617.75
					physiology 612.8455
				Damascus	anc. history 939.42
				¹	modern " 956.9
					travel 915.69
				Damnation	doct. theol. 237.6
				D'amore	wind instrum. 788.7
				Dampers	steam engin'g 621.18382
				Dams	mill engineering 621.29
					mining " 622.56
					river " 627.8
				Dana, R: H:	Am. poetry 811.27
				Dance form	piano music 786.45
					music modern " 786.46
					of deth emblems 246.5
				Dances, war	customs 399
				Dancing	amusements 793
					customs 394.3
					ethics 175.3
				Dandelion	635.46
				Dandy fever	616.921
				¹Dane co. Wis.	history 977.583

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- Danes English history 942.01
in Eng. and Normandy 948.02
Dangerous classes 364
Dangers
 mining engineering 622.8
 to lib. bildings 022.29
 life protection agst 614.8
 workmen polit. econ. 331.82
Dangleberry 634.731
Daniel Bible 224.5
Daniel, S: Eng. poetry 821.33
Danish
 architec. Romanesque 723.48
 cattle 636.2356
 England Eng. hist. 942.01
 iland swine 636.434
 merinos 636.3678
Danish
 ⁴ language 439.8
 ⁶ literature 839.8
Dante Alighieri Ital. poet 851.15
¹Dantzic history 943.12
 travel 914.312
Danube river travels 914.96
¹Danubian prov. history 949.6
 travels 914.96
¹Danville, Ill. history 977.365
Daphnales botany 583.93
Darbar social customs 394.4
Darbyites sects 289.9
Darc, Jeanne Fr. history 944.026
¹Darfur, Egypt history 962.7
Darien
 expedition colonies 325.86
 emigrants 325.241
 foren trade 382
¹ isthmus history 986
 ship canal engineering 626.9
Dark ages Europ. hist. 940.1
 room lib. bildings 022.658
¹Darke co. O. history 977.147
Darling, Ft, Va. U.S. hist. 973.7365
Darning dom. econ. 646.24
Dartmoor
 pony 636.1625
 prison U. S. war 1812 973.5271
 sheep 636.3262
Dartos anatomy 611.6384
Darwinism biology 575
 physiology 612.609
Dass, Peder Dan. poetry 839.8135
Date
 of session legislativ bodies 328.352
 palm fruit culture 634.62
Dates chronology 902
Dati, Carlo Ital. essays 854.54
Datisceæ botany 583.469
Dativ case syntax Greek 485.5
 Latin 475.5
 ⁸ other lang.
Daudet, Alphonse Fr. fic. 843.88
Daughters
 1776-1812, soc. of U. S. 369.142
 colonial, of 17th century 369.128
 of the Amer. revolution 369.135
 Cincinnati, soc. 369.132
 confederacy 369.175
 revolution 369.136
¹Dauphin co. Pa. history 974.818
¹Dauphiny, France hist. 944.96
 travel 914.406
Daurat, Jean Fr. poetry 841.31
Davanzati, B. Ital. essays 854.44
Davenant, W: Eng. dram. 822.41
¹Davenport, Ia. history 977.7691
Davies, J: Eng. poetry 821.35
¹Daviess co. Ind. history 977.238
 ¹ Mo. " 977.818
Davis, John discov. of Am. 973.17
¹Davis co. Ia history 977.797
¹Dawson, Yukon " 971.21
Day
 nurseries 362.7
 of judgment doc. theol. 236.9
 schools intermed. educ. 373.2
 sidereal and solar 529.1
 time of hygiene 613.13
 working pol. econ. 331.811
Days
 library rules for readers 024.4
 market dom. econ. 641.4
 of the year chronology 529.2
 week, names 529.2
 recipes for special 641.566
¹Dayton, O history 977.173
Deacon eccles. polity 262.15
Deaconess " " 262.15
 religious orders 271.99
Dead sea travel 915.69
 see also Ded
Deaf, see Def
¹Dearborn co. Ind. hist. 977.211
Death, see Deth
Debates parliamentary 328
 rhetoric 808.5
Debating soc. self-culture 374.24
Debility diseases 616.986
Debt, debtor, debts, see
 Det, dettor, dets
Decalog Bible 222.16

Decantation	prac. chem.	542.66	Ded			
Decapitation	physiology	612.8227	disposal of the pub. health	614.6		
	punishments	343.2	list of	Great war	940.467	
Decapods	zoology	595.38		U. S. civ. war	973.767	
¹ Decatur, Ill.	history	977.358	ministry of	sacraments	265.8	
	travels	917.7358	sea	description	915.69	
¹	co. Ind. history	977.216	transportation of		614.63	
¹	Ia. "	977.7875	treatment of the		393	
Decay of rocks	lithol.	552.7	Dedication	church ordin.	265.9	
Deccan hemp	fibers	633.563		sermons	252.7	
Decidua	pregnancy	618.35	Deduction by Bessel	geod.	526.47	
Decimal				Puissant "	526.48	
	system arithmetic	511.1		mental faculties	153.6	
	weights and mesures	389	Deductions			
Decipium	inorgan. chem.	546.692	wage	pol. econ.	331.1	
Decision of character	eth.	170	Deductiv	logic	162	
Decisions of juries	math.	519.3	Deeds	law	347.2	
Decks			Deep			
	shipbuilding	623.84	boring	mining eng.	622.24	
Declamation	rhetoric	808.5	sea	dredging scien. voy.	508.3	
Declaration			life	botany	581.92	
of independence	U. S.	973.313		zoology	591.92	
Savoy	creeds	238.5	sounding	scien. voy.	508.3	
war	internat. law	341.3	soil	culture	631.586	
Declarations	law	347.92	veins of	upper extrem.	611.14541	
Declension of nouns	Eng.	425.15	Deer	domestic animals	636.294	
³	other lang.			zoology	599.7	
Declination, variations of		521.27		stalking	sports	799
Decline, period of	physiol.	612.67	Def and dumb			
Decoction	prac. chem.	542.61	asylums	architecture	725.54	
Decomposition, chem. of		541.39	child	study	136.7612	
Decoration			education of		371.912	
architectural		729	institutions		362.4	
day	U. S. history	973.76	Defacement			
	schools	371.365	of books	lib. rules	024.81	
design		740		laws	021.89	
domestic economy		645	Defamation	law	347.5	
in relief	architecture	729.5	Defecation	physiology	612.365	
interior		747	Defectivs			
library	buildings	022.34	education		371.9	
roof	architecture	721.56	psychology		136.76	
school	buildings	371.635	Defects of body			
Decorations			congenital	hygiene	613.91	
heraldry		929.7		surgery	617.3	
presentations	Great war	940.464		teratology	611.012	
table	dom. econ.	642.8	Defense			
Decorativ art		740	means of	comp. physiol.	612.016	
Decorum	ethics	177.1	of religion	apologetics	239	
	libraries	024.52	Defenses	fortifications	623.1	
Decrees	ecclesias. polity	262.6	Defensiv operations	mil.	623.3	
Decretals	" "	262.6	Deferential	artery anat.	611.13772	
	Rom. cath. church	282	¹ Defiance	co. O. history	977.114	
Ded			Defilading	fortifications	623.114	
animals	air pollution	614.763				

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- Definit integrals calculus 517.32
 Definitions library 020.14
 of orbits astr. 521.31
 Deflections of beams, etc. 624.2
 Deflegmators prac. chem. 542.48
 Defness diseases 617.8
 tone physiol. 612.85874
 De Foe, D. Eng. fiction 823.51
 Deformation engin'g 620.1123
 Deformd poultry 636.5882
 Deformities anatomy 611.012
 surgery 617.3
 Degeneration
 evolution 575.7
 muscular 612.7465
 of nervs physiology 612.81851
 optic nerv " 612.84378
 spinal cord " 612.835
 toxic, of nerv cells " 612.82256
 Deglutition
 digestion 612.312
 effect of facial nerv on 612.81975
 larynx in 612.785
 Degradation mil. science 355.114
 Degrading school organiza. 371.28
 Degrees, academic 378.2
 medical pub. helth 614.21
 Deism natural theology 211
 Deists apologetics 239.5
 Deity doctrinal theology 231
¹Dekalb co. Ill. history 977.328
¹ Ind. " 977.277
¹ Mo. " 977.815
 Deken, Agatha Dutch fic. 839.3342
 Delaine sheep 636.3682
 Delany multiplex telegraf 621.38236
 telepost telegrafy 621.38247
 Delavigne, J. F. C. Fr. dram. 842.72
 poet. 841.72
¹Delaware, U. S. history 975.1
 For military history, see sub-
 divisions of Special campaigns
 and Military history under
 973.3, 973.52, 973.7 and
 973.89
¹Delaware co. Ind. hist. 977.265
¹ Ia. " 977.7385
¹ N. Y. " 974.736
¹ O. " 977.1535
¹ Pa. " 974.814
 forts on Am. revol. 973.3337
¹Delhi history 954.5
 travels 915.45
 Delille, J. French poetry 841.54
 Delineation
 of child in art childstudy 136.757
 literature 136.758
 women in art 396.7
 literature 396.8
 Delinquencies lib. loans 024.63
 Delinquents
 education 371.93
 institutions 364
 psychology 136.763
 Delirium tremens . pathol. 616.861
 Delisle's method astron. 523.93
 Deliveries lib. econ. 021.61
 Delivery stations lib. bldgs 022.16
¹Del Norte co. Cal. hist. 979.411
 Delta connections elec. 621.3191332
¹ co. Mich. history 977.494
 Deltas physical geografy 551.48
 Deltoid muscle anatomy 611.73711
 Deluge Genesis 222.11
 geologic agents 551.92
 Delusions 133
 Demagogy politics 329
 Demand and supply prices 338.5
 wages 331.2
 Dementia 132.1
¹Demerara history 988
 travels 918.8
 Demisang horse 636.144
 Democracy form of state 321.4
 social 335.5
 Democratic party 329.3
 Democritus Gk filosofers 182.7
 Demografy statistics 311
 Demolition devices mil. 623.27
 Demonetization 332.47
 Demoniac possession theol. 235
 Demonology dogmatics 235
 witchcraft 133.4
 Demosthenes Gk oratory 885.6
 Demulcents therapeutics 615.735
 Demurrage transportation 656
¹Denbigh, Wales history 942.93
 Dendrites histology 611.018837
 Dendrology botany 582
 Dengue diseases 616.921
 Denials, special apologet. 239.9
 Denina, Carlo Ital. essays 854.62
 Denmark administration 354.489
 antiquities 913.489
 architecture 720.9489
 botany 581.9489
 colleges 378.489
 constitu. law 342.489

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Denmark	education	370.9489	Depositions	evidence	347.94
	finance	336.489	Deposits	thick, working of	min. 622.35
	geology	554.89	Depravity	natural theol.	216
	history	948.9		pessimism	149.6
	laws	349.489		total theol.	233.2
	maps	912.489	Depressants		
	religious history	274.89		circulatory therapeutics	615.716
	schools, public	379.489		nervous "	615.786
	statistics	314.89	Depressions		
	travel	914.89		trade commerce	381
	treaties	341.2489		money	332
	zoology	591.9489		production	338
	other topics see table 1		Depressor	alae nasi anat.	611.7323
Dennis, J:	Eng. drama	822.51		labii inferioris	611.7326
Denominations, Christian		280		nerv. physiol.	612.1787
Density			Depth of sewers		628.218
	gravity	531.54	De Quincey, T:	Eng. essays	824.81
	of blood	physiology 612.121	Derangement, mental		132
	earth	astronomy 525.12	¹ Derby, England	history	942.51
	urin	physiology 612.46112	Derbyshire sheep		636.3261
¹ Dent co. Mo.	history	977.886	Derivation		
Dental				of words	comp. philol. 412
	inspection	school hyg. 371.712		Eng. language	422
	periosteum, diseases of	617.63	Dermal		
	pulp, diseases of	617.61		respiration	zoology 591.122
Dentate nuclei	anatomy	611.81713			physiology 612.793
Dentatum	"	611.81713	Dermatology		anatomy 611.77
Dentine diseases	dentistry	617.62			animals 591.49
Dentistry		617.6			pathology 616.5
Dentists, registration of		614.24			physiology 612.79
Denudation	geology	551.3	Dermis	anatomy	611.778
Deodorants	exter. ther.	615.777	Dermoskeleton	comp. anat.	591.49
Deodorization of sewage		628.32		descrip. "	591.79
Deodorizers	contag. dis.	614.482	Deroulède, P.	Fr. poetry	841.86
Deontology		170	Derricks	engineering	621.872
Department			Dervishes		297
	stores	bus. methods 658	Désaugiers, M: A.M.	Fr. lit.	841.65
Departmental			Descartes	empiricism	144
	commission	Fr. loc. gov. 352.0443		Fr. philosophy	194.1
Departments	" " "	352.0441	Descent	genealogy	929
	lib. admin.	025		of man	evolu. 575.8
	U. S. gov.	353.04		rules of	law 347.6
Dependent pension bill	U. S.	973.85	Deschamps, Emile	Fr. poet.	841.73
	states	pol. sci. 321.025		Eustache " sat.	847.13
Dependents	child study	136.767	Deschanel	French hist.	944.08
	education	371.947	Desclot, B.	Catalan misc.	849.9812
	institutions	362.7	Description	travel	910
Dephlegmators	prac. chem.	542.48		stock farms	636.08131
Depolarized cells	elec. eng.	621.3536	Descriptiv		
Depolarizers	" "	621.3524		anatomy	botany 581.7
Deposit					man 611
	of duplicates	lib. econ. 025.269			zoology 591.7
	money by reader	024.14		astronomy	523
Deposition	geology	551.3		geometry	515

- Desertion from mil. servis 355.114
 Deserts physical geograpy 551.58
 reclamation 631.617
 Deshoulières, A. Fr. poet 841.46
 Design
 architectural 729
 arguments from
 apologetics 239
 natural theology 211
 arts of 740
 elementary education 372.52
 metaphysics 124
 of library bildings 022.34
 shipbiling 623.81
 Designing decoration 745
 Designs engineering 620.04
 mosaic architec. 729.7
 Desk fittings lib. econ. 022.99
 Desks domestic econ. 645.44
 library " 022.913
 offis equipment 651
 Desmidiaceæ algæ 589.61
¹Des Moines city, Ia. hist. 977.7581
 co. " 977.796
 Desperriers, B. Fr. fiction 843.32
 Desportes, P. poetry 841.38
 Despotism form of state 321.6
 Despots Italian history 945.05
 Despourrins, C. Prov. poet. 849.142
 Dessication prac. chem. 542.48
 Destouches, P. N. Fr. dram. 842.53
 Destruction
 elemental agriculture 632.1
 Destructors san. engin'g 628.44
 Det
 ethics 174.7
 floating pol. econ. 336.32
 local government 352.1
 public 336.3
 Detacht city houses archi. 728.3
 vowels shorthand 653.01
 Detection of fire prot. of life 614.842
 Detectīvs 352.2
 Deterioration
 fertilizers agric. 631.814
 Determinants algebra 512.83
 Determination
 of earth's figure 526.1
 orbits astron. 521.3
 rock minerals 552.81
 Determinations, astr. geod. 526.6
 Determinativ mineralogy 549.1
 Determinism doc. theol. 234.9
 philosofy 159
 Deth
 after delivery obstetrics 618.79
 and resurrection 236
 biology 577.7
 by electric shock physiol. 612.014425
 dance of emblems 246.5
 from cold physiology 612.592
 heat " 612.591
 nature of 612.013
 of fetus pregnancy 618.33
 penalty criminal law 343.2
 physiology 612.67
 rates public helth 614.12
 theology 236.1
 Deaths public helth 614.12
 registers of 929.3
 registration, official 352.4
 statistics 312
 Detonators
 projectil chem. tech. 662.4
 mil. engin'g 623.45424
 Detritus geology 552.51
¹Detroit, Mich. history 977.434
 surrender U.S. hist. 973.5231
 Dets, state and national 336.4-9
 Dettmann shorthand 653.34
 Dettor and creditor law 347.7
 Deuteronomy Bible 222.15
⁴Deutsch, Platt language 439.4
 literature 839.4
¹Deux Sèvres, Fr. history 944.62
 Developing interest in lib. 021.7
 method teach'g 371.34
 Development
 incomplete deformities 617.31
 intellectual, and church 261.5
 nutrition 591.135
 of embryo, abnor. anat. 611.012
 surg. 617.3
 anatomy 611.013
 physiology 612.64
 zoology 591.33
 germ-cells zoology 591.172
 sperm-cells embryol. 611.01312
 zoology 591.171
 period of full physiol. 612.66
 physiology 612.6
 projections geodesy 526.83
 theory apologetics 239.8
 evolution 575.6

Topics in b'ack face type are subdivided. Superior figures refer to the tables at the end of this index.

Deviation of		
compass magnetism	538.7	
falling bodies astron.	525.37	
Devices, safety, <i>see</i> Safety		
special, perspectiv	515.68	
Devil, personal theology	235	
worship	290	
Deville		
gas apparatus chem.	542.72	
gasometers chem.	542.75	
Devils dogmatics	235	
¹ Devon, England history	942.35	
travel	914.235	
cattle	636.226	
longwool sheep	636.3217	
Devonian age geology	551.74	
fossils paleon.	560	
Devotional		
exercises pub. worship	264.1	
sermons	252.4	
theology	240	
Dew meteorology	551.57	
Dewberry	634.717	
¹ Dewitt co. Ill. history	977.358	
Dexter shorthorn cattle	636.2256	
Dextrins physiology	612.39612	
Dextrose chem. technol.	664.1	
Diabase lithology	552.34	
Diabetes diseases	616.63	
experimental	612.35213	
urin in physiol.	612.46621	
Diabolism doctrin	235	
Diabolo game of skill	794	
Diacele anatomy	611.8148	
Diafram	611.26	
physiology	612.2171	
Diaframic artery anat.	611.1354	
glands	611.4641	
Diaframs elec. engin'g	621.3523	
Diagnosis of pregnancy	618.22	
pathology	616.07	
Diagram of work physics	531.42	
Dial switches elec. eng.	621.31733	
telegrafs communica.	654.3	
elec. eng.	621.38223	
Dialectics logic	160	
² Dialects Eng. language	427	
literature		
Dialing	529.78	
Dialogs entertainments	793	
Dials chronology	529.78	
Dialysis practical chem.	542.64	
qualitativ anal.	544.5	
Diamagnetism magnetism	538.4	
Diameter of earth	525.13	
Diamonds econ. geology	553.8	
mineralogy	549.2	
Diapedesis physiology	612.1124	
Diapensiaceæ botany	583.65	
Diaphoretics therapeutics	615.743	
Diaphragm, <i>see</i> Diafram		
¹ Diarbekr, Asiat. Tur. hist.	956.6	
Diaries biografy	920	
Diarrhea, epidemic diseas.	616.934	
pathology	616.34	
public helth	614.517	
Diarrheal diseases		
pub. helth	614.513	
Diarthrosis anatomy	611.7296	
Diastase materia medica	615.35	
Diastole physiology	612.171	
Diatessaron harm. of gosp.	226.1	
Diathermancy heat	536.35	
Diatomaceous earth, petrog.	552.57	
Diatoms	589.61	
Diazo-bodies org. chem.	547.8	
Dibber farm tools	631.3112	
Dibble	631.3112	
Dice ethics	175.5	
games	795	
Dickens, C: Eng. fiction	823.83	
¹ Dickinson co. Ia. history	977.712	
Mich. "	977.495	
Dicotyledonæ botany	583	
Dictation machines	651	
Dictatorship	321.6	
² Dictionaries Eng. lang.	423	
of quotations Eng. lit.	828	
special, <i>see</i> subject		
Dictionary catalogs		
biblografy	019	
library admin.	025.3	
Didactic poetry Am. lit.	811.05	
Eng. "	821.05	
theology	241	
Didactics education	371	
Diderot Fr. filosofers	194.5	
Didymium metals	546.64	
Dielectrics dynamic elec.	537.5	
Diencefal anatomy	611.814	
Diencephalon	611.814	
Dies electric engin'g	621.318	
mech. "	621.984	
Diesel motor gas engins	621.436	
Diesinking	736	
Diet circle Ger. loc. gov.	352.0433	
hygiene	613.2	
Dieteries hygiene	613.21	

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- Dietetic diseases pathol. 616.39
Dietetics hygiene 613.2
 Differences, finite calculus 517.6
 of triangles trigo. 514.8
Differential
 calculus 517.2
 equations calculus 517.38
 variations astron. 522.74
 Differentiation 'degrees 378.243
 evolution 575.2
 Diffraction acoustics 534.2
 optics 535.4
 Diffuse affections of skin 616.51
Diffusion
 of gases physics 533.1
 physiology of absorption 612.383
 practical chemistry 542.63
 theoretic " 541.341
Diftheria diseases 616.931
 pub. helth 614.512
Difthongs Eng. lang. 421.2
Digastric muscles anat. 611.7341
¹**Digby co. N. S. history** 971.632
Digestion
 aids to therapeutics 615.734
 animals 591.132
 effects of spleen phys. 612.4141
 history of " 612.309
 human physiology 612.3
 influence of vagus phys. 612.819913
 intestinal " 612.332
 of milk " 612.6647
 plants 581.132
 practical chemistry 542.61
 theories of physiology 612.301
 tryptic " 612.342
Digestiv
 secretion in animals 591.143
 system anatomy 611.3
 diseases of 616.3
 drugs acting on 615.73
 surg. operations 617.43
 tract, absorp. in physiol. 612.386
 sympathet. system 612.898
Digests
 of cases, Amer. law 345.5
 Eng. " 346.5
 statutes, Amer. " 345.3
 Eng. " 346.3
Digging tillage 631.511
 plow 631.3126
 tools 631.311
Digitalis cerebro-card. pois. 615.99
 diuretics 615.761
Digitalis materia medica 615.32381
 stimulants 615.711
Digits, extra deformities 617.36
Dignities heraldry 929.7
Dignity of
 labor polit. econ. 331.013
Dikes engineering 627.4
 geology 551.88
 reclamation 631.64
Dil garden crops 635.74
Dilatation gases 533.2
 obstet. oper. 618.84
Dilatores nasi anatomy 611.7323
Diligence ethics 179.9
Dilleniaceæ botany 583.112
Diluvial deposits geology 551.35
Dimension, fourth geom. 513.8
 stone foundat. 721.1332
Dimensions of earth 525.13
 lib. bkcases 022.442
 sun 523.71
²**Diminutivs Lat. etymol.** 472.5
Dimorphism crystallog. 548.3
Dingley tariff act U.S.hist. 973.88
Dining
 car cookery 641.576
 domestic economy 642
 room dom. econ. 643.4
 furnish'g " " 645.66
Dinka sheep 636.386
Dinner parties dom. econ. 642.42
 recipes " " 641.54
Dinners, family " " 642.1
 public " " 642.45
Dinocerata paleontology 569.7
Dinosauria reptils 598.19
Diocesan schools educa. 377.4
Diocese ecclesiastic polity 262.3
Diodorus Greek philos. 183.6
Diogenes " " 183.4
Diophantin anal. algebra 512.23
Dioptrics optics 535.3
Diorite lithology 552.36
Dioscoreaceæ botany 584.27
Dip of rocks geology 551.85
Diphenyl group org. chem. 547.27
Diphtheria diseases 616.931
 public helth 614.512
³**Diphthongs Eng. lang.** 421.2
Diplomacy 327
 internat. law 341.7
Diplomas school records 371.291
Diplomatic history
 Great war 1914-19 940.32

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Diplomatic history			
United States civil war	973.72		
Mex. "	973.622		
revolution	973.32		
Span. war	973.892		
war of 1812	973.522		
³ Diplomatics	Eng. lang.	421.7	
	paleografy	417	
Diplopia	physiology	612.8468	
Dippers	baptist sect	286.5	
	birds	598.8	
Dipropargyl	org. chem.	547.24	
Dipsacæ	botany	583.541	
Dipsomania			
mental derangements	132.7		
temperance	178		
Diptera	insects	595.77	
	pests	632.77	
Dipterocarpeæ	botany	583.167	
Direct			
current arc light elec.eng.	621.32552		
machin. " "	621.3132		
systems " "	621.319122		
trac.lines " "	621.33142		
expansion refrigeration	621.5652		
legislation polit. science	328.26		
mandate legis. restriction	328.349		
primaries suffrage	324.237		
probabilities mathem.	519.1		
taxation polit. econ.	336.21		
vote election methods	328.3355		
Direction			
calculus of anal. geom.	516.8		
sense of physiology	612.8861		
Directions, method of, geod.	526.54		
Directories	914-919		
legislativ, official	328.338		
unofficial	328.339		
newspaper	016.07		
Directors library gov't	023.3		
Directory, 1795-99, Fr. hist.	944.045		
Dirigible			
aircraft aeronautics	629.154		
torpedoes naval engin'g	623.95		
Dirt roads engineering	625.74		
Disabilities, polit. suffrage	324.17		
Disability, inherited mental	613.92		
Disaccharids physiology	612.39614		
Disappearing mounts, ordn.	623.4333		
Disarmament arbitration	341.6		
Disasters aeronautics	629.145		
at sea adventures	910.4		
navigation	656		
Disc stresses steam turbins	621.16514		
Discharge			
from military servis	355.114		
of pupils school gov't	371.56		
sewage into sea	628.39		
teachers	371.142		
wastes into streams	628.541		
water engin'g	627.1		
Disciples of Christ sects	286.6		
	biog.	922.6	
Disciplin			
civil servis	351.4		
ecclesiastic polity	262.9		
education	371.5		
legislativ bodies	328.366		
mental education	370.1		
military milit. science	355.13		
prison	365		
shop pol. econ.	331.1		
Disciplinary			
offisers college & univ.	378.113		
penalties school gov't	371.54		
personnel " "	371.57		
power admin.	351.92		
Discomycetes botany	589.233		
Discophora zoology	593.77		
Discount banking	332.8		
Discounts lib. bookbuying	025.222		
Discourses theology	252		
2	see subject		
Discoverers biografy	923.9		
Discoveries geografy	910		
	science, hist.	509	
	useful arts	608	
Discovery			
art of			
day school observance	371.365		
of America U.S.hist.	973.1		
Canada history	971.011		
territorial pol. sci.	320.1261		
Discriminants algebra	512.85		
Discs steam turbins	621.16534		
Discussion, freedom of	323.443		
Disease			
bile in physiology	612.35766		
gastric juice in "	612.3265		
germs medicin	616.01		
hart in physiology	612.176		
leucocytes in "	612.1126		
myografy in "	612.74116		
nitrogen metab. in "	612.461236		
pulse in "	612.166		
ration in "	612.3956		
red corpuscles in "	612.1116		
respiratory exch. in "	612.226		

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- D'sease**
 temperature in physiol. 612.556
 uric acid in " 612.466256
 urin in " 612.4662
 vasomotors in physiology 612.186
- Diseased meat poisons** 615.94
- Diseases**
animals veter. med. 619
 zoology 591.2
 bacterial agriculture 632.3
 zootechny 636.0896
classification of nosology 616.01
 communicable to man
 anim. hyg. 614.93
 pub. helth 614.56
 " " 614.4
 of dom. animals 614.91
 special pub. helth 614.5
 inherited hygiene 613.93
mental medicin 616.8
 mind and body 132
 mortality pub. helth 614.147
 of butter dairy 637.26
 children medicin 618.9
 ear surgery 617.8
 eye surgery 617.7
 milk dairy 637.16
plants agriculture 632
 botany 581.21
 pregnancy 618.3
 teeth dentistry 617.6
 women pathology 618
pathology 616
puerperal obstetrics 618.7
- Disfranchisement suffrage** 324.17
- Dishcloth gourd** 635.627
- Dishes**
 fine arts 738
 tableware dom. econ. 642.7
- Dishley cattle** 636.2288
 sheep 636.3212
- Dishonesty ethics** 174.7
- Dishwashing machines** 648.54
- Disinfectants**
 contagious diseases 614.482
 domestic economy 648.6
 external therapeutics 615.777
 laundry domestic econ. 648.6
- Disinfection**
 contagious diseases 614.48
 of sewage 628.32
 the ded pub. helth 614.64
- Disintegration geol. agents** 551.9
- Disk**
 cultivator 631.3165
 harrow 631.3136
 pile foundations architect. 721.153
 plow 631.3128
 rollers 631.3142
- Dislocations** geology 551.87
 surgery 617.16
- Disorders of vision eye dis.** 617.75
- Dispensaries institutions** 362.1
 pharmacy 615.4
- Dispensations absolution** 265.6
- Dispensatories mater. med.** 615.12
- Dispersion optics** 535.4
- Displacement**
 of molecules physics 539.5
 parts deformities 617.38
 of water shipbuilding 623.81
- Display in printing** 655.25
 social ethics 177.4
- Disposal of**
 sewage san. engin'g 628.3
 the ded pub. helth 614.6
 wastes san. engin'g 628.54
- Disproportionate growth** 617.37
- Disputations religion** 204
 ' see subject
- Disraeli, B:** Eng. fiction 823.86
- Dissection anat. animal** 591.7
 human 611.07
 ethics 179.4
 laws 614.22
- Dissenters Eng. relig. hist.** 274.2
- Dissipation ethics** 178
- Dissociation chem. affin.** 541.39
 theory of solution chem. 541.3411
- Dissolution**
 legislativ bodies 328.356
- Distance of earth from sun** 525.15
 moon 523.31
 stars 523.81
- Distances, mesurement** 526.92
- Distemper painting** 698.2
- Distild beverages adulterat.** 614.345
 chem.tech. 663.5
- Distillation chemic tech.** 668.7
 prac. chem. 542.48
- Distilleries architecture** 725.42
- Distilling air pollution** 614.732
- Distortions**
 and corrections geom. 515.66
 congenital surgery 617.39
- Distributing mach. printing** 655.28

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Distribution		
architectural elevation	729.12	
plan	729.22	
methods of fertilizers	631.816	
of animals	591.9	
capital pol. econ.	331	
fertilizers agric	631.816	
plants	581.9	
products pol. econ.	338	
time chronology	529.76	
type	655.25	
wealth pol. econ.	331	
static electricity	537.22	
tide astronomy	525.63	
Distributiv cooperation	334.5	
laws solar syst.	523.21	
Distributors, fertilizer	631.333	
District		
court reports, U. S.	345.41	
¹ of Columbia, U. S. hist.	975.3	
Districts		
election representation	328.3345	
Ditching spade	631.3111	
Dithyrambics Greek lyrics	884	
Ditmarsh sheep	636.3314	
Diuretics physiology	612.4641	
therapeutics	615.761	
Diurnal inequality of tides	525.63	
Divers birds	598.4	
Divination magic	133.3	
Divine		
attributes doct. theol.	231.4	
healing	265.8	
humanity christology	232.8	
justis doct. theol.	231.8	
law " "	231.7	
Providence " "	231.5	
natural "	214	
right of kings pol. sci.	321.6	
servis public worship	264	
Diving bells pneumatics	533.86	
submarine	627	
Divining rod	622.12	
Divinity theology	230	
schools architect.	727.4	
theology	207	
Divorce ethics	173.1	
law	347.6	
public helth	614.18	
Dobereiner gas apparatus	542.72	
Dobruja history	949.8	
Dochmii Greek prosody	486.3	
Dock agriculture	635.45	
bildings architect.	725.34	
Docks harbor engin'g	627.3	
Docks shipbiling	623.83	
Dockyards harbor engin'g	627.3	
Doctors' lives	926.1	
Doctrinal sermons	252.3	
theology	230	
Doctrins, relig. heresies	273	
theology	230	
Documents, public	328	
legislativ distribution	328.347	
special library material	025.1734	
storage lib. economy	025.8	
¹ Doddridge co. W. Va. hist.	975.456	
¹ Dodge co. Wis. " "	977.582	
Dog		
captor zootechny	636.08113	
diseases of compar. med.	619.7	
domestic animals	636.7	
fighting ethics	175.6	
machine gearing	621.837	
protector zootechny	636.0835	
tax polit. econ.	336.27	
zoology	599.7	
Dogma	230	
Dogmas religious hist.	273	
Dogmatic sermons	252.3	
Dogmatics	230	
Dolerite lithology	552.35	
Dolichocephaly craniology	573.7	
Dolichos	635.654	
Dolls dom. economy	649.55	
Dolmens prehist. arch.	571.94	
Dolomite lithology	552.55	
Domain, eminent law	347.2	
state finance	336.1	
Dome, boiler steam eng.	621.18452	
locomotiv boiler	621.1336	
Domes		
construction architect.	721.46	
design " "	729.34	
observatories astron.	522.12	
roofs architect.	721.57	
Domesday book Eng. fin.	336.42	
Domestic		
animals	636	
infect. diseases of	614.91	
architecture	728	
ashes san. engin'g	628.44	
duties ethics	173	
economy	640	
education	376.3	
garbage sanitary eng.	628.44	
mammals	599.7	
medicin	616.02	
relations law	347.6	
polit. science	323	

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- Domestic
 servis 647
 trade 381
 use and waste of water 628.17
 worship family prayer 249
Domestication, effect on
 animals and plants 575.2
Domicil
 legal capacity law 347.1
 suffrage qualifications 324.16
Dominican fowls 636.5811
¹ Republic history 972.93
Dominicans mon. orders 271.2
¹Dominion of Canada history 971.05
Dominoes games 795
Dompelaers baptist sect 286.1
Domschulen cathed. sch. 377.4
Donatists sects 281.4
¹Donegal, Ireland history 941.63
Donelson, Ft U.S.civ.war
 capture " " 973.752
 capture " " 973.7322
¹Dongola, Egypt history 962.5
Doni, A. F. Ital. fiction 853.42
Donkeys dom. animals 636.182
Donne, J: Eng. satire 827.35
Door
¹ co. Wis. history 977.563
 furnishings dom. econ. 645.3
 keepers legis. employees 328.3625
 mats lib.econ. 022.965
 openers dom. " 643.6
Doors arch. construction 721.8
 design 729.38
 furnace steam eng. 621.18355
¹Dorchester co. Md. hist. 975.227
 Que. " 971.472
¹Dordogne, France " 944.72
Dorian migration Gk " 938.01
Doric order architecture 729.32
Doris ancient history 938.3
Dorking fowls 636.521
Dormers architec. constr. 721.55
 design 729.35
Dormitories architecture 727.2
 student life 371.87
Dorr's rebellion U. S. hist. 973.58
Dorsal
 cord anat. 611.8213
 interosseous artery " 611.13794
 muscles " 611.731
 thorax " 611.946
Dorsalis pedis " 611.13794
¹Dorset, England history 942.33
Dorset down sheep 636.3233
- Dorset
 horn sheep, short-wool 636.3241
Dort confession 238.42
 synod of 284.2
Dosology materia med. 615.14
Douay Bible Eng. version 220.52
Double
 bass stringd instrum. 787.4
 bassoon wind " 788.8
 curvature, geometry 513.58
 " mod.anal.geom. 516.58
 of spine 616.73
 curvd lines descr. geom. 515.13
 surfaces " " 515.15
 flowers floriculture 716.2
 " morphology 581.4
 fluid cells elec. eng. 621.3534
 moldboard plow 631.3126
 plow 631.3122
 refraction optics 535.5
 standard coins money 332.42
 stars astronomy 523.84
Doublebreasted plow 631.3126
¹Doubs, France history 944.46
Doubt metaphysics 121
Douche baths hygiene 613.44
Douglas, G. Eng. poetry 821.24
¹Douglas co. Ill. history 977.368
¹ Mo. " 977.883
¹ Wis. " 977.511
 pouch of anat. 611.6674
Dovizi, Bernardo Ital.dram. 852.32
Dower law 347.6
¹Down, Ireland history 941.65
 sheep 636.323
 Cotswold, sheep 636.3234
Doyère pipets prac. chem. 542.73
Drachmann, Holger Dan.fic. 839.8366
Draco's code Grecian hist. 938.01
Draft
 furnace steam eng. 621.1838
 horse 636.15
Drafting
 bill legislation 328.373
 drawing 744
 military recruitment 355.22
 room mfg plant 621.71
Drafts games 794
 U. S. civil war 973.7414
Drag farm implements 631.3611
 transport 631.3733
plank 631.3146

Topics in black face type are subdivided. Superior figures refer to the table. at the end of this index

Dragon flies	insects	595.73	Dravidian architecture	722.4
	pests	632.73	language	494
Dragonade	persecutions	272.4	literature	894
Dragons	folklore	398.4	Draw hoe	631.3151
Dragoons	pigeons	636.59631	Drawbridges	engineering
Drain spade		631.3111		624.8
Drainage			Drawing	740
agriculture		631.6	elementary educ.	372.52
engineering		627.5	see also special applications	
house		628.6	Drawing mills	mfg plant
natural	mining eng.	622.52		621.77
of cities		628.2	room amusem'ts	793
mines		622.5	furnishings	645.62
sewage farms		628.367	topografic	526.98
public health		614.77	Drawings	
road engineering		625.74	architectural	729
shipbuilding		623.85	classification & storage	025.177
Drains			detail bilding	692.2
reclamation	agric.	631.62	engineering	620.04
steam pipe	engin'g	621.1855	general bilding	692.1
Drake, Francis			linear	741
discovery of Amer.		973.17	mechanical engineering	621.004
*Drama			prehistoric archeology	571.71
American literature		812	Drawnwork	fancywork
English		822		746
freedom	pol. science	323.446	Dray	farm transport
French literature		842		631.3735
German	"	832	Drayton, M.	Eng. poetry
Greek	"	882		821.34
Italian	"	852	Dream books	folklore
Latin	"	872		398.7
miracle plays	Eng. lit.	822.1	Dreams	
	gen. hist.	809.2		135
	religion	244	physiologic psych.	612.82176
	moral influence	ethics	Dred Scott	
	sacred	244	case	causes U.S.civ.war
Spanish literature		862		973.7115
Dramas	Amer.civ. war	973.792	decision	slavery
	revolution	973.392		326.973
	U.S.war 1812.	973.5292	U. S. hist.	973.68
Dramatic			Dredges, steam	engin'g
amusements		792		621.154
art theater		792	Dredging	engineering
biografy	actors	927.92		627.7
	Eng. authors	928.22	foundations	721.176
composition		808.2	machinery	627.7
criticism		792	scientific voy.	508.3
history		792	Dresden	history
music		782		943.21
orchestral music		785.2	travels	914.321
*Dramatists' lives, English		928.22	Dress	costume
Draperies	dom. econ.	645.3		391
Drastics	cathartics	615.7325	ecclesiastic	247.7
Draugh's	games	794	ethics	177.4
			fashion	646.01
			magazines	646.05
			reform societies	646.06
			Dresses	domestic econ.
				546.43
			Dressing	
			hair	391.5
			of stone	masonry
				693.12
			ore	mining eng.
				622.7
			works	" "
				622.79
			Dressmaking	646.43
			Drewry's Bluff, Va.	
			U. S. civ. war	973.7365
			Driers	laundry appli.
				648.3

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Drift, glacial geology 551.33
 remains prehis. arch. 571.11
 Drifting and tunnel'g min. 622.26
 Dril military science 355.5
 plow 631.3124
 Drilling mech. eng. 621.952
 mining " 622.23
 seedage 631.5312
 Drills seeding machines 631.3315
 steam engines for 621.154
Drink chem. analysis 543.1
 Drinking, social ethics 178.3
 usages customs 394.1
 Drinks, *see* Beverages
 Drives landsc. gardening 713
 Driving 798
 Dromedary domes. animals 636.295
 'Drôme France history 944.98
 Droop system suffrage 324.224
 Dropsy diseases 616
 Droseraceæ botany 583.393
 Drought agriculture 632.12
 meteorology 551.57
Drowning protec. of life 614.81
Drugs 615.1
 adulteration of 614.35
 analytic chemistry 543.4
 economic botany 581.63
 intoxicating ethics 178.8
 hygiene 613.8
 Druids 299.16
 Drum musical instrum. 789.1
 boiler steam eng. 621.1845
 Drumhead of ear anat. 611.855
 Drumlins geology 551.33
 Drummond, W: Eng. poet. 821.36
 'Drummond co. Que. history 971.456
 light 665.7
 Drums mining eng. 622.67
 Drunkenness crim. law 343
Drupaceous fruits 634.2
 Drury's Bluff, Va. battle 973.7365
 Druses religion 297
Dry
 cleaning dom. econ. 646.6
 docks engineering 627.3
 shipblding 623.83
 farming 631.586
 goods trade production 338.4
 method qualita. anal. 544.2
 " quantita. " 545.4
 point engraving 767
 rot blding 691.1
 Dryden, J: Eng. poetry 821.48

Drying
 food preservation 641.4
 laundry process 648.3
 practical chemistry 542.68
 printing 655.33
 Dryplate processes fotog. 772
 Dualism ontology 111
 Parsee heresies 273.2
 Parseeism 295
 Duality mod. geometry 513.51
 Du Bellay, J. Fr. poetry 841.32
 'Dublin, Ire. history 941.83
 travel 914.183
 university 378.415
 'Dubois co. Ind. history 977.237
 'Dubuque city Ia. history 977.7391
 " " 977.739
 Ducis, J. F. Fr. drama 842.61
 Duck roofing blding 695.8
 shooting 799
 Duck-bild platypus zool. 599.1
Ducks poultry 636.597
 zoology 598.4
 Ductility molecular phys. 539.52
 Ducts, air ventilation 697.9
 kidney anatomy 611.61
 diseases 616.61
 see also qualifying word
 Dudevant, A.L.A.D. Fr. fic. 843.82
 Dueling ancient law 340.3
 criminal " 343
 customs 394.8
 ethics 179.7
 student life 371.82
 Duets vocal music 784.82
 Du Fail, Noël Fr. fiction 843.34
 'Dufferin co. Ont. history 971.341
 Dufresny, C: R. Fr. dram. 842.47
 Dugouts boatblding 623.8212
 'Dukes co. Mass. history 974.49
 Dulcimer music 787.9
Dum
 asylums 362.4
 bells gymnastics 613.71
 education of 371.912
 waiters dom. econ. 643.6
 engin'g 621.87774
 Dumas, A. fils Fr. dram. 842.84
 A. D. père " " 842.77
 " " fic. 843.76
 Dumb, *see* Dum
 Dumba sheep 636.385
 'Dumbarton, Scotland hist. 941.37
 Dumbar:onsire fowls 636.528

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Dumdum bullets	623.45535	Dusting	
¹ Dumfries, Scot. hist.	941.48	domestic economy	648.52
Dummy titles lib. econ.	020.88	protection against pests	632.94
Dumpies, Scotch poultry	636.528	Dutch	
Dumping grates st'm eng.	621.18354	cattle	636.235
wagons agric.	631.3735	cheese, hard	637.3543
Dunbar, W: Eng. poetry	821.23	soft	637.356
¹ Dunbarton, Scotland	941.37	¹ East Indies history	991
¹ Dundas co. Ont. history	971.375	¹ Guiana	988
Dunes geology	551.33	travels	918.8
Dungfork digging tools	631.3114	hoe	631.3152
Dunkers baptists	286.5	⁴ language	439.3
¹ Dunklin co. Mo. history	977.899	⁵ literature	839.3
Dunlap, W: Am. drama	812.22	painting	759.9
Dunlop cattle	636.2252	poultry	636.53
Dunmore's, Lord, war	973.27	reformd church	284.1
¹ Dunn co. Wis. history	977.543	in Amer.	285.7
Duns Scotus mediev. phil.	189.4	¹ republic history	949.2
Duodecimals arithmetic	511.1	sheep	636.331
Duodenum anatomy	611.342	swine	636.434
diseases of	616.34	¹ Dutchess co. N. Y. hist.	974.733
¹ Dupage co. Ill. history	977.324	Duties	
Duplex telegraf commun.	654.2	and customs tariff	337
elec. eng.	621.38232	moral ethics	170
Duplicate dep't lib. econ.	025.26	of children	173.6
Duplicates		citizens	172.1
libraries and schools	021.33	college men	378.069
library accession routine	025.261	husbands and wives	173.3
sale of lib. econ.	025.265	library staff	023.7
Duplicating		trustees	023.35
machines offis equip.	652	parents ethics	173.5
notises, etc. lib. adm.	025.129	public offisers	172.2
Duplication, apparent		servants	173.8
deformities	617.34	dom. econ.	647.7
Duployé shorthand	653.38	teachers education	371.101
Dupont, Pierre French poet.	841.82	public sermons	252.6
Dura mater, cerebral anat.	611.8195	remitted library aid	021.861
sinuses of "	611.14511	social ethics	177
spinal "	611.8295	stamp polit. econ.	336.27
¹ Durango, Mexico hist.	972.1	Duty religion	233.4
Durbar social customs	394.4	free importation	337.8
D'Urfey, T: Eng. humor	827.44	Du Vair, Guillaume Fr. lit.	844.41
¹ Durham, England hist.	942.81	Dwarf blueberry	634.734
cattle	636.2222	Dwarfs biology	573.8
¹ co. Ont. hist.	971.356	Dwellings	
Duroc Jersey swine	636.483	architecture	728
Durra cereals	633.178	farm	631.21
Dusseltal swine	636.431	hygiene	613.5
Dust		laboring classes	331.83
air pollution	614.71	prehistoric	571.8
cosmic descrip. astron.	523.16	sanitation	628.6
inhalation of hygiene	613.63	Dwight, Timothy Am. poet.	811.22
prevention of, in factories	628.511	Dyadic arithmetic	511.1
		Dyaks history	991.1

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Dyeing	chem. tech.	667.2
Dyes	agriculture	633.86
	anilin chem. tech.	667.2
Dykes	engineering	627.4
	geology	551
Dynamic electricity		537.5
	engineering	621
	geology	551
Dynamics, celestial		521.1
	chemic	541.39
	electro-	537.6
	physics	531.3
Dynamite	chemic tech.	662.2
	storage prot. of life	614.833
Dynamoelectric machinery		621.313
Dynamogenesis	physiology	612.8011
Dynamometer	physics	531.21
	physiology	612.744211
	steam plant	621.1977
Dynamos		
	electric engineering	621.313
	electrodynamics	537.83
Dynamotors	elec. eng.	621.31326
Dysentery	diseases	616.935
	public helth	614.516
Dyspepsia	dietetiv diseases	616.39
	digestiv diseases	616.33
	physiology	612.326
Dyspnea	"	612.2842

Ear		
	anatomy	611.85
	care of hygiene	613.49
	def and dum asylums	362.4
		arch. 725.54
	diseases surgery	617.8
	hospitals	362.1
		architecture 725.51
	muscles anatomy	611.7324
	physics	534.7
	physiology	612.85
	psychology	152.2
	rings jewelry	391.7
	stones comp. anat.	591.48
	human "	611.8526
	physiology	612.85876
Early		
	Christian architecture	723.1
	philosofy	189
	Christians history	270.1
	education, elementary	372
	English text society	820.6
	forms of Eng. language	427.01
	Greek philosofy	182
	institutions pol. science	321.1
	printed books	093
	rising hygiene	613.79
Earnings, student		378.365
Earth		
	astronomy	525
	attraction of moon	523.33
	burial of ded customs	393.1
		pub. helth 614.611
	closet system sanitation	628.43
	figure of	526.1
	houses prehist. archeol.	571.82
	internal heat of geology	551.12
	movements geology	551.24
	physical geology	551
	rotation of astronomy	525.35
	structure of phys. geol.	551.1
	surface features	551.4
		irregularities 526.64
Earthenware	chem. tech.	666.6
Earthquakes	agriculture	632.19
	geology	551.22
Earths, rare	inorg. chem.	546.6
Earthwork		
	foundations architec.	721.1
		engin'g 624.15
	mining "	622.21
	railway engineering	625.12
	roadmaking	625.73
Earthworks	fortifications	623.122
	prehist. archeol.	571.9

Earthworms	zoology	595.1	Eccentrics, lives of	920.8	
Earwigs	pests	632.72	machinery	621.85	
Easels	lib. fittings	022.933	Ecclesiastes	Bible	223.8
Easements	law	347.2	Ecclesiastic		
East			antiquities	209	
and West, relig. schism		270.3	architecture	726	
Anglian cattle		636.2267	art ecclesiology	246	
Friesian cattle		636.2343	biography	922	
poultry		636.538	calendar	chronology	529.6
Friesland horse		636.143	ceremonies	customs	394.4
India Company		382	costume		247
¹ Indian archipelago	hist.	991	councils		262.4
languages		491.4	courts		348
¹ Indies	history	954	fasts	personal religion	248
¹ Dutch	"	991	public worship		264
¹ Liverpool, O.	"	977.1631	feasts		264
¹ New Jersey	"	974.91	furniture	ecclesiology	247
¹ Prussia	"	943.11	history		270
travels		914.311	Latin, modern	philol.	479
Prussian horse		636.143	law	canon law	348
River bridge	engin'g	624.5	legends		209
¹ Russia	history	947.8	for special topics	see topic	
travels		914.78	music		783
¹ St Louis, Ill.	history	977.38	polity		262
¹ Turkestan	"	951.6	statistics		209
travels		915.16	trials		262.9
Easter	Anglican calendar	264.031	vestments	ecclesiology	247.7
chronology		529.6	Ecclesiastics	biography	922
music		783.28	Ecclesiasticus	Bible	229.4
school observ.		371.365	Ecclesiology	church	261
Eastern			symbolism		246
church		281.9	Echinoderms	paleontology	563.9
churches		281.5	zoology		593.9
¹ empire		949.5	Echinoidea	"	593.95
island travel		919.7	Echinus	fishery	639.6
Pacific ocean	phys.geog.	551.466	Echo	acoustics	534.2
¹ Panhandle, W. Va.	hist.	975.49	Eclampsia	diseases	616.845
question	Turkish history	949.6	Eclectic	medicin	615.5
¹ states	U. S.	974	philosophy		148
Eating	customs	394.1	Eclipses, find'g longitude by		525.48
hygiene		613.2	of moon		523.38
plesures of		641.01	sun		523.78
¹ Eaton co. Mich.	history	977.423	theory		521.8
¹ Eau Claire city, Wis.	"	977.546	Ecliptic		
¹ co.	"	977.545	inclination of equator to		525.51
Ebenaceæ	botany	583.685	plane of astron.		525.32
Ebenaceous fruits		634.45	solar system		523.26
Ebenales	botany	583.68	Écoles congréganistes		377.3
Ebers, G;	German fiction	833.86	Ecology	botany	581.15
Ebony family	fruit culture	634.45	evolution		575.3
Eccentricity			zoology		591.15
in manners	ethics	177	Economic		
of orbit of earth		525.33	botany		581.6
seasons		525.52	chemistry	chem. tech.	660
			cookery	dom. econ.	641.55

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index.

Economic			Edict of Nantes	
geology	553		persecutions	272.4
value of fertilizers	631.815		religious hist. France	274.4
zoology	591.6		Ediles Rom. antiquities	913.37
Economics			¹ Edinburgh, Scot. history	941.44
butter business	637.21		travels	914.144
cheese business	637.31		university	378.41
farm	631.1		Editions, choice of	
milk business	637.11		reading and aids	028.2
nature of	330.11		Editorial work journalism	070.4
of fashions dom. econ.	646.01		lit. meth.	029.6
political economy	330		Edmund polyg. act U.S.hist.	973.84
stockfarming	636.081		Edom ancient history	939.46
Economizers, feedwater	621.1972		Education	370
Economy, domestic	640		and the church religion	261.5
ethics	174		sociology	377.8
library	020		general, for library servis	023.531
political	330		in relation to labor	331.85
student	378.368		industrial systems	371.42
Ecstasy religion	248		useful arts	607
Ecstatics ment. derange.	132.5		of voters	324.14
Ectoblast embryology	611.01338		women	376
Ectoderm "	611.01338		young	372
Ectodermic organs "	611.0135		public state control	351.851
Ectopic gestation obstetrics	618.31		system	379
hart physiology	612.1717		self	374
Ectozoa animal parasites	616.968		suffrage qualifications	324.14
¹ Ecuador history	986		systems of	371.4
travels	918.6		useful arts	607
Ecumenic			² special, see subject	
council eccles. polity	262.5		Educational	
relig. hist.	270.2		bildings architecture	727
Eczema dermatology	616.52		ethics	171.7
Edam cheese	637.3543		measurements elem. educ.	372.102
Eddas Norse literature	839.6		paidology	136.702
Eddy currents engin'g	621.311		psychology	370.15
physics	537.6		reports, public	379
Edema physiology	612.381		sermons	252.5
Eden orig. home of man	572.4		Educator, library as	021.2
Edentata mammals	599.3		Educators' lives	923.7
¹ Edgar co. Ill. history	977.369		Edward 1 Eng. history	942.035
Edgeworth, M. Eng. fiction	823.72		2 "	942.036
Edible			3 "	942.037
bulbs garden crops	635.2		4 "	942.044
flowers "	635.3		5 "	942.045
fruits "	635.6		6 "	942.053
leaves "	635.3		7 "	942.082
roots "	635.1		Edwards, J. Am. philos.	191.1
seeds "	635.6		¹ Edwards co. Ill. history	977.3791
stems	635.3		Ferry, Va. U.S. hist.	973.7318
tubers garden crops	635.2		Eels zoology	597.5
Edict of Nantes			Effect	
French history	944.03		and cause metaphysics	122
Huguenots	284.5		perspectiv arch. design	729.15
			Effen, J. van Dutch essays	839.344

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Efficiency	
and college training	378.01
school courses	375.0072
bonus economics	331.225
business methods	658
Effigies, monumental	718
¹ Effingham co. Ill. hist.	977.3796
Efflorescence chemistry	541.39
Effluvium nuisances	628.52
Efflux hydraulics	532.56
Eg embryology	591.3
Eggleston, E: Am. fiction	813.42
Egg, eggs, <i>see</i> Eg, eggs	
Egina marbles anc. sculpt.	733
Egoism ethics	171.9
Egplant	635.646
Egs	
cookery	641.665
dietetics	613.28
food value	641.12
oology	598.2
phys. of nutrition	612.39283
poultry	636.5
raising fowls for	636.0883
zootechny	636.08246
Eg-shape of sewers	628.224
Egypt	administration
antiquities	354.62
architecture	913.32
art	722.2
art	709.32
botany	581.962
finance	336.62
geology	556.2
hieroglyphics	493.1
history, ancient	932
modern	962
language, old	493.1
maps	912.62
mythology	299.31
obelisks, antiq.	913.32
monum.	718
philosofers	181.2
pyramids, antiq.	913.32
religion	299.31
schools	379.62
statistics	316.2
travel	916.2
treaties	341.262
other topics <i>see</i> table 1	
Egyptian corn	633.178
goat	636.39862
goose	636.59887
sheep	636.386
¹ Sudan	history 962.6
travels	916.26
Egyptology antiquities	913.32
Ehrensward, T. C. Gyllem-	
bourg Danish fiction	839.8361
Eichendorff, J. Ger. poetry	831.72
Eiderstedt sheep	636.3314
Eight hour law pol. econ.	331.81
Eighth nerv anatomy	611.8318
physiology	612.8198
Eilschov, F. K. Dan. misc.	839.8843
Einstein theory astronomy	521.12
physics	531.51
Ejaculatory duct anat.	611.635
Ejectment law	347.2
Ejectors mech. engin'g	621.69
Elæagnaceæ botany	583.935
Elasmobranchii fishes	597.3
Elastic tissue histology	611.01827
Elasticity	
of muscle physiology	612.7414
physics	539.3
pulmonary physiology	612.212
tests engineering	620.1123
Elastin nutrition	612.398146
Elateridæ zoology	595.76
Elatineæ botany	583.161
Elbigen sheep	636.3317
Elbow anatomy	611.973
joint	" 611.7273
Elci, A. M. d' Ital. satire	857.66
Elderberry agriculture	634.747
Elders ecclesiastic polity	262.15
El Dorado folklore	398.3
¹ co. Cal. hist.	979.441
Eleatic Greek filosofers	182.3
Election	
doctrinal theology	234.9
frauds suffrage	324.27
U. S.	324.73
sermons	252.6
to legislativ body	328.3355
Elections	
city admin.	352.004
legislativ jurisdiction	328.342
U. S. law	324.73
voting procedure	324.24
Electiv franchise	324
system education	375.004
Electoral	
college suffrage	324.249
commission	" 324.73
U. S. hist.	973.82
frauds suffrage	324.27
lists	" 324.241

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Electoral		
system	polit. science	321.8
systems	suffrage	324.21
Electric		
animals	comp. physiol.	612.771
apparatus	inspection	614.836
communication	eng.	621.38
cooking appliances		643.336
elevators	engin'g	621.8775
	lib. bldgs	022.95
engineering		621.3
execution of criminals		343.2
furnace	physics	537.85
	prac. chem.	542.47
heating	bilding	697.7
	dom. econ.	644.26
heating	prac. chem.	542.47
irritation of nerves		612.8161
light	domest. econ.	644.315
	libraries	022.754
	mech. eng.	621.32
	physics	537.83
lighting	shipbilding	623.85
	stations	621.3122
machinery	engin'g	621.313
machines	physics	537.23
manipulation	chem.	542.8
measurements	engin'g	621.37
	physics	537.7
mesuring of temperature		536.53
methods	qual. analysis	544.9
	quan. "	545.3
phenomena	physics	537.4
	of muscles physiol.	612.743
	nervs "	612.813
	skin "	612.795
plant	shipbilding	623.85
plow		631.3123
power stations	eng.	621.312
	transmission "	621.319
railways	"	621.33
resistance	mesology	612.014422
shock	surgery	617.12
signals	physics	537.88
stimulation of hart		612.1723
storms	physics	538.7
stoves	kitch. equip.	643.336
telegraf, communication		654
	engineering	621.382
	physics	537.81
testing	useful arts	621.37
traction stations		621.3123
vehicles	engin'g	629.2
vessels	shipbilding	623.823
Electricians	lib. econ.	023.772
Electricity		537
accidents from		614.836
animal	mind and body	134
	physiology	612.014423
	zoology	591.57
applied	engineering	621.3
	physics	537.8
cooking by		641.586
effect on muscles		612.74163
farm power		631.3717
generation	useful arts	621.31
heating by	dom. econ.	644.26
hygiene		613.16
therapeutics		615.84
Electro-		
analysis	qualitativ	544.9
	quantitativ	545.3
ballistic machines	gun'ry	623.5
biology	animal mag.	134
	biology	577
blasting	mining	622.23
chemic autom. teleg.		621.38241
chemistry		541.37
chronograf	astronomy	522.52
culture	crops	631.5881
dialysis	prac. chem.	542.8
dynamics		537.6
kinetics	dynamic elec.	537.5
magnetism		538.3
metallurgy		537.85
motors	machines	621.313
	science	537.83
physiology	anim. mag.	134
	biology	577
	physiology	612.01442
plating	manufactures	671
	metallurgy	537.85
Electrodes	electrophysiol.	612.014421
	engineering	621.3522
Electrolysis	qual. anal.	544.9
	quant. "	545.3
Electrolytes	elec. eng.	621.3524
Electrolytic anal. chem.		545.3
	rectifiers eng.	621.31374
Electrometers	engin'g	621.3743
	physics	537.25
Electromotiv		
force of hart		612.1724
phenomena		
	of nervous excitation	612.8223
Electromotors	elec. eng.	621.313
Electrons	chemistry	541.2
Electrostatic apparatus	eng.	621.315
Electrostatics	static elec.	537.2

Electrotherapy			Eliesen, Povel Dan. mis.	839.8822
electric engineering	621.3915		Eligibility	
electrophysiology	612.014428		to legislativ body	328.331
medicin	615.84		offis citizenship	323.68
Electrotonus electrophys.	612.014423		Eliminants algebra	512.85
physiology	612.8133		Eliot, George Eng. fic.	823.88
Electrotyping printing	655.22		¹ Elis ancient history	938.8
Eleemosynary institutions	361		Elixir of life alchemy	540.1
Elefants domestic animals	636.9		Elizabeth, Queen Eng. hist.	942.055
zoology	599.6		¹ Elizabeth, N. J. history	974.937
⁸ Elegiac poetry Eng. lit.	821.04		Elizabethan persecutions	272.7
Gk "	884		style arch	724.4
Latin "	874		¹ Elk co. Pa. history	974.865
Elemental destruction agric.	632.1		¹ valley, W. Va. "	975.464
Elementary			¹ Elkhart co. Ind. "	977.281
education	372		Elkhorn tavern, Ark.	
forms arch. design	729.3		U. S. civ. war	973.7323
⁸ readers Eng. language	428.6		Ellipse analytic geom.	516.23
schools	372.9		geometry	513.23
gymnastics in	371.7321		Ellipsis Eng. language	425.3
libraries for	371.645		⁸ other languages	
manual training	371.422		Ellipsoid analytic geom.	516.43
theory of music	781.2		Ellipsoidal figure geodesy	526.16
Elements			Ellipsoids, potentials of	526.11
chemic chem. tech.	661.1		Elliptic functions calculus	517.36
chemistry	546		Ellipticity, law of geodesy	526.13
false "	546.99		¹ Elmira, N. Y. history	974.779
required architect. design	729.21		Elocution	808.5
Elephants, <i>see</i> Elefants			vocal culture	784.9
Eleusinian mysteries			Elongated	
Greek antiquities	913.38		bullets ordnance	623.45125
mythology	292		small arms	623.4552
Elevated			projectils ordnance	623.4512
ground hygiene	613.12		Eloquence	808.5
railroad city transit	388		⁸ Eng. oratory	825
engineering	625.4		Elvs folklore	398.4
stations arch.	725.318		Elzevir editions rarities	094
temperature hygiene	613.64		Emanation metaphysics	129.5
ways public helth	614.782		Emancipation	
Elevation archit. design	729.1		of slaves	326.8
lib. bildings	022.341		woman	396.1
Elevations meteorology	551.53		proclamation U. S. hist.	973.714
Elevatormen lib. econ.	023.793		Embalming customs	393.3
Elevators			pub. helth	614.64
grain architecture	725.36		Embankments reclamation	631.64
hydraulic machinery	621.263		river eng.	627.4
library bildings	022.95		Embargo martial law	344
mech. engineering	621.877		of 1808-12 U. S. hist.	973.48
Eleventh nerv anatomy	611.83192		Embassadors interna. law	341.7
physiol.	612.8192		polit. sci.	327
¹ Elgin, Scotland history	941.23		Emblematic art ecclesiol.	246.5
¹ city, Ill. "	977.323		Emblems "	246
¹ co. Ont. "	971.334		Embolism of pulmon. artery	616.247
marbles	733		Embossing book lib. econ.	025.252
Elian filosofers Gk phil.	183.7		telegraf eng.	621.38244

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Embroidery	746	Employers	
Embryo anatomy	611.013	and employed ethics	174.8
physiology	612.64	pol. econ.	331.1
zoology	591.33	liability	331.82
Embryology animals	591.3	insurance	331.25
botany	581.3	Employment	
experimen.	611.0139	agencies, <i>see</i> Agencies	
human	611.013	hygiene	613.6
physiology	612.64	of children pol. econ.	331.3
Embryotomy obstet. oper.	618.83	time ethics	179.9
Emden goose	636.5983	women customs	396.5
Emergencies surgery	617.1	pol. econ.	331.4
Emergency help dom. econ.	647.29	Empresses biography	923.1
Emerson, R. W. Am. lit.	814.36	Emulation ethics	179
phil.	191.3	² Enallage Eng. syntax	425.2
transcendentalism	141	Enamel arch. decoration	729.65
Emery econom. geol.	553.65	chem. technology	666.2
wheels mach. tools	621.923	painting	751
Emetics physiology	612.3278	sacred ornam.	247.4
therapeutics	615.731	Enarthrosis anatomy	611.72963
Emigrants polit. science	325.2	Encaustic painting	751
Emigration " "	325	Encephalon anatomy	611.81
¹ Emilia, Italy history	945.4	Enclosures of doors and win.	721.86
Eminent domain law	347.2	Encyclic letters eccles. pol.	262.8
Emissary vein anatomy	611.14513	Encyclopedias, general	030
Emmental cheese	637.3543	special, <i>see</i> subject	
¹ Emmet co. Ia. history	977.7125	Encyclopedists, Fr. relig.	239.6
¹ Mich. " "	977.488	lives	920.3
Emollients external thera.	615.776	Endbrain anatomy	611.813
internal " "	615.735	Endemic diseases	616
Emotions physiol. psych.	612.82133	Endemics med. geografy	614.42
psychology	157	Endive	635.55
Empedocles Gk filosofers	182.5	Endless punishment theol.	237.7
Emperor Ger. empire	354.4305	screw mech. eng'g	621.8333
Emperors biography	923.1	Endocardium anatomy	611.126
Empetraceæ botany	583.984	Endoderm embryology	611.01337
Empysema lung dis.	616.248	Endodermic organs " "	611.0134
¹ Empire, Eastern history	949.5	Endogamy customs	392.5
French 1st " "	944.05	Endolymf physiology	612.8586
2d " "	944.07	Endometrium anatomy	611.662
German gov't	354.4303	Endoneurium histology	611.018835
political science	321.03	Endosmose liquids	532.7
Roman hist.	937.06	Endowd libraries	027.4
Western, fall of " "	937.09	schools education	373
Empiric medicins, <i>see</i> Patent		vs public schools	379.3
medicins		Endowment	
philosofy	144	library support	021.92
Empiricism in medicin	614.26	life insurance	368.3
Employees		of research colleges	378.32
associations	331.88	public school support	379.13
domestic occasional	647.29	Endowments	
regular	647.2	library finance	025.111
legislativ	328.362	special subjects	025.211
		Endyma anatomy	611.828

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Enemeta, nutritiv hygiene	613.23	England	
Enemies of pests agric.	632.96	private law	347
Enemy		religious history	274.2
sympathizers Great war	940.3163	Romanesque architecture	723.42
Energy, conservation of	531.6	schools, public	379.42
vital physiology	612.0137	sculpture	735
Engelbrektsdatter, D.	839.8136	slavery	326
Engin and coach wagon	621.1328	societies, general	062
driven vessels	623.823	statistics	314.2
houses architecture	725.19	travel	914.2
Engineering, civil	620	treaties	341.242
dynamic	621	universities education	378.42
electric	621.3	zoology	591.942
illuminating	628.9	English	
industrial	658	Cambridge turkey	636.5922
locomotiv	621.13	carrier pigeon	636.59612
materials	620.1	cattle	636.22
mechanic	621	cheese, hard	637.3542
municipal	352.5	soft	637.3532
topographic	526.9	coach horse	636.142
Engineers lives	926.2	composition	808
military sci.	358.2	cyclopedias	032
U. S. civ. war	973.7417	deists apologetics	239.5
Engins	621	discovery of America	973.17
England		draft horse	636.152
administration	354.42	ducks	636.5972
antiquities	913.42	ephemerides	528.2
architecture	720.942	game poultry	636.58812
army	354.426	goat	636.392
bank of	332.15	language	420
biography	920.042	literature	820
botany	581.942	newspapers	072
church	283	periodicals, general	052
colleges education	378.42	philology	420
constitution	342.42	pony	636.162
education	370.942	poultry	636.52
finance	336.42	prisons Amer. revol.	973.371
geology	554.2	U.S. war of 1812	973.5271
government central	354.42	sheep	636.32
local	352.042	socialism	335.1
¹ history	942	swine	636.42
² language	420	thorobred horse	636.122
old	427.01	walnut	634.511
law	346	Engravers lives	927.6
libraries	027.042	occupation	613.65
literature	820	Engraving	760
local government	352.042	books of	769
maps	912.42	of seals and gems	736
navy	354.427	Engravings	
painting	759.2	cases for lib. fittings	022.485
peerage, etc.	929.72	catalogs of	016.76
philosofers	192	collections of	769
philosofers lives	921.2	special library material	025.177

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Engrossing			Entrées	cookery	641.82
clerks, legislativ	328.3623		Entropy	engineering	621.1011
legislativ bills	328.373			physics	536.7.
Enharmonic organ	music	786.9	Enunciation	elocution	808.5
Enigmas	amusements	793	Envallsson, K:	Swed. lit.	839.7254
⁵ English litera.		828	Environment		
Enlistment	army	355.22	evolution		575.3
Ennius	Latin drama	872.4	influence of	physiol.	612.0144
Enoch, Book of		229		therapeu.	615.56
Enrolment				on man	573.4
bill legislation		328.373		mental characteristics	136.2
school organization		371.21	Envy	ethics	179.8
Ensiform bone	anatomy	611.713	Enzina, J. del	Span. dram.	862.21
Ensigns	flags	929.9	Eocene fossils	paleontol.	560
Ensilage			period	geology	551.781
agriculture		633	Eolian harp	music	787.5
crops	agriculture	633.3	Eolithic age	prehist arch.	571.1
cutters	"	631.363	Epacridæ	botany	583.64
zootechny		636.08552	Epencephalon	anatomy	611.817
Entail	law	347.2	Ependyma	"	611.828
Entente			Ependymal cells	histol.	611.01884
Great war 1914-19		940.332	Epervier, ship		
Enteric fever	diseases	616.927	U. S. war of 1812		973.5255
	pub. helth	614.511	Ephemerides		528
Enterokinasis	physiology	612.33284	Ephesians	Bible	227.5
Enteropneusta	zoology	593.99	Ephesus, first council of		270.23
Enterprise, ship			history, ancient		939.23
U. S. war of 1812		973.5253	¹ modern		956.2
Entertaining			Epiblast	embryology	611.01338
⁵ collections	Eng. lit.	828	Epic	dramatic music	782.2
domestic economy		642.4	painting		753
Entertainments			⁵ poetry	Eng. lit.	821.03
and libraries		021.45		Greek	883
library support		021.96		Latin	873
licenses for		352.8	Epicharmus	Gk drama	882.5
private	dom. econ.	642.41	Epicranial muscles	anat.	611.7322
public	amusements	791	Epictetus	Gk filosofers	188.7
	dom. econ.	642.45	Epicurean filosofy		187
Enthusiasm	psychology	157	Epicurism	dom. econ.	641.01
	religious	269	Epidemic		
Enthymeme	logic	166	catarrh	diseases	616.203
Entity			monomania	derangem'ts	132.1
of state	political science	320.15	Epidemics		
Entoderm	anatomy	611.01337	contagious diseases		614.5
Entomology	zoology	595.7	diseases		616
Entomophthoræ	botany	589.229	library economy		024.47
Entomostraca	zoology	595.31	public helth		614.49
Entoptic phenomena		612.8434	Epidermal layer	embryol.	611.0135
Entozoa	parasitic dia.	616.962	Epidermis	anatomy	611.771
	zoology	595.1	Epidualymis	"	611.632
Entrance					
halls	library bldgs	022.681			
requirements	educ.	371.21			

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Epigastric				Equation	
artery, inferior	anat.	611.13781		of center orbits	521.38
superior	"	611.1345		time chronology	529.1
plexus	"	611.83931		personal astron. correc.	522.97
region	"	611.951		Equations, algebraic	512.3
Epigenesis	spontan. gener.	576.1		chemic	541.9
Epiglottis	anatomy	611.221		indeterminate	512.23
	physiology	612.7825		numeric	512.2
⁵ Epigrams	Eng. literature	828		theory of	512.82
Epigynæ	botany	584.2		trigonometric	514.4
Epilepsy				Equator, inclina. of seas'ns	525.51
cortical	physiology	612.8253		Equatorial	
diseases		616.853		belt earth	525.14
institutions		362.8		mounting telescopes	522.26
Epineurium	histology	611.018835		telescope astron.	522.46
Epiphany	Anglican fest.	264.031		Equestrian exercise	798
Epipharynx	anatomy	611.3271		Equilibrium	
Epiphysis cerebri	"	611.8145		astronomy laws	521.11
Epiploon	"	611.382		chemistry	541.39
Epirus	ancient history	938.2		of liquids physics	532.2
Episcopacy	sects	283		rotating spheroid	526.12
Episcopal charges	serm.	252.1		sense of physiology	612.886
church		283		Equinoxes	astronomy 525.5
in Scot.		283.41		Equipment of armies	355.8
orders	ministry	262.17		navies	359
Episcopalians	biograpy	922.3		ships	623.86
Episcopate	ministry	262.12		Equisetæ	botany 587.2
Epispastics	therapeutics	615.774		Equity law	347.8
Epistles	Anglican ritual	264.036		of redemp. law	347.2
Bible		227		Equivalence of force	phys. 531.21
Eng. literature		826		theoret. chem.	541.2
⁶ Epistolary writers, Eng.		928.26		Equivalent projec. on maps	526.85
Epistolografy		808.6		Equivocation	ethics 177.3
Epistropheus	anatomy	611.7113		Erbium	metals 546.65
Epitafs	genealogy	929.5		Ereckmann, Emile	Fr. fic. 843.85
monuments		718		Erectil tissues	vasomotors 612.188
Epithalamus	anatomy	611.8145		Erection	physiology 612.612
Epithelial tissue	histology	611.0187		Erector spinae	anatomy 611.7313
Epitheliums, glandular		612.409		Erepsin	physiology 612.3324
⁸ Epithets	Eng. language	426.8		Eretrian	philosofers 183.7
Epitrochleal glands	anat.	611.4672		Ergograf	physiology 612.744211
Epizoa	parasites, zoology	591.69		Ergot	stimulants 615.711
Epizootic diseases	vet. med.	619		uterins	615.766
Epophoron	anatomy	611.6676		Eric the Red	discov. of Am. 973.13
¹ Equador	history	986		Ericaceæ	botany 583.62
Equality				Ericales	" 583.6
legal	political science	323.42		Ericson, Leif	discov. of Am. 973.13
of individuals	"	323.41		Erie canal	U. S. history 973.55
races	"	323.41		¹ co. N. Y.	" 974.796
social ethics		177.5		¹ O.	" 977.122
Equalization				¹ Pa.	" 974.899
of representation	pol. sci.	328.3345		Ft, capture	U.S. hist. 973.5237
Equation				Lake, battle	" 973.5254
machine	astron. instru.	522.54		Eriocaulæ	botany 584.81

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- Erizzo, S. Ital. fiction 853.43
 Erlenmeyer flasks chem. 542.231
 Erosion geology 551.3
 Erotica ethics 176
 Errata proofreading 655.25
 Erratic boulders geology 551.33
 Errhines therapeutics 615.726
 Error, sources of logic 165
 Errors, gram. Eng. lang. 428.3
 of obsery. probabil. 519.6
 speech Eng. lang. 428.3
 popular occultism 133.7
 Erse language 491.61
 Eruptions volcanoes 551.21
 Eruptiv fevers diseases 616.911
 Erysipelas " 616.942
 Erythrocytes physiol. 612.111
 Erzerum, Asiat. Turk. hist. 956.6
 Escalators mech. engin'g 621.8676
 Escapements watchmaking 681
 Escharotics therapeutics 615.775
 Eschatology 236
 Escorial sheep 636.361
 Esdras Bible 229.1
 Eskimo dress dom. econ. 646.091
 history 998
 Esofageal
 artery anatomy 611.1355
 branches of vagus " 611.831919
 Esofagus anatomy 611.329
 diseases of 616.32
 physiology 612.315
 Espalier training 631.5463
 Espaliers plant supports 631.3453
 Esparto grass fibers 633.583
 Esperanto language 408.9
 Espronceda, J. de Span. poet. 861.52
 Esquimaux dress 646.091
 history 998
 Essayists, Eng. biografy 928.24
 Fr. " 928.44
 Ger. " 928.34
 Essays Eng. literature 824
 general collections 040
 special topic see subj.
 Essence metaphysics 121
 Essences chem. tech. 668.5
 Essenes Jewish relig. 296
 Essential oils chem. tech. 668.5
 Essex, England hist. 942.67
 co. Mass. " 974.45
 N. J. " 974.931
 N. Y. " 974.753
 travel 917.4753
 Essex co. Ont. history 971.331
 Vt. " 974.32
 ship U.S. war 1812 973.5255
 swine 636.4211
 Establish' church, Anglican 283
 Estaires poultry 636.547
 Estates law 347.6
 of the realm 328
 social classes 323.3
 Esters organic chem. 547.4
 Esther Apocrypha 229.2
 Bible 222.9
 Esthesiometers physiology 612.8831
 Esthetics architecture 720.1
 fine arts 701
 gastronomy 641.01
 literature 801
 Esthonia, Russia history 947.4
 travel 914.74
 Estimates bilding 692.5
 Estramadura, Sp. history 946.2
 sheep 636.361
 Etchers biografy 927.6
 Etching 767
 Eternal life doc. theol. 237
 punishm't " " 237.7
 Eternity doctrins 237.1
 natural theol. 218
 Ether anesthetics 615.781
 light 535.1
 physics 530.1
 poisons 615.965
 temperance 178.8
 Etherege, Sir G: Eng. dram. 822.42
 Ethers chem. tech. 668.5
 organ. chem. 547.4
 Ethical culture societies 170.6
 education 377.2
 ethics 170.7
 Ethics 170
 legal 174.3
 of copyright 655.61
 relation to pol. econ. 330.1917
 social 177
 Ethiopia ancient history 939.78
 modern " 966
 Ethiopic language 492.8
 Ethmoid bone anatomy 611.7156
 Ethnic religions 290
 Ethnografic
 basis theory of state 320.121
 Ethnografy 572
 Ethnology 572
 Ethnopsychology 136.4

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Etiology	medicin	616.01	European politics	parties	329.94
Etiquet	customs	395		raspberries	634.712
	ethics	177.1	Europium	inorg. chem.	546.696
Etruria	ancient history	937.5	Eurypterida	fossils	565.3
Etruscan	architecture	722.6	Eustachian tube	anatomy	611.856
⁴	language	477.5		ear dis.	617.86
Etudes	piano music	786.47		physiol.	612.856
³ Etymologies	Eng. lang.	422		valv anatomy	611.12662
Etymology			Eutaw Springs	Am. revol.	973.3373
	comparativ philology	412	Evald, Johannes	Dan. poet	839.8152
³	inflection Eng. lang.	425.1	Evaluation of books		028.8
⁴	other "		Evangelic alliance	relig.	206
Euboea	ancient history	938.4	Evangelist ministry		262.15
Eubulides	Greek philos.	183.6	Evangelistic		
Eucharist	sacrament	265.3	art		246.7
Eucharistic			music	ecclesiology	246.7
	music religious art	246.8		sacred music	783.7
	vessels sacred furniture	247.8	work	pastoral theol.	253
Euchre	amusements	795	writings	practical "	243
Euclid	Greek filosofers	183.6	¹ Evansville, Ind.	history	977.233
Euclidian geometry		513	Evaporating dishes	chem.	542.232
Eudemonism			Evaporation		
	private ethics	171.4	cutaneous	physiol.	612.524
	public "	171.5	food preservation		641.4
Eudemus	Greek filosofers	185.3	heat	chemistry	542.48
Eudiometer	exper. chem.	542.76	meteorology		551.57
Eudiometry	quant. anal.	545.7	physics		536.44
Euganoids	zoology	597.4	pulmonary	physiol.	612.523
Eugenics	evolution	575.1	steam engineering		621.18413
	hygiene	613.94	vacuum	chemistry	542.77
Eugubine tables	Umbrian		Evening		
	language	477.4	opening	lib. econ.	024.33
Eulerian integrals	calculus	517.32	prayer	Anglic. ritual	264.034
Eulogies	biograpy	920		fam. devotions	249
	sermons	252.9		personal "	248
Euphonium	wind instr.	788.44	schools	pub. education	379.19
Euphorbiaceæ	botany	583.951		self "	374.8
Euphuism	rhetoric	808	work	lib. econ.	023.631
¹ Eure, France	history	944.24	Everaert, Cornelis	Dut. lit.	839.3124
¹ et Loir, Fr.	"	944.51	Everett, Edward	Am. orat.	815.31
Euripides	Greek drama	882.3		shorthand	653.72
Europe	antiquities	913.4	Evergreens	coniferæ	585.2
	botany	581.94		horticulture	715
	eccles. hist.	274	Everlasting punishment		237.7
	geology	554	Evidence	circumstantial	347.94
¹	history	940		law	347.94
	religious hist.	274		logic	163
	statistics	314	Evidences, Bible		220.1
	travels	914		of Christianity	239
European bison		636.2923	Evil eye		133.4
	black currant	634.7231		natural theology	216
	chestnut	634.531		origin of	216
	gooseberry	634.726		pessimism	149.6
	plan table syst.	642.53			

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Evil sin	233	Exchanges	
spirits	235	architecture	725.25
theodicy	231.8	library law	021.85
Evolution		methods	025.226
algebra	512.7	telephone central	621.3854
apologetics	239.8	private	621.3858
arithmetic	511.7	Exchequer	
biology	575	Great Britain	adminis. 354.422
effect of nervous system	612.8013	finance	336.42
ethics	171.7	United States	adminis. 353.2
natural theology	213	finance	336.73
religion and science	215	Excise laws	336.27
theory of state	320.153	offices architecture	725.14
Ewes dairy	637.173	public funds	336.27
Ex libris	097	Excitability	
Exact reference lit. meth.	029.1	cerebral physiol.	612.8251
Examination		of cord	612.832
civil servis	351.3	Excitants therapeutics	615.785
Examination		Exclusion	
for academic degrees	378.244	from suffrage pol. sci.	324.17
of credentials suffrage	324.423	Excommunication eccl. pol.	262.9
teachers education	371.13	Excrementa sewerage	628.2
papers Eng. philol.	428.9	Excrements physiology	612.361
post mortem pathology	616.079	Excreta, disinfection	614.48
school education	371.27	Excretion	
Examinations		biliary physiol.	612.3577
competitiv civil servis	351.3	physiologic zoology	591.14
schools	371.27	physiology	612.4
Examining boards, med.	614.24	Excretions, respiratory	612.26
Exanthemata contag. dis.	614.52	Excretory organs	
Excavating machinery	621.86	comparativ anatomy	591.44
Excavation		descriptiv	591.74
foundations architec.	721.12	Excuses, readers' lib. econ.	024.73
engin'g	624.152	Execution criminal law	343.2
mining	622.21	Executiv	
Excavations antiquities	913	advice to legis. bodies	328.372
Excellence		department const. law	342
standards zootechny	636.08114	lib. admin.	025.1
Excess of food hygiene	613.25	offiser library gov't	023.4
Exchange		titles	023.71
bills of law	347.7	powers of legis. bodies	328.252
money	332.5	session " "	328.357
department lib. econ.	025.266	Executors law	347.6
international money	332.45	Exegesis Bible	220.6
of duplicates lib. admin.	025.266	Exemplaria typographica	090
prisoners Amer. revol.	973.373	Exemption from mil. servis	355.22
Great war	940.473	taxation	336.29
U.S.civ.war.	973.773	Exercise	
professors	378.12	children's dom. econ.	649.5
specimens biology	579.614	curativ therapeutics	615.82
stock	332.6	diaforetics "	615.743
tables business	658	for library workers	023.54
territorial pol. sci.	320.1267	hygiene	613.7
		physiology of	612.7661

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Exhalation		
cutaneous physiology	612.793	
of vapor zoology	591.129	
water vapor physiol.	612.25	
Exhaustion		
effects of diseases	616.986	
of soil	631.45	
Exhaust pipe locom. boiler	621.1335	
steam, utilization	621.1858	
Exhibition-cases, library	022.931	
halls architect.	725.91	
room lib. bldg	022.657	
Exhibitions, bidding	690.6	
international	606	
of art	708	
industry	606	
school	371.29	
special see subj.		
Exhortations pub. worsh.	264.6	
Exile punishments	343.2	
social ethics	177.8	
Exmoor pony	636.1624	
sheep	636.3263	
Exodus Bible	222.12	
Exofficio		
members of legis. bodies	328.332	
Exoffisers		
exofficio in legis. bodies	328.3323	
Exogamy customs	392.5	
Exorcism	133.4	
Exotics horticulture	716	
Expanding bullets	623.45535	
Expansion		
heat physics	536.41	
joints steam eng.	621.1857	
system, direct refrig.	621.5652	
territorial pol. scl.	320.126	
Expatriation	341.5	
Expectorants therapeu.	615.721	
Expedition, see specific name		
Expeditions, scientific	508.3	
Expellent forces obstet.	618.51	
Expenditure, pub. finance	336	
Expenses		
allowance to teachers	371.163	
butter business	637.217	
cheese business	637.317	
dairy	637.117	
domestic economy	647.1	
farm	631.17	
library finance	025.116	
Expenses		
living teachers salaries	371.164	
of college students	378.368	
traveling, of legis'lators	328.333	
zootechny	636.0817	
Experience		
Experiment stations, agric.	630.72	
Experimental chemistry	542	
psychology	612.821	
Experiments		
chemic	542	
fertilizer	631.88	
food zootechny	636.0853	
physics	530.7	
soil agriculture	631.42	
Expert, library	023.4	
Exploding devices mil. eng.	623.454	
Exploitation mining	622.3	
Exploration hygiene	613.69	
mining	622.1	
Explorations	910	
history of	910.9	
scientific	508.3	
Explorers biography	923.9	
Explosions		
history of	614.83	
of ammunition	623.483	
fire damp min. eng.	622.81	
protection of life	614.83	
Explosiv bullets	623.45535	
Explosivs		
agriculture	631.513	
chemic technology	662	
factory storage	621.7964	
manufacture hygiene	613.66	
protec. of life	614.831	
military engineering	623.452	
mining dangers	622.85	
Exponential formulae trig.	514.3	
Export duties U. S. tariff	336.26	
Exportation commerce	382	
Exports	382	
free trade	337	
Expositions useful arts	606	
special see subject		
Expository sermons	252.8	
Exposure		
of children customs	392.2	
ded "	393.4	
to cold protection of life	614.87	
Expressidents		
in legislativ bodies	328.3322	
Express companies sociol.	385	
useful arts	656	

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- Expression**
 facial art anatomy 743
 physiognomy 138
 musical 780.1
 practical chemistry 542.68
Expropriation realty 347.2
Expulsion
 legislative bodies 328.344
 school disciplin 371.56
Extatics mental derange. 132.5
Extemporaneous speaking 808.5
Extempore prayer 264.1
Extension
 courses dom. econ. 640.714
 education 374.6
 relation to lib. 021.44
 of libraries 021.6
 university 378.13
 work agriculture 630.717
Extensometer 620.112
Extensor
 carpi radialis breviar 611.73763
 longus 611.73762
 ulnaris 611.73764
 digitorum longus 611.73842
 hallucis " 611.73843
 of index finger 611.73769
Extensors of fingers 611.73765
 forearm 611.7376
 thumb 611.73768
External
 agencies therapeutics 615.77
 ear anatomy 611.858
 diseases of 617.81
 physiology 612.851
 motoroculi nerv. *see* Sixth nerv
 plastering and stucco 693.61
 walls, incrusted architec. 729.61
 windows arch. const. 721.84
Extinct animals paleon. 560
 plants paleon. 561
Extinction
 of fire protec. of life 614.843
 species 575.6
 painless, of animal life 614.971
Extra
 books for readers lib. 024.71
 fingers or toes surgery 617.36
 pay legislativ patronage 328.3626
 wage scales 331.225
 session legislativ bodies 328.358
 time for readers lib. 024.72
Extraction mining 622.6
 of teeth 617.66
Extractors laundry mach. 648.3
 stump agriculture 631.3117
⁵**Extracts** Eng. literature 828
 chem. tech. 668.5
 on special subjects *see* subject
Extradition internat. law 341.4
Extraterritoriality 341.7
Extra-uterin pregnancy 618.31
Extravagance col. students 378.368
Extreme unction sacram. 265.7
Extremities, lower, anat. 611.98
 surgery 617.58
 upper, anat. 611.97
 surgery 617.57
Exudations physiology 612.381
Eye, *see* Eyes
Eyebrows anatomy 611.8476
Eyelashes " 611.8475
Eyelids " 611.847
 and motoroculi physiol. 612.81932
 eye diseases 617.77
Eye-piece telescope 522.23
Eyes
 anatomy 611.84
 artificial surgery 617.79
 asylums for blind 362.4
 care of hygiene 613.49
 school hygiene 371.72
 diagnosis pathology 616.073
 diseases of surgery 617.7
 hospitals 362.1
 architecture 725.51
 muscles anatomy 611.7325
 innervation of 612.81933
 optics 535.7
 physiology 612.84
 protection in factories 628.512
 psychology 152.1
Ezekiel Bible 224.4
Ezra " 222.7

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

*Fables Eng. literature	828	Failures, trade	332.7
Fabre d'Eglantine, P. F. N.	842.64	Fair Oaks, Va. battle	973.7327
Fabrics		Fairbairn wheels	621.223
balloon aeronautics	629.161	¹ Fairfield co. Ct. history	974.69
textil manufacture	677	" O. "	977.158
Façades architecture	729.1	Fairies	398.4
Face		Fairs agricultural	630.6
anatomy	611.92	amusements	791
bones anat.	611.716	commercial	381
lymfatic glands "	611.462	industrial	606
lymfatics "	611.4212	library support	021.96
surgery	617.52	social customs	394.6
Faces of type printing	655.24	*Fairy tales Eng. lit.	823
*Facetiae Eng. literature	827	folklore	398.4
Facial		mythology	291
angle craniology	573.7	Faith	
artery anatomy	611.13323	confessions of creeds	238
muscles, effect of nervs on	612.81971	pub. worship	264.5
nerv anatomy	611.8317	cure religion	265.8
nucleus "	611.8176	therapeutics	615.852
physiol.	612.8197	doctrinal theology	234.2
paralysis "	612.81978	logic of assent	163
veins anatomy	611.14517	Falconry amusements	799
Facsimile telegraf elec. eng.	621.3827	Faldella, G. Ital. fiction	853.85
Facsimiles Class with originals		Faliscus, Gratius Lat. poet	871.4
Factories		¹ Falkland islands history	997
architecture	725.4	travels	919.7
arrangement engin'g	621.7	Fall of ground mines	622.83
butter	637.231	man doctr. theol.	233.1
care of dom econ.	647.964	squash	635.622
carriage and car arch.	725.45	Fallacies logic	165
cheese	637.331	Fallen, parish care of	258
cooperativ pol. econ.	334.6	Fallières French history	944.08
furniture architecture	725.44	Falling bodies	
sanitation in	628.51	deviation astron.	525.37
useful arts	670	laws physics	531.52
Factors and brokers law	347.7	Fallopiian tubes anatomy	611.656
Factory		gynecol.	618.12
inspection polit. econ.	331.82	Fallowing agriculture	631.581
laws polit. econ.	338.9	False elements chemistry	546.99
management bus. meth.	658	returns elections	324.275
system labor and wages	331	Falsehood ethics	177.3
waste sanitary engin'g	628.54	Falsten, Enevold Dan. lit.	839.8254
Faculæ sun	523.74	Falster, Kristian " poet	839.8143
Faculty		Falx cerebelli anatomy	611.8195
intuitiv mental science	156	cerebri "	611.8195
libraries	023.73	Fame social ethics	177
schools	371.1	Family	
student aid	378.364	devotions prac. religion	249
universities and colleges	378.12	ethics	173
Fagging student life	371.82	form of state	321.1
Fahlbands econom. geol.	553.17	genealogies	929.2
Fahlcrantz, K. E. Swed. sat.	839.7763	histories	929.2
Faience ware pottery	738	hotels architecture	728.2

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Family			Farmers		
law	347.6		general finance	336.19	
libraries	027.1		institutes	630.715	
meals dom. econ.	642.1		occupation hygiene	613.64	
medicin	616.02		wives clubs	640.714	
relations customs	392.3		Farming agriculture	630	
to state	323.45		profits pol. econ.	338.1	
worship	249		Farmsted	631	
Famin fever diseases	616.924		Farmyard manures	631.86	
hygiene	613.24		Faro amusements	795	
physiology	612.391		ethics	175.5	
Fanariots description	914.961		Faroe iland sheep	636.372	
Fanaticism religion	248		¹ islands history	949.1	
Fancy			⁴ Faroese language	439.6	
mental faculties	155.1		⁵ literature	839.6	
pigeons	636.5961		Farquhar, G: Eng. drama	822.48	
Fancywork	746		Farrer Catalan poetry	849.9134	
Fanning agriculture	631.3622		Farriery horse shoeing	682.1	
mills engineering	621.63		vet. medicin	619.1	
Fans blowing engines	621.63		¹ Farther India history	959	
mining engineering	622.44		Fascia dentata hippocampi	611.81314	
revolving	648.7		Fasciae anatomy	611.74	
toilet	391.7		diseases of	616.75	
ventilation	697.9		Fascination animals	591.57	
winnowing	631.3621		Fashion customs	390	
Fantails pigeons	636.59621		magazines	646.05	
Fantasia music	786.42		Fashionable educ. of women	376.4	
Fantom circuits tel. lines	621.38295		Fashions costume	391	
Fantoms occultism	133.3		dom. econ.	646.01	
Faraday tubes prac. ch.	542.79		Fast-day cookery	641.566	
Faradization elec. medicin	615.84		sermons	252.6	
Farces amusements	792		Fastening tools mech. eng.	621.97	
⁵ Eng. drama	822		Fastenings arch. constr.	721.88	
Farewell sermons	252.9		mech. eng.	621.88	
Farina, S. Ital. fiction	853.86		Fasti, Roman	529.3	
Farina milk products	637.144		Fasting asceticism	248	
Farinaceous foods			hygiene	613.24	
domestic economy	641.13		temperance	178.9	
Farm	631		Fasts Anglican church	264.031	
houses agriculture	631.21		Fat disease	616.39	
architecture	728.67		in food and tissues phys.	612.3977	
laying out	631.12		lactic secretions "	612.66433	
machinery agric.	631.3		milk composition	637.1271	
produce economics	338.1		production physiol.	612.3522	
purchase	631.112		Fata Morgana mirage	535.3	
selection	631.11		Fatalism natural theol.	214	
sewage san. engin'g	628.37		Fathers duties	173.5	
types	631.14		of the church hist.	270.1	
Farmacy			lives	922.1	
economic botany	531.63		works	281.1	
practical materia med.	615.4		Fatigue		
Farmer as owner	631.1151		muscular physiol.	612.74421	
renter	631.113		nerv physiologic morfol.	612.82253	

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Fatigue				Features of surface	moon	523.34
nerv-muscle	physiol.	612.8166			sun	523.74
of cells	"	612.01432		Febler	Catalan poetry	849.9112
school hygiene		371.71		Fecal secretion	phys. zool.	591.149
strength of materials		620.1123		Feces	physiology	612.361
Fats				Fecundation		
absorption				botany		581.166
by skin	physiol.	612.7912		embryology		611.0132
in intestin	"	612.32273		physiologic zoology		591.166
stomach	"	612.32273		physiology		612.613
adulterations		614.313		Fecundity	physiology	612.663
animal chem. technol.		665.2		Federal gov't	polit. sci.	321.8
chemistry of food		641.14		party	Am. politics	329.1
digestion				state	pol. sci.	321.021
in intestin	physiol.	612.3323		Federalism	polit. science	321.8
stomach	"	612.3223		Federalists	U. S. history	973.4
in milk	"	612.66413		Federation, imperial	Brit.	354.4201
nutrition		612.397			pol. sci.	321.021
organic chemistry		547		Feeble-minded		
physiology		612.397		asylums for		362.3
protectiv exter. agents		615.776			architecture	725.53
tryptic digestion		612.3423		childstudy		136.762
vegetable chem. tech.		665.3		education of		371.92
Fattaild sheep				mental derangements		132.2
African		636.386		Feed mills	architecture	725.47
Asiatic		636.385		Feeder		
Italian		636.35		electric traction		621.33217
Southeast Europe		636.373		panels	elec. eng.	621.31724
Fattening animals	zotech.	636.08455		Feeding		
Fatty substances in blood		612.123		boiler	steam eng.	621.1942
Fauces anatomy		611.32		of animals	animal hyg.	614.95
diseases of		616.31			zotechny	636.084
Faucial tonsils	anatomy	611.323			school children	371.716
Faults	structural geol.	551.87		Feedwater appliances		621.1972
theory of	min. eng.	622.16		boiler		621.1943
Fauna	zoology	591.9		'Feejee islands	history	996.1
Faure accumulators	eng.	621.3553		Feelings	emotions	157
Faust legend	legends	398.2		Fees		
Faverolles	poultry	636.545		bilding		692.8
Favorits, royal	biog.	923.9		gratuities		331.238
Favors	school rewards	371.53		legislative employees		328.3626
¹Fayette co. Ill.	history	977.3797		membership	library	021.97
	travels	917.73797		nonresident	tuition	379.13
¹	Ind. history	977.262		professional		331.27
¹	Ia.	977.735		readers	lib. econ.	024.2
¹	O.	977.181		teachers		371.162
¹	Pa.	974.884		tuition	education	371.22
¹	W.Va.	975.471		Feet, artificial	surgery	617.58
Fear	physiol. psychol.	612.82133		care	hygiene	613.49
	psychology	157			zotechny	636.0834
Feasts	Anglican church	264.031		costumes		391.4
	Rom. cath.	264.021		²English prosody		426.3
	social customs	394.1		human anatomy		611.986
Feathers, see	Fethers			weights and mesures		389

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Feijóoy Montenegro, B. J.
 Spanish misc. 868.41
 Feitama, Sybrand Dut. lit. 839.3144
 Feith, Rhijnvis Dut. fic. 839.3343
 Felata ethnology 572.9662
 Sudan travel 916.62
 Feldspar econ. geol. 553.69
 mineralogy 549.61
Fellenberg's system educa. 371.42
 Fellowship, church 265.2
 Fellowships colleges 378.33
 Felons criminal law 343
 Felsites lithology 552.27
 Felt roofing 695.7
Female
 colleges education 376.8
 education 376
 customs 396.4
 employments 396.5
 functions of generation 612.62
 labor polit. economy 331.4
 seminaries 376.9
 servants dom. economy 647.23
 sex duties 173
 suffrage 324.3
Females
 adult zootechny 636.08232
 young " 636.08238
Feminization of teach. force 371.18
Femoral
 adductors anatomy 611.73824
 artery " 611.13783
 biceps " 611.73827
 glands " 611.4682
 nerv " 611.8355
 quadriceps " 611.73822
 veins " 611.1473
Femotibial ligament anat. 611.72831
Femur anat. 611.7184
Fences
 agriculture 631.27
 law 347.2
 railway equipment 625.18
Fencing amusements 796
 school hygiene 371.734
Fenian invasion of Canada
 Canadian history 971.048
 U. S. history 973.81
Fenianism Irish history 941.5
 polit. assoc. 363
Fenix folklore 398.4
Fenollar, B. Catalan poet. 849.9132

Fenomena
 in labor obstetrics 618.43
 nutritiv physiology 612.39
 vital biology 577
Fens physical geol. 551.49
 public helth 614.772
Ferdinand 1 German hist. 943.032
 2 " " 943.042
 3 " " 943.043
 6 Span. " 946.056
 7 " " 946.07
 and Isabella 946.03
¹Ferghana, Turkestan " 958.7
Ferguson, E.. Am. poetry 811.16
¹Fermanagh, Ireland hist. 941.68
Fermentation
 chemic technology 663.1
 effect of barometric press. 612.276
 lactic physiology 612.66417
 yeast, etc. 589.9
Fermented
 beverages adulterations 614.341
 chem. tech. 663.1
 temperance 178
 milk dairy 637.146
Ferments
 aids to digestion 615.7342
 fibrogenous physiology 612.11512
 in blood " 612.128
 liver " 612.35111
 materia medica 615.35
 milkcurdling physiol. 612.3216
 physiologic chemistry 612.0151
 soil 631.46
Fermeries horticulture 716.5
Ferns botany 587.3
 paleontology 561.73
¹Ferrara Italy history 945.4
Ferrari, P. Ital. drama 852.75
Ferrets zoology 599.7
 zootechny 636.081113
Ferries state control 351.814
 transportation 656
Ferrotypes photography 772
Ferry boats shipbilding 623.8234
 bridges docks 627.3
Fertility fecundity 612.663
 soil 631.45
Fertilization botany 581.16
 zoology 591.166
Fertilizer distributors 631.333
 experiments 631.88

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Fertilizers

agriculture	631.8
chemic technology	668.6
commercial air pollution	614.748
manufacture	668.6
from sewage	628.49
Fertilizing principles, loss of	631.814
Ferules, boiler steam eng.	621.18453
Fesant poultry	636.594
Fessenden, T:G. Am.satire	817.22
Festiv piano music	786.46
Festivals amusements	791
Anglican ch.	264.031
cathedral music	783.28
labor holidays	331.817
of song music	784.5

Fetal

appendages embryol.	611.0138
pathol. of	618.34
hepatic veins anatomy	611.1497
portal vein "	611.143
Fetherfooted fowls	636.572
Fethers birds	598.2
compar. anat.	611.787
zoology	591.49
dom. materials	646.17
zootechny	636.084

Fetishism

Feticus salad plants	635.57
----------------------	--------

Fetus

abnormalities of	618.53
deth and retention of	618.33
obstacles to expulsion of	618.52
physiologic zoology	591.3
physiology of	612.647

Fetuses

coalescence of deform.	617.35
------------------------	--------

Feudal institutions

law	321.3
tenure law	347.2

Feudalism, age of Eur. hist.

political science	321.3
-------------------	-------

Feuillet, Octave Fr. fict.

	843.83
--	--------

Fever

animal heat	612.556
lung diseases	616.241
typhoid public helth	614.511
Fevers, eruptiv diseases	616.911
gen. works on path.	616.92

Fezant poultry

	636.594
--	---------

¹Fezzan, Africa history

sheep	636.386
-------	---------

Fiber crops gathering

	631.5565
--	----------

Fibers

agriculture	633.5
connectiv histology	611.01822
nerv physiology	612.81
textil dom. economy	646.1
Fibrillae physiol. of sight	612.84371
Fibrin physiol. of blood	612.1151
nutrition	612.398133
Fibrinogen physiology	612.11512
Fibrinogens nutrition	612.398132
Fibrinoplastic	
ferments physiol.	612.11512
substances nutrition	612.398132
Fibrinoplastin physiology	612.1151
Fibrous	
coats of eye anatomy	611.841
materials agriculture	633.5
manufacture	677
tissue histology	611.01828
Fibula anatomy	611.7186
Fichte German philos.	193.3
idealism	141
Ficoidales botany	583.47
Ficoideæ "	583.475
Fiction	
American literature	813
buying library econ.	025.216
English literature	823
Great war	940.493
reading of	028.4
U. S. hist. civil war	973.793
revolution	973.393
war of 1812	973.5293
writing	808.3
Fictitious	
characters, dictionary of	803
imprints	014
names pseudonyms	014
titles of books	098
Fidelity ethics	177.3
Fief political science	321.3
Field	
artillery mil. eng.	623.412
books engineering	620.8
cores elec. "	621.316
crops	633
fortifications mil. eng.	623.1
guns firing	623.551
hoe	631.3151
mounts ordnance	623.431
of vision physiology	612.8436
operations geodesy	526.25
geology	550.7

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Field		
sports	796	
work, triangulation geod.	526.3	
Fielding, H: Eng. fiction	823.52	
¹ Fife, Scotland history	941.33	
Fife musical instruments	788.5	
Fifth nerv anatomy	611.8315	
physiology	612.8195	
Fighting, animal	175.6	
prize	175.6	
vessels shipbuilding	623.825	
Figs agriculture	634.37	
botany	583.962	
Figure		
human, in art art anat.	743	
of earth astronomy	525.14	
geodesy	526.1	
windows arch. decor.	729.84	
Figureheds carving	736	
Figures		
correlation of geometry	513.57	
of heavenly bodies astron.	521.14	
prosody Eng. lang.	426.4	
Gk "	486.4	
Lat. "	476.4	
other lang.		
rhetoric	808	
¹ Fiji ilands history	996.1	
travel	919.61	
Filament lamps elec. light.	621.326	
Filangeri, G. Ital. essays	854.66	
Filbert	634.54	
Files		
letter lib. administrat.	025.156	
literary methods	029.3	
mechanical engin'g	621.924	
newspaper lib. econ.	022.935	
offis equipment	651	
vertical library econ.	022.916	
Filial duty ethics	173.6	
Filibuster		
exped. to Cuba U.S.hist.	973.64	
Walker's " "	973.66	
Mex. "	972.06	
Filibustering piracy	910.4	
Filibusters criminal law	343	
Cuban history	972.91	
Filicaja, V. da Ital. poetry	851.54	
Filicinsæ botany	587.3	
Filing machines mech.eng.	621.924	
Filioque controv. theology	231.3	
Filipinos ethnology	572.9914	
Fillets anatomy	611.8167	
Filling		
teeth dentistry	617.67	
fibers for agriculture	633.59	
Fillmore, M. presidency of	973.64	
Fills railway engin'g	625.12	
Filter basins waterworks	628.16	
presses sewage	628.343	
Filters, feedwater engin'g	621.1972	
Filth diseases pathology	616.93	
pub. helth	614.51	
Filtration		
areas sewage	628.368	
hygiene	613.35	
industrial sanitation	628.545	
practical chemistry	542.67	
sewage	628.35	
water supply	628.16	
Fimbria anatomy	611.81314	
Final causes metaphysics	124	
clauses Gk syntax	485.4	
Finale orchest. music	785.1	
Finance		
private political econ.	332	
public " "	336	
Finances butter business	637.216	
cheese " "	637.316	
dairy	637.116	
dom. economy	647.1	
farm " "	631.16	
lib. " "	025.11	
local gov't	352.1	
zootechny	636.0816	
Financial		
administration civ. serv.	351.71	
lib. gov't	023.36	
bills legislation	328.376	
crises pol. economy	332	
institutions " "	332	
Financiers biography	923.3	
Finches birds	598.8	
Finding latitude	525.41	
at sea	527.1	
longitude	525.46	
at sea	527.2	
merid. line astron.	522.31	
time	529.7	
at sea	527.3	
¹ Findlay, O. history	977.1191	
Fine arts	700	
biography of	927	
Fines, capital and labor	331.1	
imposition lib. econ.	024.63	
remission " "	024.73	

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index.

Finger			Fireproof		
alfabet, def and dumb	371.912		buildings	bilding	693.8
joints	anatomy	611.7279	libraries		022.24
little, muscles of "		611.73776	public helth		614.841
prints	anthropology	573.6	depositories	architect.	725.24
rings	costumes	391.7	piers and colums		721.36
weeder		631.3154	Fireproofing	bilding	693.8
Fingers	anat.	611.977	Fires		
extensors of	"	611.73765	agricultural hindrances		632.18
extra	deformities	617.36	library lib. economy		022.26
Finials	roof decoration	721.56	local government		352.3
Finishing	painting	698.3	mines	mining eng.	622.82
shop	mfg plant	621.795	protection ag'st lib. econ.		022.25
Finistère, France	history	944.11	of life		614.84
Finite and infinit	metaph.	125	protectiv agriculture		632.115
differences	calculus	517.6	state regulations		351.782
Finland, Russia	history	947.1	Firetube boilers	engin'g	621.18425
travel		914.71	Fireworks		
Finnish language		494	chemic technology		662.1
literature		894	destructiv	mil. eng.	623.4543
Finno-Hungarian language		494	illuminating	" "	623.4544
Fiorentino, G. Ital. fiction		853.22	Firing	gunnery	623.55
Fire			boiler	steam. eng.	621.1941
alarm stations	archit.	725.19	mechanism	ordn.	623.4242
alarms	signals	654.7	First cause	metaphysics	122
arms	ordnance	623.4	cranial nerv	anatomy	611.8311
small	army equip.	355.82	physiology		612.8191
manufacture		683	editions	rarities	094
mil. engin'g		623.44	lessons in Eng. lang.		428.2
balls	meteors	523.52	Fischart, J; Ger. satire		837.42
boats	shipbilding	623.826	Fish		
chemistry		541.39	air pollution		614.741
clays	econom. geol.	553.61	as food	dom. economy	641.392
commission boats		623.826	hygiene		613.29
departments	administ.	352.3	commission		639
engins	mechan. eng.	621.68	boats		623.826
protec. of life		614.846	culture	business	639.3
escapes	" " "	614.847	ded	air pollution	614.763
exits	" " "	614.848	diseases of		619.9
extinction	automatic	614.844	farms		631.146
chemic		614.845	fertilizers		631.844
local gov't		352.3	fresh, inspection of		614.317
insurance		368.1	markets	dom. econ.	641.4
physics		536.46	preservation	chem. tech.	664.9
worshippers		295	preservd, inspection of		614.319
Firebox	locomotiv boiler	621.1332	trade	economics	338.3
Fireless cookers	dom. econ	643.338	Fisher, Ft, N. C.		
cookery	" "	641.588	capture	U.S. civ. war	973.7383
Firemen	fire dep'ts	352.3	expedition	" " "	973.7375
Firenzuola, A. Ital. fiction		853.34	naval hist.	" " "	973.754-5
Fireplaces			Fisheries		
artistic		749	business		639.2
domestic economy		644.15	ownership	polit. econ.	333.9
heating		697.1	production	" "	338.3
kitchen		643.331	treaty, 1888	U.S. hist.	973.85

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Fishermen's occupat. hyg.	613.64	Flats	architecture	728.2
Fishes	paleontology	567	housekeeping	647.92
	zoology	597	Flattery	ethics 177.3
Fishing	business	639.2	Flaubert, G.	Fr. fiction 843.84
	sports	799	Flavoring plants	field crops 633.82
Fishplates	railroad engin'g	625.15		garden " 635.7
Fishtail burners	chem.	542.44	Flax	agriculture 633.52
Fishways	fish culture	639.3		domestic economy 646.12
Fission	physiol. zoology	591.165		harvesting 631.5565
Fistula	surgery	617.23		harvesters 631.3565
Fistulas, intest.	physiol.	612.3311		manufacture 677
Fittings, library		022.9	Fleas	animal parasites 616.9681
	ship	623.85		economic zoology 591.69
¹ Fiume	history	943.94		insects 595.77
Five Forks, Va.	battle	973.7384		pests 632.77
Fixt			Fleets	naval engin'g 623.8
	ammunition	ordnance 623.453		science 359
		sm. arms 623.4553		cattle 636.2451
	furniture	arch. decor. 729.9		draft horse 636.1548
		location lib. economy 025.8		language 439.3
		oils and acids mat. med. 615.34	⁵	literature 839.3
		tooth harrow 631.3131	Flemish painting	759.9
Fixtures	law	347.2		sheep 636.3317
	library	022.9	Flemming, P.	Ger. poetry 831.52
	lighting	dom. econ. 644.32	Fletcher, G. & P.	Eng. poet. 821.37
		lib. bldgs 022.76	J:	" dram. 822.35
Flaccus, C.V.	Lat. poetry	873.3	Fleur de lis	heraldry 929.6
Flag day	schools	371.365	Flexible	
	etiquet	929.9		bridges engineering 624.52
Flagellants	monas. order	271.79		shafting 621.8235
Flagellariæ	botany	584.41	Flexor	
Flagellata	zoology	593.16		accessorius anatomy 611.7389
Flagellation	relig. ascet.	248		carpi ulnaris " 611.73753
Flageolet	musical instr.	788.5		digiti quinti brevis anat. 611.7389
Flags	college	378.28		digitorum longus " 611.73858
	Great war	940.463		profund. " 611.73755
	heraldry	929.9		sublimis " 611.73754
	U. S. civ. war	973.763		hallucis brevis " 611.7389
Flails		631.3611		longus " 611.73859
Flamande cattle		636.2451		pollicis " 611.73756
Flamboyant architecture		723.54	Flexors of forearm	" 611.7375
Flamenca	Provençal poet.	849.123		thum, short " 611.73773
Flames	physics	536.46	Flexure	
	prac. chem.	542.5		engineering tests 620.11244
Flaming arcs	elec. light	621.3256		sigmoid anatomy 611.349
¹ Flanders	history	949.3		transit instrum. astron. 522.38
	travel	914.93	Flies	insects 595.77
	dray horse	636.1548		pests agric. 632.77
Flanging machinery		621.984		zoology 591.65
Flash boilers	engin'g	621.18427		public helth 614.43
Flasks	prac. chem.	542.231		artificial fishing 799
Flat-bed irrigation sewage		628.363		horse econom. zoology 591.69
Flatboats	boatbuilding	623.829		house domestic econ. 648.7
Flathedded borers	pests	632.76		

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Flight comp. physiol.	612.768	Florida	
of birds migration	591.52	state secession	973.713
¹ Flint, Wales history	942.93	For military history of state,	
Flint chips early stone age	571.15	see subdivisions of Special	
implements late " "	571.24	campaigns and Military history	
wepons war customs	399	under 973.52, 973.7 and	
Floater steam engin'g	621.18472	973.89	
Floating		war 1835-42 U. S. hist.	973.571
batteries naval eng.	623.9	Floridæ botany	589.41
bodies physics	532.3	Flotation shipblding	623.81
bridges engineering	624.87	Flour manufacture	679
det finance	336.32	mills architecture	725.47
docks shipblding	623.83	Flow	
schools	371.392	in sewers	628.222
wheels water motors	621.235	of blood physiol.	612.15
Flock		liquids physics	532.51
books zootechny	636.0822	streams meteorology	551.57
character of "	636.0821	Flower garden, landsc. gard.	716
composition of "	636.0823	Flowering	
Flogging in navy	359	currant agriculture	634.724
punishments	343.2	plant growth "	631.5474
school punishments	371.55	plants botany	582
Flood gates hyd. mach.	621.29	Flowerless plants	586
Flooding of mines	622.84	Flowers	
Floods agriculture	632.17	agriculture	635.9
meteorology	551.57	botany	580
protection against	627.4	landscape gardening	716.2
Floor coverings dom. econ.	645.1	language of	716.2
lib. "	022.96	national	929.6
systems bridgeblding	624.25	painting	758
Floors and flooring		seasoning	635.71
architecture	721.6	¹ Floyd co. Ind. history	977.219
blding joinery	694.6	¹ Ia. "	977.726
library stacks	022.435	Flues sewer ventilation	628.233
mosaic arch. decoration	729.73	smoke heating	697.8
school bldings	371.633	Fluid vein hydraulics	532.52
Flora, geografic	581.9	Fluids physics	532
Floral perfume plants	633.811	preservativ biol.	579.2
Flore and Blanchefflor	398.2	refrigerating	621.564
¹ Florence, Italy history	945.5	Flukes parasitic diseases	616.963
¹ co. Wis. history	977.532	Flumes water power	621.29
Florentine pigeons	636.59628	Fluor mineralogy	549.4
receivers chemistry	542.66	Fluorescence light	535.3
Florian, J. P. C. de Fr. fic.	843.58	Fluorin inorganic chem.	546.16
Floriculture	635.9	mineralogy	549.4
landscape gardening	716.2	Flushing shafts sewers	628.254
Florida		Flute musical instrum.	788.5
ship U. S. civil war	973.757	grafting agriculture	631.5415
state admission	973.58	Flutina music	786.9
discovery	973.16	Fluting irons dom. econ.	648.43
expedition	973.7364	Fluxes metallurgy	669.8
French settlem't	973.18	Fluxions calculus	517
¹ history	975.9	Fly, <i>see</i> Flies	
purchase	73.54	Flycatcher birds	598.8

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- Flying**
 animal locomotion 591.47
 fish zoology 597.5
 grounds aeronautics 629.144
 machines " 533.6
 engineering 629.13
Focimeter lenses 535.81
Fodder, dry zootechny 636.08554
 fresh " 636.08551
Poetal, foetus, see Fetal, fetus
Fog hygiene 613.14
 meteorology 551.57
 signals applied acous. 534.83
 commerce 654.9
Fogazzaro, A. Ital. poetry 851.85
Föhn meteorology 551.51
'Foix, France history 944.88
Fokke, A. S. Dutch hum. 839.374
Folding
 bridges engin'g 624.82
Folds geology 551.87
Folengo, Teofilo Ital. satire 857.31
Foliage botany 581.4
Folklore 398.3
Folksong folklore 398.8
 music 784.4
Folkvisor Swed. poetry 839.7114
Follicles, see specific name
'Fond du Lac co. Wis. hist. 977.568
Fonetics elem. educ. 372.4
 filology 414
Fonosciring shorthand 653.2
Font sacred furniture 247.1
Fontana's spaces anatomy 611.8415
Fontanelles " 611.7141
Fontanes, Louis Fr. poet 841.62
Fontenelle, B. le B. de 844.51
'Foochow history 951.2
 travels 915.12
Food
 acquisition physiol. zool. 591.131
 adulterations pub. helth 614.31
 animal chem. tech. 664.9
 econ. zoology 591.63
 cand adulterations 614.318
 chemic analysis 543.1
 technology 664
 chemistry of dom. econ. 641.1
 children's " " 649.3
 constituents, inorganic 641.15
 organic 641.11
 cost zootechny 636.08171
 cures therapeutics 615.854
Food
 digestion and nutrition 612.3
 zoology 591.13
 domestic economy 641
 hygiene 613.2
 influence on respiration 612.224
 inspection adulterations 614.31
 of animals zoology 591.53
 zootechny 636.085
 dairy cows dairying 637.122
 laboring classes 331.83
 plants 581.13
 physiology 612.392
 preservation
 animal chem. tech. 664.9
 vegetable " " 664.8
 preservd adulterations 614.318
 stuffs dom. econ. 641.3
 pol. " 338.1
 values dom. " 641.1
 vegetable econ. botany 581.63
 zoology 591.53
Foods zootechny 636.086
 adulterations " 636.0859
 prepared " 636.0857
Fools customs 394.2
 lives 920.8
 mental derangem'ts 132.2
Foot
 arteries anatomy 611.13793
 ball amusements 797
 bridges engin'g 624.12
 * English prosody 426.3
 human anatomy 611.986
 lymphatics " 611.42186
 mesures 389
 muscles anatomy 611.7387
 prints, fossil paleontol. 566
 stools dom. econ. 645.41
 warmers " " 644.19
 wear clothing 646.46
Foote, S: Eng. drama 822.62
Footmen dom. servis 647.3
Forage crops foods 636.0862
 grasses 633.2
 legumes 633.3
Foramen interventriculare 611.8148
 of Monro 611.8148
Foramina of metepicele 611.8185
Foraminifera zoology 593.12
Force
 and energy statics 531.2
 its mesure mechan. 531.21
 centrifugal and centripet. 531.35
 composition of mechan. 531.22

Force			Forestry	agriculture	634.9
electric, storage of eng.	621.35		landsc. gard.	715	
transmission "	621.319		Forests	meteorology	551.58
physics	537.84		ownership	333.7	
intermolecular physics	539.6		reclamation	631.614	
lines of magnetism	538.1		state control	351.823	
metaphysics	118		¹ Forfar, Scotland	history	941.31
of water river eng'ng	627.1		Forge bellows	533.87	
parallel mechanics	531.24		shop eng. works	621.73	
pump pneumatics	533.84		Forgemen's occupation	hyg.	613.64
transmission of millwork	621.8		Forgeries, <i>see</i> Frauds		
physics	531.8		Forgery	academic degrees	378.26
Forced alimentionation	hyg.	613.23	law	343	
draft steam eng.	621.18385		polit. economy	332.9	
feeding zootechny	636.08456		Forging	blacksmithing	682
Forceps	obstetrics	618.81	machinery, hyd.	621.266	
surg. instrum.	617.91		Forgiveness of sin	theology	234
weeding	631.3154		Forking	tillage	631.511
Forcing			Forks, digging	631.3114	
plant culture	631.544		hay	631.3535	
houses plant protection	631.3445		tuning acoustics	534.3	
Ford, J: Eng. drama	822.38		weeding	631.3154	
¹ Ford co. Ill. history	977.362		Form		
Forearm	anat.	611.974	books law	347.93	
arteries	"	611.1343	influence on respiration	612.2291	
lymfatics	"	611.4217	musical	781.5	
muscles	"	611.73734	of embryo embryology	611.0137	
Forebrain	"	611.813	legislature pol. sci.	328.39	
Foreclosure law	347.2		state " "	321	
Foreign, <i>see</i> Foren			ontology	111	
Foreknowledge of God			Formaldehyde	chemistry	547.5
doct. theol.	231.4		disinfect.	614.484	
Foren			Format	printing	655.53
banks polit. econ.	332.15		Formatio reticularis	anat.	611.8226
bodies diseases	616.981		Formation		
surgery	617.146		of character	374	
² elements Eng. language	422.4		crystals crystallog.	548.5	
enlistment ml. sci.	355.22		stock zootechny	636.082	
help dom. econ.	647.24		¹ Formosa history	951.2	
labor polit. econ.	331.6		Forms		
law	349		elementary arch. design	729.3	
missions	266		library printing	025.121	
relations internat. law	341		of suffrage	324.2	
polit. science	327		strength of materials	620.1128	
states administration	354		Formulae		
trade commerce	382		exponential trigonom.	514.3	
wars of U. S. mil. order	369.115		L. M. Z. geodesy	526.46	
Forensic chemistry law	340.6		recipes, <i>see</i> special subj.		
medicin "	340.6		theoretic chemistry	541.9	
Foreordination salvation	234.9		Formularies	materia med.	615.13
Foresight guns	623.4252		Fornication	crim. law	343
Forest cattle	636.221		Fornix anatomy	611.8139	
¹ co. Pa. history	974.868		¹ Fort Dearborn massacre	977.31	
¹ Wis. "	977.531		¹ Dodge, Ia. history	977.7511	
trees botany	582		¹ Wayne, Ind. "	977.274	

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Portequerri, N. Ital. satire	857.58	Fox, C. J. Eng. oratory	825.63
Fortifications mil. eng.	623.1	Foxes zoology	599.7
Fortress		Foxhunting amusements	799
artillery " "	623.416	Fractional currency, money	332.41
guns gunnery	623.553	Fractions algebra	512.4
mounts ordnance	623.433	arithmetic	511.4
Fortr, special mil. eng.	623.19	Fractures surgery	617.15
systems of " "	623.13	Frames artistic furniture	749
Fortune-telling	133	Framing carpentry	694.2
Foscolo, U. Ital. poetry	851.66	shipbuilding	623.84
Fossil resins econ. geol.	553.29	France	
Fossils	560	administration	354.44
geografic distribution	560.9	antiquities	913.44
man	569.9	architecture	720.944
antiqui. of man	573.3	botany	581.944
Fotoplays		colleges	378.44
amusements	792	constitutional law	342.44
censorship ethics	175.2	education	370.944
fotografy	778	finance	336.44
scenario writing	808.2	geology	554.4
Fototelegrafy		heraldry	929.6
signals	654.9	¹ history	944
telegrafy	621.3827	language	440
Foucault's pendulum	525.36	laws	349.44
Foulahs ethnology	572.9662	literature	840
Sudan, trav.	916.62	local government	352.044
Foundation		maps	912.44
bed bridge engineering	624.151	peerages	929.741
roadmaking	625.73	religious history	274.4
Foundations		schools, public	379.44
architec. construction	721.1	statistics	314.4
boiler steam engin'g	621.18457	titles of honor	929.74
bridge engin'g	624.15	travel	914.4
electric lines	621.319223	treaties	341.244
Founders and patriots of		troubles with U. S.	
America, order of	369.125	Fr. hist.	944.046
Founding of libraries	021.6	U. S. "	973.45
type printing	655.21	zoology	591.944
Foundling asylums arch.	725.58	other topics see table 1	
sociology	362.7	¹ Franche Comté, Fr. hist.	944.45
Foundries architecture	725.43	Franchise, elec. pol. sci.	324
engin'g works	621.74	Francis 1 Fr. history	944.028
metal manufac.	671	" " "	944.029
¹ Fountain co. Ind. history	977.247	Francis 1 Ger. history	943.055
Fountains landsc. gard.	714	" " "	943.06
Fouqué, La Motte Ger. fic.	833.65	Franciscan monks	271.3
Four-wire electric systems	621.3191324	sisterhood	271.973
Fourierism communism	335.3	Franco-German war	
Fourth dimension geom.	513.8	French hist.	944.08
nerv anatomy	611.8314	German "	943.082
physiol.	612.8194	Franconia	
of July schools	371.365	house of German hist.	943.023
U. S. hist.	973.361	¹ Lower " "	943.33
Fowling sport	799	" trav.	914.333
Fowls domestic animals	636.5		

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Franconia			
¹ Middle	German hist.	943.32	
	" trav.	914.332	
¹ Upper	" hist.	943.31	
	" trav.	914.331	
Franconian sheep			
	swine	636.3333	
Frankeniaceæ botany			
Frankenschaf 636.3333			
¹ Frankfort history 943.58			
	travels	914.33	
Franking privilege			
	legislativ prerogativs	328.237	
	library aid	021.862	
	post offis	383	
Frankish emperors It. hist. 945.02			
Franklin, Tenn. battle			
	U.S.civ.war	973.7379	
¹	co. Ill. history	977.394	
	travels	917.7394	
¹	Ind. history	977.215	
¹	Ia. "	977.728	
¹	Me. "	974.17	
¹	Mass. "	974.42	
¹	Mo. "	977.863	
¹	N. Y. "	974.755	
¹	O. "	977.156	
¹ Franklin, co. Pa.	history	974.844	
¹	Vt. "	974.31	
¹	ter. Can. "	971.29	
Franks " 943.01			
Franzén, F.M. Swed. poetry 839.7158			
Fraud electoral suffrage 324.27			
	law	347.5	
Frauds			
	art history	709	
	fertilizers	631.818	
	literary history	809	
Fraudulent			
	conveyances law	347.7	
	counting elections	324.275	
	elections U. S.	324.73	
	voting suffrage	324.272	
Fraunhofer's lines spectro. 535.84			
Freckles dermatology 616.55			
Frederick new Ger. empire 943.084			
¹	Ger. history	943.024	
²	" "	943.025	
³	" "	943.028	
¹ Frederick city, Md.	hist.	975.288	
¹	co. Md. "	975.287	
Fredericksburg, Va.			
	U. S. civ. war	973.7339	

Free

agency doctrinal theol.	234.9
baptists sects	286.2
church of Scotland sects	285.6
cities Ger. government	354.4309
	Ital. history 945.04
coinage of silver	332.41
hand drawing	741
importation lib. aid	021.861
institutions	
love ethics	173.1
news and reading rooms	027.9
patage library aid	021.862
public libraries	027.4
public librarians	211
religion	279.1
school system education	371.6
soil party polit. party	329.0
	U. S. history 973.61
speech polit. science	323.443
thinkers biography	922.9
thought eccles. polity	262.8
	rationalism 211
trade and protection	337
use of libraries	024.28
will metaphysics	123
	psychology 159
	theology 234.9
Freebooters crim. law	343
Freedmen	
education of	371.974
in U. S. army U. S. hist.	973.7415
slavery	326.8
Freebmen's bureau	461
Freedom	
and emancipation	
	slavery 326.8
	U.S. hist. 973.714
metaphysics	123
of labor strikes	331.891
	theory 331.011
man doct. theol.	233.7
press censorship	323.445
	journalism 070.13
	public order 351.751
speech	323.443
teaching education	378.121
	pol. sci. 323.444
personal pol. sci.	323.44
political liberty	323.4
religious eccles. polity	262.8
	salvation 234.9
Freehold land societies	334.1
	law 347.2
Freeman's farm Am. rev.	973.3333

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Freemasonry	366.1
¹ Freeport, Ill. history	977.333
Freewill baptists	286.2
Freezing	
agricultural hindrances	632.11
artificial ice machines	621.58
food preservation	641.4
mixtures refrigeration	621.564
physics	536.43
process foundations	624.157
waterworks	628.15
Freight	
boats shipbuilding	623.824
cars railway engin'g	625.24
elevators lib. bldgs	022.9572
mech. eng.	621.87772
ferryboats shipbuilding	623.8234
houses, R. R. architect.	725.32
interstate commerce	385
locomotivs steam eng.	621.13262
transportation	656
Freiligrath, F. Ger. poetry	831.78
¹ Fremont in California	
U.S. war with Mex.	973.6232
¹ Fremont co. Ia. history	977.777
French	
allies U. S. hist.	973.324
and Indian war Can. hist.	971.018
U. S. "	973.26
Canadian cattle	636.2832
cattle	636.24
cheese, hard	637.3544
soft	637.3534
church, Gallican	282.44
coach horse	636.144
¹ Cochin China history	959.7
travels	915.97
¹ Congo history	967.2
cuckoo	636.547
discovery of America	973.18
draft horse	636.154
ducks	636.5974
encyclopedists apologet.	239.6
goats	636.394
goose	636.5984
¹ Guiana history	988
travels	918.8
horn wind instrum.	788.41
¹ Kongo history	967.2
⁴ language	440
⁵ literature	840
merinos	636.3674
old language	447.01
opera dramat. music	782.4

French	
painting	759.4
Perigord swine	636.445
philosofers biograpy	921.4
philosofy	194
polish chem. tech.	667.7
poultry	636.54
protestants, persecut. of	272.4
régime Can. hist.	971.01
republic, 1st history	944.042
2d "	944.07
3d "	944.08
revolution	944.04
Romanesque architect.	723.44
roofs arch. construc.	721.5
sculpture	735
sheep	636.34
spinach	635.43
spoliations U. S. hist.	973.45
swine	636.44
turnip	635.127
wars, early	973.25
Freneau, Philip Am. poet.	811.24
Frequency	
converters elec. eng.	621.31355
asynch. " "	621.31367
synchr. " "	621.31353
meters elec. "	621.3747
of hart beats physiol.	612.1722
sessions legislativ bodies	328.353
respiratory physiology	612.216
Fresco painting	
bilding	698.2
interior decoration	747
library bildings	022.344
painting	750
sacred ornaments	247.5
school bildings	371.636
Frese, Jacob Swed. poetry	839.7137
Fresh-air mission	361
Freshets meteorology	551.57
Fresnel lens lighthouses	627.9
¹ Fresno city, Cal. hist.	979.483
co. " "	979.482
Fretwork	747
Freytag, G. Ger. fiction	833.82
Frezzi, F. Ital. poetry	851.21
Friars monastic orders	271
Friction	
clutches mech. eng.	621.825
gearing " "	621.858
mechanical engineering	621.89
of gears mech. eng.	621.832
physics	531.4
Frictional electricity	537.2

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Friedreich's disease	616.83	Fruits	
¹ Friendly islands history	996.1	as food	dom. econ. 641.13
societies	334.7		hygiene 613.27
Friends, society of sects	289.6		physiology 612.39272
Friendship ethics	177.6	fresh, inspection of	614.316
Frisian cattle, Dutch	636.2351	preservation chem. tech.	664.8
East	636.2343	preservd, inspection of	614.318
Holstein	636.2342	zootechny	636.0874
sheep	636.3314	Frying cookery	641.77
¹ Friesland history	949.2	Fryxell, A. Swed. misc.	839.7863
travels	914.92	Fuel	
Friezes, carvd arch. decor.	729.56	artificial chem. tech.	662.8
painted " "	729.46	chemic technology	662.6
Frightfulness Great war	940.405	conveyors steam eng.	621.18378
Frigid zone agriculture	631.0911	domestic economy	644.2
clothing	646.091	metallurgy	669.8
cookery	641.591	ships shipblding	623.826
Frilbacks pigeons	636.59624	steam engineering	621.182
⁴ Frisian language	439.2	Fuels	
literature	839.2	intern. combust. engines	621.434
Frizzles poultry	636.5884	special, cookery with	641.58
Fröbel's system educat.	372.2	steam locomotivs	621.1331
Frobisher, M. discov. of Am.	973.17	Fugitiv	
Frogs culture	639.3	slave law U. S. hist.	973.64
zoology	597.8	" slavery	326.973
Frolic, ship U.S.war 1812	973.5251	slaves, causes " civ. war	973.7115
Fronde French hist.	944.033	Fugitivs from justis extrad.	341.4
Frontal bone anat.	611.7155	Fugue music	786.82
lobes of brain "	611.81311	Fulahs ethnology	572.9662
¹ Frontenac co. Ont. hist.	971.371	Sudan, trav.	916.62
Frontiers polit. science	320.128	Full development, period of	612.66
Fronto, M. C. Lat. letters	876.3	Fuller, Margaret Am. lit.	814.31
Frost action geology	551.91	Fulminating powders	662.4
bites skin disord.	616.58	¹ Fulton co. Ill. history	977.348
blight agriculture	632.11	travels	917.7348
meteorology	551.52	¹ Ind. history	977.287
Froude's tests shipblding	623.83	¹ N. Y. "	974.747
Fructification botany	581.16	¹ O. "	977.1115
Fructose nutrition	612.39613	¹ Pa. "	974.872
Frugoni, C. I. Ital. poetry	851.57	Fumes	
Fruit culture	634	agricultural hindrances	632.19
drinks adulterations	614.346	prevention in factories	628.511
dom. econ.	641.87	Fumigating apparatus	
hygiene	613.36	contag. diseases	614.481
farms	631.143	Fumigation agriculture	632.94
gatherers	631.3581	Functional	
gathering	631.5561	diseases of brain and cord	616.84
markets dom. econ.	641.4	women	618.17
trade economics	338.1	equations	517
walls agriculture	631.3454	Functions	
Fruitage plant culture	631.5475	Bessel's, etc. calculus	517.35
Fruits	634	calculus of	517.5
and seeds agriculture	634	nervous physiology	612.8
organografy	581.76		

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Functions					
of generation	female	612.62			
	male	612.61			
	motor apparatus	612.7			
	skin	612.79			
	symmetric algebra	512.84			
	trigonometric	514.1			
Fund, wage	polit. econ.	331.212			
Funding system	finance	336.31			
Funds					
	invested lib. finance	025.111			
	lib. subj. apportionment	025.211			
	public	336			
	student loans	378.362			
Funeral					
	directors	393.9			
	rites customs	393			
	religions ordin.	265.8			
	sermons	252.9			
Fungi					
	botany	589.2			
	pests agriculture	632.4			
	vegetables "	635.8			
Funicular engs, hydraulic		621.262			
	railways	625.32			
Funis, prolapsus	obstetrics	618.58			
Funnels	chem. appar.	542.231			
	decant'g " "	542.66			
Fur	dom. economy	646.16			
	trade pol. econ.	338.1			
Furetière, A. Fr.	satire	847.45			
Furlo, military		355.11			
Furnaceman	dom. econ.	647.25			
Furnaces					
	coal prac. chem.	542.42			
	electric " "	542.47			
	gas " "	542.44			
	house warming	697.3			
	metallurgy	669.8			
	mining ventilation	622.43			
	steam engineering	621.183			
	ventilation of sewers	628.236			
Furnishings, see	qualifying word				
Furniture					
	artistic	749			
	domestic economy	645			
	ecclesiastic	247			
	factories architecture	725.44			
	fixt arch. decoration	729.9			
	library economy	022.9			
	manufacture	684			
	offis equipment	651			
	school	371.631			
	ship equipment	623.86			
	Furrow sowers	631.3315			
	Furs clothing	646.16			
	Fuses, see	Fuzes			
	Fusion-point	physics 536.42			
		thermochem. 541.36			
Future					
	events probabilities	519.4			
	judgment doctr. theol.	236.9			
	life natural "	218			
	of libraries	021.03			
	punishment doctr. theol.	237.6			
Future					
	state doctrinal theol.	237			
Fuzes					
	electric stations	621.3178			
	explosivs	662.4			
	local electric lighting	621.3284			
	military engineering	623.4541			
Fylfot	ecclesiology	246.5			
	heraldry	929.6			

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

G. A. R.	associations	369.151	Gallia		
Gabbro	plutonic rocks	552.34	Cisalpina	ancient hist	937.2
Gabelsberger	shorthand	653.33	¹ co. O.	history	977.189
Gabionades	mil. eng.	623.24	Gallican church		282.44
Gables	arch. construc.	721.28	Gallium	chemistry	546.68
	design	729.37	Galloway cattle-		636.2232
	roofs	721.58	pony		636.1622
Gadhelic language		491.61	Gallows	criminal law	343.2
Gadolinium	chemistry	546.694	Galls	pests	632.2
Gadsden purchase	U.S. hist.	973.66	Galt, John	English fiction	823.77
Gaelic language		491.63	Galvanic batteries		
Gaetulia]	ancient history	939.77	engineering		621.354
Gage			manipulation		542.8
cocks	locomotiv boilers	621.1339	physics		537.86
glasses	steam eng.	621.18472	Galvanism		537.5
Gages, compressed air		621.532	Galvanized iron	manuf.	671
steam power plant		621.1977	Galvanometers		
Gaging	arithmetic	511.8	electric engineering		621.3744
mesures		389	electrophysiology		612.01442186
Galactin	milk composition	637.1272	physics		537.86
Galactometer	dairy	637.1276	Galvanoplasty		
Galactophorus ducts	anat.	611.693	electrometallurgy		537.85
Galactose	nutrition	612.39613	manufactures		671
Galatia	ancient history	939.32	Galvanotropism		
Galatians	Bible	227.4	electrophysiology		612.014427
Galegae	legume crops	633.375	¹ Galway, Ireland	history	941.74
Galena	econ. geology	553.44	Gambling		
	metallurgy	669.4	administration		351.762
Gales	meteorology	551.51	ethics		174.6
¹ Galicia, Austria	history	943.74	of amusements		175.9
¹ Spain	"	946.1	law		343
Galilei, G.	Ital. essays	854.52	Game	sport	799
Gall			bantams		636.58712
bladder	anatomy	611.366	fowls		636.5881
diseases of		616.36	laws hunting		799
physiology		612.35771	preservs	business	639.1
ducts, <i>see</i> Bile ducts			Games		
flies	agric. pests	632.79	amusements		790
formation	secretions	591.145	championship	sch. hyg.	371.75
Gallantry	ethics	177.1	children's	dom. econ.	649.55
¹ Gallatin co. Ill.	history	977.397	customs		394.3
Galleries			ethics		175
and libraries		021.48	Greek		913.38
art		708	hygiene		613.7
architecture		727.7	kindergarten		372.215
library bildings		022.656	of chance	amusements	795
library shelving		022.423	ethics		175.5
shooting	architecture	725.89	skill	amusements	794
Gallery			ethics		175.4
study tables	lib. bldgs	022.52	Olympic	Greek antiq.	913.38
Galley	outfit	shipbuilding	Roman		913.37
Galleys	criminal law	343.2	room for	lib. bldgs	022.663
	shipbuilding	623.8212	school		371.74
			table and parlor		793

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- Gaming, public state reg. 351.762
- Gamopetalæ** botany 583.5
- Gang plow 631.3122
- Ganglia**
- anatomy** 611.89
 - cerebral physiology** 612.826
 - comparativ** " 612.829
 - of hart** " 612.1783
 - sensory nervs** 612.8113
 - sympathetic system** 612.89
- Gangliated cord anatomy** 611.839
- Ganglions, see** Ganglia
- Gangrene** lung diseases 616.245
- surgery 617.25
- Ganoidei** fishes 597.4
- Gaols, see** Prisons
- Garages** lib. bildings 022.687
- private arch. 728.94
 - public " 725.38
- Garbage** sanitation 628.44
- Garcia** Catalan poetry 849.9137
- ¹Gard, France** history 944.83
- Garden bean** 635.652
- crass 635.563
 - crops** 635
 - zootechny 636.0875
 - currants 634.722
 - hoe 631.3151
 - parties dom. econ. 642.43
 - rakes 631.3156
 - spade, longhanded 631.3111
 - strawberry 634.751
 - tools, hand 631.315
- Gardeners** dom. econ. 647.3
- Gardening** elem. educ. 372.36
- flower agriculture 635.9
 - art 716.2
 - kitchen** 635
 - landscape** 710
 - market** 635
 - window 716.4
- Gardens**
- botanic 580.7
 - architecture 727.5
 - public 711
 - school 372.36
 - zoologic 590.7
 - architecture 727.5
- Gardianship** law 347.6
- Gards, axle** railrd engin'g 625.21
- Garfield, J. A.** presidency of 973.84
- Gargoyles** arch. decor. 729.53
- Garibaldi** Italian history 945.08
- Garlic** 635.262
- Garments**
- for special purposes 646.47
 - outdoor dom. econ. 646.45
 - outer house " " 646.43
 - under " " 646.42
- Garnier, Robert** Fr. dram. 842.37
- Garnishee** law 347.7
- Garnishes** 635.78
- Garnitures**
- dress dom. econ. 646.48
 - table " " 642.8
- ¹Garrett co. Md.** history 975.297
- Garrick, D:** Eng. drama 822.61
- Garter, order of** heraldry 929.714
- Garters** hygiene 613.484
- Garth, S:** English satire 827.48
- Gärtner's duct** anatomy 611.6676
- Gas**
- accumulators elec. eng. 621.357
 - aeronautics 629.161
 - as kitchen fuel 643.334
 - checks ordnance 623.4243
 - coal heating 697.6
 - compression prac. chem. 542.78
 - cooking by 641.584
 - dissolving prac. chem. 542.74
 - domestic fuel 644.24
 - driven electric plants 621.312133
 - engins agriculture 631.3716
 - engineering 621.4
 - physics 536.82
 - exchange respiration 612.22
 - in blood " 612.23
 - fitting plumbing 696.2
 - fuel chem. tech. 662.6
 - generation prac. chem. 542.72
 - heating bilding 697.6
 - prac. chem. 542.44
 - illuminating air pollut. 614.723
 - inspect. of 614.835
 - light dom. econ. 644.313
 - lib. " 022.752
 - liquefaction prac. chem. 542.79
 - manipulation " " 542.7
 - manufacture 665.7
 - mesuring prac. chem. 542.76
 - meters " " 542.76
 - natural econ. geology 553.28
 - heating 697.6
 - production prac. chem. 542.72
 - rarefaction prac. chem. 542.77
 - sewer air pollution 614.765
 - sanitary eng. 628.23

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- Gas**
 solidification *prac. chem.* 542.79
 storage " " 542.75
 stoves, kitchen equipm't 643.334
 suffocation by *prot. of life* 614.82
 turbins *engin'g* 621.433
 washing *prac. chem.* 542.74
 water heating 697.6
 wells *economic geology* 553.28
 works · *air pollution* 614.723
Gascoigne, G: *Eng. satire* 827.31
Gascon sheep 636.3464
 swine 636.445
¹**Gasconade co. Mo.** *history* 977.861
¹**Gascony, France** *history* 944.77
Gaseous
 fuels *steam engin'g* 621.18224
 state *chemistry* 541.33
Gases
 absorption by skin 612.7915
 agricultural hindrances 632.19
 blood *physiology* 612.127
 chemic technology 665
 effect on books 025.8
 illuminating *air pollution* 614.723
 in mines 622.41
 inhalation *hyg. of employ.* 613.62
 intestinal *physiology* 612.3317
 muscle *physiology* 612.74417
 noxious *air pollution* 614.72
 of urin *physiology* 612.46164
 pneumatics 533
 qualitativ analysis 544.4
 quantitativ analysis 545.7
 respiratory exchange 612.22
 soil physics 631.433
 volume of *chemistry* 541.2
 volumetric analysis 545.7
Gasoline engines " 621.43
 plow 631.3123
 vehicles 629.2
 tractors *agric.* 631.3722
Gasometers *prac. chem.* 542.75
Gaspé, burning *Am. revol.* 973.3112
¹ co. *Que. history* 971.479
Gassenay goat 636.3939
Gasserian ganglion 611.8915
Gasteromycetes *botany* 589.221
Gasteropoda *zoology* 594.3
Gastric
 artery *anat.* 611.13643
 branches of *vagus* " 611.831919
 fistulas *physiology* 612.3211
Gastric
 glands *anatomy* 611.33
 juice *stomach* 612.32
 with *pancreatic* 612.34251
 nervs *anatomy* 611.8393
 secretions *physiol. zool.* 591.143
 vein *anatomy* 611.1493
Gastritis *diseases* 616.33
Gastro-
 colic omentum *anat.* 611.382
 duodenal artery " 611.13641
 epiploic " *left* " 611.13642
 " *right* " 611.13641
 nervs " 611.8393
 hepatic omentum " 611.382
 splenic " " 611.382
Gastrocnemius muscle " 611.73853
Gastronomy *cookery* 641.01
Gastropoda *zoology* 594.3
Gastrotomy *surgery* 617.55
Gastrula *embryology* 611.01332
¹**Gates co. Wis.** *history* 977.519
Gates
 architectural *construc.* 721.8
 railway equipment 625.18
Gatherers, hay 631.3532
 stone 631.3117
Gatling guns *mil. eng.* 623.42242
Gauge, see Gage
Gauging, see Gaging
¹**Gaul** *history* 944
¹**Gauley valley, W. Va.** *hist.* 975.468
Gaur *domestic animals* 636.2972
Gauss's theory *magnetism* 538.1
Gautama *Buddhism* 294
Gautier, Théophile *Fr. fict.* 843.77
Gauze, wire *prac. chem.* 542.46
Gay, John *Eng. drama* 822.56
Gayal *domestic animals* 636.2972
Gayangos, Pascual de
 Spanish miscellany 868.51
Gazetteers 910.3
 special country, see country 914-919
Gearing *mill engin'g* 621.85
Gears, tooth " " 621.83
 valv " " 621.84
 steam engines 621.1342
Geary exclusion act *U.S. hist.* 973.86
¹**Geauga co. O.** *history* 977.1336
Geese *hunting* 799
 poultry 636.598
 zoology 598.4
Gehenna *doctrinal theol.* 237.5
Geibel, E. *German poetry* 831.83

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- Geiger, E. G. Swed. misc. 839.7861
 Geissler's tubes electricity 537.53
 Gelatin manufacture 668.3
 processes photo. 773
 Gelatinosa anatomy 611.8224
 Gelatinosæ botany 589.18
 Gelatinous liquids chem. 541.325
 Gelding zootechny 636.08234
 Gellert, C. F. Ger. poetry 831.61
 Gelli, G. Italian essays 854.37
 Gem engraving 736
 Gemara Judaism 296
 Gemelli muscles anat. 611.73818
 Gemignano, F. da San 857.11
 Gemini muscles anat. 611.73818
 Gemmation zoology 591.165
 Gems economic geology 553.8
 engraved 736
 mineralogy 549
 Gender Eng. language 422.5
 Fr. " 442.5
 Lat. " 472.5
 * other languages
 • Geneagenesis zoology 591.162
 Genealogy 929
 General
 average law 347.7
 council eccles. polity 262.5
 religious history 270.2
 secretary Y. M. C. A. 267.341
 ticket suffrage 324.222
 Generalization logic 161
 Generals, lives of 923.5
 Generation
 botany 581.16
 of electricity 621.31
 physiology 612.6
 spontaneous biology 576.1
 physiology 612.601
 steam 621.18
 zoology 591.16
 zootechny 636.08245
 Genet domestic animals 636.183
 Generativ
 functions, female 612.62
 male 612.61
 organs anatomy 611.6
 comp. anat. 591.46
 descrip. anat. 591.76
 male func. dis. 616.69
 Generator panels el. eng. 621.31722
 Generators
 altern. current " " 621.31343
 charging telephony 621.38763
 direct current elec. eng. 621.31323
 double " " " 621.31356
 induction " " 621.31363
 ringing telephony 621.38764
 voltaic engineering 621.35
¹Genesee co. Mich. history 977.437
¹ N. Y. " 974.792
 Genesis Bible 222.11
 Genève
 award * U. S. history 973.82
 confession creeds 238.4
¹ history 949.4
 travels 914.94
 tribunal internat. law 341.6
 Geniculate
 bodies anatomy 611.8146
 ganglion " 611.8917
 Geniculum " 611.8146
 Genii folklore 398.4
 Geniohyoid muscles 611.7348
 Genital
 plexus anatomy 611.8359
 tract, rupture of obstet. 618.55
 see also Generativ
 Genitiv case Gk syntax 485.5
 Lat. " 475.5
 * other languages
 Genito-
 crural nerv anat. 611.83543
 femoral " 611.83543
 urinary system anat. 611.6
 pathol. 616.6
 surgery 617.46
 therap. 615.76
 Genius
 hereditary 151.1
 136.3
¹Genoa, Italy history 945.1
 travels 914.51
 Genre painting 754
 Gentianales botany 583.7
 Gentianæ " 583.75
 Gentlemen curtesy 177.1
 Gentleness ethics 179.9
¹Gentry co. Mo. history 977.8145
 Geocentric place 521.2
 Geochemistry geology 551.94
 Geodesy 526
 Geognosy 551

- German
 philosophy 193
 poultry 636.53
 reformation polit. hist. 943.03
 relig. " 274.3
 reformed church 284.1
 republic 943.085
 sculpture 735
 sheep 636.33
 socialism 335.5
 student dueling 371.82
 swine 636.43
 universities 378.43
 Germanium chemistry 546.695
 Germantown, Pa. Am.rev. 973.3337
 Germany
 administration 354.43
 antiquities 913.43
 architecture 720.943
 Romanesque 723.43
 botany 581.943
 constitutional law 342.43
 education 370.943
 finance 336.43
 geology 554.3
 heraldry 929.6
¹ history 943
 laws 349.43
 local government 352.043
 maps 912.43
 peerage 929.73
 religious history 274.3
 schools, public 379.43
 statistics 314.3
 travel 914.3
 treaties 341.243
 universities 378.43
 zoology 591.943
 Germicides
 disinfectants pub. helth 614.482
 external therapeutics 615.778
 Germinal, *see* Germ
 Germination botany 581.3
 Germs, *see* Bacteria; Bacteriology;
 Germ theory of disease
 Gerrymandering
 representation 328.3346
¹Gers, France history 944.77
 Gerstäcker, F; Ger. fiction 833.77
 Gerund Latin etymology 472.8
 syntax 475.8
 Gesneraceæ botany 583.83
 Gessenay goat 636.3939
 Gesta Romanorum
 modern Latin fiction 879.3
 Gestation
 ectopic obstetrics 618.31
 obstetrics 618.2
 physiology 612.63
 Gesture language educ. 371.912
 Gestures oratory 808.5
 Gettysburg U.S. civ. war 973.7349
 Gex cheese 637.3544
 Geysers physical geol. 551.23
 Ghebers Parsecism 295
 Ghegan repeaters teleg. 621.38324
¹Ghent history 949.3
 travels 914.93
 Gherardi, del Testa, T. 852.74
 Gherkins garden crops 635.63
 Ghibelines Ital. history 945.04
 Ghistele, C. van Dut. poet. 839.3128
 Ghost, Holy dogmatics 231.3
 Ghosts occultism 133.1
 Ghouls folklore 398.4
 Giacometti, P. Ital. drama 852.73
 Giambullari, B.F. " essays 854.36
 Giannone, P. " " 854.57
 Giannotti, D. " " 854.35
 Giant, Cardiff humbugs 133.7
 hydraulic 621.269
 Giant's causeway descrip. 914.161
 Giants nat. hist. of man 573.8
 Gibbon, E: Eng. essays 824.67
¹Gibraltar history 946.8
 travels 914.68
¹Gibson co. Ind. history 977.235
 Gifford, W: Eng. satire 827.71
 Gifts
 kindergarten methods 372.212
 library finance 025.111
 of books lib. acquisition 025.227
 law 021.84
 support 021.93.
 duplicates by lib. to lib. 025.268
 money lib. support 021.93
 Gigantostroma zoology 595.39
 Gigli, G. Italian drama 852.54
 Gil y Zárate, A. Span. poet 861.55
 Gilbert, H. discov. of Am. 973.17
 N: J. L. Fr. satire 847.52
¹Gilbert islands history 996.8
 Guild houses architec. 725.9
 Gilding 671
 Guilds parish work 256
 polit. economy 338.6
 Gilead travels 915.69

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Giles, H: Amer. essays	814.32	Glanders diseases	616.954
Gillikin poultry	636.5882	pub. helth	614.564
Gills		Glands, see also special organ or qualifying term	
comparativ anatomy	611.28	Glands of skin anat.	611.772
skeleton of "	611.7166	Glandular system	
¹ Gilmer co. W. Va. history	975.427	anatomy	611.4
chemic technology	663.5	drugs acting on	615.74
Ginep	634.652	histology	611.01872
Ginger	633.825	physiology	612.4
Ginkgo	634.572	surgical operations	617.44
Ginglymus anatomy	611.72964	Glanschwein	636.431
Ginseng agriculture	633.88	Glane swine	636.431
Gioberti, V. Ital. essays	854.77	Glasgow	
Giordani, P. " "	854.72	¹ Scotland history	941.43
Giovagnoli, R. " fiction	853.87	travels	914.143
Gipsies biografy	397	university	378.41
language	397	sloop Amer. revol.	973.352
outcast races	397	Glass	
Gipsy		and iron structures	721.98
moth agriculture	632.78	wood "	721.99
zoology	595.78	apparatus prac. chem.	542.231
Romany language	397	bilding material	691.6
Giraldès, organ of anat.	611.633	blowing prac. chem.	542.2315
Giraldi, G. B. C.		iridescent	748
Italian drama	852.42	library bildings	022.21
fiction	853.44	manufacture	666.1
Girard turbin	621.247	ornamental	748
Girart de Rossilho Prov. lit.	849.121	painted	748
Girder bridges engin'g	624.27	prehistoric	571.56
Girders bridge engin'g	624.21	roofs architec.	721.53
Girdle bone anat.	611.7181	staind, design "	729.8
Girdling agriculture	631.54224	table dom. econ.	642.7
Girls		works architecture	725.48
counsels to ethics	173.6	Glauconite lithology	552.58
education	376	Glazing bilding	698.5
religious societies	267.8	Glees vocal music	784.1
schools, gymnastics in	371.7326	Gleet diseases	616.952
societies sociology	369.46	¹ Glengarry co. Ont. history	971.377
¹ Gironde, France history	944.71	¹ Glenn co. Cal. hist.	979.431
Girondists " "	944.04	Gliders aeronautics	629.172
Girs, Ægidius Swed. misc.	839.7823	Glisettes curvs	516.26
Giusti, G. Italian satire	857.71	Globe of eye diseases of	617.74
Glacial drift erosion	551.33	Globes	
period	551.79	school apparatus	371.6791
Glacier goat	636.3936	use of astronomy	522.78
Glaciers	551.31	Globular projection	515.52
Glacis fortifications	623.116	Globules of blood, see Corpuscles	
Gladiators customs	394.2	Globulins physiology	612.398132
Gladiolus anatomy	611.713	Globus pallidus anatomy	611.81322
¹ Gladwin co. Mich. hist.	977.472	Gloria in excelsis music	783.22
¹ Glamorgan, Wales hist.	942.97	³ Glossaries Eng. dialects	427
Gland, see special organ or qualifying term		language	423

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- Glossopharyngeal
 ganglion, superior anat. 611.8919
 nerv " 611.8319
 physiology 612.8199
 taste 612.879
 nucleus anatomy 611.8186
 Glottis " 611.225
 physiology 612.7824
 'Gloucester co. Eng. hist. 942.41
 ' " N. B. " 971.512
 ' " N. J. " 974.981
 Gloves
 clothing 646.48
 costume 391.4
 lether manufacture 675
 woven " 677
 Glucinum chemistry 546.45
 Glucose
 chemic technology 664.1
 chemistry of blood 612.1221
 digestion 612.39613
 Glucosids
 nutrition 612.396175
 vegetable drugs 615.333
 Glucosuria
 pancreatic physiology 612.3491
 pathologic " 612.46621
 physiologic " 612.46182
 physiology of liver 612.35216
 toxic physiology 612.4644
 Glue
 chemic technology 668.3
 making air pollution 614.746
 Glumaceæ botany 584.8
 Gluteal
 arteries anatomy 611.1376
 muscle " 611.73814
 nerv, inferior " 611.83572
 superior " 611.83571
 Glutin nutrition 612.398146
 Gluttony hygiene 613.25
 temperance 178.9
 Glycerin chemic tech. 668.2
 Glycogen
 in blood 612.1222
 nutrition 612.396112
 Glycogenesis physiol. 612.3521
 Glycolysis " 612.3962
 Glycolytic ferments
 in blood 612.1223
 physiologic chem. 612.01516
 Glycoproteids nutrition 612.3981453
 Glycosmis 634.341
 Glyfografy engraving 762
 Glyptics carving 736
 Gmelin washbottles chem. 542.69
 Gnats animal parasites 616.9681
 pests agriculture 632.77
 zoology 595.77
 Gneiss lithology 552.42
 Gnetaceæ botany 585.1
 Gnoli, Domenico Ital.poet. 851.83
 Gnomes folklore 398.4
 maxims Eng. lit. 828
 folklore 398.9
 Gnostic poetry Greek lit. 881
 Gnomonic projection
 descriptiv geometry 515.55
 Gnosticism philosophy 189.1
 Gnostics heresy 273.1
 Goats
 dairy 637.174
 diseases of compar. med. 619.3
 domestic animals 636.39
 Goatsmilk cheese 637.3552
 Gobelin tapestry art 746
 Goblins folklore 398.4
 God doctrins 231
 will of ethics 171.1
 Godfrey, T: Amer. dram. 812.12
 Gods ethnic religions 290
 mythology 291
 Goes, J. A. van der Dut. lit 839.3137
 Goethe, J; W. von Ger. " 832.62
 Gofer cultivator 631.3164
 'Gogebic co. Mich. history 977.498
 Goitre pathology 616.44
 Gold
 chemistry 546.91
 ' Coast, Africa history 966.9
 coinage 332.4
 cure alcoholism 616.861
 manufactures 671
 metallurgy 669.2
 mineralogy 549.2
 ores econ. geology 553.41
 political economy 332.41
 Golden
 bull Ger. const. hist. 342.43
 currant 634.724
 Fleece knights 929.715
 rule ethics 171.1
 Goldoni, Carlo Ital. dram. 852.61
 Goldschmidt, M.A. Dan.fic 839.8365
 Goldsmith, O. Eng. essays 824.66
 fiction 823.64
 poetry 821.64

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Goldsmithing	fine arts	739	Gouache painting	751
	useful "	671	Goudouli, P. de	Prov.poet. 849.141
Golf	amusements	796	Goumi	agriculture 634.743
Goll's nuclei	anatomy	611.8261	Gourd, rag	" 635.627
	tract	611.8261		wax " 635.618
Gomberville, M. Le Roy de			Gournay fowls	" 636.546
	French fict.	843.42	Gout	diseases 616.991
Gongora y Argote, L. de			Gove system	suffrage 324.224
	Spanish poetry	861.37	Governess	private educ. 373.1
Goniometry	crystallog.	548.7	Governing board, library	023.3
Gonorrhea	pathology	616.952	Government	
	pub. helth	614.548	appointment of legislators	328.3351
Good			buildings	architecture 725.1
Friday	Anglican ch.	264.031	central administration	351
	special music	783.27	foren states	354
¹ Hope, Cape of	history	968.7	church	262
	travels	916.87	control	insurance 368.91
Templars	temperance	178.06	divine	231.7
Goodenoviae	botany	583.58	family	ethics 173
Goodness	ethics	179.9	foren countries	354
Goose, Mother	folklore	398.3	forms of	321
Goose, <i>see</i> Geese			libraries	027.5
Gooseberry			library economy	023
	bush fruits	634.725	loans	finance 336.3
	Otaheite palm. fruits	634.666	local administration	352
Gopher cultivator		631.3164	officers in legislativ bodies	328.3321
Gorgias	Greek philos.	183.1	political science	320
Gorgonzola cheese		637.3535	publishing	655.59
Gorham controv.	baptism	265.1	school	education 371.5
Gorilla	zoology	599.8	science of	polit. science 320
Gosnold, B.	discov. of Am.	973.17	U. S. and state administ.	353
Gospels	Anglican ritual	264.036	vessels	fighting 623.825
	Bible	226		nonfighting 623.826
	harmonies of	226.1	Governors	biograpy 923.2
	pseudo	229.8		steam turbins 621.16535
Gossip	ethics	177.2	Gower, J:	English poetry 821.18
Gotama	Buddhism	294	Gower's tract	anatomy 611.8254
Göthe, J;W.von Ger.	dram.	832.62	Gowns	academic 378.29
Gothic				dom. economy 646.43
	architecture	723.5	Gozzi, Carlo	Ital. drama 852.62
	ecclesiology	246.1		Gasparo " satire 857.61
	kingdom	Italian hist. 945.01	Graafian follicles	anat. 611.6512
		Span. " 946.01	Grabbe, C. D.	Ger. drama 832.71
⁴ language		439.9	Gracchi	Roman hist. 937.05
⁵ literature		839.9	Grace	doctr. theology 234.1
	revival	architecture 724.3		esthetics 701
	Victorian	" 724.4	Graces	music 781.2
¹ Gothland, Sweden	hist.	948.6		mythology 292
Goths	"	943.01	Gracilis, fasciculus	anat. 611.8182
Gottfried von Strassburg				muscle " 611.73825
	German poetry	831.25	Grade	
Gottschall, K:R.	Ger. dram.	832.84	crossing	railroads 625.1
Gottsched, J;C.	" "	832.54	of sewers	san. eng. 628.219
	L.A.V. " "	832.55		

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- Graded degrees, academic 378.22
- Grades butter 637.223
cheese 637.323
railway engin'g 625.11
roadmaking 625.72
schools 371.25
- Grading engineering 625.12
- Gradual cathed. music 783.23
- Graduated system suffrage 324.224
- Graduates college, and Amer. revol. 973.315
U.S.civ.war 973.715
- Graduation schools 371.291
- Græco-Russian church 281.9
- Graffiti inscriptions 471.7
- Grafic arts fine arts 700
prehist. archeol. 571.7
representations of sound 534.6
statics 531.2
- Grafics of light and shadow 515.7
- Graft bills legislation 328.367
business ethics 174.7
political " 172.2
- Grafting animal physiology 612.602
bridge agric. 632.8
plant materials 631.341
methods 631.541
- ¹Grafton co. N. H. hist. 974.23
- Grafts protection 631.5417
- Graham shorthand 653.52
- Grail, holy legends 398.2
- Grain agriculture 633.1
¹ Coast, Africa hist. 966.6
duty on 337.5
elevators architecture 725.36
production pol. econ. 338.1
trade dom. trade 381
- Graining house paint'g 698.1
- Grains agriculture 633.1
- Gallatores zoology 598.3
- Gram machine electricity 537.83
- Gramineæ botany 584.9
- Grammar comparativ 415
elementary education 372.6
schools public schools 379.17
universal comp. philol. 415
- ¹Grammars Eng. lang. 425
- Granada goat 636.396
Luis de Span. miscel. 868.32
¹ Spain history 946.8
travels 914.68
- Granaries architecture 728.95
farm bildings 631.23
- Grand Army of the Republic 369.151
U.S.hist. 973.76
gulf, Miss. U. S. civ.war 973.753
¹ Isle co. Vt. history 974.31
¹ Manan iland, N. B. hist. 971.533
opera 782
¹ Rapids, Mich. hist. 977.456
stands architecture 725.82
¹ Traverse co. Mich. hist. 977.464
- Grangers associations 630.6273
- Granit bilding stone 553.52
plutonic rock 552.33
- Granits metamorf. rock 552.41
- Grant, U. S. presidency of 973.82
- ¹Grant co. Ind. hist. 977.269
¹ W. Va. " 975.492
¹ Wis. " 977.577
- Grants land finance 336.14
to schools 379.12
- Grape culture 634.8
cure therapeutics 615.854
shore agriculture 634.664
shot ordnance 623.45122
sugar manufacture 664.1
- Grapefruit 634.323
- Graperies architecture 728.98
- Grapes 634.8
- Graphic, etc. *see* Grafic
- Graphite econ. geol. 553.26
- Graphitic anthracite " " 553.25
- Grass flies pests 632.75
hook 631.3511
knife 631.3511
- Grasses agriculture 633.2
botany 584.9
ornamental 716.1
- Grasshoppers pests 632.72
zoology 595.72
- Grates fireplaces bilding 697.1
locomotiv boiler 621.1332
steam engineering 621.18352
- Gratings, timber architec. 721.15

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

¹ Gratiot co. Mich. hist.	977.449	Great Britain	
Gratitude ethics	179.9	gentry, landed	929.725
Grattan, H: Eng. oratory	825.65	government	354.42
Gratuities		heraldry	929.6
legislative employees	328.3626	¹ history	942
political economy	331.238	knightage	929.723
Grave		parliament	328.42
mounds prehist. arch.	571.92	peerage	929.721
stones monuments	718	politics	329.942
yards	719	precedence	929.724
Gravel		society of 2d war with	369.144
disease	616.62	titles of honor	929.72
foundations	721.14	Great circle sailing	527.5
petrography	552.51	lakes, U. S. travel	917.7
roads engin'g	625.7	Great Russia	
roofing bilding	695.6	¹ Northern history	947.2
Graves cemeteries	719	travels	914.72
Graves' disease	616.44	¹ Southern history	947.3
Gravimetric anal. chem.	545.1	travels	914.73
Gravina, G. V. Ital. essays	854.55	Great Salt lake travels	917.92
Graving		schism	270.3
docks hydraulic engin'g	627.3	war 1914-19 history	940.3
shipbuilding	623.83	Grecian bend fashions	391.2
Gravitation		Grecian, see also Greek	
celestial dynamics	521.12	Greco-Russian church	281.9
system waterworks	628.12	Greece	
theories	531.51	ancient antiquities	913.38
Gravity		architecture	722.8
center of	531.24	art, history of	709.38
experiments geodesy	526.7	history	938
physics	531.5	modern administration	354.495
railways	625.3	botany	581.9495
specific	532.4	finance	336.495
Gray, Thomas Eng. poetry	821.61	geology	554.95
Gray		history	949.5
African goose	636.59886	maps	912.495
Chittagong fowls	636.5852	schools	379.495
friars Franciscans	271.3	statistics	314.95
matter, cerebellar anat.	611.81713	travel	914.95
of cord	611.822	treaties	341.2495
multiplex telegraf	621.38237	Greed ethics	179.8
telautograf	621.3826	Greek	
Toulouse goose	636.5984	archipelago ancient hist.	939.1
wild goose	636.59881	¹ mod. "	949.9
Grazzini, A. Ital. fiction	853.41	architecture	722.8
Grease chem. tech.	665.2	calendar	529.3
Great Britain		church	281.9
antiquities	913.42	classics	880
baronetage	929.722	dialects	487
church history	274.2	fire customs of war	399
colonies	325.342	independence mod. hist.	949.506
commerce	382	⁴ language	480
constitution	342.42	⁴ modern	489
det of finance	336.42		
dignities	929.724		

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- Greek
 literature 880
 * modern 889
 mythology 292
 orders of architecture 729.32
 paleografy inscriptions 481.7
 philosophy 180
 revival architecture 724.2
 sculpture 733
 theory of music 781.8
 Green, J. Amer. poetry 811.14
 Green
 1 Bay, Wis. history 977.561
 1 co. N. Y. " 974.737
 1 Wis. " 977.586
 fodder, storing 631.563
 zootechny 636.08551
 vegetable dyes 633.864
 1 Lake co. Wis. history 977.559
 manures agriculture 631.874
 mts, Vt. description 917.43
 Greenback party 329.82
 Greenbacks paper money 332.5
 U. S. finance 336.73
 1Greenbrier co. W. Va. hist. 975.488
 1 val. " " 975.486
 Greene, R. Eng. drama 822.31
 1Greene co. Ill. history 977.384
 travels 917.7384
 1 Ind. history 977.242
 1 Ia. " 977.7466
 1 Mo. " 977.878
 1 O. " 977.174
 1 Pa. " 974.883
 Greenhouses 716.3
 architecture 728.98
 plant forcing 631.5444
 protection 631.3444
 Greenland
 discovery of Scan. hist. 948.02
 1 history 998
 Greens kitchen garden 635.4
 Greensand petrografy 552.58
 molding foundry 621.745
 Greensickness diseases 616.15
 gynecology 618.17
 Gregarinidæ zoology 593.19
 Gregariousness of animals 591.55
 Gregorian
 calendar 529.5
 chant ecclesiology 246.8
 sacred music 783.5
 Grenades ordnance 623.45114
 1Grenville co. Ont. hist. 971.374
 Gresban, Arnoul Fr. dram. 842.21
 Gresset, J. B. L. " satire 847.51
 Grévin, Jacques " dram. 842.35
 Grévy, Jules Third repub. 944.08
 Grey, see Gray
 1 co. Ont. hist. 971.318
 Grids elec. engin'g 621.3522
 Griepenkerl, W. R. Ger. dra. 832.72
 Griffin folklore 398.4
 heraldry 929.6
 Grilles arch. construct. 721.87
 Grilling cookery 641.76
 Grillparzer, F. Ger. dram. 832.73
 Grimmelshausen, H. J. C. von
 German fiction 833.52
 Grimm's law comp. philol. 412
 Grinders' occupation hyg. 613.63
 Grinding
 flour mills 679
 machines mech. eng. 621.92
 practical chemistry 542.22
 Grindstones 621.923
 Gringoire, Pierre Fr. dram. 842.23
 Grip diseases 616.203
 public helth 614.5
 Grison swine 636.449
 Gristle
 chemic composition 612.7512
 histology 611.0183
 Gristmills architecture 725.47
 Gritstone sheep 636.3261
 Groceries adulterations 614.3
 Grocers' occupation hyg. 613.63
 Grocery stores 641.4
 Groind vaults architect. 721.44
 Grooming zootechny 636.0833
 Grooving machines 621.91
 Groselles 634.72
 Grossi, Tommaso Ital. fict. 853.73
 Grotesque forms
 decoration in relief 729.53
 painted decoration 729.43
 Grottoes phys. geografy 551.44
 Ground
 air hygiene 613.14
 public helth 614.773
 hygiene of " " 614.7
 substance, bony histol. 611.01843
 of connectiv tissue 611.01823
 water agriculture 631.432
 phys. geografy 551.49
 Grounds, private 712
 Group system curriculum 375.005
 Groves landsc. gardening 715

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- Groveton, Va. battle of 973.7328
- Growth
 after birth physiology 612.65
 biology 577.3
 botany 581.134
 disproportionate deform. 617.37
 incomplete " 617.31
 of cities administration 352.001
 statistics 312
 library, provision for 022.13
 ration during physiol. 612.394
 zoology 591.134
- Grubber 631.3162
- Grubbing ax 631.3116
 hoe 631.3116
- Grubs pests 632.76
- Grundtvig, N. P. S.
 Dan. poet. 839.8163
- ¹ Grundy co. Ill. history 977.326
 Ia. " 977.7537
 Mo. history 977.8215
- Gruyère cheese 637.3544
- Gryphius, A. Ger. drama 832.51
- Gryphon folklore 398.4
 heraldry 929.6
- ¹Guadaloupe history 972.97
 travels 917.297
- Guadaloupe sheep 636.362
- ¹Guam history 996.7
 travel 919.67
- ¹Guanajuato, Mex. hist. 972.4
- Guano
 economic geology 553.64
 fertilizers 631.854
- Guaranties and sureties 347.7
- Guarantor, reader's lib. 024.14
- Guardianship law 347.6
- Guarini, G. Ital. poetry 851.45
- ¹Guatemala history 972.81
- Guava agriculture 634.421
- Gubbio, Bosone da Ital. fic. 853.14
- Gubernatis, Angelo de
 Italian miscellany 858.81
- Gudrun German poetry 831.22
- Guelderland fowls 636.548
- Guelders poultry 636.548
- Guelphs Italian history 945.04
- Guerilla
 life military science 355.12
 warfare internat. law 341.3
- Guerillas
 northern U. S. civ. war 973.7417
 southern " " 973.742
- ¹Guernsey co. O. history 977.192
- ¹Guernsey island history 942.34
 travels 914.234
- Guernsey cattle 636.2244
- Guerrazzi, F. D. Ital. fict. 853.74
- ¹Guerrero, Mexico hist. 972.7
- Guerrière, ship U. S. hist. 973.5251
- Guerrini, Olindo Ital. poet. 851.87
- Guggisberger goat 636.3936
- ¹Guiana, South Am. hist. 988
- Guicciardini, F. Ital. essays 854.34
- Guidance, vocational 374.1
- Guide
 books 910
 vanes steam turb. design 621.16533
 theory 621.16513
- Guides, railroad 656
 land settlement agric. 631.11
- Guidi, Ales. Ital. poetry 851.55
- Guidiccioni, G. " " 851.37
- ¹Guienne, France history 944.7
- Guilds
 business polit. econ. 338.6
 parish work 256
- Guilford, N. C. Am. revol. 973.3372
- Guillotine law 343.2
- Guinea
¹ Lower, Africa history 967.1
¹ New history 995
 travels 919.5
¹ Upper, Africa history 966.5
- Guinea fowls 636.593
 goat 636.3986
 goose 636.59886
 pigs dom. animals 636.9
 zoology 599.3
 sheep 636.386
 squash 635.646
 swine 636.486
- Guinicelli, Guido Ital. poet. 851.13
- Guitar music 787.6
- ¹Gujerati language 491.47
- Gulf
 of Mexico phys. geog. 551.463
 society of army and
 navy of 369.156
 squadron U. S. civ. war 973.756
¹ states, U. S. history 976
 For military history of all or
 individual states, see subdivisions
 of Special campaigns and Military
 history under 973.52, 973.7 and
 973.80
 stream phys. geografý 551.471
- Gulfs
 hydrografý of survey'g 526.99

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Gullet, diseases of	616.32	Guys elec. lines	621.319223
Gum collectors	631.3588	¹ Guysborough co. N. S. hist.	971.621
Gumbo	635.648	Gyllembourg - Ehrensvärd,	
Gums		T. C. Danish fiction	839.8361
anatomy	611.314	Gyllenberg, G. F. Sw.poet.	839.7146
and resins chem. tech.	668.4	Gymnasia Ger. schools	379.43
chemistry of nutrition	612.39612	Gymnasiums	
fossil econom. geol.	553.29	architecture	725.85
gathering agric.	631.5568	library bildings	022.666
perfume plants "	633.816	school "	371.624
vegetable drugs	615.335	Y. M. C. A.	267.327
Gun		Gymnastics	
boats shipbiling	623.825	curativ	615.82
carriages, traction of	623.58	hygiene	613.71
cotton explosivs	662.2	school hygiene	371.73
making	683	vocal elocution	808.5
mounts, reaction of	623.57	vocal music	784.9
naval engineering	623.825	Gymnoasceæ botany	589.238
Gunnbiorn discov. of Amer.	973.13	Gymnocarpæ botany	589.17
Gunnery mil. eng.	623.5	Gymnosophists filosofy	181.4
Gunning sports	799	Gymnospermæ botany	585
Gunpowder		Gynecology	618.1
care mil. engin'g	623.48	Gypsies, <i>see</i> Gipsies	
explosivs	662.3	Gypsum	
manufacture hygiene	613.66	economic geology	553.63
protoc. of life	614.832	fertilizers	631.821
military engineering	623.4521	lithology	552.53
plot English history	942.061	Gypsy, <i>see</i> Gipsy	
Guns		Gyre, paracentral anat.	611.81316
animal capture zootech.	636.081112	Gyri operti "	611.81319
military engineering	623.4	Gyroscope aerostation	523.28
theory of	623.51	astronomy	523.28
Gunshot wounds surgery	617.145		
Gunter's scale math. instr.	510.8		
Gurney shorthand	653.32		
Gustaf 3 Swed. drama	839.7252		
Gustation physiology	612.87		
Gustavus Adolphus			
Swedish history	948.04		
miscellany	839.7824		
Gut, primitiv embryol.	611.01335		
Gutcleaning air pollution	614.742		
Gutenberg hist. of print.	655.111		
¹ Guthrie co. Ia. history	977.749		
Gutierrez, A. G. Span.poet.	861.54		
Gutta			
percha rubber manuf.	678		
serena eye diseases	617.75		
Guttiferæ botany	583.163		
Guttiferales "	583.16		
Gutzkow, K. F. Ger. dram.	832.78		
¹ Guyandotte val. W. Va. hist.	975.441		
Guyot de Provins Fr.satire	847.11		

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Habakkuk Bible	224.95	Hakluyt society geografy	910.6
Habeas corpus law	347.1	¹ Haldimand co. Ont. hist.	971.337
Habena anatomy	611.8145	Hale, Nathan Am. revol.	973.385
Habenula "	611.8145	Half	
Haberdashery clothing	646.32	sugar mangel	633.416
Habit		timberd walls architect.	721.21
mental faculties	158	tone process photog.	777
physiologic psychology	612.82134	way covenant	285.8
Habitations, animal	591.52	Halfa fibers	633.583
see also Dwellings		Halfbred Leicester sheep	636.3213
Habits		Haliburton, T. C. Am. hum.	817.38
animals zoology	591.5	¹ Haliburton co. Ont. hist.	971.361
customs	390	Halicarnassus Gk antiqui.	913.3924
laboring classes pol. econ.	331.84	Halids organic chem.	547.7
morbid hygiene	613.87	Halifax	
of children dom. econ.	649.6	¹ city, N. S. hist.	971.622
plants physiol. botany	581.5	travel	917.1622
Hack licenses loc. gov't	352.8	¹ co. N. S. hist.	971.62
Hackney coach horse	636.1423	fishery award. U. S. hist.	973.83
Hackländer, F; W; Ger. fict.	833.78	Hall, J. English satire	827.33
Hadamar von Laber " poet.	831.32	Hall furniture dom. econ.	645.61
¹ Haddington, Scotland hist.	941.45	marks plate	736
Hades ancient mythol.	292	Halle swine	636.431
doctrinal theol.	236.4	Halleck, Fitz-Greene Am. lit.	811.31
Hadley's quadrant astron.	522.41	Haller's rete testis	611.6315
¹ Hadramaut, Arabia hist.	953.4	Halley's method astron.	523.94
Hæmodoracæ botany	584.23	Hallman, K. I. Swed. dram.	839.7251
Haem-, haema-, haemato-, haemo.		Halloweve customs	394
see also Hem-, hema-, hemato-,		Halls	
hemo-		central lib. bildings	022.51
¹ Hagerstown, Md. history	975.292	city architecture	725.13
travels	917.5292	exhibition "	725.91
Haggai Bible	224.97	for lectures "	725.83
¹ Hague, The history	949.2	music "	725.81
travels	914.92	public hygiene	613.55
tribunal	341.1	riding architecture	725.88
Hahn Hahn, I. Ger. fic.	833.76	society student life	371.86
Hahnemann's theory med.	615.53	temporary architecture	725.92
Hail storms agriculture	632.14	town "	725.13
meteorology	551.55	turn "	725.85
Haimonskinder, die	831.37	Hallucinations	
Hair		mind and body	133.2
anatomy	611.781	physiology	612.82189
diseases of	616.54	Halogen group chemistry	546.12
domestic materials	646.17	Haloids organ. chem.	547.4
dressing customs	391.5	Halorageæ botany	583.398
toilet	646.7	Halos optics	535.4
dyes "	646.7	religious art	246.5
engineering materials	620.198	¹ Halton co. Ont. hist.	971.353
organic chemistry	547	Hamamelideæ botany	583.394
physiology	612.799	Hamamelis therap.	615.323394
pickers' occupation hyg.	613.63	¹ Hamar, Norway history	948.4
¹ Haiti history	972.94	Hamatum, os anatomy	611.71778
travel	917.294		

Topics in black face type are subdivided. Superior figures refer to the table at the end of this index

¹ Hamburg, Ger.	history	943.51	Handwriting	652
	travels	914.351	Hangars	aeronautics 629.144
	fowls	636.531	Hangers	mech. engin'g 621.822
Hamilton			Hanging	punishments 343.2
	Alexander Am. oratory	815.21	Hangings	
	Sir W: Eng. philos.	192.9	textil bilding	698.7
¹ Hamilton city, O.	hist.	977.1751	dom. econ.	645.3
¹	Ont. "	971.352	¹ Hannibal, Mo.	history 977.8351
¹	co. Ill. "	977.395	Hanover	
¹	Ind. "	977.256	¹ Germany	history 943.53
¹	Ia. "	977.752	travels	914.353
	N. Y. hist.	974.752	house of	English hist. 942.07
Hamitic language		493	Irish "	941.57
races		572.893	Scottish "	941.07
Hammarsköld, L.		839.7462	Hanoverian horse	636.143
Hammer	anat. of ear	611.857	merinos	636.36732
Hammers	machine tools	621.97	sheep	636.3335
¹ Hampden co. Mass.	hist.	974.42	swine	636.434
¹ Hampshire co.	"	974.42	Hanseatic leag	hist. 943.5
¹	W. Va. "	975.495	¹ Hants co. England	" 942.27
down sheep		636.3232	¹	N. S. " 971.635
Hammers	cattle	636.2262	Happiness	ethics 171.4
¹ Hancock co. Ill.	"	977.343	Hapsburg, house of, Ger.	943.026-06
¹	Ind. "	977.258	Harbor defenses	fortifica. 623.1
¹	Ia. "	977.724	engineering	627
¹	Me. "	974.14	Harbors	
¹	O. "	977.119	hydrografy of surveying	526.99
¹	W. Va. "	975.412	Hard cheese	637.354
Hand			fibers	633.57
arteries	anatomy	611.1344	labor	punishments 343.2
barrows		631.3731	Hardenberg, F; von Ger. fic	833.63
carts		631.3734	¹ Hardin co. Ill.	history 977.398
chiromancy		133.6	¹	Ia. " 977.753
cultivators		631.3161	¹	O. " 977.144
dressing of ore	min. eng.	622.72	Harding	shorthand 653.35
equipment	laundry	648.15	Hardness	
feeding	zootechny	636.08413	engineering tests	620.1126
human	anatomy	611.976	of molecules	physics 539.53
lamps	dom. econ.	644.321	Hardshel	baptists 286.4
language	def and dum	371.912	Hardware	manuf. 671
laundering		648.22	¹ Hardy co. W. Va.	history 975.493
lymfatics	anatomy	611.42176	Harelip	surgery 617.32
muscles	"	611.7377	Harems	customs 392.6
rollers		631.3141	Haren, O.Z. van	Dut. dram. 839.3244
railing	stair bilding	694.8	Willem van "	poet. 839.3145
plow		631.3121	Hares	dom. animals 636.9
turning	lathes	621.94	zoology	599.3
Handbooks of travel		910	¹ Harford co. Md.	history 975.274
Handicraft	mechan. trades	680	Haricots	kitchen garden 635.652
Handkerchief	customs	391.6	Häring, W;	Ger. fiction 833.75
	toilet	646.48	Harington, J:	Eng. satire 827.32
Handling	minerals mining	622.61	Harlem Heights	
Hands, artificial	surgery	617.57	battle	Amer. revol. 973.3224
Handspikes	ordnance	623.4361	Harlots	ethics 176.5

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Harmar's exped. U.S.hist.	973.42	Harth money . pol. econ.	336.27
Harmonic multiplex teleg.	621.38237	Hartmann von Aue Ger. lit.	831.26
Harmonics		Harts	
analytic geometry	516.56	lymfatic comp. physiol.	612.424
modern "	513.56	Hartzembusch, J. E. Sp. lit.	861.56
music	781.1	Harvard	
Harmonists sects	289.9	table system	642.55
Harmonium	786.9	university	378.744
Harmony		Harvesters	
music	781.3	corn	631.355
of colors	535.6	grain	631.3542
painting	752	Harvesting	
gospels Bible	226.1	machines	631.35
Harness		operations	631.55
breaking to zootechny	636.08862	Harz mountain goat	636.393
care "	636.0837	¹ Hasa, Arabia history	953.6
farm transport	631.374	Hashish ethics	178.8
horse domestic animals	636.14	hygiene	613.82
Harnessmaking	685	Hasp cultivators	631.3162
Harp	787.5	¹ Hastings co. Ont. hist.	971.358
Harpers Ferry		Hat fibers	633.584
¹ W. Va. history	975.499	Hatchet, pruning	631.3425
invasion U.S. "	973.68	Hatching	
Harpichord	787.9	artificial zootechny	636.08247
Harquebus firearms	623.441	engraving	762
Harrington, J. Eng. fic.	823.41	Hate ethics	179.8
Harris, W: T. Amer. phil.	191.8	Hatmaking	687
Harrisburg, Miss. U.S. hist.	973.7372	Hatracks dom. econ.	645.61
¹ Pa. hist.	974.818	lib. "	022.921
insurrect'n	974.8	Hats clothing	646.5
Harrison, B: presidency of	973.86	costume	391.4
W: H: " "	973.58	Hatteras inlet U.S. civ. war	973.751
¹ Harrison co. Ind. history	977.221	Hauch, J. C. Danish poet.	839.8164
¹ Ia. "	977.747	Hauff, W; German fic.	833.67
¹ Harrison co. Mo. history	977.817	Haulage	
¹ O. "	977.168	animal min. eng.	622.65
¹ W. Va. "	975.457	mechanic " "	622.66
Harrowing	631.513	Haunted houses	133.1
Harrows	631.313	Hautbois strawberry	634.752
Hart		Haute	
anatomy	611.12	¹ Garonne, France history	944.86
diseases	616.12	¹ Loire " "	944.81
ectopic physiol.	612.1717	¹ Marne " "	944.33
effect of sympathet. syst.	612.897	¹ Saône " "	944.45
toxins physiol.	612.174	¹ Savoie " "	944.49
vagus "	612.819911	¹ Vienne " "	944.66
in asphyxiation "	612.2323	Hautes	
membranes diseases of	616.11	¹ Alpes, " "	944.97
physiology	612.17	¹ Pyrénées " "	944.78
valvs anatomy	611.1263	¹ Havana history	972.91
Harte, F. Bret Am. fiction	813.45	travels	917.291
¹ Hartford city, Ct. history	974.63	Haven shorthand	653.56
conven. U.S. "	973.521	Haversian canals histol.	611.01843
¹ co. Ct. history	974.62		

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- ¹Havre, France history 944.25
travels 914.425
- Hawaii
annexation U. S. hist. 973.88
¹ history 996.9
travel 919.69
- Hawaiian
annexation treaty 973.86
language 499
- Hawes, S. Eng. poetry 821.25
- Hawkesworth, J: " essays 824.65
- Hawking . sports 799
business 639.1
- Hawkins, J: discov. of Am. 973.17
- Hawk
agricultural pest 632.682
captor zootechny 636.081113
- Hawsters ship outfit 623.86
strength of 620.11288
- Hawthorne, J. Amer. fic. 813.47
N. " " 813.33
- Hay** - agriculture 633.2
dry fodder zootechny 636.08554
fever diseases 616.202
gatherers 631.3532
making 631.553
rakes 631.3532
spreders 631.3531
stackers 631.3534
- Haybox cookers 643.338
- Hayracks 631.3735
- Hayes, R. B. presidency of 973.83
- Hayne, P. H. Am. poetry 811.42
- ¹Hayti history 972.94
travel 917.294
- Haze meteorology 551.57
- Hazelnut 634.54
- Hazing student life 371.82
- Hazlitt, W: Eng. essays 824.76
- Head, Headgear, etc., *see*
Hed, Hedgear, etc.
- Healing, divine 265.8
- Health, *see* Helth
- Hearing
acoustics 534.7
anatomy 611.85
asylums for def 362.4
diseases 617.8
ear hospitals 362.1
facial nerv 612.81974
localization of sense 612.82555
physiology 612.85
psychology 152.2
- Hearings
legislativ procedure 328.3742
- Heart, *see* Hart
- Hearth money pol. econ. 336.27
- Heat
agriculture 632.12
animal physiology 612.5
breeding zootechny 636.082451
diaphoretics 615.743
disinfection contag. dis. 614.483
effect on books 025.8
plants 581.54
engins air engins 621.41
food preservation 641.4
geologic agents 551.94
imponderable remedies 615.832
mesology physiology 612.01443
meteorology 551.52
muscular physiology 612.7455
of earth 525.2
moon 523.32
stars 523.82
sun 523.72
physics 536
physiologic effects 612.59
production, muscular 612.745
protection of animals 636.08362
slow, cooking by 641.588
thermochemistry 541.36
- Heaters, feedwater 621.1972
portable 644.19
- Heath sheep 636.333
- Heathen
apologetics against 239.3
art ecclesiology 246.2
missions to 266
philosofy vs the church 261.2
religions 290
salvation of 234
- Heathenism nonchr. relig.** 299
- Heating
apparatus dairy 637.1322
ilding 697
cheesemaking 637.3334
domestic economy 644
houses sanitary engin'g 628.8
libraries 022.8
milk preservation 637.1332
physics 536.83
practical chemistry 542.4
school bildings 371.628
shipilding 623.85
steam plants 621.19
systems dom. econ. 644.1

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Heaven	theology	237.4	Heiberg, P: A.	Dan. dram.	839.8258	
Heavenly bodies			Heidelberg	catechism	238.41	
figures of		521.14	¹	history	943.46	
rotation of		521.15		travels	914.346	
Heavy current engineering		621.31-.37	Heideschnucken		636.333	
Hebbel, F;	Ger. drama	832.77	Height, <i>see</i>	Hight		
Hebraic Sabbath		263.1	Heine, H;	Ger. poetry	831.75	
Hebrew ancient history		933	Heinrich von Veldeke		831.23	
⁴	language	492.4	Heinrije van Veldeke		839.3112	
⁵	literature	892.4	Heirs	law	347.6	
	religion	296	¹ Hejaz, Arabia	history	953.2	
Hebrews	epistles	227.87	Hektograf	offis appliances	652	
	modern history	296	Heldenbuch	Ger. poetry	831.29	
¹ Hebrides	"	941.17	das	K.v.d.Röhn	831.35	
¹	New	history	993.4	Heliand	Saxon epic poetry	839.2
		travels	919.34	Helicopters	aeronautics	629.176
Hebrides, sheep		636.3258	Heliocentric			
Hed			longitude and latitude		521.25	
ake	diseases	616.84	place		521.2	
anatomy		611.91	Heliografs, military		623.731	
art anatomy		743	Heliogravure	photog.	777	
boiler	steam engineering	621.18452	Heliometer	astronomy	522.45	
bones	anat.	611.714	Heliostat	"	522.58	
bursae	"	611.751	Heliotherapy	medicin	615.831	
craniology		573.7	Heliotropism	mesology	612.014447	
diseases		616	Heliotypes		774	
dress	customs	391.5	Heliozoa	zoology	593.13	
lymfatic glands	anat.	611.461	Helium group	chemistry	546.29	
lymfatics	"	611.4211	Hell	theology	237.5	
muscles	"	611.732	Hellebore	irritant poisons	615.93	
oblique muscles	"	611.7318	Hellenic languages, minor		489	
phrenology		139	Helmers, J. F.	Dutch poet.	839.3152	
surgery		617.51	Helminthology	zoology	595.1	
Hedakes	diseases	616.84	Help, <i>see</i>	Servants		
Hedberg, F.	Swed. dram.	839.7265	Helps, Sir A.	Eng. essays	824.84	
Heders		631.3543	Helps for laboring classes		331.85	
Hedge trimmer		631.3421	Helth			
Hedgear, indoor		646.48	affected by soil		614.77	
outdoor		646.5	boards of	local gov't	352.4	
Hedges	agriculture	631.27	pub. helth		614	
landsc. gardening		715	for library servis		023.54	
Heding	pruning	631.54213	laws	hygiene	613	
Hedjaz, Arabia	history	953.2	lift	therapeutics	615.82	
Hedonism	ethics	171.4	of students		371.71	
Hedstones	monuments	718	public		614	
mortu. design		247.3	resorts	hygiene	613.12	
Hedysareae	legume crops	633.376	Helths			
Heel	anatomy	611.986	drinking of	customs	394.1	
bone	"	611.71873	ethics		178.3	
scrape		631.3164	Hematin	physiology	612.11116	
Hegel	German filosofers	193.5	Hematoidin	"	612.11116	
Hegelund, P. J.	Dan. dram.	839.8233	Hematology, <i>see</i>	Blood		
Hegesias	Gk filosofers	183.5	Hematopoesis	physiology	612.119	
Heiberg, J. L.	Dan. dram.	839.8262				

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Hematopoietic		
action of spleen	612.411	
function of liver	612.356	
Hematoxylin physiology	612.11116	
Hematuria	612.46669	
Hemeralopia	612.8456	
Hemin	612.11116	
Hemiplegia paralysis	616.842	
Hemiptera insects	595.75	
Hemlock		
therapeutics	615.786	
Hemming dom. econ.	646.21	
Hemmingsen, N. Dan. misc.	839.883	
Hemocyanin physiol.	612.11118	
Hemoglobin blood	612.11111	
nutrition	612.3981452	
Hemoglobinuria physiol.	612.46669	
Hemolytic subst.	612.11145	
Hemophilin	612.11533	
Hemorrhage		
in labor obstetrics	618.54	
of the lungs diseases	616.234	
physiology	612.1162	
Hemorrhoidal		
artery, middle anat.	611.13774	
nervs, " "	611.839	
plexus "	611.1471	
Hemorrhoids diseases	616.35	
Hemostasia physiology	612.11621	
Hemp		
agriculture	633.53	
<i>See also distinguishing name</i>		
domestic economy	646.12	
engineering materials	620.197	
gathering	631.5565	
harvesters	631.3565	
manufactures	677	
Hen pigeons	636.59628	
¹ Henderson co. Ill. hist.	977.341	
¹ Hendricks co. Ind. "	977.253	
Henequen agave fibers	633.5771	
Henri Deux ware pottery	738	
Henry 1 Eng. history	942.023	
2 "	942.031	
Irish history	941.52	
3 Eng. history	942.034	
4 "	942.041	
5 "	942.042	
6 "	942.043	
7 "	942.051	
8 "	942.052	
Henry 1 French history	944.021	
2 "	944.028	
3 "	944.029	
4 "	944.031	
Henry 1 Ger. history	943.022	
2 "	943.022	
3 "	943.023	
4 "	943.023	
5 "	943.023	
6 "	943.024	
7 "	943.026	
¹ Henry co. Ill. history	977.338	
1 Ind. "	977.264	
1 Ia. "	977.795	
1 Mo. "	977.846	
1 O. "	977.115	
Ft. capture U.S.civ.war	973.7322	
naval hist. "	973.752	
Hens diseases of	619.5	
poultry	636.5	
Hepatic		
artery anatomy	611.13641	
circulation physiology	612.3515	
duct anatomy	611.362	
extract physiology	612.3516	
nervs anatomy	611.8393	
opotherapy physiology	612.35161	
steatoses, toxic "	612.3541	
vein anatomy	611.1464	
Hepaticæ botany	588.3	
Hepatitis diseases	616.36	
Hepatology physiology	612.35	
Heptarchy Eng. history	942.01	
Heraclitus Gk philosophy	182.4	
Heraldry	929.6	
¹ Herat, Afghanistan hist.	958.3	
trav.	915.83	
¹ Herauld, France history	944.84	
Herb doctors cures	615.855	
Herbaceous grafting	631.54137	
Herbal perfume plants	633.812	
Herbariums	580.7	
architecture	727.6	
Herberay, N: d' Fr. fiction	843.33	
Herbert, G: Eng. poetry	821.38	
Herblike fruits	634.77	
Herbs garden crops	635.7	
Herculeaneum description	913.377	
Herd		
books zootechny	636.0822	
character "	636.0821	
composition "	636.0823	
Herder, J; G. von Ger. poet.	831.64	
Herdwick sheep	636.3253	

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

¹Highland co. O. history 977.184
 Highland blackfaced sheep 636.3252
 Highlands, Scotland descr. 914.11
¹ hist. 941.1
 Highmore's body anat. 611.6315
 Hight
 of atmosphere 523.58
 buildings ground hyg. 614.784
 tide wave 525.65
 Hights, mesurem't survey'g 526.94
 Highway areas Eng. loc. gov. 352.0427
 bridges engin'g 624.12
 Highwaymen . law 343
 Highways
 administration 351.811
 law 347.2
 local government 352.7
 road engineering 625.7
 transportation 386
 travel on protec.of life 614.862
 Hil sowing 631.5313
 Hildebrand Italian hist. 945.03
 religious " 270.4
 Hildebrandslied Ger. poet. 831.11
 Hillhouse, J. A. Am. dram. 812.23
¹Hillsboro co. N. H. hist. 974.28
¹Hillsdale co. Mich. " 977.429
 Hilside plow 631.3124
 Hilsides reclamation 631.613
 Himalayan architecture 722.4
 Himalayas phys. geog. 551.43
 travel 915.42
 Himyaritic inscriptions 492.917
⁴ language 492.9
 Hindbrain anatomy 611.817
⁴Hindi language. 491.43
 Hindoo, *see* Hindu
¹Hindustan history 954
 Hindrances farming 632
 Hindu architecture 722.4
⁴ languages 491.1
 law 349.54
 philosophy 181.4
 religion 294
 Hinduism 294
¹Hindustan history 954
⁴Hindustani language 491.43
 Hinged
 arch bridge engin'g 624.68
 Hinnny domestic animals 636.183
 Hinterwald goat 636.393
 Hip
 anatomy 611.981
 bone 611.7181

Hip
 diseases of 616.7
 joint anatomy 611.7282
 muscles " 611.7381
 surgery 617.58
 Hipparion paleontology 569.7
 Hippias Greek philos. 183.1
 Hippocampal gyre anat. 611.81314
 sulcus " 611.81314
 Hippocrates strainer chem. 542.67
 Hippology *see* Horse
 Hipponax Greek satire 887.3
 Hippophagy hygiene 613.28
 Hippuric acid physiology 612.461266
 Hirudinidæ medicin 616.9688
 zoology 595.1
 Hirundinidæ " 598.8
 Histogenesis " 591.17
 Histology
 animals 591.8
 botany 581.8
 human anatomy 611.018
 of muscular contraction 612.7419
 Historians, English biog. 928.28
 Historic
 atlases 911
 books Bible 222
 charts and tables 902
 geografy 911
² magazines 905
 painting 756
 school econ. systems 330.154
 sermons 252.9
² societies 906
 theology 209
 History 900
 ancient 930
 constitutional 342
 ecclesiastic 270
 general modern 909
 literary, general 809
 modern 940-999
 natural 590
 naval, *see* spec. countries
 of civilization 901
 soil 631.49
 philosophy of 901
 sacred 220.9
 universal 909
² of special topics *see* subject
 Histrionics 792
 Hittites history 939.45
 Hives apiculture 638.1
 skin diseases 616.51

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Hjärne, Urban Swed. misc.	839.7832	¹ Holmes co. O. history	977.164
Hobbes materialism	146	Holmström, I. Swed. poetry	839.7134
Hobbies		Holocephali zoology	597.3
Hobkirk's hill, S.C. Am. rev.	973.3372	Holothuroidea "	593.96
¹ Hoboken, N. J. history	974.928	Holstein	
¹ Hochelaga co. Que. "	971.428	cattle domes. animals	636.2341
¹ Hocking co. O. "	977.183	¹ duchy of history	943.51
Hocky outdoor sports	796	Friesian cattle dom. anim.	636.2342
Hoe, grubbing	631.3116	horse dom. animals	636.143
horse	631.3162	¹ Holt co. Mo. history	977.8115
hand	631.3151	Holtz machine electricity	537.2
Hoeing tillage	631.515	Holy	
Hoffmann, E. T. W.; Ger. fict.	833.64	alliance European hist.	940.28
Hofmannswaldau " poet.	831.55	communion	265.3
Hog		Eastern church	281.9
diseases of	619.4	Ghost, knights of	929.716
domestic animals	636.4	theology	231.3
engin engineering	621.13262	grail legends	398.2
stys air pollution	614.762	land history, ancient	933
Hohenstaufen, house of		" mod.	956.9
German history	943.024	pre-Israel. hist.	939.45
Hohenzollern " "	943.49	travels	915.69
Hoijer, B:K:H. Sw. essays	839.7461	leag French history	944.029
Hoisting engins min. eng.	622.67	offis persecutions	272.2
machinery. "	621.86	Span. hist.	946.04
mining engin'g	622.6	orders church	265.4
of water mining	622.55	Roman empire	943
Hoists		rood ecclesiology	247.9
blocks and tackle	621.862	scriptures	220
hydraulic	621.263	see	282
projectil ordnance	623.4364	Spirit theology	231.3
Holberg, L. Dan. dram.	839.8241	war thret Great war	940.315297
Hölderlin, J: C. F.; Ger. poet.	831.67	water ecclesiology	246.6
Holderness cattle	636.2831	Homage feudalism	321.3
Holdover		Home, H: English essays	824.62
members legislatures	328.3356	J: " dram.	822.64
Holiday		Home	
opening library econ.	024.43	customs	392
work " "	023.633	domestic economy	643
Holidays		economics	640
customs	394	education library econ.	021.4
hygiene	613.77	of girls	376.3
laboring classes	331.817	self-education	374
library economy	023.65	vs school	373.11
school education	371.23	life ethics	173.7
Holiness doct. theology	234.8	meals domest. econ.	642.1
Holland, J. G. Am. essays	814.34	missions	266
Holland, see also Netherlands		relations customs	392.3
Holland swine	636.434	rule Irish history	941.58
Hollow tile		polit. parties	329.942
construction bilding	693.4	study, societies for	374.43
floors arch. construc.	721.63	use of books lib. reg.	024.6
Holly system waterwks	628.12	woman in	396.6
Holmes, O. W. Am. humor	817.32		

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Homeopathy therap.	615.53	Hood, Robin legends	398.2
Homer Greek poetry	883.1	T: Eng. humor	827.72
Homeric hymns	883.1	Hoods, academic	378.29
Homers pigeons	636.59635	domestic econ.	646.55
Homes		Hoof, C. Dutch drama	839.3232
country architecture	728.6	Hoogvliet, Arn. " poetry	839.3143
for aged architecture	725.56	Hook bone anatomy	611.71778
poor, city "	728.11	Hooks, bill	631.3424
country cottages	728.68	grass	631.3511
tenem'ts	728.12	pruning	631.3422
hygiene	613.51	reaping	631.3511
soldiers architecture	725.59	strength of engin'g	620.1128
institutions	362.8	weed	631.3155
Washingtonian architec.	725.65	Hookworm disease pathol.	616.965
working girls institu.	362.8	pub.health	614.55
pol. econ.	331.83	Hooping cough diseases	616.204
Homestead bill U. S. law	347.2	Hoops, gun ordnance	623.4233
Homicide law	343	strength of engin'g	620.1128
Homiletics theology	251	Hoopt guns ordnance	623.4216
Homilies sermons	252	Hoosac tunnel engin'g	622.26
Homoeopathy	615.53	Höpken, A. J. von Swed. misc.	839.7845
Homiothermic animals,	612.39196	Hopkinsianism Calvinism	284.2
Homologies biology	574	Hopkinson, Francis Am. sat.	817.14
botany	581.4	Hops agriculture	633.89 6
zoology	591.4	brewing	663.3
Homonyms Eng. philol.	424	Horace Latin lyric poetry	874.5
Homopolar mach. elec. eng.	621.313291	satire	877.3
Homoptera entomology	595.75	Hordeae grass crops	633.289
Hondt system suffrage	324.224	Horizon, artificial	522.57
Honduras		Horizontal marine engins	621.11224
¹ British history	972.82	steam "	621.11242
¹ Central America hist.	972.83	Horn organic chemistry	547
trav.	917.283	wind instrument	788.4
turkey	636.59213	Hornbill birds	598.8
Honesty ethics	174.7	Horned cattle agriculture	636.2
Honey agriculture	638.1	dorset sheep	636.3233
Honeymoon customs	392.5	Norfolk sheep	636.3235
¹ Hong Kong, China hist.	951.2	Horneck, O. von Ger. poet.	831.31
trav.	915.12	Hornet	
¹ Honolulu history	996.9	and Peacock U. S. hist.	973.5257
travels	919.69	Penguin "	973.33155
Honor		Hornless Spanish goat	636.396
business ethics	174.7	Horns anatomy	611.788
military	355.13	drinking customs	394.1
roll of Great war	940.467	gray spinal cord	611.822
U. S. civ. war	973.767	Horology astronomy	529.7
student	371.81	watchmaking	681
system school gov't	371.59	Horoscope astrology	133.5
Honorary		Horse	
degrees colleges	378.25	artillery mil. engin'g	623.431
titles heraldry	929.7	captor zootechny	636.081113
Honors		cars railroad eng.	625.6
Great war 1914-19	940.46	cruelty to	179.3
military science	355.13		

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Horse			Host eucharist	265.3
cultivators		631.3162	Hostilities, <i>see</i> War	
diseases	veterin. med.	619.1	Hot	
domestic animals		636.1	air baths	hygiene 613.46
fertilizers		631.861	engins	621.41
hoe		631.3162	heating	bilding 697.3
pox	diseases	616.955	treatment	615.832
racing	amusements	798	drinks	hygiene 613.37
	ethics	175.7	houses	agriculture 631.5445
railway	engineering	625.6	flower culture	716.3
	sociology	386	springs	physical geol. 551.23
	useful arts.	656	water heating	697.4
rollers		631.3141	wether cookery	641.592
shoeing	trade	682.1	Hotblooded horses	636.12
	zootechny	636.0834	Hotbeds	
training	dom. animals	636.1	forcing	631.5443
zoology		599.7	protection	631.3443
Horseman pigeons		636.59631	Hotchkiss	
Horsemanship		798	gun	ordnance 623.4225
Horsepower, locomotiv		621.1311	revolving cannon	623.42242
Horseradish		633.846	Hotels	
Hortatory theology		243	architecture	728.5
Horticultural societies		716	cookery	641.572
	agric.	630.6	family	architecture 728.2
Horticulture	agriculture	630	housekeeping	647.94
	art	716	hygiene	613.52
Hose	fire engins	614.846	Hottentots	description 916.87
Hosea	Bible	224.6	Houdan fowls	636.542
Hosiery	clothing	646.42	¹ Houghton co. Mich. hist.	977.499
	costumes	391.4	Hour glasses	horology 529.78
	manufacture	677	system	lib. econ. 023.64
Hospice of St Bernard			Hours	
protec. of life		614.87	late	hygiene 613.79
Hospital			library	regula. for read. 024.3
cookery	dom. econ.	641.563	meal	lib. econ. 023.62
gangrene	diseases	616.941	of labor	dom. econ. 647.7
ships	shipbilding	623.826	newspaper offis	070.315
sketches	Great war	940.476	polit. econ.	331.81
	U. S. civ. war	973.776	servis	lib. econ. 023.61
training	schools	610.73	teachers	371.166
Hospitalers	knights	929.711	school	371.24
Hospitality	ethics	177.1	House	
Hospitals			bilding	690
and asylums	arch.	725.5	care of	dom. econ. 648.5
Great war	1914-19	940.476	cleaning	" " 648.5
hygiene		613.56	connections	sewerage 628.252
institutions		362	domestic economy	643.
U. S. history	civil war	973.776	drainage	sewerage 628.6
	Mex. "	973.627	drains	" 628.235
	revolution	973.376	flies	domestic pests 648.7
	Span. war	973.897	furnishing	dom. econ. 645
	war of 1812	973.527	garments	" " 646.43
			of commons	English 328.42

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- House
 of correction 364
 lords English 328.42
 refuge 364
 representatives U. S. 328.73
painting bilding 698.1
 repairs dom. econ. 643.7
sanitation " " 648.5
 tax real estate 336.22
 wiring elec. lighting 621.3282
- Household
 accounts dom. econ. 647.1
administration 647
 art decoration 747
organization 647
 registers of servants 647.29
 servis, indoor 647.25
 outdoor 647.3
- Housekeeper dom. econ. 647.21
- Housekeeping** 640
 cooperation 334.4
 schools dom. econ. 640.7
- Houses
 architecture 720
 care zootechny 636.0832
 disinfection in cont. dis. 614.48
 farm 631.21
 feeding in zootechny 636.08426
 flues in sewerage 628.233
 hygiene 613.5
 noble heraldry 929.7
 pipes on sewerage 628.234
 society student life 371.86
- Housewifery** 640
- Housing
 of animals hygiene 614.94
 zootechny 636.0831
 laboring classes 331.83
- Houston's valvs rectum 611.351
- Houwaert, J.B. Dut. poet. 839.3125
- Hovenia 634.661
- Howard, H: Eng. poet. 821.28
- ¹Howard co. Ind. hist. 977.285
¹ " Ia. " 977.731
¹ " Md. " 975.281
¹ " Mo. " 977.8285
¹Howell co. Mo. " 977.885
- Howells, W: D. Am. fic. 813.43
- Howe's campaign** Am. rev. 973.3336
- Howitzer mounts ordn. 623.4322
- Howitzers " 623.4213
- Hubbard squash 635.622
- Hubbardton, Vt. Am. rev. 973.3332
- Huckleberry** 634.73
- Huckster licenses local gov. 352.8
- Hudson
¹ bay territory history 971.2
¹ co. N. J. " 974.926
 river campain Am. rev. 973.3321
 description 917.47
- Hudson's, H: voyage
 N. Y. hist. 974.7
 U. S. " 973.21
- Huerta, V.A.G. de la 861.43
- Huet, C. B. Dutch essays 839.3455
- Hugh Capet Fr. history 944.021
- Hughes printing telegraf 621.38253
- Hugo, V. M. Fr. drama 842.78
 " fiction 843.78
 " poetry 841.78
- Huguenots
 church 284.5
 lives 922.4
 persecutions 272.4
- Hulsean lectures apologet. 239.03
- Human
 ability doctrinal theol. 233.4
anatomy 611
 body art anatomy 743
 temperature 612.56
 and mind 130
 depravity doct. theol. 233.1
 excreta fertilizer 631.86
faculties psychology 150
 figure perspectiv 515.67
habitations hygiene 613.5
life protec. fr. accident 614.8
locomotion physiol. 612.766
mind psychology 150
nature dogmatics 233
 mental charac. 136
physiology 612
 power agriculture 631.3711
 race ethnology 572
 resorts hygiene 613.5
 rights pol. science 323
 sacrifice nonchrist. relig. 290
- Humane societies** 179.2
- Humanism literature 880.7
- Humanism philosophy 149.9
- Humanitarianism sects 288
 theol. 230.8
- Humanity ethics 177.7
- Humanized vaccination 614.4732

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Humbert Ital. hist.	945.09	'Huron co. Mich.	"	977.444
¹ Humboldt co. Ia. hist.	977.727	' O.	"	977.125
Humbugs delusions	133.7	' Ont.	"	971.322
Hume, D: Eng. essays	824.64	Huronian strata geology		551.71
philosophy	192.4	Hurricanes		551.55
Humeral artery anatomy	611.1342	Husband and wife ethics		173.3
Humero-		law		347.6
radial joint anatomy	611.72733	Husbandry agriculture		630
spinal muscles "	611.7311	Husbands, duties of eth.		173.3
ulnar joint "	611.72731	Husk tomato		635.647
Humerus "	611.7174	Huskers		631.3613
Humidity		Husking, corn		631.5613
soil	631.432	Hussites Christian sects		284.3
Humility ethics	179.9	Hutlegen fowls, Belgian		636.548
Humiriaceæ botany	583.213	Huydecoper, Balthaser		
Humming birds zoology	598.8	Dutch drama		839.3243
Humor		Huygens, Constantijn		
American literature	817	Dutch poetry		839.3134
revolution	973.396	⁴Huzwaresch language		491.53
aqueous anatomy	611.8449	Hvitfeld, Arild Dan. mis.		839.883
physiology	612.8444	Hyaloid canal anat.		611.8447
⁵ English literature	827	membrane "		611.8447
Great war 1914-19	940.436	Hybrid turnip		633.425
library	020.88	Hybrids		
U. S. civil war	973.796	animals zoology		591.158
war of 1812	973.5296	zootechny		636.082431
vitreous anatomy	611.8447	plant breeding		631.523
physiology	612.8447	plants botany		581.158
Humoral pathology	616.4	Hydatids of Morgagni		611.633
Humorists, Eng. biografy	928.27	parasitic diseases		616.964
Hundred days Fr. hist.	944.05	¹ Hyderabad, India history		954.9
Hungarian fowls	636.538	Hydragogs cathartics		615.7324
goat	636.393	Hydrations		
language	494	in organisms		612.01536
merinos	636.36737	mesology		612.0144612
sheep	637.373	Hydraulic		
swine, curly	636.472	brakes gun mounts		623.43563
shorteared	636.432	elevators engineering		621.8774
¹ Hungary history	943.91	lib. bldgs		022.954
Hunger and thirst physiol.	612.391	engin mech. engin'g		621.25
Huns history	950	physics		532.82
Hunt, Leigh Eng. essays	824.77	engineering		627
¹ Hunterdon co. N. J. hist.	974.971	sanitary		628
Hunters horses	636.13	giant engineering		621.269
Hunting business	639.1	machinery		621.26
sport	799	mining engineering		622.32
suits dom. econ.	646.47	motors		621.2
training zootechny	636.088662	press		621.266
¹ Huntingdon co. Pa. hist.	974.873	physics		532.82
' Que. "	971.431	pressing printing		655.33
¹ Huntington city, W. Va "	975.4421	ram engineering		621.27
' co. Eng. "	942.56	Hydraulics science		532
' Ind. "	977.271	Hydrizo bodies chem.		547.8

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Hydrocarbons	chem.	547.2	Hyginus, C. J.	Latin poet.	871.3
	mineral	549.8	Hygrometry	meteorology	551.57
Hydrocele	diseases	616.68	Hygrosopic moisture	agric.	631.432
Hydrocephalus	"	616.82	Hylozoism	metaphysics	146
Hydrocharideæ	botany	584.11	Hymen	anatomy	611.672
Hydrochloric acid	physiol.	612.3233	Hymenomyces	botany	589.222
Hydrodynamics			Hymenoptera	fossils	565.79
	physics	532.5		insects	595.79
	water engines	621.2		pests	632.79
Hydroelectric plants		621.312134	Hymn tunes	music	783.9
Hydrogen			Hymnody	"	783.9
	carburetted pub. helth	614.722	Hymnology	sacred theol.	245
	chemistry	546.11	Hymns	Homeric	883.1
Hydrogeology		551.92		hymnology	245
Hydrografy	surveying	526.99	Hyoid bone	anatomy	611.7165
Hydroidæ	zoology	593.71		muscles	611.734
Hydrokinetics		532.5	Hyperæ-, see	Hyper-	
Hydrology		551.46	Hyperbola	analytic geom.	516.24
Hydrolytic ferments				geometry	513.24
	physiologic chemistry	612.01512	Hyperbolic func.	calculus	517.36
Hydromechanics		532	Hyperboloid	analyt. geom.	516.44
Hydromedusæ	zoology	593.71	Hyperboreans	Gk mythol.	292
Hydrometry			Hyperdulia	Rom.cath.theol.	230.2
	specific gravity	chem. 542.33	Hyperelliptic func.	calculus	517.36
		physics 532.4	Hyperemia	diseases	616.1
	velocity	" 532.57	Hyperesthesia	"	616.856
Hydropathy		615.853		physiology	612.887
Hydrophobia			Hypericineæ	botany	583.162
	diseases	616.953	Hyperides	Gk oratory	885.7
	protectiv inoculation	614.477	Hypermetamorphosis	zool.	591.35
	public helth	614.563	Hypermetropia	physiol.	012.8452
Hydrophyllaceæ	botany	583.764	Hypertrophies	skin dis.	616.54
Hydrostatics		532	Hypnotics	therapeutics	615.782
Hydrotherapy		615.853	Hypnotism	mesmerism	134
Hydrotimetry	chem. anal.	543.3		phys.psych	612.82171
Hydrous			Hypoblast	embryology	611.01337
	silicates	mineralogy 549.65	Hypochondria		
	sulphates	" 549.76		medicin	616.852
Hydrozoa	zoology	593.7		mental disease	132.3
Hygiene			Hypodermic injections	med.	615.63
	mental	131	Hypogastric		
	military	613.67		glands	anatomy 611.4651
	naval	613.68		nervs	" 611.839
	of air and ground	614.7		region	" 611.957
	animals	pub. helth 614.9		veins	" 611.1471
		zootechny 636.0893	Hypoglossal		
	occupation	613.6		nerv	anatomy 611.83193
	pregnancy	obstetrics 618.24			physiology 612.81993
	travel and exploration	613.69		nucleus	anatomy 611.8189
	personal	613	Hypopharynx	"	611.3273
	prison	613.57	Hypophysis	"	611.8143
	public	614		physiology	612.492
	school	education 371.7	Hypothalamus	anatomy	611.8141
	vocal	784.9	Hypotheses	logic	167

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Hypothesis, nebular	523.12	I beams	engineering	620.11282
Hypothetic		I.W.W.	anarchy	335
sentences	Eng. gram. 425.4		labor organizations	331.88
Hypsometry	phys. geog. 551.53	Iamblichus	Greek philos.	186.4
Hyracoidea	mammals 599.6	Iberia, Asia	anc. hist.	939.54
Hyrax	" 599.6	Iberville co. Que.	hist.	971.461
Hyrcania	ancient history 939.62	Ibsen, Henrik	Dan. dram.	839.8266
Hysteria	diseases 616.852	Ice		
Hysterics	ment. derange. 132.5	age	geology	551.79
Hysterology	425.3	breakers	shipbuilding	623.828
Hysterotomy	obstetrics 618.86	dealers	trades	689
		erosion and deposition		551.3
		formation of		551.57
		frost	geologic agents	551.91
		houses	architecture	728.97
		impure	hygiene	613.32
		manufacture		621.58
		meteorology		551.57
		packing for the ded		614.64
		sports		796
		trade	economics	338.3
		Icebergs	physical geog.	551.34
		Icecream	dom. econ.	641.86
		Iceland		
		discovery	Scand. hist.	948.02
		¹ history		949.1
		⁴ language		439.6
		⁵ literature		839.6
		sheep		636.372
		Ices	domestic economy	641.86
		Ichneumonidae	pests	632.79
			zoology	595.79
		Ichnology	paleontology	566
		Ichthyology		597
		Ichthyopterygia	reptils	598.15
		Iconoclasts	heathen art	246.3
		Iconografy		730
			Christian	246
		Iconology	emblems	246.5
		Icterus	diseases	616.36
			pediatrics	618.9
			physiology	612.35765
		¹ Ida co. Ia.	history	977.742
		Idaho U. S.		
		admission	U.S.hist.	973.86
		¹ history		979.6
		mil. hist.	U.S.civ.war	973.7496
		war with Spain		973.89496
		Ideal state	pol. sci.	321.07
		Idealism	philos. system	141
		Idealistic painting		753
		Idealized dance music		786.45
		Ideals, library		021.03
			for special places	021.04

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- Ideas, innate psychology 156
 Identity, mistaken law 347.94
 personal 126
 Idiocy 132.2
 Idiom neutral univ. lang. 408.9
 *Idioms Eng. language 423.1
 Idiosyncrasies, mental 137
 Idiosyncrasy
 influence of therapeu. 615.57
 Idiots
 asylums 362.3
 architecture 725.53
 child study 136.7622
 schools 371.92
 Idleness ethics 179.8
 Ido univ. lang. 408.9
 Idolatry nonchrist. relig. 290
 Idumæa ancient history 939.46
 Idyllic orchestral music 785.3
 vocal music 784.3
 Iffland, A; W; Ger. drama 832.65
 Iglesias de la Casa, J. 861.47
 Igneous rocks lithology 552.1
 Ignition devices gas engines 621.437
 Iguanodon fossils 568.19
 Ihre, Johan Swed. miscel. 839.7843
 Iland of Reil anat. 611.81319
 Ilands
 isolated history 997
 of Langerhans anat. 611.377
 physiol. 612.349
 physical geografy. 551.42
 for special Ilands see name
 Iliac
 arteries anatomy 611.137
 glands " 611.4651
 muscle " 611.73812
 veins " 611.147
 Iliad Greek epic poetry 883.1
 Illicineæ botany 583.269
 Ilio-
 cecal valv anatomy 611.3451
 costal muscle " 611.73131
 femoral ligament " 611.7282
 hypogastric nerv, great 611.83541
 inguinal nerv anat. 611.83542
 psoas muscle " 611.73811
 Ilium " 611.344
 bone " 611.71811
 *Ille et Vilaine, Fr. hist. 944.15
 Illecebraceæ botany 583.912
 Illega
 practises legislation 328.367
 voting suffrage 324.272
 Illegitimacy law 347.6
 Illinois, U. S.
 admission U. S. hist. 973.54
 ¹ history 977.3
 For military history, see
 973.52473, 973.7473 and
 973.89473
 travel 917.73
 Illiteracy public schools 379.2
 spelling reform 421.4
 suffrage 324.14
 Illuminated books 096
 manuscripts 091
 Illuminati society 366.4
 Illuminating
 apparatus microscopes 578.5
 engineering 628.9
 gases air pollution 614.723
 chem. tech. 665.7
 inspection of 614.835
 Illumination
 decoration 745
 electric 537.83
 engineering 621.32
 engineering 628.9
 house lighting 644.3
 instruments, astronomy 522.55
 microscopy 578.5
 sacred ornamentation 247.4
 Illusions, mental 133.2
 optic physiology 612.84374
 sensory " 612.82189
 Illustrated books rarities 096
 Illustrations
 of books printing 655.32
 publishing 655.53
 rare 096
 Illustrativ
 material Great war 940.49
 U.S. civ. war 973.79
 Mex. " 973.629
 revol. " 973.39
 war 1812 973.529
 orchestral music 785.2
 Illyria ancient history 939.87
 antiquities 913.3987
 Image worship idolatry 290
 Images in churches ecclcs. 246.3
 Imaginaries, calculus of 517.8
 Imaginary
 books 098
 expressions algebra 512.24
 imprints 014
 quantities algebra 512.24

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Imagination				Implied powers	pol. sci.	328.253
in art	701			Imponderable remedies	ther.	615.83
science	501			Importance		
influence on body	615.851			of labor	polit. econ.	331.013
mental faculties	155			Importation		
physiologic psychology	612.8212			duty free for colleges		337.8
Imbecility	ment. derange.	132.2		libraries		021.861
Imbecils, <i>see</i> Idiots				of books	lib. economy	025.221
Imbibition	physiology	612.381		Imports	commerce	382
Imitation	education	370.15		duty on		337
Immaculate conception				Imposition	printing	655.27
of Christ		232.1		Impostors	humbugs	133.7
Mary		230.2		Impotence	diseases	616.69
Immersion				Impoverishment of soil		631.45
baptism		265.1		Imprecations	ethics	179.5
baptist doctrins		230.6		Impregnation	physiology	612.63
sects		286		zotechny		636.082454
Immersionists	sects	286		Impressionist painting		759.9
biografy		922.6		Impressment, military		355.22
Immigrants	colonies	325.1		of seamen		359
Immigration		325		Imprints, fictitious		014
Immoral				Imprisonment	punishm'ts	343.2
art	ethics	176.7		Improvisation	org. music	786.87
literature	lib. exclusion	025.217		Impulse		
restriction		024.674		of water	hydraulics	532.58
Immortality				physiologic psychology		612.82134
conditional		237.3		turbins	water motors	621.247
doctrinal theology		237.2		Impure ice	hygiene	613.32
metaphysics		128		Impurities		
natural theology		218		butter		637.26
of animals		591.51		foods	public helth	614.3
Immunity against venoms		612.3143		milk		637.16
diplomatic		341.7		of well water	hygiene	613.32
legis. prerogs.		328.348		waterworks		628.16
Impact	engineering	620.1125		Inability, human	theol.	233.4
Impeachment				Inanition	animal heat	612.543
administration		351.99		nutrition		612.391
constitutional law		342		Inarching	agric.	631.5416
criminal law		343		Inaugurations	ceremonies	394.4
legislativ investigation		328.345		Inbreeding	zotechny	636.08241
procedure		328.3791		Incandescence	heat	536.45
Imperfections	crystallog.	548.4		Incandescent		
zotechny		636.08115		lighting	elec. eng.	621.326
Imperial				gas		628.9
federation	Great Britain	354.4201		vapor lighting	elec. eng.	621.327
robes	ceremonies	394.4		Incantations		133.4
Imperialism	pol. sci	321.03		Incapacity	suffrage	324.171
Implements				Incarnation	Christology	232.1
agricultural		631.3		Incoas	history	985
domestic labor savers		643.6		Incendiary devices	mil. eng.	623.45431
kitchen		643.3		Incense	ecclesiology	247.9
laundry		648.1		Incest	crim. law	343
ordnance		623.463		physiology		612.607
primitiv		571		Inchbald, Mrs E..	Eng.dram.	822.67

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Incineration			India		
of ded public helth	614.62		antiquities ancient	913.34	
garbage san. engin'g	628.44		modern	913.54	
Incised wounds surgery	617.141		architecture	720.954	
Inclination of equat. to eclip.	525.51		ancient	722.4	
Inclined			Mohammed.	723.3	
marine engins	621.1224		botany	581.954	
plane canal engin'g	626.5		¹ British history	954	
machines	531.85		¹ Farther "	959	
steam engins	621.11246		finance	336.54	
Inclines railroad engin'g	625.3		geology	555.4	
Inclosed arc elec. lighting	621.32543		history, ancient	934	
Income			¹ modern	954	
public finance	336		maps	912.54	
student	378.36		rubber manufactures	678	
tax finance	336.24		schools, public	379.54	
law, decis. U.S.hist.	973.87		statistics	315.4	
Incompetency suffrage	324.171		travel	915.4	
Incomplete			other topics see table 1		
coalescence deform.	617.32		Indian		
development "	617.31		¹ archipelago history	991	
Increase plant culture	631.5472		bureau U. S. admin.	353.3	
Incrustation			corn agriculture	633.15	
architectural decoration	729.6		cress	635.566	
steam boilers	621.1944		depredations Am. revol.	973.3344	
Incubation zootechny	636.08247		⁴ East, languages	491.1	
ncubators "	636.082474		modern languages	491.4	
Incunabula book rarities	093		fig	634.7754	
Incurables			game poultry	636.58814	
hospitals for	362.1		goose	636.59886	
architec.	725.51		hemp	633.567	
Incus anatomy of ear	611.857		legends	398.2	
Indelible inks chem. tech.	667.4		missions	266	
Indemnity internat. law	341.3		mortality pub. helth	614.144	
Independence, Am. U.S.hist.	973.313		mutiny Sepoy rebellion	954	
day schools	371.365		ocean physical geog.	551.467	
Independency ch. polity	262.8		travels	910.4	
Independent angles geod.	526.51		philosofers	181.4	
Independents sects	285.9		pony	636.168	
Indeterminate			religions	299.7	
equations algebra	512.23		runner duck	636.59722	
forms calculus	517.22		¹ territory, U. S. history	976.6	
Indeterminism			Indian wars in U. S.		
mental faculties	159		eastern	973.24	
Index			French and indian	973.26	
error prac. astronomy	522.38		Harmar's expedition	973.42	
expurgatorius rarities	098		King Philip's	973.24	
making literary meth.	029.5		William's	973.25	
rerums "	029.5		Modoc	973.82	
Indexes biblical concord.	220.2		Pequot	973.22	
see subject index			Queen Anne's	973.25	
India			St Clair's expedition	973.42	
administration	354.54		Seminole, first, 1818	973.541	
			2d, 1835-42	973.571	

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Indiana, U. S.		
admission U. S. history	973.51	
¹ history	977.2	
For military history see		
973.52472, 973.7472 and		
973.89472		
travel	917.72	
¹ Indiana co. Pa. hist.	974.889	
¹ Indianapolis, Ind. "	977.252	
Indians, American	970.1	
biografy	970.2	
British allies Am. revol.	973.343	
U.S.war 1812	973.5242	
education of	371.975	
ethnology	572.897	
language	497	
literature	897	
Y. M. C. A.	267.366	
⁴ Indic languages	491.1	
Indicators		
library economy	025.6	
steam power plants	621.1977	
Indictments criminal law	343.1	
¹ Indies, East, Dutch hist.	991	
travel	919.1	
Indifference lib. staf rules	023.96	
Indigestion medicin	616.33	
Indigo chem. tech.	667.2	
Idiosyncrasy psychology	137	
Indirect heating chem.	542.46	
voting suffrage	324.249	
Indium chemistry	546.67	
Individual		
instruction education	371.394	
legislators restrictions	328.343	
rights pol. sci.	323.4	
soul, origin of	129	
Individualism pol. econ.	330.1	
sci.	323.4	
Individuals		
and the state	172.1	
bibliografy	012	
Indo-		
European languages, minor	491	
literatures "	891	
Germanic languages "	491	
Indoor amusements	793	
grafting	631.5418	
servis dom. econ.	647.25	
Indorsement law	347.4	
¹ Indre, France hist.	944.55	
¹ et Loire, France "	944.54	
Induced draft steam eng.	621.18384	
Induction		
balance electricity	537.24	
coil physics	537.51	
Induction		
coils elec. engin'g	621.3147	
telephone	621.3864	
generators elec. eng.	621.31363	
logic	160	
magnetism	538.2	
motors elec. engin'g	621.31364	
of labor obstetric oper.	618.88	
potential regulators	621.31452	
reasoning faculty	153.6	
spark electricity	537.52	
telegrafy elec. eng.	621.38294	
Inductiv logic	161	
sciences	500	
Indulgencies Roman ch.	282	
doct.	230.2	
Industrial		
arbitration	331.1	
arts	600	
classes political econ.	331	
depressions " "	338.8	
diseases, see Occupations		
drawing	744	
economy	330	
education	371.42	
exhibitions	606	
history	609	
hygiene	613.6	
insurance	368	
legislation political econ.	338.9	
management	658	
museums	606	
nuisances law	347.5	
public helth	614.7	
sanitation	628.5	
schools	607	
statistics political econ.	331	
workers of the world		
anarchy	335	
labor organizations	331.88	
Industries chemic tech.	660	
mil. resources	355.26	
primitiv	571	
useful arts	600	
Industry ethics	179.9	
Inebriate asylums archit.	725.65	
Inebriate asylums	362.8	
Inebriates temperance	178.6	
Inebriety diseases	616.861	
Inequality, diurnal, of tides	525.63	
Infallibility		
divine	231.6	
of the church	262.8	
papal eccles. polity	262.13	
Roman doctrin	230.2	

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- Infallibility**
 Roman church 282
 schism Old catholics 284.8
- Infancy, psychology of** 136.72
- Infant**
 baptism 265.1
 education elemen. educ. 372
 mortality public helth 614.132
 ration physiology 612.3942
 salvation 234
 therapeutics 615.54
- Infantado sheep** 636.364
- Infanticide**
 customs 392.2
 ethics 173.4
 law 343
- Infantil paralysis diseases** 616.83
 pub. helth 614.54
- Infantalism pediatrics** 618.9
- Infantry army** 356
- Infants**
 care of 618.6
 diseases of 618.9
 food for hygiene 613.22
 nursery 649.3
 stillbirth obstetrics 618.39
 vital statistics 614.131
- Infections**
 etiology 616.01
 function of spleen 612.416
 protection agst san. eng. 628.513
 public helth 614.4
- Infectious diseases**
 of domestic animals 614.91
 pathology 616.91
 public helth 614.4
 special 614.5
- Infernal machines manif.** 662.2
- Inferno lib. economy** 024.674
- Infidelity natural theol.** 211
- Infiltration**
 of water mining eng. 622.51
- Infinite metaphysics** 125
- Infinitesimal calculus** 517.1
- Infinitiv English syntax** 425.8
 Greek " 485.8
 Latin " 475.8
 other languages
- Infirm, care of dom. econ.** 649.8
- Infirmaries architecture** 725.51
 hospitals 362.1
 school bldgs 371.625
- Inflammation physiology** 612.556
 surgery 617.22
- Inflammatory affec. of skin** 616.51
- Inflation**
 apparatus aeronautics 629.161
 paper money 332.5
¹Infection English philol. 425.1
- Influence**
 civil servis reform 351.6
 educ. of phys. training 371.731
 of college education 378.01
 on women 376.64
 kindergarten 372.22
 personal, of teachers 371.102
 sectarian pub. schools 377.1
- Influenza diseases** 616.203
 public helth 614.5
- Infraorbital nerv anat.** 611.831542
- Infraspinatus muscle "** 611.73713
- Infundibula "** 611.639
- Infundibulum anat.of brain** 611.8143
- Infusoria zoology** 593.15
- Infusorial earth econ.geol.** 553.69
 petrografy 552.57
- Ingemann, B. S. Dan.poet.** 839.8162
- Ingenuity inventions** 608
- Ingersoll, C. J. Am.drama** 812.24
- ¹**Ingham co. Mich. history** 977.426
- Ingram's rebellion Va. hist.** 975.5
- Inguinal glands anat.** 611.4681
- Inhalation**
 administrat'n of med. by 615.64
 of dust hyg. of occupat'n 613.63
 gases " " 613.62
- Inheritance law** 347.6
 of soul metaph 129.2
 tax 336.27
 see also Heredity
- Inherited**
 disease hygiene 613.93
 mental disability " 613.92
 traits 136.3
- Inhibition**
 nervous system 612.8011
 physiologic psychology 612.82134
- Initials bibliografy** 014
 decoration 745
- Initiativ democracy** 321.4
 pol. sci. 328.261
- Injection pumps hyd. mach.** 621.267
- Injections**
 collectors manuals 579.3
 hypodemic 615.63
 intra-utein obstetrics 618.89
 medicin 615.6
 physiology 612.11812

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Injectors	steam engin'g	621.1973	Inorganic		
Injured, aid to, protec. of life		614.88	drugs	materia medica	615.2
Injuries			liquids	physical chem.	541.326
agriculture		632	substances, analysis of		543.7
effects of diseases		616.98	Inquests, coroners		
results of surgery		617.2	Inquiries		
surgery		617.1	parliamentary legislation		328.372
to library books	rules	024.8	Inquisition	persecut. by	272.2
	shelf dept	025.8		Span. hist.	946.04
torts		347.5	Insane		
Injurious			asylums	architecture	725.52
animals	agriculture	632.6	criminal	law	340.6
	zoology	591.65	hospitals		362.2
insects	agriculture	632.7	lives of		920.8
occupations	hygiene	613.6	Insanity	law	347.1
plants	agriculture	632.5		mind and body	132.1
	botany	581.65		nervous diseases	616.8
Ink, colord, for books		655.26	Inscriptions, comparativ		417
manufacture		667.4		Eng. language	421.7
Inland			Insect powders		648.7
navigation	engineering	626	Insecta parasitica		
	transportation	656	ectozoa		616.9681
quarantine	pub. helth	614.462	entozoa	diseases	616.967
seas	physical geograpy	551.48	Insecticides	agriculture	632.951
	tides on	525.66		dom. econ.	648.7
Inlay	architec. decor.	729.63	Insectifuges	" "	648.7
	art furniture	749	Insectivora	mammals	599.3
Inlets	sewerage	628.255	Insects		
Innate ideas		156	fertilization of plants		581.16
Innervation			injurious	agriculture	632.7
center of	physiology	612.834		library econ.	025.8
of hart	"	612.178 1		zoology	591.65
iris	"	612.8193	metamorphosis	embryol.	591.34
large intestin	"	612.368		variation	591.151
liver	"	612.358	paleontology		565.7
lungs	"	612.28	productiv	agriculture	638
lymphat. syst.	"	612.425	zoology		595.7
uterus	"	612.6278	Insessores	birds	598.8
vesical appar.	"	612.4673	Insignia, college		378.27-.29
theories	"	612.801		heraldry	929.6
Innominate artery	anat.	611.1325		military	355.13
veins	"	611.145	Insolvency	law	347.7
Innominatum, os	"	611.7181	Insomnia	disease	616.84
Inns				hygiene	613.86
architecture		728.5	Inspection of		
domestic economy		640	bildings		614.85
of court	English law	340.7	elections	suffrage	324.26
Inoculation			explosivs, etc.		614.83
budding		631.5415	fertilizers		631.818
protectiv	public helth	614.47	food, etc.	pub. helth	614.3
Inorganic			ordnance stores		623.4821
and organic matter, differ.		577.1	Inspiration	Bible	220.1
chemistry		546	Installation of ministers		262.16
	of soil	631.416		sermons	252.6

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Instantaneous boilers	621.18427	Instruments	
Instinct		steam power plant	621.1977
comp. physiol.	612.821313	surgical	617.91
physiol. psych.	612.8213	surveying	526.91
psychology	158	telephone communication	654.6
zoology	591.51	elec. engin'g	621.386
Instinctiv knowledge	158	telegraf communication	654.1
Institute of France	064	elec. eng.	621.383
Institutes		wireless telephone	621.3846
farmers	630.715	telegraf	621.3843
library training	020.715	for other purposes see subject	
Roman law	349.374	Insula	
self education	374.9	anatomy	611.81319
teachers	370.72	Insular	
workingmen's architect.	725.93	faunas	zoology 591.91
Institutions		floras	botany 581.91
Christian	260	Greece	history, ancient 939.1
educational	370	modern	949.9
feudal	321.3	Insulated conductors	621.31933
housekeeping	647.96	Insulating materials	
monarchic	321.6	bilding	691.9
musical	780.7	electric engineering	621.31937
of credit		steam transmission	621.1856
pol. economy	332.31	Insulators	
state control	351.825	electric engineering	621.3194
patriarchal	321.1	lighting	621.3285
republican	321.8	Insurance	368
sociology	360	animal	zootechny 636.08175
Instruction		bildings	architecture 725.23
education	370	compulsory	pol. econ. 331.25
methods	371.3	farm economics	631.175
organ	786.7	law	368
piano	786.3	library	022.27
public worship	264.6	societies, cooperativ	334.3
rooms	lib. bildings 022.65	state control	351.825
Instructions		teachers	371.17
legislativ restrictions	328.249	Insurgente, L'ship	U.S.hist. 973.45
Instrumental		Insurrections	
errors	prac. astron. 522.98	internal relations	323.2
music	780	Intaglios	sculpture 736
pub. worship	264.2	Intarsia	arch. decoration 729.63
Instrumentation	music 781.6	Integral calculus	517.3
Instruments		Integrity	business ethics 174
astronomic	522	Integument	comp. anat. 591.49
chronologic	529.78	descrip.	" 591.79
drawing	744	Integumentary system	
engineering	620.7	anatomy	611.7
engraving	760	surgery	617.47
geodetic field work	526.33	Intellect	151
making	681	Intellectual	
mathematical	510.8	development	education 370.1
musical	780	history	809
optic	535.87	influence of church	261.5
ordnance	623.462	relation of church	377.8
physical	530.8		

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Intellectual			*Interjections Gk syntax	485.9
functions	physiol. psych.	612.821	Interlibrary loans	024.68
	physiology	612.8258	Interlude Eng. drama	822
life self education		374	Interludes organ music	786.84
philosophy		150	Intermarriages	
property, <i>see</i> Copyright; Patents			of families hygiene	613.94
Intelligence			races ethics	173.1
action of poisons on		612.8214	Intermediate	
mental science		151	education, private	373
of animals		591.51	public	379.17
offis domestic econ.		647.2	school admission standards	371.211
physiologic psychology		612.8213	state theology	236.4
Intemperance ethics		178	Interment customs	393.1
hygiene		613.8	public health	614.61
Intensity meters elec. eng.		621.3744	Intermetacarpal joints	611.7277
Intensiv farming		631.583	Intermetatarsal joints	611.7287
Interbrain anatomy		611.814	Intermittent fever	
Intercalatum "		611.81541	pathology	616.936
Intercarpal articulation "		611.7275	public health	614.531
Intercepting sewers		628.28	Intermolecular forces, phys.	539.6
Interchondral joints anat.		611.723	Internal	
Intercollegiate			affairs U.S. administration	351.73
contests, athletic		371.75	capsule anat.	611.8137
literary		371.535	combustion engines	621.43
Intercolumnar fascia anat.		611.639	ear anat.	611.851
Intercommunicating			diseases of	617.88
systems telephony		621.3853	physiology	612.858
Intercommunication			heat geology	551.12
sociology		380	improvements	620
useful arts		650	plastering masonry	693.6
Intercostal			relations polit. science	323
arteries anatomy		611.1354	revenue laws finance	336.27
glands "		611.4643	windows arch. const.	721.85
muscles "		611.7356	International	
nervs "		611.8342	arbitration	341.6
Intercuneiform joints anat.		611.72858	association, the	335.4
Interdicts excommunicat'n		262.9	coinage	332.43
labor strikes		331.894	congresses	341.1
Interest			on special topics <i>see</i> subject	
and usury law		347.7	copyright private law	341.5
calculation of arithmet.		511.8	publishing	655.63
physiologic psychology		612.8212	ethics	172.4
political economy		332.8	exchange money	332.45
securities finance		336.31	exchanges lib. econ.	021.852
tables		657	exhibitions	606
Interests			law	341
electoral representation		324.22	library loans	024.681
relations to Great war		940.318	meetings	020.681
Interference optics		535.4	relations pol. science	327
Interior			standard money	332.43
decoration		747	Internationalism	
department U. S. adm.		353.3	international law	341.1
of earth geology		551.11	political science	321.041
walls, incrusted architect.		729.62		

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Interoceanic canals	eng.	626.9	Intramural interment	614.613
	sociol.	386	Intransigentes	Span. hist. 946.08
Intervolvary stratum	anat.	611.8184	Intraocular pressure	physiol. 612.8426
Interosseous			Intrapleural	" 612.212
artery, dorsal	anat.	611.13794	Intra-uterin injections	618.89
muscles of foot	"	611.7387	Intrenchments	mil. eng. 623.15
hand	"	611.73779	Intubation	
Interpolation			of larynx	surgery 617.42
methods	calculus	517.6	Intuition	ethics 171.2
spheric astronomy		522.75	Intuitionalism	phil. syst. 143
Interpretation			Intuitiv faculty	156
of law	legislation	328.21	philosophy	143
¹ Interrogativs	Lat. syntax	475.9	Inundations	
Interschool			agriculture	632.17
contests, athletic		371.75	meteorology	551.48
literary		371.535	protection	engineering 627.4
Intersecting			Inusitum	nutrition 612.39619
lines	plane geometry	513.12	Invalids	
planes	solid geometry	513.32	care of	dom. econ. 649.8
surfaces	descrip. "	515.18	charities	362.6
Interspinales muscles	anat.	611.73171	cooking for	dom. econ. 641.563
Interstate commerce			diet	hygiene 613.23
commission		385	medicin	616
law	sociology	385	Invariants	algebra 512.88
U. S. hist.		973.85	Invasion	internat. law 341.3
Intersternal joints	anat.	611.723	Invention of printing	655.11
Intertarsal ligaments	"	611.7285	rhetoric	808.5
Intertransversarii mus.	"	611.73176	Inventions	building 690.8
Intertubular cell masses			patents	608
pancreas		611.377	Inventors	biography 926
Intervention	internat. law	341.6	Inventory, closing lib. for	024.45
Intervertebral joints	anat.	611.7213	¹ Inverness, Scot.	history 941.21
Intestinal action of bile		612.3572	¹ co. N. S.	" 971.691
Intestins			Inverse probabilities	519.1
anatomy		611.34	Inversion of uterus in labor	618.57
comparativ anatomy		591.43	Invertebrates	paleontol. 562
pathology		616.34	zoology	592
physiology		612.33	Investigation	
surgery		617.43	legislativ disciplin	328.366
sympathetic system		612.898	Investigations	administra. 351.98
Intimidation			Investiture	eccles. polity 262.16
electoral corruption		324.271	Investitures, war of 1074-84	270.4
labor strikes		331.891	Investments	332
Intolerance			Invincible armada, Span. hist.	946.04
religious	ethics	172.3	Invocation	ritual 264.1
persecutions		272	Invoices	accounts 657
Intonation	music	781.2	Involution	algebra 512.7
Intoxicants, <i>see</i> Alcohol;			arithmetic	511.7
Liquors; Stimulants			mod. geom.	513.53
Intoxicating drinks, traf. in	178.4		Inward flow	turbins 621.244
Intoxication	alcoholism	616.861	¹ Inyo co. Cal.	hist. 979.487
ethics		178.1	Iodids	mineralogy 549.4
Intoxications			Iodin	chemistry 546.15
effect on respiration		612.226	compounds, min.	549.4

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

¹ Iona co. Mich. history	977.454	Irish	
Ionia history, ancient	939.23	discovery of America	973.11
" modern	956.2	goat	636.392
Ionic Greek dialects	487.923	home rule history	941.58
order of architecture	729.32	polit. parties	329.942
philosophy	182.1	land question pol. econ.	333
Ions chemistry	541.2	⁴ language	491.62
physiology	612.0144624	literature	891.62
¹ Iosco co. Mich. history	977.474	music	784.4
Iowa, U. S.		politics	329.9415
admission U. S. hist.	973.61	Romanesque architect.	723.41
history	977.7	sheep	636.3243
For military history see		Iron	
973.52477, 973.7477 and		age prehist. arch.	571.4
973.89477		architecture	721.9
¹ co. Ia. history	977.765	assimilation physiology	612.3924
Wis. "	977.578	bearing waters geol.	553.73
Ipecac emetics	615.731	bilding material	691.7
Iranian languages	491.5	bridges, archt	624.67
Ireland		engineering	624
administration	354.41	chemistry	546.72
antiquities	913.415	clads naval architect.	623.9
architecture	720.9415	columns architecture	721.35
botany	581.9415	¹ co. Mich. history	977.497
colleges	378.415	Mo. "	977.888
constitutional law	342.41	Wis. "	977.522
education	370.9415	manufacture	672
finance	336.415	mask, man in biog.	920.8
geology	554.15	materia medica	615.272
history	941.5	metallurgy	669.1
laws	349.41	mineralogy	549
maps	912.415	mining	622.34
religious history	274.15	ores econ. geology	553.3
schools, public	379.415	piers architect.	721.35
statistics	314.15	pipes waterworks	628.16
travel	914.15	roofs bilding	695.5
zoology	591.9415	ships	623.84
other topics see table 1		strength of materials	620.17
Ireland forgeries		structures architect.	721.9
Shakspeareana	822.33	sulfate of fertilizers	631.825
Irideæ botany	584.24	water pipes san. eng.	628.15
Iridium chemistry	546.93	work manufactures	672
Iris		ornamental	739
anatomy	611.8421	architec.	729.5
eye diseases	617.72	wrought arch. construc.	721.92
motoroculi nerv. physiol.	612.81931	Ironing laundry process	648.4
physiology	612.842	¹ Ironton, O. history	977.1881
sympathetic system	612.896	Irony rhetoric	808
I ish		¹ Iroquois co. Ill. history	977.364
bards lives	928.9162	indians	970.3
bulls Eng. humor	827	Irradiation of eye physiol.	612.8432
cattle, beef	636.2232	Irregularities crystallog.	548.4
dairy	636.2256		
church, Anglican	283.415		
Roman catholic	282.415		

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Irrigation			Itacolumite lithology	552.45
agriculture	631.7		Italian	
canal engineering	626.8		art galleries	708.5
sewage	628.36		cheese, hard	637.3545
Irritability			soft	637.3535
cardiac physiol.	612.172		discovery of America	973.11
in plants botany	581.18		grand opera	782.5
muscular physiol.	612.7416		⁴ language	450
of cells	612.01431		⁵ literature	850
nervs	612.816		painting	759.5
Irritant poisons therapeu.	615.91		philosofers biografy	921.5
Irritants, external	615.771		philosofy	195
Irritation, spinal diseases	616.844		poultry	636.55
Irving, Washington lit.	817.24		republics aristocracies	321.5
Irvingism Cath. apostolic	289.9		republics history	945.04
Isaac 1 Byzantine history	949.503		Romanesque architec.	723.45
Isabella of Castile Span.hist.	946.07		school of Gk philosofy	182.2
" "	946.07		sculpture, medieval	734
¹ Isabella co. Mich.	977.451		modern	735
Isaeus Greek oratory	885.3		sheep	636.35
Isaiah Bible	224.1		swine	636.45
Ischium anatomy	611.71812		Italic languages, minor	479
¹ Isère, France hist.	944.99		Italy	
¹ Ishpeming, Mich.	977.496		administration	354.45
Isla J. F. de Span. satire	867.42		antiquities	913.45
Islam Mahometanism	297		architecture	720.945
Island			botany	581.945
nr 10, Ky. U.S. civ. war	973.752		colleges	378.45
of Reil anatomy	611.81319		constitutional law	342.45
Islands, <i>see</i> Ilands			education	370.945
¹ Ile de France history	944.34		finance	336.45
¹ of Man, Eng.	942.89		geology	554.5
¹ Wight "	942.28		heraldry	929.6
¹ Royale co. Mich.	977.499		history, ancient	937
¹ Isles of Shoals	974.2		modern	945
travels	917.42		laws	349.45
Isocrates Gk oratory	885.4		maps	912.45
Isocetæ botany	587.1		peerage	929.75
Isogonic lines	538.7		reformation in	274.5
Isografy	652		religious history	274.5
Isolation in contag. disease	614.45		schools, public	379.45
Isomerism chemistry	541.7		statistics	314.5
Isometric projections geom.	515.2		titles of honor	929.75
Isomorphism crystallog.	548.3		travel	914.5
Isothermal lines physiog.	551.52		treaties	341.245
Isotony			zoology	591.945
of corpuscles physiol.	612.11117		other topics <i>see</i> table 1	
Israelites history, ancient	933		Itch parasitic diseases	616.9685
modern	296		Ithaca, Greece anc. hist.	938.3
Issues therapeutics	615.812		Itinerant cookery	641.577
Isthmian games Gk antiq.	913.38		Iturbide 1 Mexican history	972.04
Istle fibers	633.5772		Ivan 3 Russian "	947.04
Istria history, ancient	937.3		4 " "	947.04
¹ modern	943.68		5 " "	947.04

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Ivory carving	736
¹ Coast. Africa hist.	966.6
painting	751
supply	679
Ivy landscape gardening	716.1
Ixodidæ arachnida	595.4
Ixtle fibers	633.5772

J	For words commonly speld with initial G pronounst as J see under G
Jackass	636.182
Jacketed bullets sm. arms	623.45532
guns ordnance	623.42162
Jacketing ordnance	623.4234
steam engin'g	621.1011
Jackets clothing	646.45
Jacks, lifting mech. eng.	621.869
Jackson, Andrew presidency	973.56
¹ Jackson city Mich. history	977.428
i	co. Ill. " 977.3994
i	Ind. " 977.223
i	Ia. " 977.764
i	Mich. " 977.428
i	Mo. " 977.841
i	O. " 977.185
i	W. Va. " 975.431
i	Wis. " 977.551
travel	917.7551
¹ Jacksonville, Ill. history	977.346
Jacobins French	944.04
monastic orders	271.2
pigeons	636.59625
political clubs	363
Jacobite church	281.5
Jacobites Eng. pol. party	329.942
Jacotot's system of educ.	371.45
Jacquerie French history	944.025
¹ Jacques Cartier co. Que. hist.	971.4285
Jade mineralogy	549.61
Jail fever pathology	616.922
pub. helth	614.526
Jails architecture	725.62
prisons	365
Jaina architecture	722.4
Jainas Hindu sect	294
¹ Jalisco, Mexico history	972.3
¹ Jamaica	" 972.92
apple	634.413
Jams arch. construc.	721.86
James, St epistle	227.91
i	Eng. history 942.061
2	" " 942.067
1-5 Scot.	" 941.04
i of Aragon	
Catalan miscellany	849.9811
Henry Am. fiction	813.46
Jamestown, Va. U. S. hist.	973.21
i	Va. " 975.5
Jamrosade	634.422
Jan i van Brabant	
Dutch poetry	839.3113
¹ Janesville, Wis. history	977.587
Janin, J. G. Fr. essays	844.76

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Janitor library econ.	023.791	Jaw joint anatomy	611.724
servis dom. econ.	647.25	diseases	616.72
lib. econ.	023.79	surgery	617.52
Janitor's		¹ Jay co. Ind. history	977.267
apartment lib. bldgs	022.695	Jay's treaty U.S. hist.	973.43
department admin.	025.9	Jealousy ethics	179.8
Jansenism heresy	273.7	Jean de Tuim Fr. fiction	843.22
Japan		Jeanne d'Arc " hist.	944.026
administration	354.52	¹ Jeddo history	952
botany	581.952	travel	915.2
chemic technology	667.8	Jefferson, T: presidency of	973.46
chestnut	634.533	¹ Jefferson city, Mo. history	977.8551
clover	633.364	¹ co. Ill. "	977.3793
fauna	591.952	¹ Ind. "	977.213
finance	336.52	¹ Ia. "	977.794
geology	555.2	¹ Mo. "	977.867
¹ history	952	¹ N. Y. "	974.757
maps	912.52	O. history	977.169
persimmon	634.451	¹ Pa. "	974.862
plum	634.16	¹ W. Va. "	975.499
schools	379.52	¹ Wis. "	977.585
statistics	315.2	¹ Jeffersonville, Ind. history	977.218
travel	915.2	Jeffrey, F. Eng. essays	824.73
treaties	341.252	Jehovah doctrinal theol.	231
walnut	634.513	Jejunum anatomy	611.343
Japanese		Jelly fish zoology	593.8
architecture	722.1	Jelousy ethics	179.8
art	709.52	Jennet	
bantams	636.58715	¹ Jennings co. Ind. history	977.217
color prints	761	Jeremiah Bible	224.2
language	495	Jeremy, epistle of Bible	229.5
poultry	636.5857	Jerrold, D. Eng. humor	827.81
servants dom. econ.	647.24	Jersey blue fowls	636.5812
wineberry	634.712	cattle	636.2243
Japanning varnishing	608.3	¹ City, N. J. history	974.927
Jars electric engineering	621.3521	¹ co. Ill. "	977.385
Jasher, book of	229	¹ iland of "	942.34
Jasmin, J. Provençal poet.	849.143	travels	914.234
Jasmin perfume plants	633.811	prison ship	973.3711
¹ Jasper co. Ill. history	977.374	swine	636.483
¹ Ind. "	977.297	Jerseys, Washington in the	973.3325
¹ Ia. "	977.759	Jerusalem	
¹ Mo. "	977.872	artichoke field crops	633.494
Jaumave istle	633.5772	garden "	635.24
Jaundis diseases	616.36	city history ancient	933
physiology	612.35765	¹ " modern	956.9
Java		travels "	915.69
fowls	636.5814	corn cereals	633.178
¹ iland history	992.2	St John of knights	929.711
travel	919.22	Jesters customs	394.2
ship U.S. war of 1812	973.5251	¹ Jests Eng. literature	827
Jaw bone diseases	616.71	Jesuit missions	266.2
lower anat.	611.7164	Jesuits religious orders	271.5
upper "	611.7161	tea agric.	633.77

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Jesus			
Christology	232		
society of relig. order	271.5		
Jet economic geology	553.22		
pumps prac. chem.	542.9		
Jets, steam engin'g	621.69		
Jettatura witchcraft	133.4		
Jetties engineering	627.6		
Jew plum	634.442		
Jewelry			
customs	391.7		
manufacture	671		
fine arts	739		
toilet	646.48		
Jewish			
architecture	722.3		
calendar	529.3		
cookery	641.567		
discovery of America	973.11		
language	492.4		
literature	892.4		
philosofy	181.3		
religion	296		
Jews			
apologetics against	239.2		
biograpy	922.96		
disabilities of	296		
ethnology	572.933		
history, ancient	933		
modern	296		
restoration of	296		
Jigging mining engin'g	622.75		
Jipijapa plant fibers	633.584		
Jo Daviess co. Ill. hist.	977.334		
Joan of Arc Fr. history	944.026		
Job Bible	223.1		
Job work			
economics	331.231		
printing	655.26		
Jockeys horse racing	798		
Jodelle, Etienne Fr. drama	842.34		
Joel Bible	224.7		
Johansson, L. Swed. poet.	839.7132		
John, King Eng. history	942.033		
St epistle 1	227.94		
2	227.95		
3	227.96		
gospel of	226.5		
knights of	929.711		
Revelation of	228		
John 1 French history	944.024		
12 2 " "	944.025		
Johnson, A. presidency of	973.81		
S: Eng. essays	824.63		
1Johnson co. Ill. history	977.3996		
1 Ind. "	977.251		
1 Ia. "	977.7655		
1 Mo. "	977.8455		
Joinery carpentry	694.6		
shipbilding	623.84		
Joint			
committees, legislativ	328.3627		
resolutions legis. proced.	328.377		
stock companies law	347.7		
Joints			
anatomy	611.72		
calkt plumbing	696.6		
diseases of medicin	616.72		
geology	551.84		
injuries to surgery	617.47		
mechanic engineering	621.88		
of wood work carpentry	694.2		
physiology	612.75		
rail engineering	625.15		
riveted engineering	620.11287		
plumbing	696.4		
rust	696.6		
screw	696.5		
steam pipe	621.1857		
toggle machinery	621.825		
universal "	621.825		
1Jokes English humor	827		
1Joliet, Ill. history	977.325		
1Joliette co. Que. history	971.442		
Jolin, J. K. Swed. drama	839.7264		
Jonah Bible	224.92		
1Jones co. Ia. history	977.763		
travel	917.7763		
shorthand	653.43		
Jongleurs French poetry	841.09		
Jonson, B. English dram.	822.34		
1Joplin co. Mo. history	977.8721		
Jordan river antiquities	913.33		
travels	915.69		
Joseph 1 German history	943.051		
2 " "	943.057		
Joshua Bible	222.2		
Joubert, Joseph Fr. essays	844.62		
Journalism	070		
Journalists, lives of	920.5		
Journals mill work	621.821		
Journeys round the world	910.4		
Jovellanos, G.M. de Span. lit.	868.42		
Jubilee singers, Fisk univ.	784.7		
Jubilees, military	355.16		
Judaism	296		
vs christianity	239.2		

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Judd, Sylvester Am. fic.	813.34	Jurisprudence	340
Jude epistle, Bible	227.97	medical	340.6
Judea ancient history	933	Jurists, <i>see</i> Lawyers	
modern "	956.9	Jury trial law	340.4
Judges, book of Bible	222.3	Justice, <i>see</i> Justis	
law courts	347.97	Justification doct. theol.	234.7
lives	923.4	Justis ethics	179.9
Judgment		pol. sci.	323.42
mental faculties	153.5	Justises of the peace law	347.96
private ecclesias. polity	262.8	Jute agriculture	633.54
theology	236.9	dom. econ.	646.186
Judicial		manufactures	677
chemistry law	340.6	Jutland cattle	636.2357
combat "	340.3	swine	636.434
control administration	351.94	Juvenal Latin satire	877.7
corps univ. admin.	378.113	Juvenil	
ordeal law	340.3	books reading and aids	028.5
Judiciary		see also subject	
department U. S. gov't	353.5	courts	364
electiv law	347.97	criminals law	343
Judith Bible	229.2	literature	028.5
Juggernaut	299.14	mortality pub. helth	614.133
Jugglery	791	reformatories	364
Juglandææ botany	583.973	Juxta-aortic glands	611.46521
Jugoslavia history	949.7		
Jugular			
ganglion anat.	611.89191		
glands "	611.4637		
vein, external "	611.1452		
internal "	611.1451		
veins, posterior "	611.1453		
Jugurthan war Rom. hist.	937.05		
Juice, intestinal physiol.	612.331		
Jujube	634.662		
Julian calendar	529.4		
Jumpers poultry	636.528		
Jumping athletics	613.72		
Juncaceæ botany	584.45		
Junctions			
railroad engineering	625.1		
sewers	628.251		
¹ Juneau co. Wis. history	977.555		
Juneberry	634.741		
¹ Juniata co. Pa. history	974.847		
Junius letters Eng. satire	827.64		
Jupiter astronomy	523.45		
mythology	292		
¹ Jura, France history	944.47		
Jurassic age geology	551.76		
Juridic			
powers legislation	328.251		
theory of state	320.151		
Jurisdiction civil trials	347.98		
suffrage	324.243		

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index.

- Kabala Jewish philosophy 181.3
 Kabardian sheep 636.385
 Kafir agriculture 633.177
¹Kaffraria, Africa history 968.6
¹Kafirs " 968.6
 Kairin therapeutics 615.75
 Kaiser German gov't 354.4305
 Kaki 634.451
¹Kalamazoo city, Mich. his. 977.418
¹ " co. " " 977.417
 Kale 635.346
 Kaleidoscope optics 535.86
Kalendar 529
 Kalifs Mohammedanism 297
¹Kalkaska co. Mich. hist. 977.465
 Kalmuck sheep 636.385
 Kalmucks description 915
 history 950
 Kalsomining 698.2
¹Kamchatka history 957
¹Kamerun, Africa hist. 967.1
 Kames, H. H. Eng. essays 824.62
¹Kamouraska co. Que. hist. 971.475
 Kanawha
¹ co. W. Va. history 975.437
¹ valley, W. Va. " 975.43
¹ Little, W. Va. " 975.42
¹Kane co. Ill. history 977.323
 Kangaroo zoology 599.2
¹Kankakee co. Ill. history 977.363
 Kansas, U. S.
 admission U. S. hist. 973.68
¹ history 978.1
 For military history, see subdivisions of Special campaigns and Military history under 973.7 and 973.89
 struggle in U. S. hist. 973.66
¹Kansas city, Mo. history 977.8411
 Kansas-Nebraska bill " 973.66
 Kant critical philosophy 142
 German " 193.2
 Karanian sheep 636.385
 Karbo domestic animals 636.293
 Karlsefne, T. discov. of Am. 973.13
 Karoub fruit culture 634.462
¹Karput, Asia Turk. hist. 956.6
¹Kartum, Egypt history 962.6
¹Kashmir, India history 954.6
 Kashmir goat 636.39854
 Kaspar von der Röhn 831.35
¹Kastamuni, Asia Tur. hist. 956.3
 Kate, J. J. L. ten Dut. poet. 839.3156
 Kearny in New Mexico 973.6231
 Kearsarge, ship U. S. hist. 973.754
 Keats, John Eng. poetry 821.78
 Keeley cure alcoholism 616.861
 Keels shipbuilding 623.84
¹Keewatin, Canada history 971.26
 travel 917.126
 Kellgren, J. H. Swed. poet. 839.7152
 Kelpies folklore 398.4
 Kelsen, S. T. Danish " 839.8137
 Keltic ancient history 936
languages 491.6
 Kempis, Thomas à 242.1
¹Kendall co. Ill. history 977.326
¹Kennebec co. Me. " 974.16
 Kennedy, J. P. Am. fic. 813.32
¹Kenosha city, Wis. hist. 977.599
¹ co. Wis. " 977.598
¹Kent co. Del. " 975.14
 trav 917.514
¹ England hist. 942.23
¹ Md. " 975.236
¹ Mich. " 977.455
¹ N. B. " 971.522
¹ Ont. " 971.333
¹ R. I. " 974.54
 Kent poultry 636.523
 sheep 636.3215
 Kentucky, U. S.
 admission U. S. hist. 973.41
¹ history 976.9
 For military history, see subdivisions of Special campaigns and Military history under 973.52, 973.7 and 973.89
 travel 917.69
 Kentucky horse 636.13
 red turkey 636.5928
¹Keokuk city, Ia. history 977.7991
¹ co. Ia. " 977.791
 Kepler's problem astron. 521.37
 Keramics art 738
chemic tech. 666.3
 Keratomalacia eye diseases 617.71
 Kermess 394.6
¹Kern co. Cal. history 979.488
 Kerosene
 chemic technology 665.5
 heating chem. 542.43
 inspection prot. of life 614.834
¹Kerry, Ireland history 941.96
 Kerry cattle 636.2256
 sheep 636.3244
 Ketones chemistry 547.6
¹Kewaunee co. Wis. hist. 977.562
¹Keweenaw co. Mich. " 977.499
 Kexél, Olof Swed. drama 839.7253

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- Key bugle musical instru. 788.46
 Keys
 and locks manufac. 683
 machine fastenings 621.883
 mathemat. student hon. 371.81
 Keyser, R. Danish essays 839.8463
 Khita ancient history 939.45
¹Khiva history 958.5
 travel 915.85
¹Khodavendigar Asia hist. 956.1
¹Khokand, Turkestan " 958.7
 Kidglove orange 634.322
 Kidnapping crim. law 343
 Kidney bean 635.652
 vetch 633.362
 Kidneys
 action of vagus on 612.819915
 anatomy 611.61
 diseases 616.61
 physiology 612.46
 surgery 617.46
¹Kildare, Ireland history 941.85
¹Kilkenny, " " 941.89
¹Killarney, " " 941.96
 travels 914.196
 Kilos anatomy 611.81711
 Kilpatrick's expedition 973.7362
¹Kincardine, Scot. history 941.26
 Kindergarten education 372.2
 Kindness ethics 177.7
 Kinematics machinery 621.81
 physics 531.1
 Kinetic theory of gases 533.7
 Kinetics physics 531.3
 Kinetograf fotografy 778
 Kinetoscope " 778
 King, William Eng. satire 827.47
 King George's war U.S. hist. 973.26
 Philip's " " " 973.24
 N.E. " 974
 William's " U.S. " 973.25
 Kinghir sheep 636.385
 Kingo, Thomas Dan. poet. 839.8134
 King's daughters 267.433
 Kings
 absolute monarchy 321.6
 bench 347.99
 book of, Bible 222.5
 constitutional monarchy 321.7
¹ co. Cal. history 979.485
¹ Ireland " 941.86
¹ New Brunswick " 971.541
¹ New York " 974.722
¹ Nova Scotia " 971.634
- Kings
¹ co. P. E. I. history 971.77
 divine right pol. sci. 321.6
 evil diseases 616.996
 lives 923.1
 mountain Am. revol. 973.3364
 Kingship 321.6
 Kingsley, C: Eng. fiction 823.85
¹Kingston, Ont. history 971.372
 Kinkel, J; G. Ger. poetry 831.82
¹Kinross, Scotland history 941.34
 Kinship customs 392
 genealogy 929.1
 Kipp gas apparatus chem. 542.72
¹Kirkcudbright, Scot. hist. 941.49
 Kirmess 394.6
 Kissing customs 392.3
 Kitchen
 domestic economy 643.3
 gardening 635
 middens archeology 571.93
 Kitchens architecture 728.93
 Kite flying meteorology 551.51
 mil. aeron. 623.746
 sports 796
 Kites aeronautics 629.171
¹Kiva, Turkestan history 958.5
 Kjæmpeviser Dan. poet. 839.8112
 Kjerkegaard, S.A. " essays 839.8462
 Klausen, Peder " misc. 839.883
 Kleist, H; B.W; von 832.68
 Kleptomania mental dis. 132.6
 Klinger, F; M. Ger. dram. 832.64
¹Klondike region history 971.21
 Klopstock, F; G. Ger. poet 831.62
 Knee anatomy 611.983
 cap " 611.71845
 joint " 611.7283
 Kneipp cure therapeutics 615.853
 Knife, grass 631.3511
 grafting 631.341
 pruning 631.3422
 switches elec. eng. 621.31732
 Knifetooth harrow 631.3134
 Knightage heraldry 929.7
 Knighthood
 chivalry 394.7
 orders heraldry 929.7
 Knights
 Hospitalers 929.711
 of Columbus Great war 940.4775
 labor labor organiza. 331.88
 Malta 929.711
 Pythias secret soc. 366.2

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index.

Knights			Krypton inorganic chem.	546.294
of Rhodes	929.711		Ku Klux Klan pol. ass'ns	363
St John	929.711		Kumiss adulterations	614.324
Templars	929.712		dairy products	637.146
Knitting dom. econ.	646.26		Kumquat	634.324
machines textiles	677		Kunawar, Punjab trav.	915.45
Knives cutlery	672		*Kurdish language	491.57
stone, chipt	571.15		¹ Kurdistan history	956.6
polisht	571.25		travels	915.66
Knorring, S. M. von	839.7361		¹ Kurile ilands history	952
Knowledge, theory of	121		travels	915.2
unity of	121		Kyloe cattle	636.2233
Knowles, J. S. Eng. dram.	822.72		Kyrie sacred music	783.22
Knownothing party				
U. S. history	973.66			
politics	329.5			
¹ Knox co. Ill. history	977.349			
travels	917.7349			
¹ Ind. history	977.239			
¹ Me. "	974.15			
¹ Mo. "	977.8315			
¹ O. "	977.152			
Knoxville campain	973.7358			
Kobolds folklore	398.4			
Kodaks fotografy	771			
Kohlrabi	635.348			
¹ Kokand, Turkestan hist.	958.7			
Kola agriculture	633.76			
therapeutics	615.32318			
Kolmogorian cattle	636.271			
Kola therapeutics	615.32318			
¹ Kongo, Africa history	967.2			
¹ Basin "	967.5			
travel	916.75			
¹ Free State history	967.5			
sheep	636.386			
¹ Konieh, Asia Turk. hist.	956.4			
Koomiss adulterations	614.324			
dairy products	637.146			
Koonawur, Punjab trav.	915.45			
¹ Koordistan history	956.6			
travels	915.66			
Koran Mahometanism	297			
¹ Kordofan, Egypt history	962.8			
Körner, K; T. Ger. poetry	831.66			
¹ Kosciusko co. Ind. hist.	977.282			
Kosmos univ. language	408.9			
¹ Kossuth co. Ia. hist.	977.721			
Kotzebue, A; F; F. von	832.66			
Koumiss adulterations	614.324			
dairy products	637.146			
Krishna Buddhism	294			
*Kroatian language	491.83			

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- L. M. Z. formulæ geodesy** 526.46
Labels in museums 579.72
Labia majora anatomy 611.6732
 minora " 611.6733
Labiatae botany 583.891
Labiche, E. M. Fr. drama 842.81
Labor
 colony 331.8
 dep't estab. U. S. hist. 973.85
 induction of obstetrics 618.88
 laws 338.9
 obstetrics 618.4
 of children 331.3
 party polit. parties 329.85
 pathology of obstetrics 618.5
 political economy 331
 savers, domestic 643.6
 kitchen 643.34
 literary 029.2
 state control 351.83
 statistics polit. econ. 331
 unions " " 331.88
Laboratories
 architecture 727.5
 biologic 590.7
 chemic architecture 727.5
 prac. chem. 542.1
 physical architecture 727.4
 school buildings 371.623
 equipment 371.66
 state adulterations 614.3
Laboratory
 technic chemistry 542
 method of instruction 371.38
Laborers
 cottages architecture 728.68
 domestic 647.3
 factory organization 621.705
 occupation hygiene 613.6
 political econ. 331.8
Laboring
 classes laws, *see* Laws
 polit. econ. 331.8
 sociology 323.33
Labrador
 discovery of America 973.16
¹ history 971.9
Labyrinth
 membranous anatomy 611.852
 osseous " 611.853
Labyrinths prehist. arch. 571.95
La Calprenède, G. de C. de 843.43
Lacaune sheep 636.3468
Lacedaemon anc. history 938.9
Lacemaking art needlewk 746
 manufac. 677
Lacerated wounds surg. 617.143
Laceration of genital tract 618.55
Lacertilia reptils 598.11
Lacewing flies pests 632.74
Lachine rapids, Que. trav. 917.14285
Lachrymal, *see* Lacrimal
Lacistemaceæ botany 583.983
¹Lackawanna co. Pa. hist. 974.836
Lacker
 work artistic furniture 749
 manufactures 667.7
¹Laclede co. Mo. history 977.8815
Laconia ancient history 938.9
¹Laconics Eng. literature 828
Lacquer
 work artistic furniture 749
 manufactures 667.7
Lacrimal
 apparatus anatomy 611.8464
 physiology 612.847
 bone anatomy 611.7157
 disorders eye diseases 617.76
 secretions zoology 591.147
¹La Crosse city, Wis. hist. 977.572
¹ " co. Wis. " 977.571
 travel 917.7571
Lacrosse games 797
Lactation
 diseases of obstetrics 618.71
 physiology 612.664
Lacteals anatomy 611.426
Lactic fermentation physiol. 612.66417
Lactiferous ducts anat. 611.693
Lactin milk composition 637.1272
Lactobutyrometer 637.1275
Lactocrite 637.1275
Lactodensimeter 637.1276
Lactometer dairy 637.1276
 public helth 614.32
Lactoscope dairy 637.1276
Lactose milk composition 637.1272
 nutrition 612.39614
Lactose nutrition 612.39614
Lacunae, urethral anat. 611.6234
Ladders lib. econ. 022.941
Ladies
 in library reading rooms 024.53
 maids dom. econ. 647.25
 of the Sacred Heart 271.93
¹Ladrone islands history 996.7
 travel 919.67
Lafayette, M. comtesse de 843.48

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

¹ Lafayette, Ind. history	977.295	Lamentations Bible	224.3
¹ co. Mo. "	977.845	Lamiales botany	583.87
¹ Wis. "	977.579	Lammermuir sheep	636.3252
La Flèche fowls	636.543	La Motte, A. H. de Fr.dram.	842.51
La Fontaine, J: de Fr. poet	841.45	Fouqué, F; H; C;	833.65
Lagerbring, S. Swed. misc.	839.7844	Lamp	
¹ Lagrange co. Ind. hist.	977.279	black air pollution	614.747
La Harpe, J: F. de Fr. dram.	842.63	holes sewerage	628.253
essays	844.61	posts vent. of sewers	628.232
¹ Lahore, India history	954.5	shells zoology	594.8
Lahune sheep	636.3469	⁵ Lampoons English satire	827
Laissez faire pol. econ.	330.153	Lampreys fishes	597.2
¹ Lake Champlain history	974.754	Lamps	
travels	917.4754	arc elec. lighting	621.325
¹ Lake co. Cal. history	979.417	bracket lib. bildings	022.765
¹ Ill. "	977.321	chemic technology	665.6
¹ Ind. "	977.299	filament elec. lighting	621.326
¹ Mich. "	977.468	incandescent vapor	621.3273
¹ O. "	977.133	library bildings	022.751
drainage	627.5	¹ Lanark, Scotland hist.	941.43
duck	636.59782	¹ co. Ont. "	971.382
dwellings archeol.	571.83	¹ Lancashire, England "	942.72
George, N. Y. hist.	974.751	sheep	636.3254
¹ Megantic co. Que. "	971.469	swine	636.4242
¹ of Bays dist. Ont. "	971.316	Lancaster	
¹ St John co. Que. "	971.414	and York Eng. hist.	942.04
¹ states, U. S. "	977	Irish "	941.54
travel	917.7	¹ co. Pa. history	974.815
For military history of all or		system education	371.41
individual states, see subdivis-		Lancelet fishes	597.1
ions of Special campaigns and		Lances side arms	623.4444
Military history under 973.52,		Land	
973.7 and 973.89		claims finance	336.13
surveys geodesy	526.99	companies	
transportation	387	drainage engin'g	627.5
vessels shipbiling	623.824	farm economics	631.1
Lakenfeld cattle	636.2354	grants finance	336.14
Lakenvelder fowls	636.532	to public schools	379.123
cattle	636.2354	law	347.2
Lakes		laws polit. economy	333
artificial landsc. garden.	714	markers	631.3314
boundaries pol. sci.	320.1286	nationalization of	333.1
physical geografy	551.48	operations Great war	940.42
water supply	628.11	political economy	333
Lalli, G. Italian satire	857.53	public polit. economy	333.1
Lamaism	294	settlement guides	631.11
Lamartine, A. M. L: de P. de	841.74	slides geology	551.3
Lamb, Charles Eng. essays	824.75	soil	631.4
Lambertypes	773	state domain	336.1
Lambs lettuce	635.57	surveying	526.9
¹ Lambton co. Ont. history	971.327	tenure law	347.2
Lamellae, bony histology	611.01843	titles, insurance of	368.8
Lamellibranchiata zoology	594.1	travel protec. of life	614.861
La Mennais, H. F. R. de		under water drainage	631.616
French essays	844.71		
philosofy	194.6		

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- Landaise sheep 636.3463
- Landed
 gentry English heraldry 929.725
 industry state control 351.823
- ¹Landes, France history 944.77
- Landing
 apparatus aviation 629.187
 artillery mil. eng. 623.414
 places aeronautics 629.144
- Landlord
 and tenant law 347.2
 polit. econ. 333
- Landrat Ger. local gov't 352.0433
- Landscape drawing 741
 gardening 710
 painting 758
 photographs 779
 sketching 741
- Landtag Ger. cent. gov't 354.4308
 local " 352.0431
- Langebek, J. Dan. misc. 839.8842
- Langendijk, P. Dutch dram. 839.3241
- Langensalza goat 636.393
- Langerhans, islands of anat. 611.377
 physiol. 612.349
- ¹Langlade co. Wis. hist. 977.535
- Langland, W: Eng. poetry 821.15
- Langshan fowls 636.5853
- Language 400
² English, origin of 422
 lessons elemen. educ. 372.6
 localization physiol. 612.825249
 of flowers 716.2
 origin of 401
 physiology 612.789
 sign def and dum 371.912
 hieroglyphics 419.1
 universal 408.9
- Languages
 intranational migration 323.1
 philology 400
 see also qualifying names
- Langue bleue philology 408.9
- ¹Languedoc, France hist. 944.8
 trav. 914.48
 swine 636.447
- Lank sheep 636.3254
- ¹Lansing, Mich. hist. 977.427
- Lantern
 astronomic 523.89
 magic optics 535.86
 slides education 371.335
 lib. administra. 025.177
 library cases for 022.487
- Lanterns dom. economy 644.322
- Lanthanum chemistry 546.63
- Lanzi, Luigi Ital. essays 854.64
- ¹Laos, Asia history 959.4
- Laparotomy surgery 617.55
- ¹Lapeer co. Mich. history 977.442
- La Peruse, J: B. de Fr. drama 842.33
- La Place's functions calcul. 517.35
- ¹Lapland, Russia history 947.1
 travels 914.71
- ¹La Plata history 982
- ¹Laporte co. Ind. history 977.291
- Lapping machines 621.922
- Laprade, P: M. V: R: de 841.81
- ¹La Prairie co. Que. hist. 971.434
- Larceny law 343
- Lard
 adulterations 614.313
 chemic technology 664.3
 refiners' occupation hyg. 613.62
 refining air pollution 614.743
- Larder dom. economy 643.37
- Large
 farm 631.1161
 eard swine, French 636.441
 German 636.434
 intestin anatomy 611.347
 physiology 612.36
 numbers, cooking for 641.57
 numbers, entertaining 642.43
 or small college 378.15
 Polish swine 636.433
 Suffolk " 636.4246
- Larivey, Pierre de Fr. dram. 842.38
- Larra, M. J. de F. Span. fict. 863.51
- Larva comp. physiol. 612.651
 embryology 591.34
- Laryngeal
 nerv, inferior anatomy 611.831917
 superior " 611.831916
 pharynx " 611.3273
 tonsils " 611.326
- Laryngology pathology 616.22
- Laryngoscope " 616.22
- Laryngoscopy " 616.22
 physiology 612.7823
- Laryngotomy surgery 617.42
- Larynx
 acoustics 534.7
 anatomy 611.22
 artificial physiol. 612.783
 diseases of 616.22
 of birds comp. physiol. 612.788
 physiology 612.78

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Larzac sheep	636.3468	Laudonnière discov. of Am.	973.18
La Sale, Antoine de Fr. fic.	843.23	Laughing	
¹ Lasalle, Ill. history	977.327	gas anesthetics	615.781
¹ Lassen co. Cal. history	979.426	physiology	612.219
travel	917.9426	Laughter emotions	157
¹ L'Assomption co. Que. hist.	971.4416	hysteria	616.852
Last supper sacraments	265.3	Launch engines	621.1228
La Taille, J. de Fr. dram.	842.36	Launching	
Late hours hygiene	613.79	tubes torpedoes	623.95
Latent period		ways shipbuilding	623.83
physiology of brain	612.8211	Laundresses dom. econ.	647.25
hart	612.1723	Laundries	
muscle	612.7417	architecture	728.93
Lateral		public dom. econ.	648.1
column of cord anat.	611.8256	Laundry	
line comp. physiology	612.8869	accounts dom. econ.	648.11
Lath, metal plastering	693.66	cooperativ " "	648.1
wooden "	693.65	domestic economy	648.1
Lathe work mech. eng.	621.94	location of domestic	643.58
Latin		Lauragaise sheep	636.3465
antiquities	913.37	Laurineæ botany	583.931
biografy	920.037	Lava lithology	552.21
church	282	¹ Laval co. Que. history	971.427
classics	870	Lavatories	
epic poetry	873	domestic economy	643.52
erotica	874	furnishings dom. econ.	645.68
geografy	912.37	library bildings	022.686
hymns hymnology	245.7	school "	371.626
literature	879.1	La Vendée	
inscriptions	471.7	¹ French department	944.61
⁴ language	470	insurrection	944.043
⁵ literature	870	Lavender perfume plants	633.812
lyric poetry	874	Law	340
⁴ medieval and modern	479	addresses	347.04
mythology	292	and miracles theology	231.7
squares and rectangles		and order leags temp'nce	178.4
mathematics	511.61	dictionaries	347.03
union	332.43	forms	347.93
Latissimus dorsi anat.	611.73112	interpretation pol. sci	328.21
Latitude		making " "	328
at sea navigation	527.1	merchant	347.7
determinations geodesy	526.61	metaphysics	
finding	525.41	moral ethics	170
geocentric theor. astron.	521.26	of corporations	347.7
heliocentric " "	521.25	nations	341
variations of " "	521.28	nature science	501
Latium ancient history	937.6	sociology	340.1
¹ modern "	945.6	special topics see subject	
Latrines sanitation	628.45	parish ecclesias. polity	262.2
Latterday saints Mormons	298	parliamentary	328.1
Lattis doors arch. constr.	721.83	reports American	345.4
girders engin'g	624.23	English	346.4
Lattist construction bild'g	694.5	schools	340.7
Laube, H; Ger. drama	832.76	architecture	727.4
		Sunday	263.8

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index.

- Lawn bowls 796
 mowers 631.3527
 tennis 796
- Lawns 712
- ¹Lawrence co. Ill. history 977.376
- ¹ Ind. " 977.226
- ¹ Mo. " 977.875
- ¹ O. " 977.188
- ¹ Pa. " 974.893
- Laws
- aeronautics 629.148
- building 692.9
 protec. of life 614.85
- citizenship 323.61
- conflict of 341.5
- library lib. econ. 021.894-9
- medical license 614.24
 practis 614.2
- ¹ of language English 422.1
- plumbing 696.9
- school 379.14
- uniform legislation 328.22
- Lawyers
- and American revolution 973.315
- ethics 174.3
- lives 923.4
- Laxatives therapeutics 615.7321
- Lay ministry eccles. polity 262.14
- Layamon Eng. poetry 821.11
- Layering plant culture 631.534
 pots 631.335
- Layettes clothing 646.36
- Laying of eggs zootechny 636.08246
- Laying out of
- farm 631.12
- towns and streets eng. 625.7
 public helth 614.781
- Lazarettos
- contagious diseases 614.45
- hospitals 362.1
- Lazarists monastic ord. 271.77
- Lead, *see* Led
- Leading
- cases American law 345.5
 English " 346.5
 on special subjects *see*
 subject
- Leading glazing 698.5
- Leaf chervil 635.78
- cuttings 631.5357
- hoppers pests 632.75
- insects " 632.72
- Leag of nations 341.1
- Leags, law and order 178.4
- Leakage
- elec. power transmission 621.31937
 railway engineering 621.333167
- Leanness physiol. 612.3977
- Learned societies 060
 bildings arch. 727.9
- Learning revival lit. hist. 809
- Leases law 347.2
- Least squares
- computing orbits 521.36
 in geodesy 526.5
 probabilities 519.8
- Leather, *see* Lether
- Leaves fertilizers 631.872
 shapes of botany 581.4
- ¹Lebanon co. Pa. history 974.819
- Leblanc ram hyd. mach. 621.273
- Lebrun, P. D. E. Fr. poet. 841.61
- ¹Lecce, Italy history 945.76
- Lecithin blood 612.11119
 nutrition 612.39782
- Lecompton constitution
- Kansas history 978.1
- slavery 326.973
- U. S. history 973.68
- Le Coq, Thomas Fr. dram. 842.31
- Lectern sacred furniture 247.1
- Lectinary Anglican ritu. 264.032
- Lecture rooms lib. bilding 022.651
 school 371.621
- Lectures
- copyright of 655.62
- ¹ English oratory 825
- for laboring classes 331.85
- halls for architecture 725.83
- instruction methods 371.33
- library 021.43
- library propagandism 021.78
 support 021.96
- popular education 374.5
- ² on special topic *see* subject
- Led
- accumulators elec. eng. 621.355
- black economic geol. 553.26
- chemistry 546.51
- drugs 615.251
- manufacture 671
- metallurgy 669.4
- mining 622.34
- ores economic geology 553.44
- poisoning toxicology 615.928
- roofs bilding 695.4
- water pipes 628.15
- Leding glazing 698.5

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Lee	
C: treason Am. revol.	973.383
R. E: surrender U.S. hist.	973.7384
¹ Lee co. Ill. history	977.336
¹ Ia " "	977.799
Leechee	634.571
Leeches culture	639.8
medicin	616.9688
zoology	595.1
¹ Leeds city, Eng. history	942.74
¹ co. Ont. " "	971.373
Leek	635.261
¹ Leelanaw co. Mich. hist.	977.463
¹ Leeward ilands " "	972.97
trav.	917.297
Left hart anatomy	611.122
Lefthandedness	612.76
Leg anatomy	611.984
lymfatics " "	611.42184
muscles " "	611.7383
surgical operations	617.58
Legacies law	347.6
taxation	336.27
Legal	
anecdotes	340.9
bibliografy	016.34
capacity of persons law	347.1
chemistry law	340.6
education	340.7
ethics	174.3
hermeneutics	347
holidays lib. econ.	023.652
maxims	340.9
medicin asphyxiation in	612.232
jurisprudence	340.6
profession, <i>see</i> Lawyers	
status of woman	396.2
tender paper money	332.5
Legendre's theorem geod.	526.42
Legends folklore	398.2
monastic	271
mythology	291
of the Madonna	225.92
Legerdemain	791
Leghorn fowls	636.551
Legislation	328
American statutes	345
British " "	346
comparativ	340.5
fertilizers	631.818
industrial	338.9
library founding of libs.	021.8
political science	328
public helth	614.09
Legislation	
sumptuary social ethics	177.4
wages	331.261
see also qualifying term	
Legislativ	
bodies and annals	328
manuals	328.371
reporting shorthand	653.046
Legislators	
powers	328.34
restrictions	328.34
Legislatures, <i>see</i> Legis. bodies	
Legitimacy family law	347.6
Legs, artificial surgery	617.58
Legumes field crops	633.3
food values	641.12
garden crops	635.6
harvesting	631.5563
nutrition	612.39272
Leguminosæ botany	583.32
Leguminous fruits	634.46
¹ Lehigh co. Pa. history	974.827
Leibnitz Ger. filosofy	193.1
¹ Leicester, Eng. history	942.54
travels	914.254
sheep	636.3212
border sheep	636.3213
¹ Leinster, Ireland history	941.8
¹ Leipzig history	943.21
travels	914.321
Leitneriæ botany	583.972
¹ Leitrim, Ireland history	941.71
Le Mans fowls	636.543
Lemercier, L. J. N.	842.68
Lemnaceæ botany	584.68
Lemniscus anatomy	611.8167
Lemnos ancient history	939.11
modern " "	949.91
¹ Lemoille co. Vt. history	974.33
Lemon vine	634.7757
Lemonade adulterations	614.346
Lemons fruit culture	634.334
Lempster sheep	636.3242
Lemur zoology	599.8
¹ Lenawee co. Mich. hist.	977.431
Length of college course	378.241
legislativ sessions	328.354
term of offis	328.3356
working day econ.	331.811
Lenep, J. van Dutch fic.	839.3354
Lenngren, A. M. Swed. poet.	839.7156
Lennoaceæ botany	583.66
¹ Lennox & Addington co. Ont.	
history	971.359

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Lens			
crystallin	anatomy	611.8441	
	physiology	612.8441	
eye diseases		617.74	
Lenses	optics	535.81	
	photografy	771	
Lénström, K. J.	Swed. lit.	839.7464	
Lent	Anglican church	264.031	
Lenten	cookery	641.566	
	mass music	783.27	
Lentibulariæ	botany	583.825	
Lenticular nucleus	anat.	611.81322	
Lentils		635.668	
Leo 3	Byzantine history	949.502	
Leon			
L. P. de	Span. poetry	861.33	
Ponce de	discov. of Am.	973.16	
¹	Spain history	946.2	
Leonese	sheep	636.366	
Leopardi, G.	Ital. poetry	851.75	
Leopold 1	Ger. history	943.044	
	" "	943.06	
Leopold, K. G. af		839.7157	
Lepidoptera	agric. pests	632.78	
	zoology	595.78	
Lepisma	agric. pests	632.71	
Leprosy	pathology	616.998	
	public helth	614.546	
Leptocardii		597.1	
Le Sage, A. R.	Fr. fiction	843.51	
Lesbos	ancient history	939.12	
¹	modern "	949.92	
Leslie's	Virginia exped.	973.3361	
Lesser	circulation, pressure	612.148	
Lessing, G. E.	Ger. drama	832.61	
Lether	domestic econ.	646.15	
	manufacture	675	
	stampt bilding	698.8	
Letter writing	compo.	808.6	
	etiquet	395	
Lettering, ornamental		745	
² Letters	English alfabet	421	
³	literature	826	
	patent patents	608	
²	see also special subject		
Lettic languages		491.9	
⁴ Lettish	"	491.93	
Lettuce		635.52	
Leucocytes	physiology	612.112	
Leucocythemia	diseases	616.41	
Leucocytic ferments	phys.	612.11211	
Leucocytosis	"	612.1126	
Leucomains	"	612.398195	
Leucorrhœa	gynecology	618.17	
¹ Levant, Asia	history	956	
	travels	915.6	
	sheep	636.385	
	ship U.S. war 1812	973.5257	
Levator			
anguli oris	anatomy	611.7326	
scapulae	anatomy	611.73114	
Levatores			
costarum	anatomy	611.7354	
labii	"	611.7326	
Levees	hydraulic engin'g	627.4	
Level constant	astron.	522.36	
Leveling			
adjustments	geodesy	526.58	
barometric	geodesy	526.37	
spirit		526.36	
surveying		526.95	
trigonometric		526.38	
Lever			
application	obstetrics	618.81	
mechanics		531.81	
Levers			
ordnance implements		623.463	
Levigation	prac. chem.	542.22	
¹ Levis co. Que.	history	971.459	
Levitation	spiritism	133.9	
Leviticus	Bible	222.13	
Lewes, Mrs G: H:	Eng. fic.	823.88	
Lewis, M. G.	Eng. fiction	823.71	
¹ Lewis co. Mo.	history	977.8345	
¹	N. Y. "	974.759	
¹	W. Va. "	975.461	
Lex mercatoria	law	347.7	
Lexicografy, comparativ		413	
²	Eng. language	423	
³ Lexicons	see Language		
²	on special topics see subject		
Lexington, battle	Am. rev.	973.3311	
	ship " "	973.353	
Liabilities	bilding	692.9	
Liability			
acts, employers		331.82	
insurance	business	368.4	
	pol. econ.	331.25	
to military servis		355.22	
Lias	geology	551.76	
Libby prison	U.S. civ. war	973.7712	
Libel	law	347.5	
Liberal			
christianity	rationalism	211	
	unitarianism	288	
degree, subjects allowable		378.242	
Liberality	ethics	179.9	
¹ Liberia	history	966.6	

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Liberty

civil law	347.1
political science	323.44
ecclesiastic polity	262.8
metaphysics	123
of conscience eccles. pol.	262.8
press journalism	070.13
political science	323.445
will mental faculties	159
personal doctrin	233.7
law	347.1
political sci.	323.44
salvation	234.9
religious church	261.7
state ethics	172.3

Librarian

apartment lib. bildings	022.691
chief	023.4
duties	023.7
hours	023.6
qualifications	023.51
Y. M. C. A.	267.342

Librarians biograpy

920.2

Libraries

architecture	727.8
arguments against	021.02
for	021.01
for blind	027.6
working classes	
lib. econ.	027.6
pol. "	331.85
free public lib. "	027.4
state control	351.852
general lib. econ.	027
home " "	021.67
house " "	021.66
imaginary book rarities	098
in block, buying	025.225
parochial lib. econ.	027.8
parish work	257
private lib. econ.	027.1
regulations for readers	024
school education	371.64
lib. econ.	027.8
scope and founding	021
special for schools	021.33
special subject	026
Sunday opening lib. econ.	024.41
theol.	263.7
traveling	021.65
in sense of series see subject	

Library

administration	025
benefit associations	023.59

Library

bildings	022
architecture	727.8
schools	371.622
Bureau	020.65
catalogs author	018
dictionary	019
subject	017
commission room bldgs	022.612
cranks lib. decorum	024.52
departments, state	021.82
economy	020
fires	022.26
furnishings dom. econ.	645.63
furniture	022.9
fixt	022.349
government	023
legislation lib. econ.	021.89
meetings staf privilege	023.68
name on book binding	025.254
post, cheap lib. law	021.863
progress	021.03
property staff rules	023.94
rooms Y. M. C. A.	267.325
schools	020.7
staff organization	023.7
Y. M. C. A.	267.3532
Librations moon	523.33
Librettos opera	782
Libya ancient history	939.77
Libyan sheep	636.386
Lice animal parasites	616.9681
biting agric. pests	632.75
License	
local government	352.8
of dentists pub. helth	614.24
pharmacists " "	614.24
physicians " "	614.24
teachers education	371.13
taxation	336.27
temperance	178.4
Licenses, maritime	387
Lichens botany	589.1
Licinian laws pol. econ.	333
Roman hist.	937.02
¹ Licking co. O. history	977.154
Lidner, Bengt Swed. poet.	839.7153
Lieberkühn's glands	611.3415
Lieder vocal music	784.4
¹ Liège history	949.3
travels	914.93
Lien laws	347.2
Liernur system sewerage	628.213

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Life		Light	
animal painless extinct.	614.971	electric engineering	621.32
appointment to legis. body	328.3351	lib. bildings	022.754
army	355.1	physics	537.83
biology	570	houses engineering	627.9
boats outfit	623.86	navigation	656
protection of life	614.867	optics	535.88
shipbilding	623.829	houses protec. of life	614.865
conditions of biology	577.4	infantry mil. sci.	356
contingencies math.	519.5	mesology	612.01444
elixir of alchemy	540.1	of earth	525.2
ethics	179.7	moon	523.32
future doctrinal theol.	237	stars	523.82
natural "	218	sun	523.72
insurance	368.3	optics	535
probabilities	519.5	perspectiv of shadows	515.63
metaphysics	111	photochemistry	541.35
nature of physiol.	612.013	polarization of	535.5
navy	355.1	cherapeutics	615.831
of legislatures	328.354	zodiacal astronomy	523.59
origin of biology	576	Lighters boatbilding	623.829
polit. sci.	323.43	power "	623.8232
preservers protec. of life	614.867	Lighthouse	
ship outfit	623.86	tenders shipbilding	623.826.
properties of living matter	577	Lighting	
protection from accidents	614.8	decorativ fine arts	745
saving servis protection	614.868	electric engineering	621.32
transport.	656	physics	537.83
sedentary hygiene	613.65	engineering	628.9
tables life insurance	368.3	library bildings	022.7
Lifting		mediums chem. tech.	665
bridges engineering	624.84	mines	622.47
committee legislation	328.375	panels elec. eng.	621.31727
machinery hydraulic	621.263	school bildings	371.627
mech. eng.	621.86	shipbilding	623.85
rams "	621.272	systems dom. econ.	644.3
Lifts		windows architecture	729.38
book library econ.	022.945	Lightning	
canal engineering	626.5	agriculture	632.15
domestic economy	643.6	arresters elec. line	621.31982
mechanic engineering	621.87774	stations	621.3178
school equipment	371.629	telephone central	621.38794
Ligaments anatomy	611.72	terminal	621.38694
of larynx	611.227	telegraf	621.38328
uterus	611.667	deth by electrophysiol.	612.014425
Ligatures therapeutics	615.813	physics	537.4
Light		rods physics	537.4
and air hygiene	613.1	shock surgery	617.12
shade arch. design	729.14	Lights	
shadow, grafics of	515.7	and fuel dom. econ.	644
animal production physiol.	612.772	shades drawing	742
zoology	591.59	perspectiv	515.63
effect on iris physiol.	612.8423	chemic technology	665
plants	581.1	ecclesiology	246.6

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Lightships	shipbuilding	623.826	Lincolnshire	buffs	poultry	636.526
Lignite	econom. geol.	553.22		cattle		636.2224
Liguria, Italy	history, anc.	937.1		sheep		636.3214
	antiquities	913.371		swine		636.4245
	history mod.	945.1	Lincrusta	paperhanging		698.8
	travel	914.51	Lindau, Paul Ger.	drama		832.85
Liliaceæ	botany	584.32	Linde apparatus	chem.		542.79
Lillo, G:	English drama	822.57	Lindsley's	takigrafy		653.71
¹ Lima, O.	history	977.1421	Line			
¹	Peru	985	breeding	zootchny		636.08241
	travel	918.5	electric	traction		621.332
Lima bean		635.653	transmission			621.3192
Limbers	ordnance	623.4314	engraving			765
Limbic lobe	anatomy	611.81314	Lineæ	botany		583.211
Limbo	eschatology	236.7	Linear	perspectiv		515.61
Limbs	anatomy	611.98	Linen			
	artificial	617.58	bed	dom. economy		645.67
Limburger cheese		637.3533	fabrics	" "		646.12
Limbus			furnishings	" "		645.48
	infantum	eschatology	manufacture			677
	patrum	"	table	dom. economy		642.7
Lime, <i>see</i> Limes			Lines			
Limeberry		634.342	analytic	geometry		516
¹ Limerick, Ireland	history	941.94	descriptiv	"		515
	treaty of	941.56	electric	engineering		621.319
Limes	building material	691.5	geometry			513
	chemic technol.	666.9	Ling, P. H.	Swed. poetry		839.7161
	disinfectants	614.48	Lingual artery	anatomy		611.13322
	economic geology	553.68		tonsi		611.325
	fertilizers	631.821	Linguistics			400
	fruit culture	634.337	Linguists	biografy		924
Limestone	crystallin	552.46	Lingula	anatomy		611.8185
	econom. geol.	553.51	Linings			
	lithology	552.54	masonry	mining		622.28
	sheep	636.3256	mineral wool	masonry		693.67
Limitation			watertight	mining		622.56
	election expenditures	324.273	Link motion	mech. eng.		621.84
	individual rights	323.49	Linkages	machinery		621.84
Limited			¹ Linlithgow, Scot.	history		941.44
	editions	094	¹ Linn co. Ia.	"		977.762
	vote suffrage	324.223	¹	Mo.		977.824
¹ Limousin, France	history	944.66	Linnæan system	botany		580.1
	sheep	636.3425		zoology		590.1
	swine	636.445	Linné, K; von	Swed. misc.		839.7842
Limpets	zoology	594.3	Linoleum			
Lincoln, A.	presidency of	973.7	domestic	economy		645.1
¹ Lincoln co. Eng.	history	942.53	library	"		022.961
	travels	914.253	manufactures			679
¹	Me.	history	Linotype			
¹	Mo	"	newspapers			070.3222
¹	Ont.	"	printing			655.28
¹	W. Va.	"	Lintels	architec. constr.		721.86
¹	Wis.	"	Linton	sheep		636.3252
			Lions	zoology		599.7

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- Lip
 reading education 371.912
- Lipoids
 in blood physiology 612.123
 physiology of nutrition 612.3978
- Lipolytic ferments physiol. 612.3973
- ¹Lippe, Germany history 943.55
- Lippi, Lorenzo Ital. satire 857.54
- Lips anatomy 611.317
 physiol. of speech 612.7892
- Liptocardii fishes 597.1
- Liquefaction
 heat 536.42
 of gases chem. 542.79
 physics 533.2
- Liquid
 air physics 533.2
 fertilizer distributors 631.3334
 fuel chem. tech. 662.6
 fuels steam engin'g 621.18223
 state chemistry 541.32
 treatment prac. chem. 542.6
 wastes indus. sanitat'n 628.54
- Liquids
 absorption by skin 612.7914
 in lungs 612.2159
 physics 532
 volumetric analysis 545.6
- Liquor laws
 administration 351.761
 license 178.4
 prohibition 178.5
- Liquors
 internal revenue 336.27
 manufacture 663
 taxation 336.27
 traffic in temperance 178.4
 use of " 178.1
- ¹Lisbon history 946.9
 travel 914.69
- Liscow, C. L; Ger. satire 837.54
- ¹L'Islet co. Que. history 971.474
- Lissauer's tract anatomy 611.8255
- List
 system suffrage 324.224
- Lists
 electoral suffrage 324.241
 legislativ bodies official 328.338
 unofficial 328.339
- Litanies sacred music 783.26
- Litany Anglic. church 264.033
- ¹Litchfield co. Ct. history 974.61
- Litchi 634.771
- Literary
 addresses 804
 on special topics see topic
 clubs self education 374.23
 criticism, art of 801
 with thing criticized see subject
 esthetics 801
 frauds and forgeries 809
 history 809
 institutions colleges 378
 men biography 928
 diet for hygiene 613.21
 methods library econ. 029
⁵miscellanies, English 828
 occupations hygiene 613.65
 periodicals 805
 property law 347.3
 publishing 655.6
 societies student life 371.84
 style rhetoric 808
- Literature 800
 biography of 928
 children delineated in 136.758
 classic (Greek and Latin) 880
 immoral ethics 176.8
 lib. exclusion 025.217
 restriction 024.674
 medieval 800
 modern 800
 relation to pol. econ. 330.198
 woman delineated in 396.8
- Lithium chemistry 546.34
- Lithography engraving 763
- Lithology geology 552
 microscopic 552.8
- Lithophytes zoology 593.6
- Lithotomy surgery 617.46
- Lithotripsy " 617.46
- Lithozincography 767
- ¹Lithuania history 947.5
 travels 914.75
- ⁴Lithuanian language 491.92
- Litoral rights pol. econ. 333.9
- Little
 Belt and President
 U. S. history 973.51
- ¹ Kanawha val. W. Va. hist. 975.42
- ¹ Russia history 947.7
 travels 914.77
 shelbark hickory 634.522
 sisters of the poor 271.95
- Littre's gland anatomy 611.6234
- Liturgies 264

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Live stock	agriculture	636	Lobsters		
	insurance	368.5	fishery		639.5
Liver			zoology		595.38
anatomy		611.36	Local		
diseases of		616.36	government administ.	352	
physiology		612.35	histories	see name of place	
secretions	physiology	612.35	history room	lib. bldgs	022.64
¹ Liverpool	history	942.72	legislation		328.378
	travels	914.272	option	temperance	178.4
Liverworts	botany	588.3	taxation for pub. schools		379.13
Livery			taxes	finance	336.28
stables	architecture	725.38	Localizations		
uniforms	dom. econ.	647.33	cerebral physiology		612.8252
Lives	biography	920	in animals	comp. "	612.82525
	of American indians	970.2	Location		
	gipsies	397	of bridges	engin'g	624.14
	slaves	326.92	college or university		378.15
Living			factories		621.701
cost of		647.1	farm		631.11
matter, properties of		577	house	dom. econ.	643.1
room	dom. economy	645.65	library buildings		022.1
wage	polit. econ.	331.214	observatories		522.11
Livingston, W:	Am. poet.	811.15	roads	engin'g	625.72
¹ Livingston co. Ill.	hist.	977.361	Loci		
¹	Mich.	" 977.436	in space	analytic geom.	516.3
¹	Mo.	" 977.822	plane	" "	516.1
¹	N. Y.	" 974.785	Locke, D: R.	Am. humor	817.42
¹ Livonia, Russia		947.4	J:	Eng. philosophy	192.2
	travel	914.74		sensationalism	145
¹ Livonian language		491.93	Locking up	printing	655.27
Livy	Latin literature	878.4	Lockjaw	diseases	616.854
Lixiviation	prac. chem.	542.61	Lockouts	capital & labor	331.895
Lizards	reptils	598.11	Locks		
Ljunggren, G. H. J.		839.7465	and keys	manufacture	683
Llama	domestic animals	636.296	architectural	construction	721.88
Load			canal	engineering	626.4
bridge	engineering	624.172	nut	railway engineering	625.15
floor	lib. bilding	022.438	Lockups	architecture	725.62
Loaders, hay		631.3533	Locomotion		
Loadstone			animal	comp. anatomy	591.47
economic geology		553.3	communication		656
magnetism		538.1	organs of	pathology	616.7
Loan funds, student		378.362	physiology		612.76
institutes	pol. econ.	332.3	Locomotiv cranes		621.875
systems	lib. "	025.6	Locomotivs		
¹ Loango, Africa	history	967.2	comprest air		621.42
	travel	916.72	electric engineering		621.3342
Loans			railroading		656
library	lib. econ.	024.6	steam engineering		621.13
private finance		332.3	Locomotor ataxia	diseases	616.83
public	"	336.3	Locris, Greece	anc. hist.	938.3
Loaseæ	botany	583.453	Locusts	econ. zoology	591.69
Lobbying	legis. bodies	328.368		pests	632.72
Lobelia	cerebrospin. pois.	615.98	Lodges, porter's	architec.	728.91

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- Lodging houses for poor 362.5
 Lodgings, student 371.87
 Log book seamanship 656
¹Logan co. Ill. history 977.357
¹ O. " 977.146
¹ W. Va. " 975.444
 Loganberry agriculture 634.714
 Loganiaceæ botany 583.74
¹Logansport, Ind. hist. 977.286
 Logarithms 510.8
 Logau, F; von Ger. poetry 831.53
 Logging timber trade 674
 Logia sayings of Jesus 229.9
 Logic 160
¹Logical machines 164
 Logos Christology 232.2
 Logotypes printing 655.23
 Logrolling legislation 328.3745
 Logs
 speed ship outfit 623.86
 Lohenstein, D. C. Ger. dram. 832.52
¹Loir et Cher, France hist. 944.53
 Loir-et-Cher sheep 636.3449
¹Loire France history 944.58
 basin sheep 636.344
¹ Inférieure, France hist. 944.14
¹Loiret " " 944.52
 Lollards religious sect 289.9
 Lombard
 kingdom, Italy history 945.01
 street banking 332
¹Lombardy, Italy history 945.2
 Lönberg, Jens Dan. drama 839.8235
¹London, Eng. history 942.1
 travel 914.21
¹ Ont. history 971.326
¹Londonderry, Ire. history 941.62
 Long
 distance telefony 621.38781
 eard swine 636.433
 horned cattle American 636.2821
 English 636.2288
¹ Island, N. Y. history 974.721
 battle Am. revol. 973.3322
¹ Point island, Ont. hist. 971.336
 running squash 635.622
 tailed sheep 636.35
 wool " 636.321
 Longevity animals 591.139
 librarians 023.58
 life insurance 368.3
 physiology 612.68
 probabilities 519.5
 statistics 312
- Longfellow, H: W. Am. poet 811.34
¹Longford, Ireland history 941.81
 Longissimus dorsi anat. 611.73136
 Longitude
 at sea navigation 527.2
 determinations geodesy 526.62
 geocentric theor. astron. 521.26
 heliocentric " " 521.25
 methods of finding 525.46
 variations theor. astron. 521.28
 Longley shorthand 653.63
 Longus Danish misc. 839.8811
 Longus colli anatomy 611.7336
 Lonk sheep 636.3254
¹Loo-choo islands history 952
 travel 915.2
 Looking glasses optics 535.87
 toilet 391
 Lookout mt U.S. civ. war 973.7359
 Loom, power manufact. 677
 Loosjes, Adriaan Dutch fict. 839.3351
 Loots, Cornelis " poet. 839.3153
 Lope de Rueda Span. dram. 862.39
 Lope de Vega " " 862.31
 Lopez, de Ayala, P. " poet. 861.21
 Lophobranchii fishes 597.5
 Loquat fruit culture 634.16
¹Lorain city, O. history 977.1231
¹ co. O. " 977.123
 Loranthaceæ botany 583.941
 Lord chancellors biography 923.442
 Lord's day 263.3
 prayer 226.9
 supper sacraments 265.3
 Loris, Guillaume de Fr. poet. 841.18
¹Lorraine, France history 944.38
¹ Germany " 943.45
¹Los Angeles city, Cal. hist. 979.494
¹ co. " " 979.493
 Loss of animal heat physiol. 612.52
 citizenship pol. sci. 323.64
 fertilizing principles 631.814
 Losses
 regimental U.S. civ. war 973.7419
 Lost books book rarities 098
 lib. economy 024.85
¹Lot, France history 944.73
¹ et Garonne, Fr. hist. 944.76
 Lot sheep 636.3466
¹Lotbinière co. Que. hist. 971.458
 Loteae legume crops 633.374
 Lothaire 1 German history 943.01
 2 " " 943.023

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Lotteries	ethics	174.6	Low		
	history of	174.6	pressure engines	621.11252	
Lotus	Egyptian religion	299.31	hot water heating	697.4	
Lotze	German philosophy	193.8	steam	697.5	
Louhans	poultry	636.544	velocity overshot wheels	621.221	
Louis			Lowell, J. R.	Am. poetry	811.37
6	French history	944.022	Lowenthal's tract	anat.	611.8256
7	"	944.022	Lower		
8	"	944.023	¹ California, Mex.	history	972.2
9	"	944.023	¹ Canada	history	971.4
10	"	944.024	¹ empire	Byzantine	949.5
11	"	944.027	extremities	anatomy	611.98
12	"	944.027	bones		611.718
13	"	944.032	bursae		611.758
14	"	944.033	joints		611.728
15	"	944.034	lymf glands		611.468
16	"	944.035	lymfatics of		611.4218
18	"	" first emp.	muscles		611.738
	"	" restorat'n	surgery		617.58
1	German	"	¹ Guinea	history	967.1
2	"	"	travel		916.71
3	"	"	house	legislativ bodies	328.32
4	"	"	Silurian group	geology	551.731
	Napoleon	French hist.	Lowland German swine		636.431
	Philippe	"	Loyal legion	mil. order	369.152
¹	Louisa co. Ia.	"	volunteers, society		369.153
	Louisburg	U. S. hist.	Loyalists		
	Louisiana, U. S.		Amer. revol.	Can. hist.	971.024
	admission	U. S. history	U. S.	"	973.314
¹	history	976.3	Loyalty		
			¹ islands	history	993.3
			political science		320.158
			state ethics		172.1
			¹ Lozère, France	history	944.81
			¹ Lubeck, Germany	"	943.17
			Lubricants		621.89
			Lubrication		
			mechanical engineering		621.89
			railway	"	625.21
			steam locomotiv		621.1345
			Lubricators	steam plant	621.1977
			Lucan	Latin epic poetry	873.2
			¹ Lucas co. Ia.	history	977.786
			¹	O.	977.112
			¹ Luce co. Mich.	"	977.492
			Luce de Lancival, J: C: J.		841.64
			Lucernariæ	zoology	593.74
			Lucian	Greek literature	888.7
			Lucidor	Swed. poetry	839.7132
			Lucilius, Caius	Lat. satire	877.1
			Junior	" poetry	871.7
			¹ Lucknow, India	history	954.2
			travels		915.42

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- Lucretius ancient philos. 187
 Latin poetry 871.1
 Ludwigslied Ger. poetry 831.13
 Luffa 635.627
 Luke gospel 226.4
 Lull, Raimon Catalan poet 849.9111
 Lullabies folklore 398.8
 music 784.4
 Lumbago diseases 616.74
 Lumbar arteries anat. 611.1362
 cord " 611.8214
 nervs " 611.835
 region " 611.959
 veins " 611.1461
 vertebrae " 611.7116
 Lumber bilding material 691.1
 manufacture 674
 wagons farm transport 631.3735
 Lumbosacral joints anat. 611.7216
 muscles " 611.7313
 nervs " 611.8353
 Lumbricales of foot " 611.7389
 hand " 611.73771
 Lunacy law 347.1
 mind and body 132.1
 Lunar
 caustic therapeutics 615.775
 eclipses astronomy 523.38
 methods find'g longitude 525.49
 tables 523.33
 Lunatic asylums 362.2
 Lunatum, os anatomy 611.71772
 Lunch
 counters table systems 642.57
 rooms lib. bildings 622.684
 school table sys. 642.58
 Luncheon recipes 641.53
 Luncheons entertaining 642.42
 Lunches dom. econ. 642.3
 Lundy's Lane U.S. war 1812 973.5237
¹Lunenburg co. N. S. hist 971.623
 Lungs
 absorption by 612.385
 of liquids in 612.2159
 admin. of medicin by 615.64
 anatomy 611.24
 capacity of physiol. 612.24
 diseases of 616.24
 functions of 612.2
 loss of heat in 612.523
 Lupin forage 633.367
 Luray caverns description 551.44
 Luschka's tonsils anat. 611.324
 villi " 611.8193
¹Lusitania history 946.9
 Luster ware pottery 738
 Lute stringd instruments 787.6
 Lutheran church 284.1
 confession creeds 238.4
 Lutherans biografy 922.4
 Luting practical chem. 542.26
 Luxemburg, house of 943.026
 Luxfer prisms lighting 628.9
 Luxury economics 339
 ethics 177.4
 hygiene 613.88
 Luys, nucleus of anat. 611.8141
 Luzern swine 636.431
¹Luzerne co. Pa. history 974.832
 Lycanthropy insanity 132.1
 Lycées French schools 379.44
 Lyceum Gk filosofy 185
 Lyceums self-education 374.23
 Lycia ancient history 939.28
 antiquities 913.3928
¹Lycoming co. Pa. " 974.851
 Lycophron Gk poetry 881.3
 Lycopodinæ botany 587.9
 Lycurgus Gk oratory 885.8
 Lyddite chem. tech. 662.2
 Lydgate, J: Eng. poetry 821.21
 Lydia ancient history 939.22
 Lying ethics 177.3
 Lying-in-hospitals
 architecture 725.51
 institutions 362.1
 Lyly, John Eng. fiction 823.3
 Lymf histology 611.01857
 Lymfatic
 duct, right anatomy 611.425
 glands " 611.46
 harts comp. physiol. 612.424
 system anatomy 611.4
 diseases of 616.4
 surg. opera. 617.44
 vessels anat. 611.42
 Lymfatics anatomy 611.42
 diseases of 616.42
 Lynch law 343.2
 Lynchburg
 campain U. S. civ. war 973.7369
 Lyndsay, D: Eng. poetry 821.26
¹Lyon co. Ia. history 977.711
¹Lyonnais, France history 944.58
¹Lyons " " 944.58
 travels 914.458

Lyric drama, <i>see</i> Opera	
poetry, English	821.04
Greek	884
Latin	874
Lysias Greek oratory	885.2
Lyskander, K. Dan. misc.	839.883
Lytharieæ botany	583.441
Lytton E:G:B. Eng. fic.	823.84
Mabinogion Welsh literat.	891.661
⁵ Macaronics Eng. "	827
Macaulay, T: B. " essays	824.83
Maccabees Bible	229.7
McCosh, James Am. philos.	191.5
¹ McDonald co. Mo. hist.	977.8736
¹ McDonough co. Ill. hist.	977.342
¹ McDowell co. W. Va "	975.449
Macedonia Greek history	938.1
ship U. S. war 1812	973.5251
Macedonian	
dialect Greek lang.	487.81
sheep agriculture	636.373
supremacy Greek history	938.07
Maceration	
practical chemistry	542.61
¹ McHenry co. Ill. history	977.322
Ft U.S. war 1812	973.5238
Machiavelli, N. Ital. dram.	852.31
essays	854.31
Machine	
design engineering	621.81
engraving	768
gun mounts ordnance	623.4313
guns mil. engineering	623.4224
sheds agriculture	631.25
shop mfg plant	621.75
school equipm't	371.623
shops architecture	725.43
tools mech. engin'g	621.9
Machinery	
engineering	621
farm	631.3
inspection public safety	614.838
in industry pol. econ.	338.4
irrigating	631.78
kitchen	643.34
propelling shipbuilding	623.87
transmission agric.	631.37
Machines	
digging	631.3115
distributing printing	655.28
hydraulic	532.8
mechanics	531.8
modulus of physics	531.43
practical printing	655.36
typesetting	655.28
washing dom. econ.	648.23
see also specific subject	
Machinists' occupations	
hygiene	613.66
¹ McKean co. Pa. history	974.863
Mackenzie, G: Eng. fic.	823.43
H: " "	823.65

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

1Mackenzie ter. Can. hist. 971.22
 Mackerel fishery 639.2
 1Mackinac co. Mich. hist. 977.492
 McKinley, W: presidency 973.88
 tariff act U.S.hist. 973.86
 Mackintosh, J. Eng. essays 824.71
 1McLean co. Ill. history 977.359
 McMahon third republic 944.08
 1Macomb co. Mich. hist. 977.439
 1Macon co. Ill. " 977.358
 1 " Mo. " 977.827
 1Macoupin co. Ill. " 977.383
 Macpherson, J. Eng. poet. 821.66
 Macula lutea
 anatomy 611.843
 Mad houses 362.2
 1Madagascar history 969
 1Madawaska co. N. B. hist. 971.554
 1Madeira island " 946.98
 trav. 914.698
 1Madero co. Cal. hist. 979.481
 Madison, J. presidency of 973.51
 1Madison city, Wis. hist. 977.584
 1 " co. Ill. " 977.386
 1 " Ind. " 977.257
 1 " Ia. " 977.781
 1 " Mo. " 977.891
 1 " N. Y. " 974.764
 1 " O. " 977.155
 Madness
 mind and body 132.1
 Madoc discov. of Am. 973.14
 Madonna
 in art ecclesiology 246
 fine arts 709
 painting 755
 legends 225.92
 mariolatry 230.2
 1Madras, India history 954.8
 travel 915.48
 Madras hemp 633.562
 Madreporaria zoology 593.66
 1Madrid history 946.4
 travel 914.64
 Madrigal music 784.1
 Maerlant, Jacob van 839.3111
 Maffei, S. marchese di 852.56
 Magalhaens discov. of Am. 973.16
 1Maganetawan dist. Ont. hist. 971.315
 Magazine
 guns ordnance 623.4224
 publish by library 025.126
 racks library economy 022.935
 rifles small arms 623.44231

Magazines
 general periodicals 050
 literary 805
 powder, care of 623.4811
 construction of 623.614
 2 special subject see subject
 1Magdalen islands, Que. hist. 971.4797
 1Magdeburg, Prussia " 943.18
 trav. 914.318
 Magellan straits
 discovery U. S. history 973.16
 travels 918.2
 Maggots
 parasitic diseases 616.967
 Magic
 lanterns optics 535.86
 natural 133
 parlor 793
 squares mathematics 511.61
 Magicians lives 920.9
 Magistrates law 347.96
 Magna charta
 constitutional history 342.42
 English history 942.033
 Magnesium
 chemistry 546.46
 group chemistry 546.44
 Magnetic
 machines 538.8
 needle 538.7
 observations 538.7
 separation of ore 622.77
 surveys mining 622.15
 telegraf, business 654
 elec. eng. 621.382
 Magnetism 538
 animal mind and body 134
 electrophysiology 612.014426
 terrestrial 538.7
 Magneto
 boards telephony 621.38722
 chemistry 541.378
 dynamos electricity 537.83
 engineering 621.313
 potential regulators eng. 621.31453
 Magnets
 properties of 538.1
 Magnifiers optics 535.82
 Magnitude of stars 523.82
 Magno, Celio Ital. poetry 851.44
 Magnoliaceæ botany 583.114
 Magnum os anatomy 611.71777
 Maguey fiber 633.5775

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Magyar language	494	Malay	
poultry	636.538	¹ archipelago	history 991
Magyars	history 943.91	travels	919.1
Mahabharata	Sanskrit lit. 891.2	game poultry	636.58815
¹ Mahaska co. Ia.	history 977.784	¹ peninsula	history 959.5
Mahometanism	297	Polynesian languages	499
¹ Mahoning co. O.	hist. 977.139	poultry	636.5854
¹ Mahrah, Arabia	" 953.4	¹ Malaysia	history 991
⁴ Mahratta language	491.46	Male	
Mails	postoffis 383	functions of generation	612.61
Maimonides	oriental phil. 181.3	servants	dom. econ. 647.22
¹ Maine, France	history 944.16	Malebranche	Fr. philos. 194.2
et Loire, Fr.	" 944.18	Males	
Maine, U. S.		adult stockbreeding	636.08231
admission	U. S. hist. 973.54	young	" 636.08237
¹ history	974.1	Malformation of teeth	617.64
indian war	U. S. hist. 973.24	Malformations	
law	temperance 178.5	animal comp. anat.	591.159
mil. hist.	Span. war 973.89441	human anatomy	611.012
U. S. civ. war	973.7441	somatology	573.9
travels	917.41	surgery	617.3
Maine, battleship	Span. war 973.891	vegetable botany	581.22
Mains	steam engineering 621.1853	Malherbe, F. de	Fr. poetry 841.41
waterworks	628.15	Malignant tumors	pathol. 616.994
Maintenance		Malines, coucou de	636.548
roads	engineering 625.76	Malleability	molec. phys. 539.51
soil	631.45	Malleus	anat. of ear 611.857
Maistre, Xavier de	Fr. fic. 843.64	Malmö, B. E.	839.7463
Maize	agriculture 633.15	Malpighiaceæ	botany 583.214
Majagua	" 633.564	Malpighian bodies	anat. 611.415
Majolica	pottery 738	Malposition of teeth	617.64
¹ Majorca	history 946.7	Malpractis	law 343
travels	914.67	public helth	614.26
Majority		Malt liquors	brewing 663.3
election	suffrage 324.262	¹ Malta	history 945.8
to legisl. bod.	328.3355	knights of	929.711
vote	legislative procedure 328.375	Malteries	architecture 725.42
Making redy	printing 655.32	Maltese	goat 536.395
¹ Malabar	history 954.8	swine	636.45
travels	915.48	Malthusianism	population 312
¹ Malacca	history 959.5	Maltose	nutrition 612.39614
travel	915.95	Malvaceæ	botany 583.17
Malachi	Bible 224.99	Malvales	" 583.17
Malacology	zoology 594	Malvern Hill	U. S. civ. war 973.7327
Malacostraca	" 595.36	Mamelukes	Egyptian hist. 962
¹ Malaga	history 946.8	Mamiani della Rovere, T.	854.76
travels	914.68	Mammalia	paleontology 569
goat	636.396	zoology	599
Malar bones	anatomy 611.7163	Mammary	
Malaria	hygiene 613.14	artery, external	anat. 611.1341
marshes	614.772	internal	" 611.1345
Malarial fever	diseases 616.936	glands	anatomy 611.69
public helth	614.53	physiology	612.664
Malarious soils	" " 614.775		

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- Mammary**
 lymph glands anat. 611.4642
 secretion animals 591.146
- Mamzee apple** 634.654
- Mamillary tubercles** anat. 611.8142
- Mammonism** ethics 174.5
- Mammoth**
 cave physical geograpy 551.44
 paleontology 569.6
 zoology 599.6
- Mamon** fruit culture 634.414
- ¹Mamuret el Aziz** hist. 956.6
- Man**
 anatomy 611
 antiquity prehist. arch. 571
 nat. hist. of man 573.3
 doctrinal theology 233
 ethnograpy 572
 in the iron mask biog. 920.8
¹ Isle of history 942.89
 mammals 599.9
 mental characteristics 136
 faculties 150
 natural history of 573
 origin of evolution 575.8
 nat. hist. 573.2
 theol. 213
 physiology 612
- Management**
 business 658
 farm economics 631.1
 in pregnancy 618.24
 industrial 658
 library economy 025
 of household 647
 normal labor 618.44
 state properties 336.11
 puerperal state 618.6
- Manager, city** 352.008
 farm 631.1152
 household 647.21
- Managers Y. M. C. A.** 267.333
- Manassas, Va.** U. S. civil war
 1st battle 973.7314
 2d battle 973.7328
- Manasses, prayer of** Apocr. 229.6
- Mancelle swine** 636.443
- ¹Manche, France** history 944.21
- ¹Manchester, Eng.** " 942.72
 travels 914.272
- ¹Manchuria, China** history 951.8
- Mandarin duck** 636.59785
 orange 634.322
- Mandeville, B. de** Eng. hum. 827.53
- Mandible bone** anatomy 611.7164
 joint " 611.724
- Mandibular nerv** anatomy 611.83156
- Mandolin** stringd instrum. 787.6
- Manetti, Antonio** Ital. fict. 853.23
- Maneuvering machinery** 623.436
- Maneuvers** mil. science 355.5
- Manfredi, E.** Ital. poetry 851.56
- Mangabotti, A. dei** " fict. 853.24
- Mangalicza swine** 636.472
- Manganese**
 chemistry 546.71
 metallurgy 669.7
 ores economic geology 553.46
- Mangel, half sugar** 633.416
 wurzel 633.417
- Mangle** laundry mach. 648.45
- Manholes**
 in sewers 628.253
 steam engineering 621.18455
 underground elec. lines 621.319234
- Mania** mind and body 132.1
 puerperal obstetrics 618.76
- Maniacs** lives 920.8
- Manichæism** heresies 273.2
- Manifolding**
 writing 652
- Manila, battle** Span. war 973.895
- Manilius, Marcus** Lat. poet. 871.5
- Manipulation**
 practical chemistry 542
 therapeutics 615.82
- ¹Manistee city, Mich.** hist. 977.462
¹ " co. " 977.462
- ¹Manitoba, Canada** " 971.27
- ¹Manitoulin islands, Ont.** " 971.3155
- ¹Manitowoc co. Wis.** " 977.567
- Manly** exercezes sports 796
- Manners**
 and customs, general 390
 local, see special countries
 of children dom. econ. 649.6
- Mannose** nutrition 612.39613
- Manometer**
 pneumatics 533.82
 practical chemistry 542.77
 steam engineering 621.1847
- Manor houses** architect. 728.83
- Manors** polit. economy 333.3
- Manrique, Jorge** Span. poet. 861.24
- Mansard roofs**
 architectural construction 721.59
 design 729.35
- ¹Mansfield, O.** history 977.1281

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Mansions architecture	728.3	Maps	912
Manslaughter law	343	aerial aeronautics	629.145
Mansson, P. Swed. misc.	839.781	astronomic, general	524
Mantels decoration	749	moon	523.39
fixt furniture	729.95	planets	523.49
Mantes fowls	636.547	star	523.89
Manual		sun	523.79
alfabets	371.912	classic	912.3
training education	371.42	Great war 1914-19	940.49
Manuals		removed from lib. books	024.83
business commerce	658	school apparatus	371.67
collectors biology	579	special library material	025.176
legislative procedure	328.371	U. S. history civil war	973.799
² special, see subject		Mex. "	973.6299
Manuel, Juan Span. misc.	868.13	revolution	973.399
Manufactories architect.	725.4	Span. war	973.8999
engin'g	621.7	war of 1812	973.5299
Manufacturers credits	332.312	Marathi language	491.46
Manufactures	670	¹ Marathon co. Wis. history	977.529
chemic technology	660	Marble	
military resources	355.26	economic geology	553.51
production	338	inscriptions	417
public health	614.7	Greek	481.7
state control	351.824	Latin	471.7
Manufacturing		² other lang.	
processes elec. eng.	621.318	lithology	552.46
works engineering	621.7	sculpture	731
Manure, stable. agric.	631.86	March, A. Catalan poetry	849.9131
air pollut.	614.761	March form music	786.44
spreders	631.3336	to the sea U.S. hist.	973.7378
Manures		¹ Marche, France history	944.68
fertilizers agriculture	631.86	Marche sheep	636.3423
sewage san. engin'g	628.38	¹ Marches, Italy history	945.6
vegetable agric.	631.87	Marchetti, G. Ital. poetry	851.74
Manuscript catalog lib.econ.	025.3	Marchi's tract anatomy	611.8256
Manuscripts		Marconi wireless telegrafy	621.3842
Bible	220.4	Marcus Aurelius philos.	188.8
book rarities	091	Marenco, L. Ital. drama	852.84
copyright	655.62	Mare's milk dairy	637.171
diplomatics	417	Margaretta (ship) capture	973.351
Latin diplomatics	471.7	Margiana ancient history	939.63
² other languages		Marguerite de Navarre	
library administration	025.171	French fiction	843.31
selection publishing	655.51	Marian persecutions in Eng.	272.6
Manx language	491.64	Mariana, J. de Span. misc.	868.31
Manzoni, Ales. Ital. fict.	853.72	Marie de France Fr. poetry	841.13
poet.	851.73	¹ Maries co. Mo. history	977.859
Map		¹ Marietta, O. "	977.1981
cases library admin.	025.8	Marigold	635.73
storage	022.485	¹ Marin co. Cal. history	979.462
drawing in schools	910.7	Marine	
making	526.98	animals	591.92
projection geodesy	526.8	architecture naval eng.	623.8
Maple sugar plants	633.64	ship bldg	623.8

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Marine		
boilers	621.18422	
corps navy	359	
engins	621.12	
fauna zoology	591.92	
flora botany	581.92	
hospitals institutions	362.1	
insurance	368.2	
law	347.7	
plants	581.92	
surveying	526.99	
zoology	591.92	
Mariners		
compass magnetism	538.7	
occupation hygiene	613.64	
¹ Marinette city, Wis. hist.	977.534	
¹ co. " "	977.533	
Marini, G. Ital. poetry	851.52	
Mariolatry R. cath. theol.	230.2	
¹ Marion city, O. history	977.1511	
¹ co. Ill. "	977.3794	
¹ Ind. "	977.252	
¹ Ia. "	977.783	
¹ Mo. "	977.835	
¹ O. "	977.151	
¹ W. Va. "	975.454	
Marionettes amusements	791	
¹ Mariposa co. Cal. hist.	979.446	
Maritime		
affairs naval science	359	
discovery	910.4	
law	347.7	
quarantine pub. helth	614.461	
registry	355.22	
surveying	526.99	
Marivaux, P. C. de C. de		
French drama	842.54	
fiction	843.52	
Marjoram	635.71	
Mark, gospel of	226.3	
Market gardening agric.	635	
Marketing products agric.	631.18	
Markets		
architecture	725.26	
cattle architecture	725.27	
domestic economy	641.4	
Marking		
laundry dom. economy	648.12	
system education	371.26	
Marks		
communities pol. sci.	321.2	
ownership zootchny	636.0812	
Marl fertilizers agric.	631.822	
lithology	552.54	
Marlowe, C. Eng. drama	822.32	
Marmalade plum	634.432	
Marmarica anc. history	939.76	
¹ Marne, France history	944.32	
Marnix, P. Dutch poetry	839.3127	
Maronites sects	281.5	
Maroons hist. of Jamaica	972.92	
Marot, Clement Fr. satire	847.31	
Marprelate controversy	285.9	
Marque and reprisals		
international law	341.3	
¹ Marquesas ilands history	996.3	
travel	919.63	
Marquetry artistic furnit.	749	
cabinet work	684	
¹ Marquette co. Mich. hist.	977.496	
¹ Wis. " "	977.558	
Marriage		
communal	392.6	
customs	392.5	
ethics	173.1	
law	347.6	
registers genealogy	929.3	
sacrament	265.5	
vital statistics	614.17	
Marrow, bone histology	611.01846	
physiology	612.491	
Marryat, F. Eng. fiction	823.78	
Mars planets	523.43	
seasons astronomy	525.54	
¹ Marseilles history	944.91	
travel	914.491	
Marsh shorthand	653.54	
Marsh sheep	636.331	
swine	636.434	
¹ Marshall co. Ill. history	977.351	
¹ Ind. "	977.288	
¹ Ia. "	977.755	
¹ W. Va. "	975.416	
¹ ilands "	996.8	
¹ Marshalltown, Ia. "	977.7551	
Marshes		
drainage reclamation	631.615	
hygiene of pub. helth	614.772	
physical geology	551.49	
Marsipobranchii fishes	597.2	
Marston, J. Eng. comedy	827.34	
Marsupialia mammals	599.2	
Marsupialida zoology	593.76	
Marthold sheep	636.3469	
Martial Latin satire	877.6	
Martial law jurisprudence	344	
pol. sei.	323.491	
¹ Martin co. Ind. history	977.238	
Martinez de la Rosa, F.	862.51	

¹ Martinique history	972.98	Masseter muscle anat.	611.73271
travels	917.298	¹ Massillon, O. history	977.1623
Martorel, Joanet Catal.fict.	849.933	Massinger, P. Eng. drama	822.37
Martyrs persecutions	272	Master and servant fam.eth.	173.8
Marvel, Ik Am. miscel.	818.32	law	347.6
Marvell, Andrew Eng.sat.	827.43	Mastersingers Ger. poetry	831.38
Mary		Mastication	
queen of Eng. Eng. hist.	942.054	muscles anatomy	611.7327
Scots Scot. "	941.05	physiology	612.311
Virgin biography	225.92	Mastitis obstetrics	618.71
Rom. cath. theol.	230.2	Mastmaking shipbuilding	623.85
¹ Maryland, U. S. history	975.2	Mastodon paleontology	569.6
For military history, see subdivisions of Special campaigns and Military history under 973.3, 973.52, 973.7 and 973.89		Mastoid	
travel	917.52	cells anatomy	611.8547
Mascheroni, L. Ital. poetry	851.62	ear diseases	617.87
¹ Mashona, Africa history	968.9	glands anatomy	611.4632
¹ Maskinonge co. Que. hist.	971.444	Masts shipbuilding	623.85
Masks dramatic music	782.9	Matamoras	
Mason		battle Mexican war	973.6234
and Dixon's line slavery	326.973	¹ history	972.1
¹ co. Ill. history	977.355	¹ Matane co. Que. hist.	971.4775
¹ Mich. "	977.461	Matches chem. tech.	662.5
¹ W. Va. "	975.433	mil. engin'g	623.4541
Masonry		sports	797
adhesivs bilding	691.5	Matchmakers	
engin'g	620.15	occupation hygiene	613.62
anti- secret societies	366.1	Maté agriculture	633.77
building	693	Materia medica medicin	615.1
bridges, archt	624.63	zootech.	636.0895
fortifications	623.123	Material	
lining mining	622.28	appropriate to library	021.16
roofs architecture	721.52	balloon aeronautics	629.161
village houses archit.	728.6	rooms for special lib.bldg	022.63
Masons secret societies	366.1	Materialism philosophy	146
Masquerades amusem'ts	793	Materials	
customs	394.2	building	691
Mass		bridge engineering	624.01
balancing steam turbins	621.16537	clothing dom. econ.	646.1
catholic ritual	264.025	hygiene	613.481
sacred music	783.2	engineering	620.1
law of gravity	531.54	factory storage	621.7962
of earth	525.11	foundation bridges	624.153
recitativ music	784.2	insulating elec. engin'g	621.31937
¹ Massac co. Ill. history	977.3997	library bildings	022.2
Massachusetts, U. S.		bookbinding	025.7
¹ history	974.4	bookcases	022.441
For military history, see subdivisions of Special campaigns and Military history under 973.3, 973.52, 973.7 and 973.89		protectiv agric. pests	632.95
King Philip's war	973.24	strength of engineering	620.11
Shay's rebellion	973.318	molec. phys.	539.4
travel	917.44	Maternity	
Massage therapeutics	615.82	ethics	173
		hospitals	362.1
		architecture	725.51
		medicin	618

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index.

- Mathematical**
 crystallografy 548.7
 drawing 744
 instruments 510.8
 probabilities 519.2
 tables 510.8
 theory gravity exper. 526.71
 of music 781.1
 tides 525.61
Mathematicians biografy 925.1
Mathematics 510
Mathews, C. Am. drama 812.32
Mathurins monastic order 271.79
Matins catholic ritual 264.023
Matriculation schools 371.21
Matrimony, see Marriage
Matter
 metaphysics 117
 physical chemistry 541
 physics 530.1
 properties of living 577
Matthew, gospel of 226.2
Matthias German history 943.035
Mattias, Canon Swed. misc. 839.781
Matting dom. economy 645.1
 lib. " 022.962
Mattock 631.3116
Maturity **physiology** 612.66
 plant growth 631.5473
Mauritania ancient hist. 939.71
Mauritius hemp 633.573
 ¹ history 969
Mausoleums 718.
Maxillary
 artery, external anat. 611.13323
 internal " 611.13328
 bone, inferior " 611.7164
 superior " 611.7161
 glands, internal " 611.462
 nerv, inferior " 611.83156
 superior " 611.83154
Maxim gun ordnance 623.4225
Maxima and minima
 algebra 512.3
 calculus 517.27
 geometry 513.19
Maximilian ¹ Ger hist. 943.029
 ² " " 943.033
⁵**Maxims** Eng. literature 828
 law 340.9
² on special topics see subject
May ¹ labor holidays 331.817
- Maya**
 architecture 722.9
 civilization antiq. 913.72
 Mex. hist. 972.015
 language 497
Mayaceæ botany 584.37
Maydeæ grass crops 633.281
¹**Mayenne, France** hist. 944.16
Mayflower descendants soc. 369.124
Maynard, F. Fr. poetry 841.42
¹**Mayo, Ireland** history 941.73
Mayor Fr. local gov. 352.0447
Mazurka piano music 786.44
Meal mills architecture 725.47
Meals domestic economy 642
Mealy bug pests 632.75
Mean
 time solar day 529.1
 value probabilities 519.6
Measles diseases 616.915
 public health 614.523
Measurements see Mesurements
Measures, see Mesures
Measuring, see Mesuring
Meat
 as food dom. econ. 641.3
 food values 641.12
 hygiene 613.28
 physiology 612.39281
 cookery 641.6
 fresh, inspection of 614.317
 markets dom. econ. 641.4
 preservation chem. tech. 664.9
 preservd, inspection of 614.319
 production zootechny 636.0883
 supply production 338.1
¹**Meath, Ireland** history 941.82
¹**Mecca, Arabia** history 953.2
 travels 915.32
 sheep 636.385
Mechanic arts and trades 680
 servis lib. econ. 023.77
Mechanical
 arithmetic 510.8
 drawing 744
 engineering 621
 equivalent heat 536.7
 haulage mining 622.66
 injuries, effects of med. 616.982
 musical instruments 789
 preparation mining 622.7
 rectifiers elec. eng. 621.31372
 refrigeration engin'g 621.5
 remedies therapeutics 615.81

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Mechanical				Medical	
stokers	steam engin'g	621.1836		education	610.7
tackle	engin'g	621.863		state control	614.21
threshers		631.3612		electricity	elec. engin'g 621.3915
trades		680		physics	537.87
training		607		therapeutics	615.84
	in schools	371.42		ethics	174.2
Mechanics				inspection of schools	371.712
applied		620.1		jurisprudence	340.6
factory organization		621.705		museums	610.77
institutes	exhibitions	606		police	614.29
liens	law	347.2		practis pathology	616
lives		926		state control of	614.25
physics		531		profession, <i>see</i> Medicin; Physicians	
Mechanism				schools	610.71
animal	physiol.	612.76		societies	610.6
engineering		621.8		testimony	614.23
of labor	obstetrics	618.41		law	340.6
steam engin		621.11		zoology	591
Meckel's diverticulum		611.3412		Medicated baths	
ganglion		611.89154		admin. of medicin	615.67
¹ Mecklenburg, Ger.	hist	943.17		Medication	
Mecklenburg				admin. of medicin	615.6
declaration	Am. revol.	973.313		hypodermic	615.63
horse		636.143		Medici, L. de	Ital. poetry 851.23
sheep		636.3332		Medicin	610
swine		636.434		chemic analysis	543.4
¹ Mecosta co. Mich.	history	977.452		dental	617.6
Medal of honor legion		369.114		economic botany	581.63
Medallion				zoology	591.63
windows	arch. decora.	729.82		legal	340.6
Medallions	numismatics	737		preventiv pub. helth	614
Medals	carving	736		state control of	614.2
	numismatics	737		veterinary	619
Media	ancient history	935.3		Medicinal	
Median nerv	anatomy	611.8335		plants	agriculture 633.88
Mediastinal artery	anat.	611.1355		materia medica	615.32
glands	"	611.4644		use of stimulants	178.1
Mediastinum	"	611.27		Medicins	
testis	"	611.6315		general action	thera. 615.5
Mediatized				groupt by effects	615.7
states	political science	321.026		patent	adulterations 614.353
Medic, black	forage crop	633.31		state control	614.27
Medical				therapeutics	615.88
analysis	chemistry	543.4		Medico-legal relations	614.23
biografy		926.1		Medieval	
books	lib. restriction	024.673		architecture	723
botany	econ. botany	581.63		art, history of	709
materia medica		615		customs and costumes	390
dep't	Great war	940.475		designs	745
U.S. hist.	civ. war	973.775		Europe	history 940.1
diagnosis	revol.	973.375		³ Latin	479
		616.07		philosofy	189
				science	502

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- | | | | | |
|--------------------------------------|----------------------|--|---------------------------------------|---------------------------|
| Medieval | | | Melons | 635.61 |
| sculpture | 734 | | Melting | prac. chem. 542.48 |
| therapeutics | 615.89 | | points | thermochem. 541.36 |
| ¹ Medina co. O. history | 977.135 | | Melville, Herman | Am. fic. 813.36 |
| Mediotarsal joint anat. | 611.72854 | | Members | |
| Meditations theology | 242 | | exofficio | legis. bodies 328.332 |
| Mediterranean sea | | | number | " " 328.3349 |
| physical geology | 551.462 | | Membership | |
| poultry | 636.55 | | fees, library | 024.21 |
| travels | 910.4 | | legislativ | bodies 328.33 |
| Medium wood sheep | 636.323 | | without vote | 328.331 |
| Mediums spiritualism | 133.9 | | lists, legislativ | official 328.338 |
| Medlar | 634.15 | | unofficial | 328.339 |
| Medo-Persia anc. history | 935 | | Membrana tympani | |
| Medulla oblongata | | | ear diseases | 617.85 |
| action on blood vessels | 612.1812 | | Membranes | |
| hart | physiol. 612.1785 | | admin. of medicin | by 615.66 |
| respiration | " 612.282 | | cellular | histology 611.01818 |
| anatomy | 611.818 | | of the hart | diseases 616.11 |
| physiology | 612.828 | | Memoirs biograpy | 920 |
| Medullary | | | scientific soc. | 506 |
| layers | embryology 611.01351 | | Memorial | |
| sheath | histology 611.018834 | | day | school observance 371.365 |
| velum, superior | anat. 611.8163 | | U. S. civil war | 973.768 |
| Medusae zoology | 593.7 | | sermons | biograpy 920 |
| Meekness ethics | 179.9 | | sermons | 252.9 |
| Meerschaum econ. geol. | 553.61 | | Memorials | |
| Meetings | | | American revolution | 973.365 |
| library | propagandism 021.78 | | Great war 1914-19 | 940.465 |
| staff | privileges 023.68 | | U. S. civil war | 973.765 |
| of library | trustees 023.38 | | Memory | |
| war | Great war 940.461 | | in animals | zoology 591.51 |
| U. S. civil war | 973.761 | | mental | derangements 132.8 |
| ¹ Megantic co. Que. hist. | 971.4575 | | faculties | 154 |
| ¹ Lake co. Que. " | 971.469 | | physiology | 612.8212 |
| Megaric philosofy | 183.6 | | Memphis, Tenn. | |
| Megaris ancient history | 938.4 | | U. S. civil war | 973.752 |
| Megatherium paleontol. | 569.3 | | Men. clothing for | 646.32 |
| Megrin diseases | 616.857 | | hedgear for | 646.52 |
| ¹ Meigs co. O. history | 977.199 | | Mena, Juan de | Span. poet. 861.22 |
| Meissner swine | 636.433 | | Menageries | amusements 791 |
| Melancholy mind and body | 132.3 | | zoology | 590.7 |
| ¹ Melanesia history | 993 | | Menander | Greek drama 882.6 |
| travels | 919.3 | | ¹ Menard co. Ill. history | 977.355 |
| Melaphyr lithology | 552.39 | | Mencius oriental philos. | 181.1 |
| Melastomaceæ botany | 583.43 | | Mendelism | botany 581.158 |
| ¹ Melbourne history | 994.5 | | Mendicancy | |
| travels | 919.45 | | state control | 351.763 |
| Meliaceæ botany | 583.251 | | Mendicant orders | 271 |
| Meliorism philosof. syst. | 149.5 | | Mending | dom. econ. 646.24 |
| Melissus Gk philosofy | 182.3 | | ¹ Mendocino co. Cal. hist. | 979.415 |
| Melodeon music | 786.9 | | Mendoza, D.H.de | 861.36 |
| Melody theory of music | 781.2 | | I. L. de | 861.23 |
| Melon papaw | 634.651 | | Menedemus | Gk philos. 183.7 |

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Meningeal artery, great	611.133289	¹ Mercer co. N. J. history	974.965
Meninges		¹ O. "	977.1415
cerebrospinal diseases	616.82	¹ Pa. "	974.895
of brain anatomy	611.819	¹ W. Va. "	975.474
physiology	612.8241	Mercersburg theology	230.41
spinal cord anatomy	611.829	Merchant servis ocean	387
Meningitis diseases	616.82	Merchants bus. ethics	174.4
Menispermaceæ botany	583.116	lives	923.8
Mennonite church	289.7	Mercurials cathartics	615.7326
Mennonites biography	922.87	Mercury	
¹ Mcnominee city, Mich. hist.	977.495	chemistry	546.58
¹ co. Mich. "	977.495	materia medica	615.258
Men's clothing dom. econ.	646.32	metallic poisons	615.927
hats " "	646.52	metallurgy	669.7
Menstruation gynecology	618.17	ores economic geol.	553.45
physiology	612.662	planets	523.41
Mensuration arithmetic	511.8	transits astronomy	523.91
surveying	526.9	vapor lamps elec. light	621.3274
Mental		Mercy, sisters of	271.92
capacity of women		Meridian	
education	376.2	circles astron. instrum.	522.33
psychology	136.1	line practical astron.	522.31
characteristics	136	spheric "	522.76
derangements medicin	616.8	Meridional instruments	522.3
mind and body	132	Mérimeé, Prosper Fr. fic.	843.81
development education	370	Merino sheep	636.36
disability, inherited hyg.	613.92	¹ Merioneth, Wales hist.	942.92
faculties	150	Merit system, <i>see</i> Civil service reform	
of animals zool.	591.51	Mermaids folklore	398.4
healing	615.851	Merovingians Fr. history	944.01
heredity mind and body	136.3	Merrimac	
hygiene	131	and Monitor U.S.civ.war	973.7324
overwork mental hyg.	131	¹ co. N. H. history	974.27
philosofy	150	naval hist. U.S.civ.war	973.752
photographs	139	sinking U.S.war w. Spain	973.895
physiology mind & body	131	Merycismus physiology	612.3275
physiology	612.821	Mesencephalon anatomy	611.815
science	150	Mesenchyme embryology	611.013395
tests childstudy	136.702	histology	611.01825
psychology	150	Mesenteric	
Menubrium anatomy	611.713	arteries anat.	611.1365
Menus domestic econ.	642.1	celiac "	611.1364
Menzini, B. Ital. sat.	857.56	umbilic "	611.1364
Mercantil		nervs "	611.8393
law	347.7	vein, inferior "	611.1492
libraries	027.2-.3	superior "	611.1491
manuals	658	Mesentery anat.	611.383
rules arithmetic	511.8	diseases of	616.38
system econ. theory	330.151	Mesh connections elec. eng.	621.3191332
theory and practis	658	Mesmerism mind and body	134
¹ Merced co. Cal. hist.	979.458	Mesocele anatomy	611.8156
Mercenaries Am. revol.	973.342	Mesodermic organs embry.	611.0136
¹ Mercer co. Ill. history	977.339	Mesogastric region anat.	611.955
¹ Mo. "	977.821	Mesolcgy	612.0144

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- Mesonephros anatomy 611.619
 Mesopharynx anatomy 611.3272
 Mesopotamia anc. history 935.8
 " mod. " 956.7
 travel 915.67
 Mesozoic
 period geology 551.76
 Messala Corvinus Lat. lit. 875.5
 Messengers
 legislative employees 328.3625
 library economy 023.78
 public service 385
 train'g animals as zoot. 636.088661
 Messenia ancient history 938.9
 Messenius, J. Swed. drama 839.7221
 Messiah doctrinal theol. 232.1
 Measurements
 electric engineering 621.37
 physics 537.7
 mental elem. educ. 372.102
 psychology 136.702
 practical chemistry 542.3
 Mesures and weights
 metrology 389
 state control 351.821
 Mesuring
 instruments metrology 389
 physics 530.8
 of angles crystallography 548.7
 surveying 526.93
 distances " 526.92
 heat electric meth. 536.53
 heights surveying 526.94
 light optics 535.2
 ventilation mines 622.46
 Metabolism
 of nitrogen in urea 612.46123
 plants 581.13
 physiologic chemistry 612.0153
 physiology 612.39
 Metacarpal bones anat. 611.7178
 Metacarpophalangeal joints 611.7278
 Metacarpus anat. 611.7178
 Metagenesis animals 591.163
 Metal
 beams bridge engin'g 624.227
 filaments elec. lighting 621.3264
 lath masonry 693.66
 pavements engin'g 625.87
 rollers agriculture 631.3141
 roofing bilding 695.4
 sheet, shop mfg plant 621.792
 Metalized filaments
 elec. light 621.32631
 Metallic
 ceilings architect. 721.74
 doors " 721.82
 floors and flooring " 721.64
 ores econ. geol. 553.3-4
 poisons therapeutics 615.925
 roofs architecture 721.54
 bilding 695.4
 salts emetics 615.731
 tractors cures 615.856
 tremor diseases 616.862
Metallurgy 669
 Metals
 bearing mech. engin'g 621.822
 bilding materials 691.8
 coinage 332.41
 history 669
 inorganic chemistry 546.3
 manufactures 671
 mining 622.34
 organic chemistry 547.9
 transmutation of 540.1
 Metalwork, artistic 739
Metalworking tools, mach. 621.9
Metamorphic rocks geol. 552.4
 Metamorphism phys. geol. 551.6
 Metamorphosis
 botany 581.34
 comparativ physiol. 612.651
 of insects 595.7
 zoology embryology 591.34
 variation 591.151
 Metaphors rhetoric 808
Metaphysics 110
 Metapore anat. 611.8185
 Metatarsal bones " 611.7188
 Metatarsophalangeal joints 611.7288
 Metathalamus anatomy 611.8146
 Métayage 631.114
 Metempsychosis metaphys. 129.4
Metencephalon anatomy 611.817
 Meteoric points astron. 523.53
 showers " 523.53
 Meteorites astronomy 523.51
 lithology 552.6
 Meteorology
 natural history of man 573.4
 physical geology 551.5
 Meteors and comets 523.56
 astronomy 523.5
 systems of 523.54
 Meter
 transformers elec. eng. 621.31438
 weights and mesures 389

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Meters			
electric engineering	621.373		
electric light	621.3286		
¹ English prosody	426.5		
gas chemistry	542.76		
telephone stations	621.38798		
water	628.17		
Methemoglobin physiol.	612.11116		
Method			
of directions geodesy	526.54		
exhaustions calculus	517.1		
independent angles	526.51		
least squares orbits	521.36		
probab.	519.8		
repetitions geodesy	526.56		
summoning legis. bodies	328.351		
Methodist church	287		
episcopal church	287.6		
Methodists biography	922.7		
Methodology metaphys.	112		
Methods			
business	658		
drainage agriculture	631.62		
in special topics see subject			
literary lib. econ.	029		
of education	371		
feeding zootechny	636.0842		
statistics	311		
studying science	507		
surveying	526.91		
teaching chemistry	540.7		
protectiv agriculture	632.94		
Metric system metrology	389		
Métissage zootechny	636.082432		
Metritis obstetrics	618.73		
Metrology	389		
¹ Metz history	943.45		
travels	914.345		
Meung, Jean de Fr. poetry	841.18		
¹Meurthe et Moselle, Fr.	944.382		
history	944.382		
¹ Meuse, France history	944.381		
Mexican			
indians	970.1		
war Mexican history	972.05		
U. S. "	973.62		
nat'l ass'n of veterans	369.146		
pension act U.S. hist.	973.85		
wild turkey	636.59212		
Mexico			
administration	354.72		
antiquities	913.72		
architecture	720.972		
botany	581.972		
		Mexico	
		city battles Mex. war	973.6238
		capture " "	973.6239
		¹ history	972.5
		travels	917.25
		finance	336.72
		geology	557.2
		gulf of phys. geol.	551.463
		¹ history	972
		maps	912.72
		schools, public	379.72
		statistics	317.2
		travel	917.2
		treaties	341.272
		other topics see table 1	
		Mezzotint	766
		Mhains domestic animals	636.293
		¹Miami co. Ind. history	977.284
		¹ O. "	977.148
		Mica economic geology	553.9
		Micah Bible	224.93
		Michael 6 Byzantine hist.	949.502
		Angelo, jr Ital. lit.	852.51
		Michel, Jean French dram.	842.22
		Michigan	
		admission U. S. hist.	973.56
		¹ history	977.4
		For military history see	
		973.52474, 973.7474 and	
		973.89474	
		¹ city, Ind. history	977.291
		lake travel	917.74
		¹Michoacan, Mex. "	972.3
		Micrombryes botany	583.925
		Micrombes "	589.95
		soil bacteriology	631.46
		Microfone	
		electrophysiology	612.01442182
		physics	537.82
		Microfotografy	
		fotografy	778
		microscopy	578.4
		Micrology, animal	591.8
		human	611.018
		Micrometers astronomy	522.53
		¹Micronesia history	996.5
		Micro-organisms etiology	616.01
		Microphone electrophys.	612.01442182
		physics	537.82
		Microphotografy	
		microscopy	578.4
		photografy	778
		Micropyle zoology	591.172
		Microscopes	578
		optics	535.82

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Microscopic			
analysis of water	613.33		
life invertebrates	592		
material, preparation of	578.6		
Microscopy	578		
animal histology	591.8		
human "	611.018		
lithology	552.8		
study of disease	616.077		
vegetable histology	581.8		
Microspores botany	584.1		
Microtome microscopy	578.4		
Micturition physiol.	612.46711		
Midbrain anatomy	611.815		
Middens			
and privies scavenging	628.41		
kitchen prehist. arch.	571.93		
Middle			
ages European history	940.1		
breaker	631.3126		
burster	631.3126		
class political science	323.32		
ear anatomy	611.854		
diseases of	617.84		
physiology	612.854		
High German language	437.02		
poetry	831.2		
¹ States, U. S. history	974		
For military history of all or individual states, see subdivisions of Special campaigns and Military history under 973.3, 973.52, 973.7 and 973.89			
Suffolk swine	636.4272		
woold sheep	636.323		
Yorkshire swine	636.4271		
Middleman political econ.	331.236		
¹ Middlesex co. Ct. history	974.66		
¹ Eng. "	942.1		
¹ Mass. "	974.44		
¹ N. J. "	974.941		
¹ Ont. "	971.325		
Middletown, Va. battle	973.7377		
Midges pests	632.77		
¹ Midland co. Mich. hist.	977.448		
¹ Midlands, Eng. "	942.4-5		
Midshipman's butter fruit	634.653		
Midwifery, antiseptics in	618.89		
obstetrics	618.2		
¹ Mifflin co. Pa. history	974.846		
Fort Am. revol.	973.3337		
Migrations			
of animals	591.52		
men ethnology	572.3		
Mikkelsen, Hans, Dan. misc.	839.8823		
Milá y Fontanals, M.	868.53		
¹ Milan history	945.2		
travels	914.52		
Mildew agriculture	632.4		
botany	589.2		
domestic econ.	648.7		
Military			
academies	355.07		
aeronautics	623.74		
and naval arts	355		
naval order of U. S.	369.113		
antiquities	355.09		
architecture, bildings	623.61		
fortifications	623.1		
balloons engin'g	623.74		
biografy	923.5		
bounties, <i>see</i> Bounties			
bridges	623.65		
celebrations mil. science	355.16		
disciplin "	355.13		
drill school gymnastics	371.733		
duels mil. science	355.13		
engineering	623		
geografy mil. science	355.47		
hierarchy	355.33		
history	355.48		
of special countries <i>see</i> country			
history Great war	940.4		
U. S. civil war	973.74		
Mex. war	973.624		
revolution	973.34		
Span. war	973.894		
war 1812	973.524		
honor	355.13		
hospitals	362.1		
hygiene	613.67		
law	355		
courts martial	344		
life	355.1		
order of foren wars U. S.	369.115		
the loyal legion	369.152		
organization in schools	371.43		
pensions	351.5		
photografy	623.72		
railways	623.63		
religious orders	929.7		
roads mil. engin'g	623.62		
sanitation " "	623.75		
science	355		
servis suffrage	324.171		
signals	623.7		
society of the war of 1812	369.143		
surgery	617.99		
surveying geodesy	526.99		
mil. eng.	623.71		

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Military			
telephony	mil. eng.	623.733	
telegrafy	" "	623.732	
topografy	" "	623.71	
Militia		355	
Milk			
agriculture		637.1	
analysis	adulterations	614.321	
	chemistry	543.2	
and its products	adult.	614.32	
as food	physiology	612.39284	
condensat	dairy	637.142	
cooler		637.1321	
cure	therapeutics	615.854	
dairy		637.1	
depots	dom. econ.	641.4	
dietetics		613.28	
fever	obstetrics	618.71	
food for infants		613.22	
pans		637.1327	
physiologic zoclogy		591.146	
physiology		612.664	
sugar	cheesemaking	637.345	
	milk composition	637.1272	
Milkcurdling ferments			
gastric juice		612.3216	
physiology		612.664171	
Milkers, mechanical		637.125	
Milking		637.124	
Mill, J. S.	British philos.	192.7	
Mill			
dams	hydraulic eng.	627.8	
	water engines	621.29	
gearing and machinery		621.85	
stones	mechan. eng.	621.922	
work	engineering	621.8	
Millennium	theology	236.3	
Miller, Joaquin	Am. poet.	811.45	
¹Miller co. Mo.	history	977.856	
Millerand	French hist.	944.08	
Millerites	sects	286.7	
Millers' occupation	hyg.	613.63	
Millery sheep		636.3469	
Millet		633.171	
Millevoye, C. H.	Fr. poet.	841.67	
Milliken repeaters	teleg.	621.38324	
Millinery	clothing	646.5	
	trades	687	
Milling tools		621.91	
Millomaiz	cereals	633.177	
Mills			
and manuf'g works		621.7	
cotton, woolen, etc.		677	
¹ co. Ia.	history	977.774	
flour, meal and feed	arch.	725.47	
Mills			
paper	arch.	725.46	
	manufactures	676	
textil	architec.	725.41	
woodworking	"	725.44	
Milos swine		636.472	
Milton, John	Eng. poet.	821.47	
¹Milwaukee city, Wis.	hist.	977.595	
¹	co. " "	977.594	
Milwrighting	engin'g	621.7	
Mimeograf	offis fittings	652	
Mimetic arts		792	
	variation	591.155	
Mimetism	comp. physiol.	612.0162	
Mimicry	" "	612.0162	
	social ethics	177.1	
Mind		150	
and body		130	
child study		136.7	
cure	therapeutics	615.851	
educational psychology		370.15	
in animals	zoology	591.51	
physiologic psychology		612.821	
psychology		150	
readers' lives		920.9	
reading	mesmerism	134	
zoology		591.51	
Mine			
cars	engineering	622.63	
fires	"	622.82	
Run, campain	U. S. hist.	973.7353	
surveying	engineer'g	622.14	
Mineplanters	shipbilding	623.826	
Mineral			
amendments	soil	631.82	
cements	chem. tech.	666.9	
	econom. geol.	553.68	
constituents of food		641.17	
¹ co. W. Va.	history	975.494	
foods	physiology	612.3926	
	zootechny	636.0877	
irritant poisons	therap.	615.92	
oil refining	air pollut.	614.724	
oils	chemic tech.	665.4	
	econom. geology	553.28	
salts, dialysis of	physiol.	612.3821	
	in bile	612.35714	
	blood	612.126	
springs	econom. geol.	553.7	
substances in milk		612.66416	
	phys. chem.	612.01531	
surveys		622.13	
trades	air pollution	614.72	
veins	ore deposits	553.19	

- Mineral
 waters adulterations 614.348
 artificial 663.6
 econom. geol. 553.7
 hygiene 613.38
 therapeutics 615.79
 wool linings masonry 693.67
- Mineralogy** 549
 determinativ 549.1
 of the Bible 220.8549
- Minerals petrography 552.81
- Mines
 military engineering 623.26
 mining 622
 ownership pol. econ. 333.8
 state control 351.823
 suffocation in pub. safety 614.82
- ¹Mingo co. W. Va. history 975.448
- Miniature books 099
- Miniatures painting 757
- Minie ball small arms 623.4552
- Minima and maxima algeb. 512.3
 geom. 513.19
- Minimum
 wage polit. econ. 331.215
- Mining
 companies min. engin'g 622.06
 dangers and accidents 622.8
 economic geology 553
 engineering 622
 engines steam eng. 621.13268
 laws 622.007
 machinery, hydraulic 621.269
 practical 622.2
 products polit. econ. 338.2
 prospectuses 622.19
 reports 622.009
- Minisink Amer. revol. 973.3353
- Minister eccles. pol. 262.14
- Ministerial authority 262.8
- Ministers
 French government 354.4404
 German state " 354.4308
 library propagandism 021.76
 lives of 922
- Ministration to sick and ded 265.8
- Ministries of state architec. 725.12
 war " 725.12
- Ministry
 ecclesiastic polity 262.1
 German government 354.4306
 lay 262.14
 parish work 258
 religion 250
- Minnesingers Ger. poetry 831.2
- Minnesota, U. S.
 admission U. S. hist 973.68
¹ history 977.6
 For military history, see
 973.52476, 973.7476 and
 973.89476
- ¹Minorca history 946.7
 travels 914.67
- Minorcan fowls 636.562
- Minority representation 324.223
- Minors law 347.6
- Minot, L. Eng. poetry 821.14
- ⁸Minstrelsy " " 821
 negro voc. mus. 784.7
- Mints field crops 633.822
 garden " 635.72
 polit. economy 332.46
- Minute books curiosa 099
- Miocene period geology 551.782
- ¹Miquelon islands, N. F. hist. 971.8
- Miracle plays
 English literature 822.1
 general history 809.2
 religion 244
 theater 792
- Miracles doctriens 231.7
 New Testam't 226.7
 postbiblical 231.7
- Mirage optics 535.3
- Mirrors " 535.87
- Miscarriage obstetrics 618.39
- Miscegenation ethics 173.1
 hygiene 613.9
 law 347.6
- Miscellanies see subjects
- ⁸Miscellany Eng. liter. 828
- Miscount of ballots frauds 324.275
- Misers, lives of 920.8
- Mishna Judaism 296
- Misrule, Spanish, in Cuba
 U. S. history. 973.891
- Missals catholic ritual 264.025
 illuminated 096
- ¹Missaukee co. Mich. hist. 977.466
- Missing link evolution 575.8
- Missionaries, lives of 922
- Missionary Ridge, battle 973.7359
 schools 377.6
- Missions
 city 266
 home and foren 266
 music for sacrd music 783.7
 parish 269
 Roman catholic 266.2

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index ¹

¹ Missisquoi co. Que. hist.	971.462	Modeling	elem. educ.	372.53
Mississippi			sculpture	731
bubble loan institutes	332.31	Models	art study	707
¹ co. Mo. history	977.898	¹ Modena	history	945.4
river description	917.7		travel	914.54
discov. U. S. hist.	973.16	Modern		
state		analytic geometry		516.5
admission U. S. hist.	973.54	architecture		724
¹ history	976.2	church history		270.8
secession U. S. hist.	973.713	costumes and customs		390
For military history of state, see subdivisions of Special campaigns and Military history under 973.52, 973.7 and 973.89		dance music		786.46
valley description	917.7	European history		940.2
Missouri		geometry		513.5
compromise U.S. civ. war	973.7113	⁴ Greek language		489
currant	634.724	literature		889
river description	917.78	history		940-999
state admission	973.54	³ Persian languages		491.55
¹ history	977.8	philosophers		190
For military history of state, see subdivisions of Special campaigns and Military history under 973.52, 973.7 and 973.89		lives		921
¹ Mistassini co. Que. hist.	971.411	Sabbath theology		263.2
Mistral, F. Provençal poet.	849.146	sculpture		735
Mitchell, D. G. Am. misc.	818.32	Modesty	ethics	179.9
¹ Mitchell co. Ia. hist.	977.7234	¹ Modoc co. Cal. hist.		979.423
Miter sacred ornaments	247.6	indian war U.S. hist.		973.82
Mites animal parasites	616.9685	Modulus of mach. physics		531.43
zoology	595.4	Moesia ancient history		939.88
Mithradatic war Rom. his.	937.05	Moguls Indian		954
Mithraic worship	295	locomotivs		621.13262
Mitral valvs anatomy	611.12642	Mohair dom. econ.		646.13
Mixing machinery sewage	628.342	manufactures		677
Mixt drinks adulterations	614.349	Mohammedan architecture		723.3
chem. tech.	663.8	biografy		922.97
state pol. sci.	321.02	cookery		641.567
Mnemonic derangements	132.8	Mohammedanism		297
Mnemonics	154.1	Mohawk		
Moab ancient history	939.46	indians		970.3
Moabite stone	492.617	vallev massacre		
Moats fortifications	623.117		Am. rev.	973.3345
¹ Moberly, Mo. history	977.8281	Moisture		
Mobile, Ala.		conditions of life		577.4
bay U.S. civ. war	973.7372	hygiene		613.14
nav. his.	973.754	physical geografy		551.57
campain	973.7388	prevention in museums		579.83
Mobs administration	351.752	soil agriculture		631.432
Mocking birds care of	636.686	public helth		614.772
zoology	598.8	therapeutics		615.833
Model		Molar pregnancy		618.39
tanks shipbilding	623.83	Molasses chem. technol.		664.1
		Molbeck, C. K. F. Dan. lit.		839.8265
		Mold fungi		589.2
		loft shipbilding		623.83
		¹ Moldavia, Rumania hist.		949.8
		Moldavian sheep		637.373
		swine		636.474

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Moldboard plow, double	631.3126	Money	332.4
turning	631.3124	administration	351.822
Molding cheesemaking	637.3338	deposit by lib. borrower	024.14
metal manufac.	671	making commerce	658
Moldings		ethics	174.4
architecture	729.31	paper	332.5
carvd arch. decoration	729.55	prize military science	355.13
painted " "	729.45	soliciting library rules	023.93
Molds, butter	637.2328	¹ Mongolia, China history	951.7
Mole plow	631.3126	Mongolian languages	495
Molecular physics	539	Mongolicza swine	636.472
Molecules		Mongols history	950
displacement of	539.5	Russian history	947.03
theoretic chemistry	541.2	Monimiaceæ botany	583.928
Moles zoology	599.3	Monism philosophy	147
Molière, J: B.P. Fr. drama	842.42	¹ Moniteau co. Mo. history	977.852
Molina, T. de Span. "	862.33	Monitor	
¹ Molina, Ill. history	977.339	and Merrimac U. S. hist.	973.7324
Molinists heresies	273.7	naval history "	973.752
persecution	272.5	Monitorial system of educ.	371.41
Molino del Rey, battle	973.6239	Monitors	
¹ Molise, Italy history	945.71	school government	371.57
Mollusca paleontology	564	warships naval eng.	623.825
zoology	594	Monkeys zoology	599.8
Molluscoidea	594.6	Monks religious orders	271
Mollusks fishery	639.4	Monmouth	
Molly Maguires		battle Amer. revol.	973.3342
labor organizations	331.88	¹ co. England	942.43
Molting embryology	591.34	¹ N. J. history	974.946
¹ Moluccas history	991.3	Monmouth's rebellion	942.067
Molybdates mineralogy	549.74	¹ Mono co. Cal. hist.	979.448
Molybdenum chemistry	546.77	Monocacy, Md	
Molza, F. M. Ital. fiction	853.33	battle U. S. civ. war	973.7369
poetry	851.34	Monocotyledonæ botany	584
Moments statics	531.23	Monogamy family ethics	173.2
Monachism theology	271	hygiene	613.89
¹ Monaco history	944.94	Monograms design	745
travel	914.494	Monoliths prehist. arch.	571.94
¹ Monaghan, Ireland hist.	941.67	Monomania insanity	132.1
Monarch Eng. government	354.4203	¹ Monona co. Ia. hist.	977.744
Monarchic institutions	321.6	¹ Monongahela val. W. Va. hist	975.451
Monarchs		¹ Monongalia co. W. Va. "	975.452
biografy	923.1	Monoplanes	
of states Ger. gov't	354.4307	aeronautics	629.173
Monarchy, absolute	321.6	Monopolies trade	338.8
constitutional	321.7	state finance	336.19
Monasteries architecture	726.7	Monorail	
theology	271	rolling stock engin'g	625.28
Monastic		tracks "	625.146
orders	271	Monosaccharids nutrition	612.39613
schools education	377.3	Monotony vs variety of	
Monasticism	271	library work	023.701
Mondolingue univ. lang.	408.9	Monotremata mammals	599.1
Monetary congresses	332.44	Monotropeæ botany	583.63

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Monroe, James	presidency	973.54	Montgomery		
¹ Monroe Ind.	history	977.225	¹ co. Pa.	history	974.812
	travels	917.7225	Fort	Amer. revol.	973.3335
¹ co. Ill.	history	977.391	¹ Wales	history	942.94
¹ Ia.	"	977.7865	Montgomery's		
¹ Mich.	"	977.432	Canada	exped. Am. rev.	973.3315
¹ Mo.	"	977.8325	glands	anatomy	611.691
¹ N. Y.	"	974.788	Months, names of		529.2
¹ O.	"	977.196	Monti, Vincenzo	Ital. poet.	851.64
¹ Pa.	"	974.825	¹ Montmagny co. Que.	hist.	971.4735
¹ W. Va.	"	975.478	¹ Montmorency co. Mich.	"	977.483
¹ Wis.	"	977.554	¹ Que.	"	971.448
doctrin foren relations		327.73	¹ Montour co. Pa.	"	974.839
U. S. history		973.54	¹ Montreal, Que.	"	971.4281
Monro's foramen	anat.	611.8148	travel		917.14281
Mons veneris	"	611.6731	Monts de piété		
Monsoons	meteorology	551.51	loan institutes		332.33
Monsters, fabulous		398.4	state control		351.825
Monstrosities			Monuments		
animal		591.159	American revolution		973.365
human anatomy		611.012	antiquities		913
natural hist. of man		573.9	cemeteries		718
vegetable teratology		581.22	Great war 1914-19		940.465
variation		581.159	prehistoric		571.9
Mont Blanc	travels	914.449	U. S. civil war		973.765
Cenis tunnel		622.26	³ Moods, signs of	Eng.	422.8
Montagu, Mrs E..	Eng. let.	826.62	³ syntax	Eng.	425.8
M. Lady	" "	826.51	Moon		
Montaigne, M. E. de	Fr. lit.	844.31	astronomy		523.3
Montana, U. S.			charts		523.39
admission	U. S. history	973.86	effect on tides		525.62
¹ history		978.6	maps	observations	524.3
military hist.	Span. war	973.89486	observation of		523.39
U. S. civ. war		973.7486	type	printing for blind	655.38
Montanism	heresies	273.9	Moonding	domestic animals	636.293
Montares sheep		636.366	Moore		
¹ Montcalm co. Mich.	hist	977.453	Edward	Eng. essays	824.61
¹ Que.	"	971.441	Thomas	poetry	821.75
Montemayor, Jorge de		863.31	lamp	elec. lighting	621.3275
¹ Montenegro	history	949.7	Moorish		
Monterey, battle	Mex. war	973.6235	architecture		723.3
¹ co. Cal.	hist.	979.476	kingdom	Span. hist.	946.02
Montesquieu	Fr. essays	844.52	Moors, expulsion of	" "	946.03
Montgolfier ram	hyd. eng.	621.272	Moot courts		340.7
Montgolfières			Mootan language		491.41
aeronautics		629.151	Moraceous fruits		634.36
Montgomery			Moraines	glaciers	551.32
¹ co. Ill.	history	977.382	Moral		
¹ Ind.	"	977.148	agency, free	doc. theol.	233.7
¹ Ia.	"	977.775	education		377
¹ Md.	"	975.284	expectations	probabil.	519.2
¹ Mo.	"	977.838	government in schools		371.58
¹ N. Y.	"	974.746	heredity	metaphysics	129.2
¹ O.	"	977.172	theology		233.3

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Moral			Morgan horse	636.128
philosofy	170		Morganatic marriage	
science ethics	170		customs	392.6
sentiment "	171.2		ethics	173.1
systems	171		Morgan's Ohio raid	973.7342
Morals			¹ Morgantown, W. Va. hist.	975.453
and church	261.4		Moringeæ botany	583.299
history of ethics	170.9		Mörk, J. H. Swed. fiction	839.7341
laboring classes pol. econ.	331.84		Mormonism	298
of the press ethics	179.1		Mormons biografy	922.98
journalism	070.11		Morning prayer	
war ethics	172.4		Anglican ritual	264.033
Moratin, L.F. de Span. dram.	862.42		family devotions	249
N.F. de poet.	861.41		personal religion	248
¹ Moravia history	943.72		¹ Morocco history	964
Moravian brethren sects	284.6		travel	916.4
⁴ language	491.87		Morphin habit ethics	178.8
missions	266.46		Morphogeny	
Morbid anatomy	616.078		nervous system	612.8013
habits hygiene	613.87		physiology	612.605
Morbidity public helth	614.15		Morris, W: Eng. poetry	821.85
¹ Morbihan, France hist.	944.13		Morris	
More, T: English fiction	823.2		¹ co. N. J. history	974.974
¹ Morea history	949.5		iland, S. C. U.S. civ. war	973.7351
¹ Morelos, Mex. "	972.4		Morristown, N. J. Am. rev.	973.367
¹ Moresnet history	949.3		¹ Morrow co. O. history	977.1516
travels	914.93		Morse automatic telegraf	621.38241
Moreto y Cabaña, A.	862.37		code elec. "	621.382151
Morfe common sheep	636.3236		Mortality	
Morfogeny nervous system	612.8013		law of insurance	368.3
physiology	612.605		statistics	312
Morfology			pub. helth	614.12
animals	591.4		Mortar	
comparativ philology	415		bilding material	691.5
³ English language	425.1		engineering	620.15
physiologic			mounts ordnance	623.4323
of intestin	612.335		Mortars	
leucocytes	612.1129		chemic apparatus	542.22
milk	612.6645		technology	666.9
muscles	612.7419		ordnance	623.4214
nervous stimulation	612.815		prehistoric archeology	571.27
optic nerv	612.84315		Mortgage companies	332.313
pancreas	612.345		Mortgages law	347.2
salivary glands	612.3135		Mortification surgery	617.25
secretions	612.409		Mortmain law	347.2
stomach	612.325		Morton's Ford, Va.	
swet	612.7925		U. S. civil war	973.7362
plants	581.4		Mortuary	
Morgagni's hydatids anat.	611.633		bildings architecture	726.8
¹ Morgan co. Ill. history	977.346		customs	393
¹ Ind. "	977.251		designs sacred ornam'ts	247.3
¹ Mo. "	977.853		statistics population	312
¹ O. history	977.194		registration	614.12
¹ W. Va. "	975.496		Morvan sheep	636.386

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Mosaic			Motor		
law Old Testament	222.1		apparatus physiology	612.7	
windows, architect. decor.	729.85		bicycle	629.2	
work	747		boats, small	623.823	
Mosaics			cars elec. traction	621.3343	
architectural decoration	729.7		converters elec. eng.	621.31357	
floors and flooring	721.67		cultivator agriculture	631.316	
religious ornaments	247.4		electric traction	621.3344	
Moscherosch, J.; M. Ger. sat.	837.51		engines, <i>see</i> Motors		
¹Moscow history	947.3		panels elec. eng.	621.31723	
travel	914.73		system anatomy	611.7	
¹Moselle, France history	944.382		physiology	612.7	
Mosenthal, S.H. Ger. dram.	832.82		surgery	617.47	
Moslems	297		terminations of nervs	611.018861	
Mosques architecture	726.2		vehicles	629.2	
¹Mosquito shore, Cent. Am.	972.85		Motordynamos elec. eng.	621.31326	
Mosquitoes			Motoroculi		
agriculture	632.77		nerv anatomy	611.8313	
animal parasites	591.69		eye	612.8463	
parasitic diseases	616.9681		physiology	612.8193	
public helth	614.43		external, <i>see</i> Sixth nerv		
zoology	595.77		nucleus anatomy	611.8155	
Mosses botany	588.2		Motors		
sea algae	589.3		aerostation engin'g	629.163	
¹Mosûl history	956.7		aviation "	629.183	
Motet sacred music	783.4		direct current elec. eng.	621.31324	
Moth, gipsy	632.78		induction " "	621.31364	
Mother			repulsion " "	621.31366	
ethics	173.5		series " "	621.31365	
Goose folklore	398.3		synchronous " "	621.31344	
maternity	618		Motory organs animals	591.47	
tung elem. educ.	372.61		Mottos college	378.27	
Mothers pensions	362.6		Eng. literature	828	
Moths agriculture	632.78		Mould fungi	589.2	
dom. econ.	648.7		Moulding, <i>see</i> Molding		
econom. zoology	591.68		Mouling embryology	591.34	
syst. "	595.78		¹Moultrie co. Ill. history	977.367	
Motion			Fort, battle Am. revol.	973.3328	
beginnings of biology	576.4		Mound layering	631.5343	
composition of physics	531.22		Moundbilders prehist. arch	571.91	
in medicin massage	615.82		U. S. history	973.1	
laws of astronomy	521.11		Mounds prehistoric arch.	571.9	
metaphysics	116		Mountain		
of earth astronomy	525.3		artillery mil. eng.	623.413	
liquids hydraulics	532.5		climbing hygiene	613.72	
plants botany	581.5		sports	796	
sap in plants botany	581.11		cottages architecture	728.7	
solar system	523.24		¹counties W. Va. history	975.48	
perpetual mechanics	531.8		engins steam engin'g	621.13267	
pictures, <i>see</i> Moving			guns gunnery	623.551	
pure physics	531.1		mounts ordnance	623.431	
rectilinear "	531.31		pastures zootechny	636.08423	
Motiv power, farm	631.371		railways	625.3	
			regions agriculture	630.0914	

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- Mountain**
 resorts hygiene 613.12
 sheep, English 636.325
 German 636.333
 Italian 636.35
 sickness physiology 612.27511
Mountaineering hygiene 613.72
 sports 796
Mountains
 attraction of geodesy 526.14
 in moon 523.34
 mesurement of 551.53
 natural boundaries 320.1282
 physical geografy 551.43
 volcanic 551.21
Mounting specimens 579.5
 telescopes 522.25
Mounts ordnance 623.43
Mourning customs 393.9
Mouse traps 648.7
Mouth
 anatomy 611.31
 diseases 616.31
 glands anatomy 611.316
 in speech physiol. 612.7891
 muscles anatomy 611.7326
 physiology 612.31
 primitiv embryology 611.01334
 surgery 617.52
Movable bookcases 022.433
 bridges civil eng. 624.8
 mil. " 623.65
Movables chattels 347.3
Movement
 and sensibility physiol. 612.8114
 cure therapeutics 615.82
 inhibition of phys. psy. 612.82134
 muscular animal heat 612.532
Movements
 associated phys. psych. 612.82135
 of brain physiology 612.8242
 eye physiology 612.846
 intestin " 612.337
 large intestin " 612.367
 plants botany 581.5
 special physiology 612.763
 stomach " 612.327
Moving
 pictures amusements 791
 education 371.33
 fotografy 778
 see also Fotoplays
 sidewalks 621.8675
 stairs 621.8676
Mowatt, A. C. Am. dram. 812.31
Mowers 631.352
Mowing 631.552
¹Mozambique history 967.9
¹Mozul history 956.7
Mucilage manufacture 668.4
Muck fertilizers agric. 631.871
Mucous
 membranes, absorp. by 612.387
 admin. of med. 615.66
 histology 611.01873
 physiology 612.38
 secretion animals 591.141
 tissue histology 611.01825
Mud architecture 693.22
 iland Amer. revol. 973.3337
Mudie's circulat'g libraries 027.342
Muffles, elec. prac. chem. 542.47
Mugletonians sects 289.9
Muhammedans 297
Mulberry fruit culture 634.38
 silk " 638.2
 family fruit " 634.36
Mulching 631.79
Mule domestic animals 636.183
 zoology 599.7
Müller, F. P. Dan. poetry 839.8167
Müller's duct anatomy 611.669
Multangulum majus, os 611.71775
 minus, os 611.71776
Multifidus muscle anat. 611.73165
Multimember
 constituency suffrage 324.222
Multiovulatae
 aquaticæ botany 583.92
 terrestres " 583.922
Multiplane
 aircraft engin'g 629.173
Multiple
 furrow plow 631.3122
 integrals calculus 517.34
 layering 631.5342
 pregnancy obstetrics 618.25
 stars astronomy 523.84
 unit control elec. tract. 621.3344
Multiplex telegrafs
 communication 654.2
 electric engineering 621.38235
Multiplication of plants 631.53
Multispeed motors eng. 621.313246
Mummies 393.3
Mumps diseases 616.31
 public helth 614.544
Munch, P. A. Dan. essays 839.8464

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Münch-Bellinghausen E.F.J.	832.75	Muscovy duck	636.59783
¹ Muncie, Ind. history	977.265	Muscular	
¹ Munich	943.36	arteries anatomy	611.1342
travels	914.336	contraction chem. effects	612.7442
Municipal		physiology	612.741
bonds polit. economy	332.6	disorders eye diseases	617.76
civil servis	352.005	exercise hygiene	613.72
corporations admin.	352	movem't and animal heat	612.532
law	347.1	respiration	612.2271
elections local gov't	352.004	sense, localization of	612.82558
engineering " "	352.5	mental faculties	152.6
government admin.	352	physiology	612.885
laundries dom. econ.	648.1	system anatomy	611.73
law admin.	352	physiology	612.7
statutes	340	tissue histology	611.0186
Municipalities admin.	352	Museum	
Munitions of war mil. eng.	623.4	library bildings	022.655
Munson shorthand	653.62	material lib. adminis.	025.179
¹ Munster, Ireland history	941.9	Muscums	
travel	914.19	and libraries	021.46
Munster sheep	636.3335	architecture	727.6
Muntaner, R. Catalan misc.	849.9813	arrangement of specimens	579.7
Mural		art fine arts	708
circles astron. instrum.	522.32	state control	351.853
decorations architect.	729	education	370.74
Muratori, L. A. Ital. essays	854.56	general	069
¹ Murcia, Spain history	946.7	medical	610.77
Murder criminal law	343	of domestic science	640.74
Murfreesboro, Tenn.		school equipment	371.65
U. S. civ. war	973.7337	rooms	371.622
Murmurs		scientific natur. science	507
arterial physiology	612.133	Sunday opening	263.7
cardiac	612.1715	other museums see subject	
muscle	612.7418	Mushrooms	
Murneer, T: Ger. satire	837.41	botany	589.22
Murrain cattle disease	619.2	culture	635.8
Murray printing telegraf	621.38255	food	641.358
Musaceous fruits	634.771	Music	
¹ Muscatine city, Ia. hist.	977.7681	art	780
co. " "	977.768	biograpy	927.8
Musci botany	588.2	box mech. instrum'ts	789.8
Muscle histology	611.0185	copyright	655.62
reading	134	ecclesiology	246.7-8
wave physiology	612.7413	Great war 1914-19	940.498
Muscles		halls architecture	725.81
anatomy	611.73	library administration	025.178
chemic composition of	612.744	public worship	264.2
diseases of	616.74	room domestic econ.	645.69
effect of nervs on	612.817	library bildings	022.659
glycogen of physiology	612.35218	therapeutics	615.837
of eye, external anat.	611.8461	U. S. history civil war	973.798
larynx	611.229	revolution	973.398
physiology	612.7	war of 1812	973.5298
structure anatomy	611.73		

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Musical		
form	781.5	
instruments	780	
acoustics	534.85	
schools	371.632	
sensations	physiology	612.85874
sounds	acoustics	534.3
Musicians	biografy	927.8
Musk duck		636.59783
¹ Muskegon city, Mich. hist.		977.457
" co. " "		977.457
Musketoons	small arms	623.442
Muskets	manufacture	683
	small arms	623.442
¹ Muskingum co. O. hist.		977.191
Muskmelon		635.611
¹ Muskoka dist. Ont.		971.316
lakes " trav.		917.1316
Muspilli	Ger. poetry	831.14
Musquitos, <i>see</i> Mosquitos		
Mussels	culture	639.4
	zoology	594.1
Musset, L:C:A.de Fr. dram.		842.76
	poet.	841.77
Mustang pony		636.168
Mustard	emetics	615.731
	field crops	633.844
	garden "	635.44
Mustelidæ	zoology	599.7
Muster rolls		355.5
Mutilations		
of library books		024.82
war customs		399
Mutiny	maritime law	347.7
of Penn. line	Am. revol.	973.349
Mutton sheep		636.323
Mutual		
action of planets		521.41
aid societies	pol. econ.	334.7
benefit soc.	state control	351.825
insurance	pol. econ.	334.3
system	education	371.41
Muzzleloading ordnance		623.4221
	small arms	623.4421
Mycenæ	ancient history	938.8
Mycetozoa	botany	589.29
Mycology	botany	589.2
Mydriatics	physiology	612.8424
	therapeutics	615.784
Myel	anatomy	611.82
Myelencefal	"	611.818
Myelencephalon	"	611.818
Myelin	histology	611.018834
Mylohyoid muscles	anat.	611.7346
Myocardium	anatomy	611.127
Myodynamics	physiol.	612.74
Myografy	physiology	612.7411
Myology	anatomy	611.73
Myopia	eye diseases	617.75
	physiology	612.8451
Myoporineæ	botany	583.871
Myosin	nutrition	612.398132
Myotonometry	physiology	612.7414
Myrana	univ. language	408.9
Myrica		634.663
Myricaceæ	botany	583.974
Myriopoda	zoology	595.6
Myristiceæ	botany	583.927
Myrrh	perfume plants	633.816
Myrsineæ	"	583.677
Myrtaceæ	"	583.42
Myrtaceous fruits		634.42
Myrtales	botany	583.4
Myrtle family	fruits	634.42
Mysia	ancient history	939.21
¹ Mysore, India	history	954.8
Mysteries		
drama, <i>see</i> Mystery plays		
occultism		133
Mystery plays	Eng. lit.	822.1
	history	809.2
	religion	244
	theater	792
Mystic filosofers		189.5
Mysticism	heresies	273.2
	philosofy	149.3
Mystics	medieval	189.5
Mythical Greek history		938.01
Mythology		
comparativ		291
German		293
Greek and Roman		292
Norse		293
Myths		291
Myxedema	diseases	616.997
Myxomycetes	botany	589.29

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

N rays	mesology	612.014483	Narcotics		
Nabatheans	ancient hist.	939.46	moral use of		178.8
Nævius, Cnæus	Lat. dram.	872.2	therapeutics		615.78
Naftha	chem. tech.	665.5	Nardi, Jacopo	Ital. essays	854.32
	domestic fuel	644.23	Narranganset	turkey	636.5923
Nafthalene	organic chem.	547.28	Narrativs, personal		
Nahum	Bible	224.94	Great war 1914-19		940.48
Naiadaceæ	botany	584.74	U.S. history	civil war	973.78
Nails	anatomy	611.786		Mex. "	973.628
	physiology	612.799		revolution	973.38
	strength of materials	620.11287		Span. war	973.898
¹ Nairn, Scotland	history	941.22		war of 1812	973.528
Nakedneck	fowls	636.5882	Narrowgauge railways		625.1
Names			Nasal		
misspeld lib. access.dep't		025.232	bone	anatomy	611.7158
of days of week		529.2	cavity	"	611.7147
months		529.2		in speech	physiol.612.7891
persons and places		929.4	duct	anatomy	611.8469
pen bibliografy		014	passages	"	611.21
¹ Nansei islands, Japan	travel	915.2	pharynx	anatomy	611.3271
¹ Nantes	history	944.14	tonsils	"	611.326
	travels	914.414	Nasby, P. V.	Am. humor	817.42
	edict of		Naseberry		634.431
	French hist.	944.03	Nashville, Tenn.	U.S.civ.war	973.7379
	Huguenots	284.5	Nasmith societies		267.232
	persecutions	272.4	Naso-pharyngeal		
	relig. hist. France	274.4	space	diseases of	616.21
¹ Nantucket co. Mass.	hist.	974.49	¹ Nassau co. N. Y.	hist.	974.7245
	travel	917.449		poultry	636.538
¹ Napa co. Cal.	hist.	979.419	¹ Natal, Africa	history	968.4
Naphtha	chem. tech.	665.5	Natatores	birds	598.4
	domestic fuel	644.23	Natatoriums	architecture	725.74
Naphthalene	organ. chem.	547.28	Nates	anatomy	611.9812
¹ Napierville co. Que.	hist.	971.435		muscles	"
Napkins	customs	394.1			611.7381
	dom. econ.	642.7	Nation	political science	320.12
¹ Naples, Italy	history	945.7	National		
¹ city, "	"	945.73	aid to education		379.12
	travel	914.573	and state universities		378
Napoleon				policy	379.16
1	Fr. hist. first consul.	944.046	assembly 1789-92	Fr.hist.	944.041
"	" " emp.	944.05	1871	" "	944.08
3	French history	944.07	ass'n Mex. war veterans		369.146
code	law	349.442		naval veterans	369.157
Napoleonic			bank, U. S.	U. S. hist.	973.41
period	Europ. history	940.27	banks		332.11
wars	Ger. "	943.06	cemeteries		719
	Russ. "	947.07	churches vs organ. unity		261.8
	Scand. "	948.06	conservation	pol. econ.	339
¹ Napoli, Italy	history	945.73	cookery		641.59
Narcotic habit		178.8	costumes		391
	poisons	therapeut. 615.96	customs, special		390
Narcotics			decay	political science	320.159
action of	hygiene	613.8	det	finance	336.3
and stimulants	ethics	178	electric code		621.3281
			flowers	heraldry	929.6

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index.

National		
growth	political science	320.159
libraries		027.5
music		786.45
parks		711
politics	England	329.942
	U. S.	329
resources	conservation	339
school supervision		379.151
soldiers' cemeteries		719
songs	music	784.4
Nationalities		
internal relations		323.1
special education		371.98
suffrage		324.15
Nationalization of land		333.1
Nations		
law of internat. law		341
leag of	"	341.1
origin of		901
rise of	Europ. history	940.11
Nativ American party		329.5
elements	mineralogy	549.2
Natural		
body doctrinal theol.		233.5
boundaries	pol. sci.	320.1281
draft	steam engin'g	621.18382
drainage	mining	622.52
gas	chem. technology	662.6
	econom. geology	553.28
	heating	697.6
history, biblical		220.85
	collectors handbks	579
	museums	507
	of countries	508.3
	man	573
	zoology	590
law	science	501
	sociology	340.1
light	shadows	515.63
magic		133
philosofy		530
religion		210
resources	conservation	333
rights	political science	323.4
rock	fertilizers agric.	631.851
science		500
selection	evolution	575.4
	physiology	612.609
stone	bilding material	691.2
	engin'g "	620.132
system of botany		580.1
theology		210

Natural		
ventilation	mining	622.42
water courses, hygiene of		614.772
Naturalists	biografy	925.9
Naturalization	suffrage	323.62
Nature		500
law of	science	501
	sociology	340.1
metaphysics		113
of being	metaphysics	111
respiration	animals	591.121
the state	pol. sci.	320.15
printing		655.37
study	biology	570.7
	elem. educ.	372.35
	general	507
unity of	metaphysics	110
	science	501
Nautical astronomy		527
surveying		526.99
Naval		
and military order of		
	Spanish-Amer. war	369.183
architecture	engin'g	623.8
artillery	military "	623.418
battles		359
	see also special countries	
biografy		923.5
engineering		623.8
gunnery		623.553
history		359.09
	Great war 1914-19	940.45
	U. S. civil war	973.75
	Mex. "	973.625
	revolution	973.35
	Span. war	973.895
	war of 1812	973.525
hygiene		613.68
men, lives of		923.5
mounts	ordnance	623.434
order of the U. S.		369.117
	see also special countries	
ordnance		623.416
registers foren		354
	U. S.	353.7
schools		359.07
science		359
shipbilding		623.8
stations, U. S.		353.7
surgery		617.99
surveying		526.99
veterans, national ass'n		369.157
war		359
¹ Navarre	history	946.5

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index.

Navarre	travels	914.65	Negligeé	toilet	646.47
Navaw		635.127	Negro		
Navicular bones, carpal		611.71771	conditions in U. S.		325.26
	tarsal	611.71876	education		371.974
Naves		359	race ethnology		572.96
Navigation			mentality		136.4
acts Amer. revol.		973.3112	nat. hist. of man		573.5
aerial, <i>see</i> Aerial navigation			political standing		324.15
astronomy		527	servants dom. econ.		647.24
laws		347.7	slavery		326
outfit shipbuilding		623.86	songs music		784.7
signals in communicat.		654.9	suffrage pol. sci.		324.15
	physics	534.83		U. S. hist.	973.81
useful arts		656	troops U. S. civ. war		973.7415
¹ Navigator ilands history		996.1	Negroes Y. M. C. A.		267.365
Navigators' lives		923.9	Nehemiah Bible		222.8
Navy			Neighborhood guilds		
administration		359	social clubs		367
cookery		641.573	¹ Nejd, Arabia history		953.8
department, U. S.		353.7	Nelli, Pietro Ital. satire		857.41
Neal, John Am. fiction		813.26	Nematoda parasit. dis.		616.965
	J. C. satire	817.31	Nemean games Gk antiq.		913.38
Neap tides earth		525.63	Neocene period geology		551.782
Neapolitan sheep		636.35	Neodymium chemistry		546.64
	swine	636.45	Néo-Grec architecture		724.63
Nearsightedness medicin		617.75	Neolithic age prehis. arch.		571.2
Nearsightedness schools		371.72	Neology rationalism		211
Nebraska, U. S.			Neon inorganic chem.		546.292
admission U. S. hist.		973.81	Neoplasms		
¹ history		978.2	pathology		616.992
Kansas-, bill U. S. hist.		973.66	physiology		612.6054
mil. hist. U. S. civil war		973.7482	Neoplatonism		186.4
	Span. "	973.89482	Neoplatonists, apolog. ag't		239.4
Nebulae astronomy		523.85	Neostyle offis equipment		652
Nebular hypothesis "		523.12	¹ Nepal history		954.2
Necessity metaphysics		123		travel	915.42
Neck			Nepal goat		636.39854
anatomy		611.93	Nepenthaceæ botany		583.922
lymphatic glands anat.		611.463	Nephrotomy surgery		617.46
lymphatics of "		611.4213	Nepos, Cornelius Lat. his.		878.3
muscles "		611.733	Nepotism civil servis		351.1
surgery		617.53	Neptune descrip. astron.		523.48
Necks geology		551.88	Nernst lamps elec. light		621.32653
Neckties toilet		646.48	Nerv		
Necrology biography		920	cells histology		611.01882
	colleges	378		physiology	612.822
Necromancers		133.4	centers		
Necroscopy		616.079	function in speech		612.7893
Necrosis diseases		616.71	physiology		612.82
Nectarine		634.26	superior reflexes		612.8338
Needle telegraf commun.		654.3	fatigue physiology		612.8166
	elec. eng.	621.38224	fibers "		612.81
Needlework art		746	roots, spinal anat.		611.827
	dom. econ.	646.2			

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- Nerv
 waves rapidity 612.8165
 theories 612.8162
- Nervous
 conductivity 612.8163
 functions of animals 591.18
 physiology 612.8
 prostration 616.843
 system
 action
 of glands on 612.407
 on bloodvessels 612.181
 cutaneous exhal. 612.7928
 glands 612.408
 intestin 612.338
 liver 612.358
 muscles 612.81
 pancreas 612.348
 stomach 612.328
 and metabolism 612.01538
 nitrogen excretion 612.461238
 central physiology 612.82
 comparativ anatomy 591.48
 descriptiv anatomy 591.78
 diseases of 616.8
 drugs acting on 615.78
 human anatomy 611.8
 physiology 612.8
 hygiene 613.8
 pathology 616.8
 surgical operations 617.48
 sympathet. anatomy 611.839
 physiol. 612.89
 tissue histology 611.0188
- Nervs
 anatomy 611.83
 diseases of 616.87
 histology 611.01883
 nutritiv influ. on muscle 612.7465
 of skin, trofic physiol. 612.798
 peripheral " 612.81
 spinal anatomy 611.832
- Nestorian church 281.8
- Nests
 birds zoology 598.2
 breeding zootechny 636.082461
 care of stock " 636.0831
- Netherland cattle 636.2351
¹Netherlands history 949.2
 reform'n in 274.92
 travels 914.92
- Nets biology 579.612
 toilet 646.48
 zootechny 636.081111
- Netting, balloon 629.161
- Nettlerash skin diseases 616.51
- Neufchatel cheese 637.3534
- Neural furrows anat. 611.01351
- Neuralgia diseases 616.87
- Neurasthenia " 616.843
- Neurenteric canal embry. 611.01336
- Neurilemma histology 611.018833
- Neuritis diseases 616.87
- Neuroglia histology 611.01884
- Neurology
 morfology 591.48
 organografy 591.78
 physiologic zoology 591.18
- Neuroptera insects 595.74
 pests 632.74
- Neuroses
 diseases 616.85
 due to special poisons 616.86
- Neurotic
 poisons toxicology 615.95
- Neuters physiologic zool. 591.162
 zootechny 636.08233
- Neutrality
 international law 341.3
 proclamation U. S. hist. 973.43
- Neutrals Great war 940.335
- Nevada, U. S.
 acquisition Mex. war 973.621
 admission U. S. hist. 973.71
¹ history 979.3
 mil. hist. Spanish war 973.89493
 U. S. civil war 973.7493
¹ co. Cal. hist. 979.437
- New
¹ Albany, Ind. history 977.219
 Berne, N. C. U.S.civ.war 973.7362
 books, cases for lib. econ. 022.482
¹ Britain, Australa. hist. 993.6
¹ Brunswick, Can. " 971.5
¹ Brunswick, N. J. hist. 974.942
¹ Caledonia, Australa. " 993.2
¹ Castile, Spain " 946.4
 travels 914.64
 church, Swedenborgian 289.4
 biog. 922.84
¹ England, U. S. history 974
 campain
 1779 Amer. revol. 973.3351
 war of 1812 973.5233
 For military history of New
 England or its individual
 states, see subdivisions of
 Special campains and Military
 history under 973.3, 973.7
 and 973.89

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

New

- Forest pony 636.1626
- ¹ France, Canada history 971
travels 917.1
- ¹ Granada, S. A. history 986
- ¹ Guinea " 995
- ¹ Hampshire, U. S. " 974.2
For military history see 973.3442,
973.7442 and 973.89442
- ¹ Haven, city, Conn. hist. 974.68
co. Conn. " 974.67
- ¹ Hebrides, Australia. " 993.4
- ¹ Holland, Australia " 994
- ¹ Ireland, Australia. " 993.6
- ¹ Jersey, U. S. " 974.9
For military history, see sub-
divisions of Special campaigns
and Military history under
973.3. 973.7 and 973.89
- Jerusalem church 289.4
- Leicester swine 636.4244
- ¹ London co. Ct. history 974.65
- ¹ Madrid co. Mo. " 977.8985
- Market, Va. U.S.civ.war 973.7369
- Mexican goat 636.3981
- Mexico, U. S.
discov. of America 973.16
history 978.9
Kearny in Mex. war 973.6231
For military history, see sub-
divisions of Special campaigns
and Military history under
973.7 and 973.89
- Orleans, La.
battle U.S. war 1812 973.5239
capture civ. war 973.7321
exposition 606
history 976.3
nav.hist. U.S.civ.war 973.752
travels 917.63
- Platonism 186
- Plymouth colony hist. 974.4
- ¹ River valley, W. Va. " 975.47
- ¹ South Wales " 994.4
- ¹ Sweden, Penn. " 974.8
- Testament Bible 225
- Testament biography 225.92
Greek dialects 487.3
- thought 131
- year customs 394
- ¹ York, U. S. history 974.7
For military history of state, see
subdivisions of Special campaigns
and Military history under
973.3. 973.52, 973.7 and 973.89
travel 917.47
city Brit. occupa. 973.3323
evacuation 973.339

New

- ¹ York city history 974.71
travels 917.471
- ¹ vicinage hist. 974.72
point system 655.38
soc. of 2d war w.Gt.Br. 369.144
Univ. of the State of 379.747
- ¹ Zealand history 993.1
hemp 633.572
- ¹ Newark, N. J. history 974.932
- ¹ O. " 977.1541
- ¹ Newaygo co. Mich. " 977.458
- Newborn
care of 618.6
nourishment of physiol. 612.3942
physiology 612.648
- Newburg
addresses Am. revol. 973.349
Washington's headquar. 973.367
- ¹ Newcastle co. Del. hist. 975.11
- ¹ Newfoundland " 971.8
- ¹ Newport city, R. I. hist. 974.57
travels 917.457
- ¹ co. R. I. hist. 974.56
French fleet at
Amer. revol. 973.354
- Newspaper
cuttings preservation 029.3
directories 016.07
racks lib. econ. 022.935
reporting shorthand 653.044
- Newspapers
ethics 179.1
journalism 070
legislative supplies 328.364
library administration 025.1732
mutilation in libraries 024.84
- Newsrooms
free 027.9
library buildings 022.6332
location of branch 022.17
- Newt zoology 598.11
- ¹ Newton co. Ind. history 977.297
- ¹ Mo. " 977.873
- Newton's binomial theorem 512.4
- Ngami, lake travel 916.76
- Niagara
¹ co. N. Y. history 974.798
- ¹ Falls, N. Y. " 974.799
Ft. capture war of 1812 973.5234
- Nibelungenlied Ger. poet. 831.21
- Nicaragua
canal engineering 626.9
sociology 387

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- Nicaragua
¹ history 972.85
 travel 917.285
- Niccolini, G. Ital. drama 852.71
- ¹Nice history 944.94
 travel 914.494
- Nicene
 Ante, church 100-325 281.3
 councils religious hist. 270.2
 creed 238.1
 Post, church 325-1054 281.4
- Nicholas ¹ Russian hist. 947.07
 2 " " 947.08
- ¹Nicholas co. W. Va. " 975.469
- Nicholls C.. (Bronté) 823.81
- Nickel
 coinage pol. econ. 332.41
 inorganic chemistry 546.74
 ores economic geol. 553.48
- ¹Nicobar ilands history 992
- ¹Nicolet co. Que. " 971.455
- Niellowork arch. decora. 729.64
- Niemsch v. Strehlenau
 Ger. poetry 831.76
- ¹Nièvre, France history 944.56
- Niger river description 916.6
- Night opening lib. econ. 024.34
 soil air pollution 614.764
 work labor'g classes 331.812
- Nigretti sheep 636.365
- Nihilism philosophy 149.8
 socialism 335
- Nile description 916.2
 goat agriculture 636.39862
- ¹Nîmes history 944.83
 travel 914.483
- Nineteenth cent'y Eur. hist. 940.28
- Ninety-six, Fort, S. C.
 Amer. revol. 973.3373
- Nineveh anc. history 935.2
⁴ cuneiform lang. 492.19
- Ninth nerv anatomy 611.8319
 physiology 612.8199
- Niobium inorgan. chem. 546.89
- ¹Nipal, India history 954.2
 travel 915.42
- ¹Nipissing dist. Ont. hist. 971.314
 lake " travel 917.1314
- Nipple anatomy 611.691
- Nirvana oriental filosofy 181.4
- Nisard, J. M. N. D. 844.77
- Nissl's bodies histology 611.01882
- Nitrates chem. tech. 661.6
 fertilizers 631.842
 mineralogy 549.72
- Nitric acid chemic tech. 661.2
- Nitrifying
 crops agric. 631.8471
- Nitrites depressants 615.716
- Nitro-derivativ org. chem. 547.8
- Nitrogen
 assimilation physiol. 612.3922
 compounds air pollution 614.727
 in blood physiol. 612.125
 urea " 612.4612
- fertilizers agric. 631.84
 group inorganic chem. 546.17
 metabolism phys. chem. 612.01533
- Nitrogenous
 foods domestic econ. 641.12
 substances nutrition 612.398
 crystallizable
 physiol. chem. 612.015347
- Nitroglycerin chem. tech. 662.2
- Nitrous oxid anesthetics 615.781
- ¹Nivernais, France history 944.56
 draft horse 636.1545
- Nobel prizes 378.32
- ¹Nobility heraldry 929.7
 social classes 323.31
 ethics 177.5
- ¹Noble co. Ind. history 977.276
¹ O. " 977.195
- Noble Leyczon, La
 Provençal poetry 849.132
- ¹Nobles biography 923.2
 education 371.962
- Nocturne piano music 786.43
- ¹Nodaway co. Mo. history 977.812
- Nodier, J' C' E. Fr. fiction 843.72
- Nodose ganglion anat. 611.89191
- Noise public helth 614.8
- Nomads outcast races 397
- Nomenclature
 anatomy 611.0114
 botany 580.1
 physiology 612.0114
 theoretic chemistry 541.9
- Nominalism philosophy 149.1
- Nominations suffrage 324.231
- Nomsz, Jan Dutch drama 839.3245
- Nonalkaloid anesthetics
 physiol. psychology 612.82142
- Nonautomatic actions
 of animals comp. phys. 612.821311
- Nonchristian
 biography 922.9
 religions 290
 and education 377.9
- Noncombatants Great war 940.3161

Noncondensing engines	621.11253	⁵ Norse, old literature	839.6
Nonconformists		Norsemen Scandin. hist.	948
English religious hist.	274.2	North	
sects	283.42	¹ Africa history	961
Nondepolarized cells	621.3535	America geography	917
Nondirigible		geology	557
aircraft aeronautics	629.151	history	970
NonEuclidean geometry	513.8	languages	497
Nonjurors Eng. relig. hist.	274.2	statistics	317
Nonmalignant tumors	616.993	travels	917
Nonmetallic		American turkey	636.5921
elements chemistry	546.1	¹ Atlantic states U. S. hist.	974
poisons therapeutics	615.923	¹ Canada "	971.2
Nonnitrogenous substances		¹ Carolina, U. S. "	975.6
foods dom. econ.	641.13	travel	917.56
metabolism nutrition	612.398197	secession U.S.hist.	973.713
physiol. chem.	612.015346	For military history, see sub-	
urin constituents	612.4618	divisions of Special campaigns	
Nonofficial drugs adulter.	614.352	and Military history under	
Nonrigid dirigibles	629.157	973.3, 973.52, 973.7 and	
Nonsphericity of planets	521.43	973.89	
Nonwoody fruit	634.77	¹ Central states history	977
¹ Nord, France history	944.28	Dakota, U. S.	
Nordenflycht, H. C.	839.7143	admission U. S. hist.	973.86
¹ Norfolk co. Eng. hist.	942.61	history	978.4
Mass. "	974.47	mil. hist. Spanish war	973.89484
Ont. "	971.336	U. S. civ. war	973.7484
Norfolk cattle	636.2265	travels	917.84
sheep	636.3235	Devon cattle	636.2261
turkey	636.5927	cast, see Northeast	
Noricum ancient "	939.85	German confederation	943.081
Norite Plutonic rocks	552.37	Holland cattle	636.2351
Normal labor obstetrics	618.44	swine	636.433
schools	370.73	in U. S. civil war	973.741
training agric.	630.775	For military history of the North	
Norman		or its individual states, see sub-	
architecture, English	723.42	divisions of Special campaigns	
French	723.44	and Military history under	
Sicilian	723.45	973.3, 973.52, 973.7 and 973.89	
cattle	636.2461	pole travels	919.8
conquest Eng. hist.	942.021	sea physical geog.	551.461
conquests Europ. hist.	940.14	west, see Northwest	
draft horse	636.1541	¹ Northampton co. Eng. hist.	942.55
swine	636.443	Pa. "	974.822
¹ Normandy, Fr. history	944.2	Northeast German sheep	636.3317
Norse "	948.02	ter. Can. hist.	971.28
Normans, England "	942.02	¹ Northeastern	
¹ Norrland, Sweden "	948.8	boundary U. S. hist.	973.57
Norse		treaty " "	973.58
discovery of America	973.13	passage	919.8
⁴ language	439.8	Northern	
⁶ literature	839.8	dewberry	634.7171
mythology	293	invasion Am. revol.	973.3366
⁴ old, language	439.6	lights aurora borealis	523.59
		mythology	293
		Panhandle, W. Va. hist.	975.411
		travel	917.5411

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Northern
 papaw 634.418
 prisons U. S. civ. war 973.772
 Northmen in Am. U.S.hist. 973.13
 Scand. history 948
 Northumberland co.
¹ Eng. history 942.82
¹ N. B. " 971.521
¹ Ont. " 971.356
¹ Pa. " 974.831
 Northwest
 boundary, Ore. U.S.hist. 973.611
 San Juan " 973.82
 department of
 1862 U. S. civ. war 973.7329
 1863 " " " 973.7341
 events in
 1778-79 Amer. revol. 973.3348
 1779 " " 973.3358
 passage travels 919.8
 rebellion Can. hist. 971.054
¹ Territories " " 971.2
¹ territory U. S. " 977
 travels 917.7
 Norway
 administration 354.481
 botany 581.9481
 finance 336.481
 geology 554.81
¹ history 948.1
 maps 912.481
 schools, public 379.481
 statistics 314.81
 travel 914.81
 treaties 341.2481
 union with Sweden hist. 948.06
 other topics see table 1
 Norwegian
 haybox cookery 641.588
 kitchen 643.338
⁴ language 439.8
⁵ literature 839.8
 Romanesque architecture 723.48
 Nose
 anatomy 611.21
 diseases pathology 616.21
 in speech physiology 612.7891
 muscles anatomy 611.7323
 physiology 612.2154
 Nosology medicin 616.01
 Nostrums state control 614.27
 Nota, Alberto Ital. dram. 852.65
 Notaries public law 347.96

Notation
 abridged anal. geom. 516.52
 arithmetic 511.2
 for book sizes 025.3
 music 781.2
 system of lib. classificat. 025.4
 theoretic chemistry 541.9
 Notebooks liter. methods 029.4
 Notes
 personal shorthand 653.041
 promissory pol. econ. 332.7
 public and priv. " 332.5
 Notion mental faculties 153.1
 Notochord embryology 611.01341
¹ Nottingham, Eng. history 942.52
 travels 914.252
¹ Notts, England history 942.52
⁸ Nouns Eng. syntax 425.5
 forms etymol. 422.5
 " morfol. 425.15
¹ Nouvelle France history 971
¹ Nova Scotia " 971.6
 Novaculite lithology 552.45
 Novel reading ethics 175.8
 lib. econ. 028.4
 writing 808.3
 Novelists, English biog. 928.23
 Novels
 American civil war 973.793
⁵ English literature 823
 Great war 1914-19 940.493
 readers privileges 024.78
 religious 244
¹ Novgorod, Russia hist. 947.2
 Novilatlin univ. lang. 408.9
 Noxious
 animals econ. zoology 591.65
 gases air pollution 614.72
 materials " " 614.75
 plants econ. botany 581.65
 vapors hygiene 613.62
 Noxiousness
 of animals, econ. zoology 591.65
 Nozles steam turbin design 621.16533
 theory 621.16513
¹ Nubia, Egypt history 962.4
 Nubian milk goat 636.3986
 sheep 636.386
 Nuciculture agric. 634.5
 Nuck, canal of anatomy 611.6673
 Nuclei, dentate " 611.81713
 olivaris super. " 611.81713
 Nucleoalbumins nutrit. 612.398136

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Nucleoproteids	nutrit.	612.3981451	Nurses		
Nucleus			American revolution	973.376	
caudatus	anatomy	611.81321	domestic servis	647.25	
motorius	"	611.81741	Great war 1914-19	940.475	
of cell	histology	611.01813	physiologic zoology	591.163	
	physiology	612.01422	training of	610.73	
Luys	anatomy	611.8141	U. S. civil war	973.776	
red	"	611.81544	Nursing	domestic econ.	649
taild	"	611.81321		medicin	610.73
Nude fowls		636.5882	Nusairian religion	297	
Nudifloreae	botany	584.6	Nut culture	634.5	
¹ Nuevo Leon, Mex.	hist.	972.1	gatherers	631.3561	
Nuisances	law	347.5	Nutation	astron. correc.	522.96
	public helth	614.7		theoret. astron.	521.9
Nullification			Nutmeg	culture	633.834
in South Carolina		973.561		muskmelon	635.611
U. S. constitut. law		342.73	Nutrient arteries	anat.	611.1342
Number			Nutriments	physiology	612.302
accession	lib. econ.	025.243	Nutrition		
metaphysics		119	action of glands on		612.403
of library trustees		023.32		on glands	612.404
members legis. bodies		328.3349	of bones	physiology	612.752
² signs of	Eng. etymol.	422.5	muscles	"	612.7465
Numbering			plants	fertilizers	631.811
machines	library	025.244	physiologic botany		581.13
	offis	652	zoology		591.13
	printing	655.36	physiology		612.39
of pages	bookmaking	655.27	Nutritiv		
Numbers			baths	hygiene	613.23
book of	Bible	222.14	enemeta	"	613.23
prime	arithmetic	511.3	phenomena	physiol.	612.39
shelf	library econ.	025.8	Nutritory		
theory of	algebra	512.81	organs	comp. anat.	591.43
Numeration	arithmetic	511.2		descrip.	591.73
Numeric equations, higher		512.2	Nuts	agriculture	634.5
Numidia	ancient history	939.72	dietetics		613.27
Numismatics		737	domestic econ.		641.3
Nunneries		271.9	harvesting		631.5561
Nuns		271.9	physiology		612.39272
cloisterd		271.96	Nux vomica	spin. poisons	615.97
¹ Nuremberg	history	943.32	Nyblom, K: R.	Swed. lit.	839.7466
	travels	914.332	Nyctagineæ	botany	583.911
Nurseries			Nyerup, R.	Danish essays	839.845
day		362.7	Nymphæaceæ	botany	583.118
Nursery					
catalogs	agriculture	631.5214			
domestic economy		649.1			
food	dom. econ.	649.3			
	hygiene	613.22			
furniture	dom. economy	645.67			
lore	folklore	398.3			
rimes	folklore	398.3			

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Oak	botany	583.976	Observatories		
	forestry	634.9	school apparatus	371.662	
¹ Oakland city, Cal.	hist.	979.466	buildings	371.623	
¹	co. Mich.	977.438	Observing		
Oases	physical geografy	551.58	chairs	astronomy	522.28
Oat grass	forage crops	633.265	powers	education	372.3
Oaths			Obsession	demoniac	133.4
ethics		179.5		spiritism	133.9
legal		347.94	Obsidian	lithology	552.23
of allegiance	pol. sci.	323.62	Obstetric operations		618.8
offis	legislativ bodies	328.361	Obstetrics	gynecology	618.2
Oats	agriculture	633.13	Obturator		
	botany	584.9	artery	anatomy	611.1375
	zootechny	636.08613	externus	"	611.73826
¹ Oaxaca, Mexico	history	972.7	internus	"	611.73817
Obadiah	Bible	224.91	Occipital		
Obedience	doctr. theology	234.6	artery	anatomy	611.13326
	family ethics	173.6	bone	"	611.7151
Obelisks	antiquities	913.32	glands of neck	"	611.4631
	monuments	718	lobe of brain	"	611.81315
Oberammergau pass'n	play	792	Occipito-		
Obesity	diseases	616.39	atlantal joints	anatomy	611.7211
	physiology	612.3977	axial	"	611.7211
Obex	anatomy	611.8185	frontalis muscle	"	611.7322
Obituary addresses	biog.	920	Occult sciences		133
	serm.	252.9	Occultations		
Object glass	telescopes	522.24	and transits, astronomy	523.99	
	teaching	education	finding longitude	525.48	
Objectivs	microscopy	578.2	Occultism		133
Oblates	monast. orders	271.76	Occupation-		
Obligations	soc. ethics	177.8	choice of		374.1
Oblique			territorial	pol. sci.	320.1263
arches	arch. construc.	721.42	therapeutics		615.851
muscles, abdom.	anat.	611.7363	Occupations		
of hed	"	611.7318	injurious	hygiene	613.6
perspectiv	descr. geom.	515.61	mortality in	pub. helth	614.146
projection	"	515.3	special diseases from		616
Obliquity of ecliptic		525.32	Ocean		
Oboe	musical instrum.	788.7	coast changes		551.36
Obreновics	swine	636.472	¹ co. N. J.	history	974.948
¹ O'Brien co. Ia.	history	977.714	currents	phys. geog.	551.47
Observation			exploration		910.4
errors	probabilities	519.6	geografy	maps	912
mental faculties		152	life	zoology	591.92
Observations	astronomy	524	liners	shipbuilding	623.824
auxiliary		522.6	mails		383
of comets		523.69	Pond, Fla.	U. S. civ war	973.7364
moon		523.39	telegraf	communication	654.5
planets		523.49		elec. engin'g	621.3828
stars		523.89	tides		525.6
sun		523.79	transportation	sociol.	387
Observatories			useful arts		656
astronomy		522.1			
meteorologic		551.5			

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Ocean travels	910.4	Official	
¹ Oceana co. Mich. history	977.459	reporting shorthand	653.046
Oceania		residences architect.	725.17
ecclesiastic history	279	Official drugs adulterat.	614.351
geografy	919	Offis	
geology	559	and apartm't bldgs arch.	725.22
¹ history	990	bildings	725.23
statistics	319	bildings care of	647.962
swine	636.489	equipment and methods	651
travels	919	furnishings dom. econ.	645.64
Oceanica, <i>see</i> Oceania		groups blanket ballot	324.256
Oceanology phys. geog.	551.46	tenure of civil servis	351.4
Oceans physical geografy	551.46	training law educat.	340.7
Ochnaceæ botany	583.245	Officers	
¹ Oconto co. Wis. history	977.537	administrativ univ.	378.11
Octateuch Bible	222	army and navy lives	923.5
Octocorolla radiates	593.62	mil. sci.	355.33
Octroi local taxes	336.28	civil servis lives	923.5
Oculomoto nerv, <i>see</i> Third nerv		organization	351.1
external, <i>see</i> Sixth nerv		duties of public ethics	172.2
Od mind and body	134	gov't, legis. power over	328.345
Odd Fellows secret soc.	366.3	of legislativ bodies	328.362
Odel, Anders Swed. poetry	839.7144	presiding legis. bodies	328.3621
Odell shorthand	653.35	Offises	
¹ Odessa history	947.7	excise architecture	725.14
Odic force mind and body	134	post	725.16
Odontalgia dentistry	617.65	public	725.13
Odontografs mech. engin'g	621.831	record	725.15
Odontology		Offsholding	
animal compar. anat.	591.43	legislativ restrictions	328.349
descrip. "	591.73	Offsets plant culture	631.5321
human	611.314	Offspring hygiene	613.9
Odontornithes fossils	568	Ofthalmia eye diseases	617.71
Odylic force	134	Ofthalmic	
Ecumenical councils		artery anatomy	611.13332
ecclesiastic polity	262.5	nerv of Willis	611.83152
religious history	270.2	surgery	617.7
Oedema physiology	612.381	vein, inferior anat.	611.14516
Oehlenschläger, A. G.	839.8161	superior	611.14515
Oenotheras botany	583.445	Ofthalmology	
Oesophagus, <i>see</i> Esophagus		anatomy	611.84
Offal air pollution	614.763	diseases	617.7
Offensiv		physiology	612.84
animals econ. zoology	591.66	Ofthalmometer physiol.	612.84261
materials air pollution	614.75	Ofthalmoscope pathol.	617.7
Offertory alms	264.9	physiol.	612.84312
organ music	786.86	¹ Ogemaw co. Mich. history	977.475
sacred	783.23	Ogier, G. Dutch drama	839.3235
Office, <i>see</i> Offis		¹ Ogle co. Ill. history	977.332
Official		Ogres folklore	398.4
ballot suffrage	324.252	Ohio	
functions civ. ser. officers	351.1	co. Ind. history	977.212
register, U. S. civ. serv.	351.2	W. Va.	975.414

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Ohio
 state
 admission U.S.hist. 973.46
 history 977.1
 For military history, see
 973.52471, 973.7471 and
 973.89471
 travel 917.71
 valley description 917.7
 W. Va. history 975.41
 Ohmmeters elec. eng. 621.3742
 Oil
 animal chem. analysis 543.9
 technol. 665.2
 baths prac. chem. 542.46
 burning locomotivs 621.1331
 coal economic geology 553.28
 cooking by dom. econ. 641.583
 cookstoves " " 643.333
 domestic fuel " " 644.23
 engins mech. engin'g 621.4342
 feeders lubrication 621.89
 heaters dom. econ. 644.23
 lamps " " 644.32
 light " " 644.312
 light lib. bildings 022.751
 painting art 751
 bilding 698.1
 plants agriculture 633.85
 refining, mineral air pol. 614.724
 strainers lubrication 621.89
 surface road engin'g 625.75
 switches elec. eng. 621.31735
 tractors agriculture 631.3722
 Oilcloth manufactures 679
 Oilers shipbilding 623.826
 Oils
 adulterations 614.313
 essential chem. tech. 668.5
 fixt materia medica 615.34
 food constituents 641.14
 manufacture 665
 protectiv external agents 615.776
 vegetable agriculture 633.85
 chem. anal. 543.8
 tech. 665.3
 Ointments therapeutics 615.776
¹Oise, France history 944.35
 Oklahoma, U. S.
¹ history 976.6
 opening U. S. hist. 973.86
 travels 917.66
 Okra 635.648
 Olacales botany 583.26

Olacineæ botany 583.261
 Olai, Ericus Swed. poetry 839.7113
 Old
 age insurance pol. econ. 331.25
 mortality pub. helth 614.135
 pensions pol. econ. 331.25
 physiology 612.67
 therapeutics of 615.54
⁴ Bactrian language 491.52
¹ Castile Spanish history 946.3
 travels 914.63
 catholic church 284.8
⁴ Egyptian language 493.1
³ English language 427.01
 French " 447.01
 gard, order 369.116
 Norfolk sheep 636.3235
⁴ Norse language 439.6
 literature 839.6
⁴ Persian language 891.51
⁴ Prussian " 491.91
 red sandstone geology 551.74
⁴ Saxon language 439.2
 literature 839.2
 school baptists 286.4
 Testament 221
 biografy 221.92
¹Oldenburg, Ger. history 943.52
 cattle 636.2344
 horse 636.143
 swine 636.434
 Oldham, John Eng. satire 827.45
 Oleaceæ botany 583.71
 Olefins organic chem. 547.22
 Olempe sheep 636.3468
 Oleomargarin
 adulterations 614.326
 chemic technology 664.3
 dairy 637.281
 Oleron, laws of admiralty 347.7
 Olfaction physiology 612.86
 psychology 152.3
 Olfactory
 bulb anatomy 611.8133
 nerv " 611.8311
 physiology 612.8191
 organs anatomy 611.86
 physiology 612.86
 tract anatomy 611.8133
 Oligarchy polit. science 321.5
 Oligocene period geology 551.781
 Olivary
 bodies anatomy 611.8183
 body, nucleus of superior 611.81777

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Oliv oil	chemic technol.	665.3	Oordoo language	491.43
Olivs	agriculture	634.63	Oosporeæ	algæ 589.5
Olona	fiber crops	633.565		fungi 589.24
¹ Olonetz	Russian history	947.2	Ooze	lithology 552.54
Olozaga, Salustiano de			Opal	economic geology 553.8
	Span. oratory	865.51	Open	
Oltmans, J. F.	Dutch fic.	839.3353	air schools	371.718
Olufsen, O. K.	Dan. dram.	839.8257	arc elec. lighting	621.32542
Olustee, Fla.	U.S.civ.war	973.7364	channels	hydraulics 532.54
Olympiads	chronology	529.3	circuit cells	elec. eng. 621.3535
Olympic games	Gk antiq.	913.38	reference shelvs	lib. econ. 024.55
¹ Oman, Arabia	history	953.5	shelvs	lib. econ. 024.56
	travel	915.35	voting	suffrage 324.244
Omayyads	Span. hist.	946.02	workings	mining 622.31
Omens	occultism	133.3	Opening, Sunday	
Omentum	anatomy	611.382	libraries	024.4
	diseases of	616.38	and museums	263.7
	physiology	612.339	Openings	
Ommiads	Span. hist.	946.02	in roofs	arch. construc. 721.55
Omnibus			streets	sewerage 628.231
bill	U. S. history	973.63	Opequon, Va.	battle
riders	special legislation	328.376		U. S. civil war 973.7377
Omnigraf	engraving	760	Opera	
Omnipotence	doct. theol.	231.4	amusement	792
Omnipresence	" "	231.4	bouffe	dramatic music 782.7
Omniscience	" "	231.4	dramatic music	782
Omohyoid muscle	anat.	611.7333	ethics	175.2
Omphalomesenteric			houses	architecture 725.82
artery	anatomy	611.1364	recitative	vocal music 784.2
vein	"	611.1497	Operations, calculus of	517.7
Onagrarieæ	botany	583.445	Operativ surgery	617.9
Oneida			Operculum	anatomy 611.81319
community	socialism	335.973	Operetta	music 782.8
¹ co. N. Y.	history	974.762	Ophicleide	" 788.45
¹ Wis.	history	977.525	Ophidia	reptils 598.12
indians		970.3	Ophiomorpha	fishes 597.7
Oneman farm		631.1163	Ophiuridea	zoology 593.94
Oneway plow		631.3124	Ophthalmia	eye diseases 617.71
Ongtischaf		636.385	Ophthalmic,	see Ophthalmic
Onions	agriculture	635.25	Ophthalmology,	see Ophthalmology
¹ Onondaga co. N. Y.	hist.	974.765	Ophthalmometer	physiol. 612.84261
	indians	970.3	Ophthalmoscope	pathol. 617.7
¹ Ontario, Canada	history	971.3		physiol. 612.84312
¹ co. N. Y.	"	974.786	Opitz v. Boberfeld	Ger.poet. 831.51
¹ Ont.	"	971.355	Opium	
Ontogeny	anatomy	611.013	agriculture	633.75
	zoology	591.3	analgesics	615.783
Ontology	philosofy	111	habit	ethics 178.8
Ontonagon co. Mich.	hist.	977.498		hygiene 613.82
Onychophora	articulates	595.5	narcotic poisons	615.961
Oolite	geology	551.76	traffic	ethics 178.8
	lithology	552.56	war, 1840-42	Chinese hist. 951
Oology	ornithology	598.2	Opossums	mammals 599.2

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Opothepy			Orbicularis oris	611.7326
therapeutics	615.36		Orbit	
hepatic physiology	612.35161		of comets astronomy	523.63
Oppian Greek poetry	883.4.		earth "	525.3
Opposition			eye, etc. diseases	617.78
of good and evil heresy	273.2		moon astronomy	523.33
Oppositions solar system	523.23		Orbits	
Oposonic theory			of eyes anatomy	611.7146
physiology	612.118223		hevenly bodies	521.3
Optic			plane of, in space astron.	521.21
chiasm anatomy	611.8144		position of, in plane "	521.22
crystallografy	548.9		¹ Orcades, Scot. history	941.12
disc anatomy	611.843		Orchard hawk	631.3138
illusions physiology	612.84374		grass forage crops	633.22
lobes "	612.8265		Orcharding agriculture	634
nerv anatomy	611.8312		Orchards agriculture	634
eye diseases	617.73		Orchestral music	785
physiol. of eye	612.843		sacred music	783.1
nervs " " nervs	612.8192		Orchestrion music	789.7
perceptions physiol.	612.84372		Orchids	
thalamus anatomy	611.8147		botany	584.15
physiology	612.8261		fertilization of, botany	581.16
tract anatomy	611.8144		gardening	716.2
Optics physics	535		Orchitic fluid physiol.	612.616
physiology	612.84		Ordeal, trial by law	340.3
Optimism philoosofy	149.5		Order	
Optional			department lib. econ.	025.23
studies curriculum	375.0014		of founders and patriots	
vaccination pub. helth	614.4739		of America	369.125
Optostriate body physiol.	612.8261		studies curriculum	375.0011
Orach	635.43		the Old gard	369.116
Oracles mind and body	133.3		public administration	351.75
Oral			Orders	
examinations educat'n	371.27		holy ministry	262.16
instruction "	371.33		sacraments	265.4
pharynx anatomy	611.3272		in council, 1807-8 Eng. hist.	942.073
Orange			the ministry eccles. pol.	262.16
associations polit. soc.	363		monastic	271
¹ city, N. J. history	974.933		of architecture	729.32
¹ co. Cal. "	979.496		kighthood heraldry	929.71
¹ Ind. "	977.227		social pol. sci.	323.3
¹ N. Y. "	974.731		Ordinal Anglican ritual	264.037
¹ Vt. "	974.36		Ordinance of 1787	973.318
family agriculture	634.3		Ordinances Anglican rit.	264.035
¹ Free State history	968.5		city local gov't	352
Orangemen polit. ass'ns	363		local lib. "	023.1
Oranges fruit culture	634.31		religious	265
⁵ Orations Eng. literature	825.3		Ordination eccles. polity	262.16
Oratoric clubs educ.	374.24		sacraments	265.4
Oratorios sacred music	783.3		sermons	252.7
Orators, English biografy	928.25		Ordinance mil. engin'g	623.4
Oratory	808.5		stores, care of	623.48
sacred homiletics	251		Ordo anomalus botany	583.899
Orbicular muscles of eye	611.7325		Ordoo language	491.43

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Ore			
cars	mining engin'g	622.63	
concentrators	min. eng.	622.75	
deposits	econ. geol.	553.1	
dressing	mining eng.	622.7	
sampling	assaying	669.9	
Oregon, U. S.			
admission	U. S. history	973.68	
boundary	" "	973.611	
¹ history		979.5	
mil. hist.	U. S. civil war	973.7495	
	Span. war	973.89495	
question	U. S. hist.	973.5	
	travel	917.95	
¹ Oregon co. Mo.	history	977.8875	
Ores			
chemic analysis		543.6	
iron	econom. geology	553.3	
metallurgy		669	
mineralogy		549	
mining		622	
non-iron	econ. geol.	553.4	
Orford, H. Walpole	Eng. let.	826.61	
Organ			
building		786.6	
cabinet		786.9	
music		786.8	
musical instrument		786.5	
of Corti	anatomy	611.8522	
	physiology	612.8584	
sacred music		783.1	
Organa lateralia	anat.	611.889	
Organic			
and inorganic matter		577.1	
chemic industries		660	
chemistry		547	
chemistry of soil		631.417	
drugs	materia medica	615.3	
liquids	physical chem.	541.327	
material	zoology	591.137	
products	chem. analysis	543.8	
remains	paleontology	560	
Organisms, physiology of		612.014	
Organization			
central gov.	foren states	354	
	U. S.	353	
city	local gov't	352.004	
civil servis		351.1	
cooperation		334.1	
courts	law	347.97	
engineering works		621.704	
internal legis. bodies		328.36	
laboring classes		331.87	
military forces		355.3	
Organization			
party	suffrage	324.233	
schools	education	371.2	
Organizations			
labor	pol. econ.	331.88	
library	propaganda	021.77	
² special purposes,	see subject		
Organografy	botany	581.7	
	zoology	591.7	
Organs			
embryonic, human		611.013	
of generation	anatomy	611.6	
	comp. anat.	591.46	
	descr. "	591.76	
overuse of	hygiene	613.65	
Oriels	architectural design	729.38	
Oriental			
architecture		722	
art		709.5	
churches		281.5	
customs		915	
frils	pigeons	636.59634	
history		950	
horses		636.11	
languages		490	
literature		890	
music	theory	781.7	
mythology		291	
philosofers	biografy	921.9	
philosofy		181	
question	Turkey	949.6	
rasberries		634.715	
religions		290	
societies		490.6	
theologians	biografy	922.1	
Orientalia	literature	890	
Orientalis	dom. servis	647.24	
	education	371.976	
Orientation			
ecclesiology		246.1	
sense of	physiology	612.8861	
Orifises	hydraulics	532.52	
Origen	early Chris. philos.	189.2	
Origin of			
English language		422.1	
evil	natural theology	216	
individ. soul	metaphys.	129	
knowledge	"	121	
language		401	
life		576	
man	nat. hist. of man	573.2	
printing		655.11	
religious belief		201	
sexes	evolution	575.9	

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- Origin of
 species " 575.8
 speech philology 401
 state political science 320.11
 Original
 home of man ethnology 572.4
 sin doctrinal theology 233.2
 Orinoco river travel 918.7
 Oriskany Amer. revolution 973.3334
¹Orissa, India history 954.1
⁴ language 491.45
 Orkney sheep 636.3258
¹Orkneys, Scotland history 941.12
 Orléans, C: duc d' Fr. poet. 841.22
¹Orléans France history 944.5
 house of Fr. " 944.063
¹ Ile d', Que. " 971.448
¹Orleans co. N. Y. " 974.791
¹ Vt. " 974.32
 Ormin Eng. poetry 821.12
 Ornament
 carved arch. decorat'n 729.5
 painted " " 729.4
 Ornamental
 botany 716
 design 745
 gardening, landscape 710
 joinery carpentry 694.7
 plasterwork masonry 693.63
 Ornaments
 costume 391.7
 domestic economy 645.5
 prehistoric 571.7
 toilet 646.48
¹Orne, France history 944.23
 Ornithology 598.2
 Ornithopters aeronautics 629.177
 Orobanchaceæ botany 583.821
 Orology physical geog. 551.43
 Orphan asylums
 architecture 725.57
 institutions 362.7
 U. S. civ. war 973.7772
 Orphic poems Gk epics 883.5
 Orpington poultry 636.524
 Orrery astronomy 523.28
 Orris perfume plants 633.815
 Orthodox church Greek 281.9
 Orthodoxy heresies 273
 Orthoepy
 compar. philol. 411
² English language 421.5
 Orthographic projections 515.51
³Orthografy Eng. lang. 421
- Orthomorphic projec. geod. 526.82
 Orthopedic
 appliances surgery 617.92
 surgery 617.3
 Orthoptera agriculture 632.72
 zoology 595.72
 Orthopters aeronautics 629.177
 Oryctology paleontology 560
 Oryzae forage crops 633.284
 Os, dilatation obstetrics 618.84
¹Osage co. Mo. history 977.858
¹Osceola co. Ia. history 977.7116
¹ Mich. " 977.469
 Oscillating
 marine engines 621.1225
 steam " 621.11245
 Oscillations of earth's crust 551.24
 Oscillograps elec. eng. 621.3747
¹Oscoda co. Mich. history 977.478
 Osculation calculus 517.24
¹Oshkosh, Wis. history 977.565
 Osier fiber crops 633.588
 Osmium
 filaments elec. lighting 621.32644
 inorganic chemistry 546.94
 Osmose of liquids 532.7
 Osmosis
 absorption physiology 612.382
 mesology 612.0144621
 theoretic chemistry 541.341
 Osmotic
 permeability of blood 612.11117
 pressure of blood 612.11811
 Osseous labyrinth anat. 611.853
⁴Ossetic language 491.56
 Ossian Eng. literature 821.66
 Ossoli, M. (Fuller) d' 814.31
 Ostend manifesto U.S.hist. 973.66
 Osteology
 animal descriptiv 591.79
 comparativ 591.49
 human anatomy 611.71
 Osteopathy therapeutics 615.82
 Ostracism Gk antiqui. 913.38
 Ostracoda articulates 595.33
 Ostrich
 farms agriculture 636.611
 zoology 598.5
¹Oswego co. N. Y. history 974.767
¹Otaheite history 996.2
 travel 919.62
 apple, sweet 634.442
 gooseberry 634.666
 Otfried German poetry 831.12

Otic ganglion	anat.	611.89156	Ovariectomy	surgery	617.46
Otocysts	physiology	612.85876	Overcoats	dom. econ.	646.45
Otoliths,	<i>see</i> Earstones		Overcrowding	curriculum	375.006
Otology			Overfalls	hydraulics	532.53
anatomy	of ear	611.85	Overflows	sewer appurten.	628.258
diseases	"	617.8	Overhanding	dom. econ.	646.21
physiology	"	612.85	Overhed		
¹ Otsego co. Mich.	hist.	977.484	lines elec. transmission	621.31922	
¹ N. Y.	"	974.774	wire " traction	621.3322	
¹ Ottawa city, Ont.	"	971.384	Overhours	hygiene	613.61
¹ co. Mich.	"	977.415	Overlegislation	pol. sci.	328.241
¹ O.	"	977.121	Overmantels	fixt furniture	729.95
¹ Que.	"	971.422	Overhot wheels	mech. eng.	621.22
Otto ¹	German history	943.022	Overskou, T:	Danish dram.	839.8264
2	"	943.022	Overstrain		
3	"	943.022	effect on library servis	023.644	
4	"	943.025	staff	023.643	
Otto cycle	gas engins	621.4321	physical hygiene	613.73	
¹ Ottoman empire	history	949.6	Overstudy	school hygiene	371.71
¹ Ottumwa, Ia.	"	977.7931	Overtime work	lib. econ.	023.64
Otway, T:	Eng. drama	822.45	polit. econ.	331.814	
Oudaan, Joachim	Dut. "	839.3236	Overture	orchestral music	785.5
¹ Oudh, India	history	954.2	Overuse of organs	hygiene	613.65
¹ Outagamie co. Wis.	"	977.539	Overwork		
Outbildings	architecture	728.9	hygiene	613.61	
Outcast races		397	mental mental hygiene	131	
Outcrop	geology	551.85	Ovid	Latin poetry	871.2
Outdoor			Ovogenesis	embryology	611.01316
cookery		641.578	Ovulation	physiology	612.62
garments dom. econ.		646.45	Ovum		
relief charity		361	embryology	611.01315	
pauperism		339	capsule of anatomy	611.6512	
servis dom. econ.		647.3	pathology of pregnancy	618.32	
sports		796	physiology	612.622	
Outer house	garments	646.43	removal obstetric oper.	618.88	
Outfall sewerage system		628.217	¹ Owen co. Ind.	history	977.243
sewers		628.27	¹ sound, Ont.	"	971.318
Outfit, ship		623.86	Owls	pigeons	636.59622
Outlawry	criminal law	343	Owners		
² Outlines, compends, <i>see</i> subj.			absentee and alien	333.4	
Outlining	drawing	741	liability of bilding	692.9	
Outlooks	landsc. garden'g	717	Ownership		
Outposts	military science	355.41	land pol. econ.	333	
Outward flow	turbins	621.243	marks lib. "	025.25	
Outworks	fortifications	623.117	municipal	352.5	
Ouvroirs			zootchny	636.0812	
wages economics		331.53	Oxalate of cerium	therap.	615.735
Ovarian			Oxalates	mineralogy	549.79
artery anat.		611.1369	Oxenstjerna, J.G.	Swed. lit.	839.7154
castration, physiol. effects		612.6211	¹ Oxford, England	history	942.57
veins anatomy		611.1467	travels	914.257	
Ovaries	anatomy	611.65	¹ co. Me. history	974.17	
gynecology		618.11	travels	917.417	
physiology		612.621	¹ Ont. history	971.346	

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Oxford movement	283	Pacchioni's glands	anat. 611.8193
sheep	636.3234	Pacer, American	636.128
university	378.42	Pachyderms	zoology 599.6
Oxids	mineralogy 549.5	Pacific	
theoretic chem.	541.4	coast	U. S. civ. war 973.7389
Oxydants	physiol. chem. 612.01511	dewberry	634.7173
Oxygen		¹ islands, Polynesia	hist. 996
chemistry	546.21	travel	919.6
compounds	mineralogy 549.5	ocean, discov.	U.S.hist. 973.16
group	inorganic chem. 546.2	phys. geografy	551.465
in blood	physiol. 612.1272	¹ slope, U. S.	history 979
mesology	612.014464	¹ states	" 979
muscular consump. of	612.74422	war of	Chile history 983
Oxyhemoglobin	physiol. 612.11111	Pacifists	Great war 940.3162
Oxyntic glands, stomach	611.33	Pack horse	636.15
Oxytocics	therapeutics 615.766	mules	636.183
Oyster plant	635.1634	Packers	agriculture 631.3644
Oysters		library employees	023.795
cookery	dom. econ. 641.6	Packing	
fisheries	639.4	appliances for	agric. 631.364
food	dom. econ. 641.3	butter business	637.2351
fossils	564.1	cheese	" 637.3351
fresh	pub. helth 614.317	farm expenses	631.177
preservation	chem. tech. 664.9	of crops	631.564
preservd	pub. helth 614.319	voltaic cells	621.3524
zoology	594.1	Packs	farm transport 631.3732
¹ Ozark co. Mo.	history 977.8835	Paddlewheels	shipbilding 623.87
¹ Ozaukee co. Wis.	history 977.592	Paddock lectures	apologet. 239.05
Ozocerite	economic geol. 553.27	Padins	fruit culture 634.24
Ozone	chemistry 546.21	Padouse fowls	636.552
hygiene	613.16	¹ Padua, Italy	history 945.3
		travel	914.53
		Paduan fowls	636.552
		sheep	636.35
		Pædiatrics	medicin 618.9
		Pædogogenesis	zoology 591.163
		Pagan architecture	722
		Paganism	290
		¹ Page co. Ia.	history 977.778
		Page size	newspapers 070.321
		Pageants	
		dramatic	customs 394.2
		scenario writ'g	808.2
		theater	792
		processional	amusem'ts 791
		customs	394.5
		Pages	
		legislativ bodies	328.3625
		library staff	023.78
		numbering of	printing 655.27
		Paging machines	" 655.36
		Paidology	136.7
		Pail system	sanitation 628.42
		Pailleron, E'	Fr. drama 842.87

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Pain sense	physiology	612.884	Pallium	anatomy	611.8131
Painless extinction				sacred ornam.	247.6
of animal life		614.971	Palm, J. H. van der		839.3451
Paint, prehistoric		571.72	Palm muscles	anatomy	611.7377
Painted decoration	arch.	729.4	sugar plants		633.65
Painters biography		927.5	family fruit culture		634.6
colic		615.928	istle		633.5772
Painting			Palmaceous fruits		634.6
fine art		750	Palmae	botany	584.5
house, sign, etc.		698.1	Palmaris brevis	anatomy	611.73772
porcelain		738	longus	"	611.73752
Paintings			Palmieri, M.	Ital. essays	854.22
collections of		708	Palmistry	magic	133.6
engravings from		750	Palmists	biography	920.9
Paints	chem. technol.	667.6	Palms	botany	584.5
painting		751	horticulture		716.1
Pairing	legislative procedure	328.375	Palmyra	ancient history	939.43
Palaces	architecture	728.3	Palo Alto, battle	Mex. war.	973.6234
of rulers	"	725.17	¹ co. la.	history	977.7155
peace	"	725.12	Palpebrae	anatomy	611.847
Palæ- see Pale-			Palpebral apparatus	sight	612.847
Palate			Palsy, see	Paralysis	
anatomy		611.315	Paludan-Müller, F.	Dan. poet.	839.8167
bone	anatomy	611.7162	Pamflets		
muscles	"	611.73276	cases for lib. econ.		025.8
soft, in speech	physiol.	612.7892	miscellaneous collections		040
Palatinate			preservation of		025.4
¹ Upper, Germany	hist.	943.34	special library material		025.172
war of	U. S. history	973.25	on special topics	see subject	
Pale blueberry		634.736	Pamirs		958.6
Paleobotany		561	Pamphlets, see	Pamflets	
Paleography			Pamphylia	ancient hist.	939.29
² English language		421.7	Pampiniform plexus		611.1466
inscriptions		417	Panaetius	Greek philos.	188.4
Paleolithic age	prehist. arch.	571.1	Panama		
Paleontologic	anatomy	611.016	congress	U. S. history	973.55
Paleontologists	biography	925.6	hat fiber		633.584
Paleontology		560	¹ history		986
Paleozoic			Pananti, Filippo	Ital. satire	857.67
period	geology	551.72	Pancreas	anatomy	611.37
¹ Palermo	history	945.8	diseases of		616.37
travels		914.58	physiology		612.34
Palestine	ancient history	933	Pancreatic		
¹ modern	"	956.9	artery	anatomy	611.13642
pre-Judaic hist.		939.45	duct	"	611.373
travels		915.69	juice	physiology	612.34
Palestrina	sacred music	783.4	secretions	animals	591.143
Palfrey horse		636.13	Pancreatico-duodenal artery		
Pali language		491.3	inferior	anatomy	611.13651
Palimpsests	rare mss.	091	superior	"	611.13641
Palingenesis	metaphys.	129.4	Pancreatin	aids to digest.	615.7342
Palisades	fortifications	623.117	Pandaneæ	botany	584.61
Palladium	inorgan. chem.	546.98	Pandects	Roman law	349.375
Palladius	Danish misc.	839.8824	Panel construction		
			carpentry		694.5

- Panels**
 carved arch. decoration 729.56
 central elec. station 621.3172
 local electric lighting 621.3283
 painted arch. decorat. 729.46
- Panhandle**
¹ Eastern W. Va. history 975.49
 travel 917.549
¹ Northern history 975.411
- Panic**
 financial 1837 U.S.hist. 973.57
 1873 " " 973.82
 grass cereals 633.172
 Paniceae forage crops 633.283
- Panics**
 commercial money 332
 production 338
 trade 381
- ⁴Panjabi language** 491.42
- Pannonia** ancient hist. 939.86
- Panopticon** prison syst. 365
- Panoramas** amusements 791
 painting 750
- Pantheism** nat. theology 212
 philosophy 147
- Pantheon** architecture 722.7
- Panthers** zoology 599.7
- Pantographs** elec. traction 621.33472
- Pantomimes** drama 792
 music 782.9
- Pantries** dom. economy 643.47
- Panzacchi, E.** Ital. essays 854.88
- Paoli** Amer. revolution 973.3336
- Papacy** eccles. polity 262.13
- Papal bulls** eccles. polity 262
 conclaves " " 262.13
 infallibility " " 262.13
¹ states, Italy hist. 945.6
 supremacy, Ital. " 945.03
- Papaver** 633.75
- Papaveraceæ** botany 583.122
- Papaw, melon** 634.651
 northern 634.418
- Paper**
 covers library books 025.7
 domestic economy 646.182
 engineering materials 620.197
 hanging trade 698.6
 in books publishing 655.53
 manufacture 676
 materials fibers 633.59
 mills architecture 725.46
 money 332.5
 roofing bilding 695.7
- ²Papers on spec. topics, see subjects
- Paphlagonia** ancient hist. 939.31
 antiquities 913.3931
- Paprika** 633.842
- ¹Papua** history 995
- Papuan swine** 636.489
- Papular affections of skin** 616.51
- Papyrus** manuscripts 091
- ⁶Parables** English liter. 828
 New Testament 226.8
- Parabola** analytic geom. 516.25
 geometry 513.25
- Paraboloid** anal. geom. 516.45
- Parabosco, G.** Ital. fiction 853.45
- Paraceles** anatomy 611.8138
- Paracelsus** medieval philos. 189.5
- Paracentral lobule** anat. 611.81316
- Parachutes**
 aeronautics 629.167
- Paradidymis** anat. 611.633
- Paradise**
 garden of Eden
 Bible geog. 220.91
 Genesis 222.11
 primitiv home of race 572.4
 theology 236.6
- Paradisi, A.** Ital. poetry 851.61
- Paraffin** chem. technol. 665.4
- Paraffining** bldg material 691.2
- Paraffins** organic chem. 547.21
- ¹Paraguay** history 989
 travel 918.9
 tea agric. 633.77
- Parallax, lunar astronomy** 523.31
 practical " 522.91
 solar " 523.92
 stellar " 523.81
 terrestrial " 525.16
- Parallel**
 courses education 375.0013
 forces physics 531.24
 lines geometry 513.13
 perspectiv descr. geom. 515.61
 planes geometry 513.33
- Parallelism** Scripture 220.88
- Parallels** Gospels 226.1
 siege works 623.23
- Paralysis**
 diseases 616.842
 facial physiology 612.81978
 diseases 616.83
 infantil public helth 614.54
 surgery 617.48

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Parasites					
animal diseases	616.961				
of animals animal hyg.	614.92				
pathology of animals	591.2				
plants	581.23				
vegetable diseases	616.969				
Parasitic					
animals	591.69				
diseases dermatology	616.57				
pathology	616.96				
public helth	614.55				
plants botany	581.69				
pests	632.5				
Parathyroids anatomy	611.447				
physiology	612.442				
Parcel post postoffis	383				
Parchment manuf.	676				
Pardoning					
power law	343.2				
Parenchyma anatomy	611.665				
Parenchymatous absorption					
physiology	612.388				
Parent and child law	347.6				
Parents ethics	173.5				
and teachers	371.103				
choice of zootechny	636.08244				
Parian chronicle					
Arundel marbles	481.7				
Greek history	938				
Parietal					
bone anatomy	611.7154				
lobe of brain "	611.81312				
Parietales botany	583.12				
Parieto-occipital fissure					
anatomy	611.81315				
Paring plow	631.3125				
Parini, Giuseppe Ital. satire	857.64				
¹ Paris, France history	944.36				
travel	914.436				
congress of, 1856	341.1				
expositions	606				
peace of U. S. history	973.26				
treaty, U. S. war w. Spain	973.89				
Parish					
care of sick, fallen, etc.	258				
ecclesiastic polity	262.2				
government England	352.0423				
law	352				
libraries	027.8				
missions theology	269				
work, societies for	256				
Park					
bildings architect.	725.76				
hack horse	636.13				
¹ Parke co. Ind. history	977.246				
¹ Parkersburg, W. Va. hist.	975.423				
Parkings					
road engineering	625.77				
Parks					
flying aeronautics	629.144				
hygiene of ground	614.783				
recreation	613.75				
public landscape gard.	711				
local governm't	352.7				
Parliament					
constitutional law	342.42				
England	328.42				
houses of architecture	725.11				
Parliamentary					
blue books	328.424				
control administration	351.96				
debates	328.422				
inquiries legis. proced.	328 372				
law	328 1				
practis legislat. bodies	328.1				
reform England	328.42				
writ legislativ bod.	328.351				
Parlor domestic econ.	645.62				
magic	793				
maids dom. econ.	647.25				
pastimes	793				
Parmenides Gk philos.	182.3				
Parmesan cheese	637.3545				
Parnell, T: Eng. poetry	821.52				
Parny, E. D. D. Fr. poetry	841.57				
Parochial					
libraries	027 8				
schools and libraries	257				
education	377.5				
⁶ Parodies English liter.	827				
Paroles U. S. civil war	973.773				
Parolfactoria anatomy	611 8133				
Paroophoron "	611.6677				
Parotid glands "	611.3165				
Parovarium "	611.6676				
Parquetry floors architect.	721 66				
Parricide criminal law	343				
Parrots domestic birds	636.686				
zoology	598.7				
¹ Parry Sound dist. Ont. hist.	971.315				
Parsee dualism heresies	273.2				
Parseeism	295				
Parseval Grandmaison, F.A.	841.63				
Parsifal legends	398.2				
opera	782.2				
⁸ Parsing Eng. grammar	425.2				
Parsis biography	922.95				
religion	295				

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Parsley	635.78	Passions	philosofy	157
Parsnip	field crops 633.44		physiology	612.82133
	garden " 635.14	Pastel drawing		741
Part songs	vocal music 784.8	Pasteurism	pub. helth	614.477
Parthenogenesis		Pasteurization	buttermaking	637.2336
	botany 581.162		infant diet	613.22
	physiology 612.6132	Pasteurizer	dairy	637.1323
	zoology 591.162	Pasteurizing	"	637.1333
Parthenon	architecture 722.8	Paston letters	Eng. hist.	942.04
Parthia	ancient history 935.6		liter.	826.2
Partial		Pastoral		
	suffrage electoral systems 324.212	letters		252.1
¹ Particles	English etymol. 422.9	poetry	Eng. literature	821.06
¹	syntax 425.9	theology		250
Parties, political	329	visitations		253
	social amusem't 793	Pastors	ecclesiastic polity	262.1
	dom. econ. 642.41	Pastry room	dom. econ.	643.36
Partington, Mrs	Am.hum. 817.34	Pasture		
Partisan warfare	mil. sci. 355	feeding	zootechny	636.08422
Partnership	law 347.7	land	pol. econ.	333.7
Partridge-shooting	799	Patchouli	perfume plants	633.812
Parts	electric mach. 621.316	¹ Patagonia	history	982
Parturition	obstetrics 618.4		travel	918.2
	physiology 612.63	Patella	anatomy of bones	611.71845
Party			knee	611.983
	ballots suffrage 324.253	Patent		
	caucuses legislativ proced. 328.3745	blocks	printing	655.22
	conventions polit. sci. 329	indexes	literary meth.	029.5
	feeling in religion, use of 280	law	law	347.7
	lines telephony 621.3852		patents	608
	organization suffrage 324.233	medicins	adulterations	614.353
Paruta, Paolo	Ital. essays 854.47		state control	614.27
Parzival	legends 398.2		therapeutics	615.88
¹ Pas de Calais, France	hist. 944.27	room	lib. bildings	022.64
Passage, final	legislation 328.375	types	printing	655.23
¹ Passaic co. N. J.	history 974.923	Patents	building	690.8
Passavanti, J.	Ital. essays 854.12		engineering	620.08
Passenger			useful arts	608
	boats shipbilding 623.8234	Paternalism		
	cars railway engin'g 625.23	in library		021.201
	elevators lib. bldgs 022.9571	¹ Paterson, N. J.	history	974.924
	mech. eng. 621.87771	Pathetic nerv	anatomy	611.8314
	engins steam eng. 621.13265		physiol.	612.8194
	vessels shipbilding 623.824		nuclei anatomy	611.8155
Passeroni, G. C.	Ital. satire 857.62	Pathogenesis		616.01
Passiflorales	botany 583.45	Pathologic anatomy	diag.	616.078
Passifloreæ	" 583.456	Pathology		
Passion		botany		581.2
	music 783.3	medicin		616
	plays English literature 822.1	mental		132
	general history 809.2	of labor		618.5
	Oberammergau 792	pregnancy		618.3
	religion 844	puerperal state		618.7
Passionists	monast. orders 271.6	zoology		591.2

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Patience ethics	179.9	Peaches fruit culture	634.25
Patola garden crops	635.627	Peacock, T: L. Eng. fic.	823.76
Patriarchal institutions	321.1	Peacock and	
Patriarchs of Bible lives	220.92	Epervier U. S. war 1812	973.5255
Patricide law	343	Hornet " "	973.5253
Patriotic societies, American	369.1	Peacock poultry	636.595
Patriotism ethics	172.1	Peanuts nuciculture	634.58
pol. sci.	320.158	Pearl fishery	639.4
Patriots		Pearls gems	553.8
biografy	923	Pears fruit culture	634.13
of America, order	369.125	Peas garden crops	635.66
Patristic		harvesting agric.	631.5563
philosofers biografy	921.9	Peasantry polit. econ.	331.8
philosofy	189.2	social classes	323.33
theology	230.1	Peasants war Ger. hist.	943.031
Patron		Peat	
saints labor holidays	331.817	economic geology	553.21
Patronage ethics	177.5	foundations architecture	721.11
Pattern shop mfg plant	621.72	fuel chem. tech.	662.6
Pattypan squash	635.621	domestic econ.	644.22
Paul 1 Russian history	947.07	Pecan	634.521
Paulding, J. K. Am. humor	817.23	Pecquet, cistern of anat.	611.423
¹ Paulding co. O. history	977.117	Pectineus muscle	611.73823
Paulus Hook Am. revol.	973.3355	Pectoral glands	611.4675
Pauper asylums	362.5	region	611.942
architec.	725.55	Pectoralis major	611.7351
labor	331.6	minor	611.7352
Pauperism	339	Pedagogics	371
and illiteracy, pub. educ.	379.22	Pedalinæ botany	583.85
suffrage disqualifications	324.173	Pedata zoology	593.97
Pavements road eng.	625.8	Pedersen, K. Dan. miscel.	839.8821
sanitation	628.47	Pedestals arch. design	729.32
Pavilly fowls	636.546	Pedestrianism	796
Pavlar sheep	636.363	ethics	175.7
Pavloff fowls	636.571	Pediatrics medicin	618.9
Pawls mech. engin'g	621.837	Pediculosis	616.968
Pawnbroking, loan instit.	332.34	Pedigrees genealogy	929.2
¹ Pawtucket, R. I. history	974.53	Pediments arch. constr.	721.86
Pay, extra pol. econ.	331.225	design	729.37
Payment		walls	721.28
in kind wages	331.235	Pedobaptism	265.1
methods "	331.235	Pedogenesis zoology	591.163
of legislativ employees	328.3626	Pedunculated bodies anat.	611.633
Payrolls library finance	525.115	¹ Peebles, Scotland hist.	941.46
Pea pickers	631.3583	¹ Peel co. Ont. "	971.353
Pea Ridge, Ark. civil war	973.7323	Peerage heraldry	929.7
Peabody fund education	373.75	Pegs, husking	631.3613
Peace		⁴ Pehlevi language	491.53
and war ethics	172.4	¹ Peking, China history	951.1
conference U.S.civ.war	973.712	travel	915.11
efforts for " " "	973.712	Peking duck	636.59785
Great war	940.312	Pelagianism heresies	273.5
jubilee Boston	780.973	Pelagian architecture	722.6
society internat. ethics	172.4	¹ Pelew islands history	996.6

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- Pelican, ship U.S.war 1812 973.5253
Pellico, Silvio Ital. drama 852.72
Peloponnesian war Gk hist. 938.05
Peloponnesus ancient " 938.6
¹ modern " 949.5
Pels, Andries Dutch dram. 839.3242
Pelton wheel water motors 621.232
Pelvic articulations anat. 611.7281
bone " 611.7181
lymphatics " 611.4216
region " 611.96
Pelvimetry 618.52
Pelvis anatomy 611.96
diseases of women 618.13
surgery 617.56
Pelycosauria paleontol. 568.1
¹Pembroke, Wales history 942.99
¹Pemiscot co. Mo. history 977.8996
Penæaceæ botany 583.934
Penal colonies crim. law 343.2
law 343
Penalties crim. law 343.2
school 371.54
Penance theology 265.6
Pencils writing materials 652
Pendleton
civil servis act U.S. hist. 973.84
¹co. W. Va. " 975.491
Pendulum
apparatus geodesy 526.72
Foucault's " 525.36
operations " 526.73
physics 531.53
Penguin, ship U.S.war 1812 973.5257
Peninsular
campain U.S.civil war 973.7327
¹Lower Mich. hist. 977.4
¹Upper " " 977.49
war Spanish " 946.06
Penis anatomy 611.64
diseases of 616.66
Penistone sheep 636.3255
Penitential music 783.27
Penitentiaries 365
architecture 725.61
Penmanship 652
Pen-names bibliography 014
¹Pennsylvania, U. S. hist. 974.8
For military history, see sub-
divisions of Special campaigns
and Military history under
973.3, 973.7 and 973.89
travel 917.48
Pennsylvania, colonial soc.of 369.127
Pennyroyal agriculture 633.88
- Penobscot
¹co. Me. history 974.13
expedition Am. revol. 973.3352
Penology criminal law 343.2
Pens writing 652
zootechny 636.0831
Pension
act, Mex. war U. S. hist. 973.85
bill, dependant " 973.85
Pensions
army and navy 351.5
civil servis 351.5
library 023.8
mothers 362.6
old age pol. econ. 331.25
teachers 371.17
Penstocks sewer appurten. 628.257
Pentateuch Bible 222.1
Pentose nutrition 612.39619
Peonage
political economy 331.56
slavery 326.2
People's
palace self-education 374.9
party U. S. politics 329.84
¹Peoria city, Ill. history 977.352
¹co. Ill. " 977.352
Peperino economic geol. 553.58
¹Pepin co. Wis. history 977.547
Pepper
adulterations 614.314
agriculture 633.841
Pepsin
aids to digestion 615.7342
destruction in stomach 612.3232
formation in stomach 612.3232
in gastric juice physiol. 612.3215
in urin " 612.32321
materia medica 615.35
Peptic glands anat. 611.33
Peptones
changes in intestin 612.33274
gastric digestion 612.32245
in urin physiol. 612.461264
nutrition 612.39817
stomach absorption of 612.32274
Peptonuria physiology 612.46668
Pequot indian war U.S.hist. 973.22
Percent tube dairy 637.1276
Perception physiol. psych. 612.8218
psychology 152
Perch fishes 597.5
Percheron draft horse 636.1541
sheep 636.3445

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Percussion		
caps	chem. tech.	662.4
	mil. engineering	623.45421
diagnosis		616.074
instruments	music	789
Perez, A.	Spanish letters	866.32
Perfection	ethics	171.3
Perfectionists	sects	289.9
Perforating		
stamp	lib. econ.	025.252
telegrafs	communicat'n	654.3
	elec. engin'g	621.3822
tools	mech "	621.95
Perfumery	chemic tech.	668.5
	toilet	646.7
	plants	633.81
Pericardial artery	anat.	611.1355
Pericardium	anatomy	611.11
Perichondrium	histology	611.01834
	physiology	612.754
Peridotite	plutonic rocks	552.38
Perigee	moon	523.33
Perigord swine		636.445
Perineal region	anatomy	611.96
Perineum	"	611.353
	female obstetrics	618.44
	surgery	618.55
Perineurium	histology	611.018835
Peringskjöld, J.	Swed. misc.	839.7833
Period of		
decline	physiology	612.67
full development	"	612.66
revolution	earth	525.31
Periodic law	theoret. chem	541.9
Periodical clubs	self educ.	374.22
Periodicals		
general		050
length of loan	lib. econ.	024.62
² on special topics	see subject	
publsh't by library		025.126
Periosteum		
dental, dis. of	dentistry	617.63
diseases		616.71
histology		611.01844
physiology		612.754
Peripatetic filosofers		185
Peritoneum		
admin. of medicin by		615.66
anatomy		611.381
diseases of		616.38
physiology		612.339
Peritonitis	diseases	616.38
	obstetrics	618.73
Periuterin diseases of women		618.13
Periwinkle fishery		639.4
Perjury	law	343
Perkinism	cures	615.856
Permeability of soil		631.432
Permian formation	geology	551.75
Permutation	arithmetic	511.5
Pernin-Duployé	shorthand	653.38
Peronaeus		
brevis	anatomy	611.73852
longus	"	611.73851
tertius	"	611.73846
Peroneal artery	"	611.13792
Peronosporæ	botany	589.25
Perpetual motion		531.8
	strawberry	634.753
Perrault, C.	Fr. fiction	843.47
Perrot burners	prac. chem.	542.44
¹ Perry co. Ill.	history	977.393
¹	Ind.	977.229
¹	Mo.	977.8694
¹	O.	977.159
¹	Pa.	974.845
Perry's exped. to Japan		
	U. S. hist.	973.66
Persecutions	theology	272
Perseverance of the saints		234.9
Persia	ancient history	935.5
	antiquities	913.355
¹	modern history	955
	travels	915.5
Persian		
architecture		723.3
	ancient	722.5
horse		636.11
⁴ language		491.55
⁴	old	491.51
filosofers		181.5
sheep		636.385
walnut		634.511
wars	Greek history	938.03
Persimmons	fruit culture	634.452
Persius Flaccus, Aulus		
	Latin satire	877.4
Person of Christ	doc. theol.	232
Personal		
appearance	costumes	391
	ethics	177.4
	toilet	646.7
equation mach.	astron.	522.54
	prac. "	522.97
hygiene	medicin	613
liberty	English law	347.1
names	etymology	929.4

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- Personal
narrativs
autobiografy 920
Great war 1914-19 940.48
U. S. hist. civil war 973.78
Mex. " 973.628
revolution 973.38
Span. war 973.898
war of 1812 973.528
¹ pronouns Eng. etymol. 422.7
property English law 347.3
religion 248
rights 347.1
taxation polit. econ. 336.23
use of lib. time by staff 023.92
Personales botany 583.8
Personality
dogmatics 233.6
for library servis 023.52
teaching 371.11
metaphysics 126
psychology 137
Personation electoral frauds 324.272
Personnel
domestic servis 647.2
library " 023
Persons, disinfection
contagious diseases 614.48
Perspectiv
descriptiv geometry 515.6
drawing 742
effect architec. design 729.15
linear 515.61
projections geodesy 526.81
Perspiration, *see* Swet
Persuasion logic 168
¹Perth, Scotland history 941.32
¹co. Ont. " 971.323
Perticari, G. Ital. essays 854.68
Perturbations
earth 525.34
of hevenly bodies 521.4
Peru
administration 354.85
antiquities 913.85
architecture 720.985
ancient 722.9
botany 581.985
finance 336.85
geology 558.5
¹history 985
maps 912.85
schools 379.85
statistics 318.5
Peru
travel 918.5
treaties 341.285
Pesantry polit. econ. 331.8
social classes 323.33
Pesants war Ger. history 943.031
⁴Peshito language 492.3
Pessimism filosofy 149.6
Pestalozzian system educ. 371.44
Pestifuges dom. econ. 648.7
museums 579.82
Pestilences public helth 614.49
Pestles chem. apparatus 542.22
Pests
agriculture 632
household dom. econ. 648.7
in museums 579.81
Petards mil. engineering 623.45434
Peter, St epistle 1 227.92
2 227.93
the Great Rus. hist. 947.05
¹Peterborough city, Ont. hist. 971.368
¹co. " " 971.367
Peters, S: A. Amer. hum. 817.15
Petersburg, Va.
battle U. S. civ. war 973.7365
lines, assault " 973.7373
Petersen, N. M. Dan. lit. 839.8461
Petition
administration 351.97
electoral lists 324.243
legislativ procedure 328.372
right of Eng. const. hist. 342.429
Petit's canal anat. 611.8447
Petralogy lithology 552
Petrarca, F. Ital. poetry 851.18
Petri, L. Swed. poetry 839.7122
Olaus " " 839.7121
Petrifaction paleontology 560
Petroglyphs archeology 571.73
¹Petrograd, Russia hist. 947.4
trav. 914.74
Petrografy 552
Petroleum
chemic technology 665.5
domestic fuel 644.23
economic geology 553.28
heating prac. chem. 542.43
locomotiv fuels 621.1331
mineralogy 549.8
products dom. fuels 644.23
Petrology geology 552
Petronius Arbitr Lat. sat. 877.5

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Petrosal					
ganglion anatomy	611.8919				
nerv, great superficial	611.8315				
¹ Pettis co. Mo. history	977.848				
Peutingerian tables					
ancient geog.	913				
Pew rents cleric support	254				
Pewter	739				
Peyer's patches anatomy	611.3413				
Pfaffe Amis, der Ger. sat.	837.21				
Phaedrus Latin poetry	871.6				
Phagedæna diseases	616.941				
Phagocytosis physiology	612.1123				
Phalangeal joints anat.	611.7279				
Phalanges of foot	611.7189				
hand "	611.7179				
Phalaridae forage crops	633.284				
Phalaris Greek letters	886.3				
Phallicism	291				
Phanariots description	914.961				
Phanerogamia botany	582				
Phansigars	299.11				
Phantoms occultism	133.1				
Pharmaceutic chemistry	615				
Pharmacists' registration,					
state control of	614.24				
Pharmacognosy	615.1				
Pharmacology	615.1				
Pharmacopoeial drugs					
adulterations	614.351				
Pharmacopoeias mat. med.	615.11				
Pharmacy					
economic botany	581.63				
practical materia med.	615.4				
Pharyngeal					
artery, ascending anat.	611.13324				
tonsil "	611.324				
Pharyngobranchii fishes	597.1				
Pharynx					
anatomy	611.321				
diseases of	616.32				
muscles anatomy	611.73278				
physiology	612.2154				
Phase					
changing transformers					
elec. eng.	621.31434				
converters					
asynchronous elec. eng.	621.31368				
synchronous "	621.31354				
meters "	621.37491				
Phaseolae agriculture	633.379				
Phases of moon	523.32				
Pheasant poultry	636.594				
shooting	799				
Phedo Gk filosofers	183.7				
¹ Phelps co. Mo. history	977.8594				
Phenanthrene org. chem.	547.28				
Phenicia ancient history	939.44				
¹ modern "	956.9				
travel	915.69				
Phenician architecture	722.3				
⁴ language	492.6				
filosofers	181.8				
Phenix folklore	398.4				
fowls	636.5857				
Phenols organic chem.	547.3				
Phenomena, <i>see</i> Fenomena					
Phi Beta Kappa society	371.85				
Philadelphia, Pa.					
capture Amer. revol.	973.3337				
¹ city history	974.811				
travels	917.4811				
¹ co. history	974.811				
evacuation Am. revol.	973.3343				
exposition 1876	606				
U. S. hist.	973.82				
Philanthropists biography	923.6				
Philanthropy ethics	177.7				
Philately postage stamps	383				
Philemon epistles	227.86				
Philharmonics societies	780.6				
Philip German history	943.025				
¹ French "	944.022				
² " "	944.023				
³ " "	944.024				
⁴ " "	944.024				
⁵ " "	944.024				
⁶ " "	944.025				
Philip ² Spanish "	946.04				
³ " "	946.051				
⁴ " "	946.052				
⁵ " "	946.055				
Philippians epistles	227.6				
¹ Philippine ilands history	991.4				
travel	919.14				
Philip's, King, war					
New England history	974				
United States "	973.24				
Philistines ancient history	939.45				
Phillips, Wendell Am. orat.	815.34				
Phillips code telegrafy	621.382154				
Philo Greek filosofers	186.4				
Philologists biography	924				
Philology	400				
classic	470-489				

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Philoprogenitiveness phrenol. 139
 zoology 591.56
Philosofers biography 921
 Philosopher's stone alchemy 540.1
Philosofic
 apparatus 530.7
 classification of knowledge 112
 instrument making 681
 magazines 105
 systems 140
Philosofy 100
 biography of 921
 natural 530
² of special topics see subject
 Philydraceæ botany 584.35
 Phimosis anatomy 611.642
 surgery 617.46
 Phlebitis diseases 616.14
 puerperal dis. 618.77
 Phlebogram physiol. 612.1342
 Phlegmasia dolens 618.77
 Phlogiston chemistry 540.1
 Phlorizin
 nutrition 612.396175
 toxic glycosuria 612.4644
 Phocis, Greece anc. hist. 938.3
 Phoebe, ship U.S. war 1812 973.5255
 Phoenicia ancient history 939.44
¹ modern " 956.9
 Phoenician, see Phenician
 Phoenix folklore 398.4
 fowls 636.5857
Phonetic
 shorthand 653
² spelling Eng. language 421.4
Phonetics elem. educ. 372.4
 filology 414
Phonics elem. educ. 372.4
 filology 414
 Phonograf acoustics 534.86
Phonografy 653
 Phonolite lithology 552.26
 Phonology 414
Phosphates
 as fertilizers agriculture 631.85
 economic geology 553.64
 in urin physiology 612.46162
 mineralogy 549.72
 Phosphorescence 535.3
 of cells and org. physiol. 612.014445
Phosphorescent
 animals comp. physiol. 612.772
 zoology 591.59
 Phosphoric acid agriculture 631.85

Phosphorus
 compounds air pollu. 614.728
 in food physiology 512.39244
 urin " 612.46162
 inorganic chemistry 546.18
 materia medica 615.218
 nonmetallic poisons 615.924
Photochemistry 541.35
Photo-electrotyping 777
Photo-engraving 777
Photograf cases, library 022.486
Photografic
 chemistry 771
 method transit of Venus 523.95
 optics 535.85
Photografis
 collections of 779
 library administration 025.177
 of animals in motion
 art anatomy 743
 zoology 591.47
 comets 523.69
 moon 523.39
 planets 523.49
 sun 523.79
Photografy]
 art 770
 astronomy 522.63
 military 623.72
 optics 535.85
Photogrammetry photog. 778
 survey'g 526.91
 Photogravure 777
 Photolithografy 775
 Photometric observa. stars 523.82
 Photometrics optics 535.2
 Photometry astronomy 522.62
 visual physiol. 612.84361
 Photoplays, see Fotoplays
 Phototherapy therapeu. 615.831
 Phototropism mesology 612.014447
 Photo-zincografy 776
³Phrase books
 English language 428.2
Phrenic
 arteries, inferior anat. 611.1361
 nerv " 611.83336
 physiology 612.819941
 sympathetic nervs anat. 611.8393
 veins, inferior " 611.1465
 Phrenologists biografy 920.9
 Phrenology 139
 Phrygia ancient history 939.26

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Phtthisis	lung diseases	616.246	Physiology		
	public helth	614.542	of labor	obstetrics	618.4
Phyllite	lithology	552.44		pregnancy	618.21
Phylloerytrin	blood	612.1119		puerperal state	618.6
Phyllopoda	zoology	595.32		vegetable	581.1
Phylloxera	agriculture	632.75		vivisection	ethics 179.4
Physalis		635.647			method 612.077
Physical					pub. helth 614.22
	anthropology	573	Physostomi	fishes	597.5
	astronomy	523	Phytografy	descr. botany	580
	capacity of women	educ. 376.1	Phytolaccaceæ	botany	583.915
	chemistry	541.3	Pia mater, cerebral	anat.	611.8191
	conditions	mental char. 136.6		spinal	" 611.8291
	culture rooms	Y.M.C.A. 267.327	Piano and organ		786
	department	" 267.356		music	786.4
	director	" 267.343	Pianola		789.9
	education	hygiene 613.7	¹ Piatt co. Ill.	history	977.367
		school hyg. 371.73	Picard, L. B.	Fr. drama	842.67
	geografy	551.4	¹ Picardy, France	history	944.26
	geology	551	Picaresque novel		863.3
	laboratories	architec. 727.4	Piccolo	musical instrum.	788.5
	properties of blood	612.11	Piccolomini, A.	Ital. essays	854.42
		crystals 548.8	Picenum	anc. history	937.4
	sciences	500	Pick	agriculture	631.3116
	surroundings	ment. char. 136.2	¹ Pickaway co. O.	history	977.1815
	theory of music	781.1	Pickax	agriculture	631.3116
	training	education 371.73	Pickers	"	631.358
	units	physics 530.8		corn "	631.3553
Physicians			Picketing	labor strikes	331.891
	ethics	174.2	Picking	agriculture	631.556
	lives of	926.1	Picnic lunches	dom. econ.	642.3
	registration	state control 614.24	Pictorial art	fine arts	700
Physicochemic			¹ Pictou co. N. S.	history	971.613
	forces	mesology 612.014462	Picts	ancient history	936
Physicochemistry		541.3		Scottish "	941.01
Physics		530	Picture		
	agricultural	630.23	fittings	lib. econ.	022.93
	molecular	539	frames	decoration	749
Physics, soil		631.432	galleries	fine arts	708
Physiocrats	polit. econ.	330.152		lib. bldgs	022.656
Physiognomy		138		econ.	021.48
Physiografy		551.4	gallery	dom. econ.	645.69
Physiologic			Pictures		
	acoustics	534.7	domestic economy		645.5
	botany	581	Great war 1914-19		940.497
	chemistry	612.015	library treatment		025.177
		zoology 591.19	school decoration		371.636
	optics	535.7	U. S. history	civil war	973.797
	zoology	591		Mex. war	973.6297
Physiology		612		revolution	973.397
	animal	591.1		war 1812	973.5297
	comparativ	612.019	Picturesque		
	mental	131	beauty	esthetics	701
			views and tours		910

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Piecework
 payment wages 331.231
¹Piedmont, Italy history 945.1
 Pierce, F. presidency of 973.66
¹Pierce co. Wis. history 977.542
 Pierpont, J: Am. poetry 811.26
 Piers
 arch. construction 721.3
 design 729.32
 bridges 624.16
 river and harbor engin'g 627.3
 suspension bridges 624.56
 Pietists heresies 273.7
 Piety, practical 240
 Pigeon plum 634.665
 Pigeons **poultry** 636.596
 zoology 598.6
 Pigeonholes offis equipm't 651
 Pigment
 histology 611.01829
 nerv histology 611.01882
 Pigmentary changes
 dermatology 616.55
 Pigments
 bile composition 612.35713
 origin 612.35733
 chemic technology 667.6
 eye physiology 612.8425
 fine arts 751
 inspection of pub. health 614.37
 physiologic chemistry 612.0154
 skin anatomy 611.7785
 physiology 612.796
 urin " 612.46127
 Pigmies
 folklore 398.4
 human biology 573.8
 teratology 611.012
 Pignut 634.524
 Pigs diseases of 619.4
 domestic animals 636.4
 zoology 599.7
¹Pike co. Ill. history 977.345
¹ Ind. " 977.236
¹ Mo. " 977.836
¹ O. " 977.1847
¹ Pa. " 974.824
 Pilasters
 arch. construction 721.86
 design 729.32
 carvd arch. decorat'n 729.57
 painted " " 729.47
 Pile
 foundations architecture 721.14

Pile
 foundations engineering 624.154
 methods architecture 721.15
 engineering 624.155
 Piledriving
 foundations architecture 721.151
 engin'g 624.1551
 Piles, *see also* Pile
 Piles diseases 616.35
 Pilgrim fathers, Mass. hist. 974.48
 Pilgrimages, religious 248
 Pillow, Ft U. S. civil war 973.7361
 Pillows dom. econ. 645.47
 Pilocarpin physiology 612.31342
 therapeutics 615.743
 Pilot laws 347.7
 Pilots protection of life 614.866
 seamanship 656
 Pinching pruning 631.54221
 Pindar Greek poetry 884.5
 Pindar, Peter Eng. satire 827.65
 Pindemonte, I. Ital. poet 851.63
 Pine strawberry 634.751
 Pineal gland anat. 611.8145
 Pineapple
 botany 584.22
 fibers agriculture 633.576
 fruits " 634.774
 squash " 635.621
 Pines botany 585.2
 forestry 634.9
 Pinnipeds mammals 599.7
 Pins for electric wires 621.319224
 Pioneering tools mil. sci. 355.84
 Pioneers biograpy 923.9
 Pipefish zoology 597.5
 Pipefitting bilding 696.1
 Piperaceæ botany 583.925
 Pipes
 elephant Amer. antiqui. 913.73
 hydraulics 532.54
 on houses sewer ventil. 628.234
 prehistoric archeology 571.26
 sewer 628.22
 steam heating 697.5
 transmission 621.185
 strength of materials 620.11283
 subsurface road engin'g 625.78
 waterworks 628.15
 Pipethreding machines 621.944
 Pipets practical chem. 542.66
 gas " " 542.73
 graduated " " 542.35
 Piping comprest air 621.532

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Piping			Placenta	
hydraulic pressure	621.253		embryology	611.01385
refrigeration	621.566		obstetrics	618.36
shipbuilding	623.87		removal in labor	618.87
steam engineering	621.185		retention in "	618.56
¹ Piqua city, O. history	977.148		¹ Placer co. Cal hist.	979.438
Piracy	"	910.4	mining	622.32
law		343	Placers economic geology	553.13
Pirates biograpy		923.41	Places, names of	929.4
Piriformis muscle anat.	611.73816		Placoids paleontology	567.3
Piron, Alexis Fr. drama	842.55		zoology	597.3
Pirotecnics chem. tec.	662.1		Plade, Peder Danish misc.	839.8824
Pisa, Guido da Ital. fiction	853.13		Plagiarism lit. methods	029.6
¹ Pisa, Italy history	945.5		Plagiostomi fishes	597.3
travel	914.55		Plague diseases	616.923
¹ Piscataquis co. Me. hist.	974.12		Plagues, hist. of pub. helth	614.49
Pisces zoology		597	animal vet. med.	619
Pisciculture business	639.3		Plain song cathedral music	783.25
Pisé walls	721.23		Plains	
Pisidia ancient history	939.27		of the moon astronomy	523.34
Pisiform bones anat.	611.71774		physical geografy	551.45
Pissette wash bottles chem.	542.69		Plaiting fibers	633.5
Pistachio	634.574		Plan	
Pistoia, Cino da Ital. poet.	851.16		architectural design	729.2
Pistols manufacture	683		of house dom. econ.	643.2
mil. engin'g	623.443		kitchen " "	643.31
Piston			library book cases	022.443
blowers mech. eng.	621.61		Planche, J. B. G. Fr. essays	844.73
pumps engineering	621.652		Plane	
steam locomotiv	621.1341		geometry	513.1
Pit dwellings prehist. arch.	571.82		inclined physics	531.85
Pitanga	634.423		loci analytic geom.	516.1
¹ Pitcairns iland history	997		of orbit in space astron.	521.21
travel	919.7		perspectiv	515.61
Pitcher plants botany	583.121		table surveying	526.96
Pitchstone lithology	552.23		trigonometry	514.5
Pitillas, Jorge Span. satire	867.41		Planers, metal	621.912
Pitman, Benn shorthand	653.5		Planes	
Izaac "	653.61		aeronautics	629.181
Pitt, William			analytic geometry	516.32
lord Chatham Eng. orat.	825.61		descriptiv "	515.11
1759-1806 " "	825.66		geometry	513.1
Pittosporeæ botany	583.141		inclined canal eng.	626.5
¹ Pittsburg, Pa. history	974.886		modern geometry	513.51
Landing battle	973.7326		solid "	513.31
Pituitary			Planetarium descr. astron.	523.28
body anatomy	611.8143		Planetary system astron.	523.25
physiology	612.492		Planetoids astronomy	523.44
membrane anatomy	611.21		Planets	
Pius 4 creed	238.2		descriptiv astron.	523.4
Pivot			distributiv laws	523.21
bridges engineering	624.83		maps and observations	524.4
Pizarro discovery of Amer.	973.16		mutual action	521.41
			nonsphericity	521.43

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Planets			
observations of	523.49		
theoretic astronomy	521.5		
Planimetry	surveying	526.97	
Planing mach.	mech. eng.	621.91	
Planisphere	astronomy	522.78	
Plank			
drag		631.3146	
foundations	architecture	721.162	
scraper		631.3131	
Plankers	agriculture	631.3146	
Planking	tillage	631.515	
Plans			
architectural		720	
for bildings		692	
libraries lib. bildings		022.3	
of cities	maps	912	
Plant tools	agriculture	631.34	
Plantagenets	Eng. history	942.03	
	Irish "	941.53	
Plantagineæ	botany	583.899	
Plantain	banana	634.773	
Plantar artery	anat.	611.13795	
	muscle "	611.73855	
	veins "	611.14739	
Plantation	songs	784.7	
Planté			
accumulators	elec. eng.	621.3552	
Faure "	" "	621.3554	
Planters		631.332	
Planting	agriculture	631.53	
Plants			
and animals	differences	577.5	
botany		580	
classification of		580.1	
culture	agriculture	631.5	
geografic	distribution	581.9	
geologic agents		551.97	
injurious	agriculture	632.5	
	botany	581.65	
landscape	gardening	710	
medicinal		615.32	
nature-printing from		655.37	
nativ, society for protect'g		580.6	
nutrition	agriculture	631.811	
ornamental		716.1	
paleontology		561	
school decoration		371.638	
Plasma, blood	physiology	612.12	
Plaster			
bilding material		691.5	
casts	sculpture	730	
ceilings	arch. construc.	721.75	
Plaster			
fertilizers	agriculture	631.821	
of paris	fertilizers	631.821	
	art	731	
	eng. materials	620.15	
Plastering	masonry	693.6	
Plastic surgery		617.95	
Plasticity	engin'g materials	620.1123	
Platanaceæ	botany	583.971	
Plate			
carving		736	
domestic economy		642.7	
girders	bridge engen'g	624.23	
glass	manufacture	666.1	
insurance		368.6	
manufacture		671	
system	icemaking	621.582	
Plateaus	phys. geol.	551.43	
Plated ware	manufacture	671	
Platen	Hallermünde	831.68	
Plates			
book	see Book plates		
strength of materials		620.11282	
Platform			
foundations	architec.	721.16	
	engin'g	624.156	
suffrage		324.239	
Plating			
books	lib. econ.	025.253	
manufactures		671	
Platinum			
filiments	elec. lighting	621.32641	
inorganic chemistry		546.92	
Plato	ancient philosofy	184.1	
	Greek literature	888.4	
	idealism	141	
Platonic	philosofy	184	
Platonists, new		186	
Platt Deutsch	language	439.4	
	literature	839.4	
Platte co. Mo.	history	977.8135	
Platysma myoides	anat.	611.7321	
Plautus	Latin drama	872.3	
Play	child study	136.7479	
	hygiene	613.74	
	nursery	649.5	
Players, lives of		927.92	
Playgrounds			
laboring classes		331.84	
public		796	
school		371.61	
Playing cards		795	
Playright		655.62	

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Plays			
English drama	822		
mystery history	809.2		
religion	244		
theater	792		
parlor amusements	793		
school student life	371.895		
Pleading	347.92		
¹ Pleasants co. W. Va. hist.	975.421		
Pleasure physiology	612.82133		
psychology	157		
Plectognathii fishes	597.5		
Plectral stringd instruments	787		
Pleiocene period geology	551.783		
Plesure physiology	612.82133		
psychology	157		
Plethysmografy physiol.	612.189		
Pleura anatomy	611.25		
diseases of	616.25		
physiology	612.2155		
Pleurisy diseases	616.25		
Pleuroperitoneal cavity	611.389		
Pleuropneumonia			
cattle disease	619.24		
diseases	616.241		
Pliny Latin letters	876.2		
Plong, Carl Dan. poetry	839.8168		
Plot of 1604-6 Eng. hist.	942.061		
1679 " "	942.066		
Plotinus Gk filosofers	186.4		
Plotting surveying	526.96		
Plow agriculture	631.312		
shovel	631.3162		
Plowing	631.512		
steam machinery	621.146		
Plum stone fruits	634.22		
Jew	634.442		
marmalade	634.432		
pigeon	634.665		
Spanish	634.443		
¹ Plumas co. Cal. hist.	979.429		
Plumbagineæ botany	583.671		
Plumbago econom. geol.	553.26		
Plumbing	696		
house drainage	628.6		
laws	696.9		
Plums fruit culture	634.22		
Plunger pumps engin'g	621.654		
Plural			
vote electoral systems	324.213		
Plurality			
election suffrage	324.262		
to legislativ body	328.3355		
of worlds astron.	523.13		
Plutarch Gk filosofers	186.2		
literature	888.8		
Plutology polit. econ.	330		
Plutonic rocks lithology	552.3		
Plymouth			
brethren sects	286.7		
¹ co. Ia. history	977.716		
¹ Mass. "	974.48		
Rock fowls	636.582		
settlement Mass. hist.	974.4		
U. S. "	973.22		
Pneumatic			
aspiration therapeutics	615.815		
brakes gun mounts	623.43564		
caisson foundations	721.173		
cleaning engineering	621.549		
differentiation therapeu.	615.836		
forcing foundations	721.175		
pile foundations architect.	721.155		
pump physics	533.5		
tools engineering	621.542		
tubes communication	654.8		
engineering	621.549		
lib. econ.	022.946		
Pneumatics	533		
Pneumatology metaphys.	128		
Pneumogastric nerv. <i>see</i> Vagus			
Pneumografy physiology	612.211		
Pneumonia diseases	616.241		
Pneumotherapy	615.64		
¹ Pocahontas co. Ia. hist.	977.719		
¹ W.Va. "	975.487		
Pocket veto legislation	328.375		
Pockets, card lib. econ.	025.255		
Podalyrieae legume crops	633.372		
Podophthalma			
crustaceans	595.38		
gastropods	594.3		
spiders	595.4		
Podophthalmata crustaceans	595.38		
Podophthamia "	595.38		
Podophthalmidae spiders	595.4		
Podostemaceæ botany	583.921		
Poe, Edgar Allan Am. poet	811.32		
Poetic			
books of Bible	223		
⁵ selections Eng. litera.	821.08		
Poetry			
American literature	811		
English "	821		
French "	841		
German "	831		
Great war	940.49		
Greek "	881		

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index.

Poetry

⁶ humorous Eng. lit.	827
Italian literature	851
Latin "	871
⁶ macaronic Eng. lit.	827
philosophy of	808.1
sacred hymnology	245
⁶ satiric Eng. lit.	827
Spanish literature	861
other literature see table 5	
U. S. history civil war	973.791
Mex. "	973.6291
revolution	973.391
Span. war	973.8991
war of 1812	973.5291
Poets, lives of	928
English	928.21
French	928.41
German	928.31
Italian	928.51
Spanish	928.61
Poikilothermic animals	
comp. physiol.	612.39192
Poincaré French hist.	944.08
Pointed architecture	723.5
Pointer telegraf elec. eng.	621.38225
Points animal excellence	636.08114
modern geometry	513.51
Poisond wounds surgery	617.148
Poisonous	
cosmetics adulterations	614.355
plants agriculture	632.59
econ. botany	581.65
secretion animals	591.145
Poisons	
chemic analysis	543.5
domestic economy	648.7
effect on bile	612.3574
gastric juice	612.324
intelligence	612.8214
intestin	612.334
irs	612.8424
liver	612.354
milk secretion	612.6644
nerv cells	612.82254
nerv. irritability	612.8167
pancreas	612.344
reflexes	612.83394
effect on respiration	612.284
salivary glands	612.3134
swet	612.7924
temperature	612.544
urin secretion	612.464
effects of diseases	616.97

Poisons

elimination by bile	612.3575
gastric juice	612.324
saliva	612.31341
swet	612.79242
urin	612.4643
thru milk	612.6644
house sanitation	648.7
medical jurisprudence	340.6
mesology	612.01446
neuroses from special	616.86
sale of state control	614.28
therapeutics	615.9
vegetable econ. botany	581.69
¹ Poitou, French history	944.6
Poitou sheep	636.3444
Poker amusements	795
ethics	175.5
⁴ Polabian language	491.89
Poland	
¹ history	943.8
insurrection of history	947.07
⁴ language	491.85
⁵ literature	891.85
partition of history	947.06
¹ Russian "	947.5
Poland China swine	636.482
Polanders poultry	636.552
Polar	
duplex telegraf elec. eng.	621.382323
projections descr. geom.	515.54
regions agriculture	631.0911
antarctic travel	919.9
¹ arctic history	998
travel	919.8
Polarimeters quan. anal.	545.8
Polarimetry of urin physi.	612.461176
Polariscope optics	535.5
Polariscopic anal. chem.	544.7
Polarity in rocks geology	551.84
Polarization	
of light astronomy	522.65
chemistry	544.7
optics	535.5
Polars	
modern anal. geom.	516.55
geometry	513.55
Polders reclamation	631.616
Polemic sermons	252.2
theology	230
Polemoniaceæ botany	583.761
Polemoniales "	583.76

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Poles		Politics, American	329
aerial elec. lines	621.319223	British	329.942
modern anal. geom.	516.55	morals of	172.1
geometry	513.55	relations to pol. econ.	330.1932
plant support	631.3452	Polity, ecclesiastic	262
training	631.5461	Poliziano, A. Ital. drama	852.22
telegraf communication	654.4	poetry	851.24
elec. eng.	621.319223	Polk, J. K. presidency of	973.61
Police		¹ Polk co. Ia. history	977.758
boats shipbuilding	623.826	¹ Mo. "	977.877
local government	352.2	¹ Wis. "	977.517
medical state control	614.29	Polka piano music	786.44
mesures administration	351.74	Poll tax polit. econ.	336.25
sanitary "	351.77	Pollak-Virag telegraf	621.38246
stations architecture	725.18	Polled cattle Aberdeen	636.2231
Policy		Durham	636.2263
legislativ pol. sci.	328.24	Hereford	636.2227
Poliomyelitis, anterior, <i>see</i>		Pollen fertilization	581.3
Paralysis, infantil		Pollution	
Polish chem. technology	667.7	air by cemeteries	614.652
Polish bantams	636.58713	public helth	614.7
discovery of Amer.	973.11	water by cemeteries	614.651
fowls	636.552	supply of towns	628.16
⁴ language	491.85	Polo amusements	797
⁶ literature	891.85	pony	636.161
sheep	636.3331	Polonaise piano music	786.44
swine	636.433	Polonium inorgan. chem.	546.892
Polishing dom. econ.	648.55	Polverara fowls	636.553
painting	698.3	Polyandry customs	392.6
Politeness ethics	177.1	ethics	173.2
etiquet	395	Polycarpeæ botany	583.155
Political		Polychromatic ornament	747
assessments suffrage	324.233	Polycystina zoology	593.14
associations	363	Polyedrons geometry	513.34
conventions	329	Polygaleæ botany	583.143
economists' lives	923.3	Polygalineæ "	583.14
economy	330	Polygamy	
ethics	172.1	criminal law	343
history	900	customs	392.6
Great war	940.31	Edmunds act U. S. hist.	973.84
U. S. civil war	973.71	ethics	173.2
Mex. "	973.621	hygiene	613.89
revolution	973.31	Mormonism	298
Span. war	973.891	Polyglot Bibles	220.5
war 1812	973.521	dictionaries	413
organizations	363	Polygonaceæ botany	583.917
parties	329	Polygoneutic variation zool.	591.154
science	320	Polygons geometry	513.16
sermons	252.6	Polygrafy special lib.	080
status of woman	396.3	² <i>see</i> subject for topical collec.	
theory political sci.	320.152	Polyhedra geometry	513.34
troubles internal relat.	323.2	Polymerism chemistry	541.7
Politicians biography	923.2	Polymorphic variation zool.	591.151
		Polymorphism crystallog.	548.3

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- ¹Polynesia** history 996
 languages 499
 travel 919.6
Polypetalæ botany 583.1
Polyphase
 machinery elec. eng. 621.31332
 traction systems " " 621.33143
 transmission " " " 621.31913
 Polyphonic school music 783.4
 Polypnea respiration 612.223
 thermic physiol. 612.534
Polyps zoology 593.6
 Polypus diseases 616.992
Polysaccharids nutrition 612.39611
Polytheism 290
 Polyuria physiology 612.4641
 Polyzoa zoology 594.7
Pomace
 fertilizers agriculture 631.847
Pomaceous
 fruits agriculture 634.1
Pome
 fruits agriculture 634.1
Pomegranate agriculture 634.64
Pomelo 634.323
¹**Pomerania, Ger.** history 943.16
Pomeranian sheep 636.3331
Pomology agriculture 634
Pomme Cythere 634.432
Pompadour fowls 636.552
Pompeii description 913.377
Pompey's pillar
 Egyptian antiquities 913.32
 monuments 718
Pompignan, J. J. de Franc de 841.53
Ponce de Leon Am. discov. 973.16
Pond apple 634.414
Ponds
 artificial landsc. garden. 714
 physical geology 551.48
Ponies
 domestic animals 636.16
 student honor 371.81
 zoology 599.7
Pons Varolii anatomy 611.8173
 physiology 612.8268
Ponsard, François Fr. dram. 842.82
Pontederiaceæ botany 584.34
Pontiac, consp. of Can. hist. 971.02
 U. S. " 973.27
¹ co. Que. hist. 971.421
²**Pontifical states** Ital. hist. 945.6
Pontificate, Rom. eccles. pol. 262.13
Pontoon bridges
 engineering 624.87
 military engineering 623.652
Pontoppidan, E. Dan. misc. 839.8841
Pontus ancient history 939.33
Poolselling ethics 175.9
Poor
 laws local government 352.9
 pauperism 339
 rates 336.28
Poorhouses
 architecture 725.55
 asylums 362.5
 pauperism 339
Poot, H. C. Dutch poetry 839.3142
Pop corn 635.677
Pope Great war 940.31522
Pope, Alex. Eng. poetry 821.53
 satire 827.55
¹**Pope co. Ill.** history 977.3991
Popery ecclesiastic polity 262.13
Popes church history 282
 lives 922.2
Popham colony Maine hist. 974.1
Popish plot, 1679 Eng. hist. 942.066
Popliteal
 artery anatomy 611.13786
 glands " 611.4683
 muscle " 611.73856
 space " 611.983
 veins " 611.1473
Poppy agriculture 633.75
 botany 583.122
Popular
 ballads 784.4
 delusions 133
 education, public 379
 elections suffrage 324
 errors 133
 lectures self education 374.5
 science 500
 sovereignty U. S. hist. 973.64
 summer schools self educ. 374.8
 tumults public order 351.752
Population statistics 312
Porcelain
 art 738
 chemic technology 666.5
 painting 738
 vessels prac. chem. 542.232
Porcupines zoology 599.3
Porifera " 593.4
Pork packing air pollut. 614.743
 trichinæ pub. helth 614.562

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Porosity, properties of solids	539.2
Porous	
terra cotta construc. bldg	693.4
Porphyrite lithology	552.31
Porphyzation prac.chem.	542.22
Porphyry Greek philos.	186.4
Porphyry econ. geology	553.56
lithology	552.31
Porpoises zoology	599.5
Port Hudson, La. siege	973.7347
¹ Huron, Mich. history	977.441
Royal heresy	273.7
persecutions	272.5
S.C. U.S.civ.war	973.751
Porta, G. della Ital. dram.	852.45
Porta anatomy	611.8148
Portable	
boilers engineering	621.18423
engins mechan. eng.	621.15
observatories astron.	522.15
¹ Portage co. O. history	977.137
¹ Wis. "	977.553
Portal ligature physiology	612.35151
vein anatomy	611.149
Portents	133.3
Porter, Jane Eng. fict.	823.75
Noah Am. philos.	191.6
¹ Porter co. Ind. history	977.298
travels	917.7298
Porters	
domestic servis	647.25
library servis	023.795
lodges architecture	728.91
Portio dura anatomy	611.8317
Portland	
cement econ. geology	553.68
manufacture	666.9
¹ Me. history	974.19
travel	917.419
vase pottery	738
¹ Portneuf co. Que. hist.	971.4466
¹ Porto Rico history	972.95
Portrait painting	757
Portraits	
catalogs of	757
collections of painting	757
engraved	769
Ports, establishm't of tides	525.64
shipbuilding	623.85
Portsmouth	
¹ England, history	942.27
travel	914.227
¹ O. history	977.1871
¹ Portugal history	946.9
travel	914.69
Portuguese	
discovery of America	973.16
East Africa history	967.9
⁴ language	469
⁵ literature	869
Romanesque architecture	723.46
swine	636.46
Portulacæ botany	583.156
¹ Posen, Germany history	943.13
¹ Posey co. Ind. history	977.234
Posidonius Gk philos.	188.5
Position	
calculus of anal. geom.	516.8
of body in orbit astron.	521.23
space "	521.24
orbit "	521.22
shorthand	653.01
Positivism philosophy	146
Posology materia med.	615.14
Possession	
territorial pol. sci.	320.1263
Possessiv pronouns	
³ English etymology	422.7
³ syntax	425.7
Post	
auricular glands anatomy	611.4632
commissure "	611.8141
mortem exam. pathol.	616.079
Nicene apostolic church	281.4
pliocene period geology	551.79
spade	631.3111
Postage stamps	383
legis. supplies	328.364
Postal savings banks	332.2
servis	383
telegraf	384
Posterior commissure	611.8141
Posters advertising	659.1
cartoons	741
Posthole digger	631.3113
Postl, Karl Ger. fiction	833.74
Postludes organ music	786.85
Postoffis administration	351.816
clerks suffrage	324.247
dep't U. S. admin.	353.4
Postoffises architecture	725.16
sociology	383
Posts carpentry	694.4
army mil. engin'g	623.613
Pot cheese	637.356
Potash	
agriculture	631.83
chemic technology	661.3

Potassium inorg. chem.	546.32	Powder	
salts as food	612.39262	protectiv external agents	615.776
Potato		toilet	646.7
botany	583.79	Power	
field crops	633.491	balance of polit. science	320.1
garden "	635.21	delivery elec. traction	621.3315
beetle agric. pests	632.76	farm	631.37
diggers "	631.3564	gas producers	665.7
disease agriculture	632.4	meters elec. eng.	621.3746
botany	581.21	of removal civil servis	351 ^r .92
Potential		plants, electric	621.312
meters elec. eng.	621.3743	gas engin	621.49
regulators " "	621.3145	steam	621.19
static electricity	537.21	plow	631.3123
Potentials		pumps engin'g	621.64
law of attraction	531.51	railroad engin'g	625.26
of ellipsoids geodesy	526.11	roller	631.3141
Potentiometer elec. engin'g	621.3743	ship design	623.81
¹ Potenza, Italy history	945.77	transmission elec. eng	621.319
Potgieter, E. J. Dutch lit.	839.3453	mech. "	621.8
Potholes geology	551.92	vessels shipbilding	623.823
Potomac, army of the		yachts "	623.824
U. S. civ. war	973.7416	Powers	
¹ valley W. Va. hist.	975.49	legislativ pol. sci.	328.34
trav.	917.549	legislatures	328.34
Potpourris orch. music	785.9	of library trustees	023.35
Pots, layering	631.335	separation of Eng. govt.	354.4202
plant	631.345	Fr. "	354.4402
¹ Pottawattamie co. Ia. hist.	977.771	Ger. "	354.4302
Potted layering	631.5344	U. S. "	353.02
Potter, Diric Dutch poetry	839.3115	¹ Poweshiek co. Ia. history	977.7596
¹ Potter co. Pa. history	974.855	Practical	
Potters clays econ. geology	553.61	astronomy	522
Pottery		chemistry	542
art	738	mining	622.2
manufacture	666.3	pharmacy materia med.	615.4
painting	738	religion	240
prehistoric	571.55	sermons	252.4
refractory prac. chem.	542.232	Practis of medicin	616
works architecture	725.48	state control	614.2
Poultry, diseases of	619.5	Pragmatic sanction	
domestic animals	636.5	Byzantine empire	949.5
houses	631.22	Gallic church	282.44
manure agric.	631.86	political science	321.6
Pouter pigeon	636.59611	Pragmatism	149.9
Poverty pauperism	339	¹ Prague, Germany hist.	943.71
Powder		trav.	914.371
baking adulterations	614.315	Prairie plow	631.3125
chem. tech.	664.6	Prairies phys. geografy	551.58
gun manufactures	662.3	reclamation	631.611
manufacture	662.3	Praise meetings. pub. worship	264.2
military engineering	623.452	⁴ Prakrit language	491.2
milk	637.143	Pram, K. H. Dan. poetry	839.8155
		Praseodymium inorg. chem.	546.642

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Prat fowls	636.565	Prelacy ecclesias. polity	262.12
Prati, Giovanni Ital poet.	851.78	Preludes organ music	786.83
Giovanni da * fict.	853.25	Premature interment	614.61
Prawns fishery	639.5	Prenatal circulation	612.179
zoology	595.3	Preordination doctr.theol.	234.9
Prayer		Preparation	
books, Anglican	264.03	of butter	637.23
church ritual	264.1	crops for storage	631.56
family	249	transport	631.56
gage • natural theology	217	fertilizers agric.	631.812
Lord's gospels	226.9	food zootechny	636.0856
meetings	264.7	soil	631.51
natural theology	217	Preparatory schools, girls	376.63
of Manasses Apocrypha	229.6	private	373
private personal relig.	248	public	379.171
Preachers biography	922	Preparedness mil. science	355.21
Preaching	251	Prepeduncles anatomy	611.8164
friars Dominicans	271.2	¹ Prepositions Eng. etymol.	422.9
Pre-Adamites	573.3	syntax	425.9
¹ Preble co. O. history	977.171	Prepuce anatomy	611.642
Precedence heraldry	929.7	Preraphaelitism	759.9
Precession prac. astron.	522.95	Prerogativs	
theoret. . "	521.9	legislativ bodies	328.34
Precious		Presages occultism	133.3
metals metallurgy	669.2	Presbyopia physiology	612.8454
mineralogy	549	Presbyter ministry	262.14
stones econ. geol.	553.8	Presbyterian orders	262.18
mineralogy	549	Presbyterians	285
Precipitation		lives	922.5
disposal of sewage	628.34	Presbytery eccles. polity	262.4
practical chemistry	542.65	Prescience divine attrib.	231.4
Precocity		¹ Prescott co. Ont. history	971.386
child study	136.765	Prescription-writing	615.14
education	371.945	Presentations	
Precolumbian disc. of Amer.	973.11	in labor obstetrics	618.42
Precubrum anatomy	611.8133	of decorations Great war	940.464
Precuneus "	611.81318	flags Great war	940.463
Predestination doc. theol.	234.9	U. S. civil war	973.763
Predicting machines tides	525.68	Presents, Christmas	394
Predictions	133.3	Preservation	
Preemption state land	336.13	of crops	631.55
Preexistence of the soul	129.3	fish chem. tech.	664.9
Prefect French loc. gov't	352.0444	food chem. technology	664.8
Preferential vote	324.224	dom. economy	641.4
³ Prefixes English etymol.	422.2	fruits chem. tech.	664.8
Pregnancy obstetrics	618.2	meats " "	664.9
pathology of	618.3	milk	637.133
physiology	612.63	munitions of war	623.481
Prehension of food physiol.	612.311	vegetables chem. tech.	664.8
Prehistoric		Preservativs .	
archeology	571	bilding	691
man nat. hist. of man	573	zoologic collections	579.2
Prejudis logic	165	Preserving cookery	641.4
social ethics	177.3		

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

President	
French government	354.4403
inauguration ceremonies	394.4
protem legis. bodies	328.3622
ship, * Little Belt U.S.hist.	973.51
capture war 1812	973.5257
U. S. government	353.03
veto power U. S.	353.03
Presidential	
elections U. S.	324.73
succession act U. S. hist.	973.85
Presidents biography	923.1
messages	353.03
¹ Presque Isle co. Mich. hist.	977.482
Press	
clippings	029.3
agencies	029.3
code electric eng.	621.382154
hydraulic engineering	621.266
science	532.81
journalism	070
liberty of journalism	070.13
polit. sci.	323.445
library propagandism	021.74
morals of	179.1
printing	655.31
public order	351.751
work printing	655.32
writing for lit. methods	029.6
Presses	
baling	631.3642
butter	637.2328
cheese	637.3323
filter practical chem.	542.67
hanging lib. economy	022.481
hydraulic machinery	621.266
practical chemistry	542.68
Pressing cheesemaking	637.3333
hydraulic print'g	655.33
Pressure	
arterial physiology	612.182
barometric "	612.27
gages pneumatics	533.82
steam engin'g	621.1847
of air meteorology	551.54
blood physiology	612.14
clothing hygiene	613.484
liquids hydraulics	532.1
regulation accumulators	621.3125
sense physiology	612.883
turbins steam engin'g	621.16523
wind bridge engin'g	624.175
Prestidigitation	791
¹ Preston co. W. Va. hist.	975.482

Pretenders English history	942.07
Prevention of	
contagious diseases	614.44
cruelty ethics	179.2
fire protection of life	614.841
Prevost d' Exiles, A. F.	
French fiction	843.53
Priapus mythology	291
¹ Price co. Wis. history	977.524
Price's Missouri expedition	
U. S. civ. war	973.7374
Prices	
of books lib. admin.	025.222
butter	637.2185
cheese	637.3185
food dom. economy	641.31
milk	637.1185
political economy	338.5
Prickly pear	634.7751
Pride ethics	179.8
Priest ministry	262.14
Priesthood "	262.1
Priests	
celibacy of	254
ethics	176.2
pigeons poultry	636.59632
Roman cath. biography	922.2
Primacy eccles. polity	262.13
Primary suffrage	324.23
Primary	
caucus suffrage	324.235
cells electric engin'g	621.353
direct suffrage	324.237
period geology	551.72
schools methods	372
state system	379.18
Prime	
meridian cosmic time	529.77
geog. coordin.	525.46
numbers arithmetic	511.3
vertical astron. instru.	522.47
Primers elementary educ.	372.4
Primers military eng.	623.45422
Primeval	
man nat. hist. of man	573
prehist. archeology	571
Priming tides	525.63
Primitiv	
apostolic church	281.2
baptists sects	286.4
boats shipblding	623.821
Christianity	270.1
church	281
cropleaning tools	631.3621

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Primitiv	
culture	571
harvesting tools	631.351
man, customs of	571
Methodist church	287.4
streak embryology	611.01333
threshing tools	631.3611
Wesleyan church	287.5
Primogeniture law	347.6
Primrose leag polit. assoc.	363
Primulaceæ botany	583.672
Primulales "	583.67
Prince	
¹ co. P. E. I. history	971.71
¹ Edward co. Ont. "	971.3587
¹ Edward Is. Can. history	971.7
travel	917.17
¹ George co. Md. history	975.251
Princes education	371.961
Princeton, N. J.	
battle Amer. revol.	973.3326
college	378.749
¹ history	974.967
travels	917.4967
Principles, general probab.	519.1
Printed catalogs lib. econ.	025.3
Printers biograpy	926.5
marks hist. of printing	655.1
occupation hygiene	613.65
Printing	
bill legislativ procedure	328.373
business	655
calico chem. tech.	667.3
inks " "	667.5
library administration	025.12
presses	655.31
telegrafs communicat.	654.3
elec. engin'g	621.3825
trade	655
Prints	
books of	769
cloth chem. technology	667.3
Prior, Matthew Eng. poet.	821.51
Prisms	
geometry	513.36
library bildings	022.73
lighting	628.9
optics	535.81
Prison	
associations	365
contracts polit. econ.	331.51
disciplin	365
life Amer. civil war	973.77
Prisoners	
of war ass'n, Union	369.155
internat. law	341.3
Prisons	365
and reformatories arch.	725.6
hygiene	613.57
Great war 1914-19	940.472
labor pol. econ.	331.51
U. S. history civil war	973.77
Mex. "	973.627
revolution	973.37
Span. war	973.897
war of 1812	973.527
Private	
banks	332.13
grounds landsc. garden.	712
international law	341.5
judgment eccles. pol.	262.8
legislation	328.378
libraries	027.1
library catalogs, author	018.2
clast	017.2
dictionary	019.2
marks lib. economy	025.251
notes polit. "	332.5
ownership of land	333.3
reading self-education	374.1
schools	373
public aid to	379.121
theatricals	793
ethics	175.2
vs public schools	379.3
worship	248
Privateering	
international law	341.3
Privateers	341.3
U. S. history civil war	973.759
revolution	973.358
war of 1812	973.5258
Privately printed books	
library economy	025.227
rarities	094
Privation	
effects of diseases	616.985
hygiene	613.88
Privies air pollution	614.764
sanitation	628.41
Privileged communications,	
medico-legal	614.23
Privileges	
government library aid	021.86
legislatures	328.347
of library executiv	023.43
special, to library readers	024.7

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Privy council Eng. gov't	354.4204	Profiles fortifications	623.111
Prize		Profit sharing pol. econ.	331.24
fighting ethics	175.6	Profits capital and labor	331.1
money mil. science	355.13	stock farming	636.0818
Prizes		Prognostications	133.3
agricultural	630.719	Program music, orchestral	785.4
in school education	371.53	Progress	
international law	341.3	civilization	901
library	020.79	of population, statistics	312
maritime law	347.7	sociology	301
Probabilities mathematics	519	Progression	
Probate law	347.6	algebra	512.6
Probation of malefactors	364	arithmetic	511.6
Problem of three bodies	521.13	Progressiv	
Problems differen. calcul.	517.29	development of man	575.6
integral "	517.39	friends sects	289.6
see subject		wages economics	331.225
Proboscidea mammals	599.6	Prohibited	
Procedure law	347.9	books book rarities	098
legislativ	328.37	bullets small arms	623.45535
voting suffrage	324.24	Prohibition	
Process shops mfg plant	621.794	party polit. science	329.81
Processes		temperance	178.5
antitrust bilding	691.7	Projectil fuzes mil. eng.	623.45423
bilding materials	691	Projectils	
Processional cathed. music	783.29	artillery ordnance	623.451
Processions customs	394.5	deviation of	525.37
Proclus Gk filosofers	186.4	ballistics	623.54
Proctor's creek, Va. battle	973.7365	effect of mil. eng.	623.56
Prodicus Gk filosofers	183.1	military engineering	623.45
Produce agriculture	633	physics	531.55
Production		Projection	
feeding for zootechny	636.08452	of shadows perspectiv	515.63
for food stockraising	636.0883	Projections	
of fertilizers agric.	631.812	analytic geometry	516.57
metals pol. econ.	332.41	descriptiv "	515
milk	637.12	map geodesy	526.8
political economy	338	Prolapsus funis in labor	618.58
wages pol. econ.	331.213	Proletariat	
Productions of the soil	633	social classes	323.33
Products		Proliferous buds	631.5333
animal, stockraising for	636.0884	Prominences sun	523.75
Profanity ethics	177.2	Promis ethics	174.7
Professional		Promiscuity customs	392.6
ethics	174	Promissory notes law	347.7
remuneration pol. econ.	331.27	pol. econ.	332.7
schools	378.99	Promotion of pub. welfare	351.8
architecture	727.4	Promotions, military	355.11
libraries	371.648	of scholars	371.28
see also name of profession		teachers	371.165
servises bilding	692.8	Pronator muscle of forearm	611.7374
Professors' salaries educ.	371.161	Prongd shovel	631.3111
Professorships		'Pronominal forms	
of books and reading	028.6	Eng. etymol.	422.7
		Eng. syntax	425.7

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

*Pronunciation Eng. lang.	421.5	Prorogation legis. bodies	328.356
Proof and copy lit. meth.	029.6	Proscription crim. law	343.2
legal law	347.94	*Prose composition Gk	488.2
reading printing	655.25	Latin	478.2
Propaganda, library	021.79	Prosencephalon anat.	611.813
Propagandism, library	021.7	Proslavery slavery	326.7
Propagation		Prosody	
appliances	631.335	comparativ philol.	416
of contagious diseases	614.43	³ English language	426
light optics	535.2	³ Greek	486
magnetism	538.2	³ Latin	476
plants	<u>631.53</u>	Prosos cereals	633.173
sounds acoustics	534.2	Prospecting min. engin'g	622.1
zootechny	636.0824	Prostate gland anatomy	611.637
Propellers		diseases	616.65
aviation	629.184	Prostitution administra.	351.764
ballooning	629.164	ethics	176.5
Propelling		hygiene	613.87
machinery shipblding	623.87	Prostration, nervous	616.843
Proper		Protagoras Gk philosophy	183.1
motions stars	523.83	Protaminic nucleus phys.	612.398191
names persons, places	929.4	Protamins nutrition	612.398138
of season cathed. music	783.23	Proteaceæ botany	583.932
Propercius Lat. lyric poet.	874.4	Protection	
Property		against destruction agric.	632.1
capital	331	pests	632.9
church	254	dom. econ.	648.7
city local taxation	352.1	of animals	591.57
law of title to	347.2	grafts	631.5417
literary publishing	655.6	human life from accid.	614.8
personal law	347.3	plants	631.344
qualification legis. bod.	328.331	political economy	337.3
suffrage	324.46	Protectiv	
real law	347.2	devices elec. line	621.3198
state finance	336.1	stations	621.3178
suffrage	324.13	local telephone	621.38694
tax	336.21	telephone stations	621.38794
theory of pol. econ.	335.01	telegraf	621.38328
Prophecy Bible inspira.	220.1	external agents, therapeu.	615.776
Prophetic books of Bible	224	inoculation pub. helth	614.47
Proportion		Protectorate Eng. history	942.064
algebra	512.6	Protectorates pol. sci.	321.027
arithmetic	511.6	Proteids chem. of food	641.12
in art esthetics	701	physiology	612.398145
of elevation arch. design	729.13	Proteolytic ferments	
occupiable area		in gastric juice	612.3215
ground hygiene	614.784	nutrition	612.3983
plan arch. design	729.23	physiologic chemistry	612.01513
Proportional representation	324.224	Protestant	
Proprietary libraries	027.2	episcopal church	283
Proprius muscle anat.	611.73843	episcopalian biograpy	922.3
Props, plant	631.3452	methodist church	287.7
Propulsion		reformation, <i>see</i> Reformation	
shipblding	623.81	sects, continental	284

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Protestantism	284	Pseudonyms bibliografy	014
and Romanism	282	Psoraleae forage crops	633.375
Protestants, French		Psychiatry, see Insanity	
persecutions of	272.4	Psychitt	
Protonotario, S. Ital. poet.	851.11	influence on digestion	612.3281
Protophyta botany	589.7	medicin mental pathol.	132
Protoplasm		nervous diseases	616.8
animal physiology	591.17	phenomena	134
biology	576.2	reflexes physiol.	612.8216
cell histology	611.01811	research mind and body	130
physiology	612.01421	Psychoanalysis	131
muscles	612.71	Psychology	
Protovertebrae embryol.	611.01361	abnormal	132
Protozoa paleontology	563	comparativ physiology	612.82131
zoology	593	of fashions dom. econ.	646.01
Provençal		labor pol. econ.	331.015
language	449	pedagogic	370.15
literature	849	philosofy	150
Romanesque architec.	723.44	physiologic	612.821
swine	636.447	Psychomancy divination	133.3
¹Provence, France history	944.9	Psychometry physiology	612.8211
Proverbs, book of Bible	223.7	Psychomotiv centers "	612.8252
folklore	398.9	Psychophysical laws	612.82188
¹Providence, R.I. hist.	974.52	Psychotherapy therapeu.	615.851
co. R. I. "	974.51	Psychrometry meteorol.	551.57
Divine theol.	231.5	Pteridophyta botany	587
natural "	214	Pterodactyl paleontology	568.18
Province Ger. local gov.	352.0431	Pteropoda zoology	594.4
of Canada hist.	971.04	Pterosauria reptils	598.18
²Provincialisms Eng. lang.	427	Pterygoid muscles anat.	611.73273
Proxy		Ptomains	
system suffrage	324.223	animal poisons	615.94
Pruning		physiology of nutrition	612.398195
operations	631.542	urin	612.461262
tools	631.342	Ptyalin salivary action	612.3132
¹Prussia history	943.1	tryptic digestion	612.3423
Prussian		Puberty physiology	612.661
language, old	491.91	Pubic joints anatomy	611.7281
merinos	636.36731	Pubis "	611.71813
¹Saxony, Germany hist.	943.18	Public	
travel	914.318	accounts administra.	351.72
Prussic acid mater. med.	615.34	administration	350
toxicology	615.962	analysts adulterations	614.3
Prytz, A. J. Swed. drama	839.7223	annuities	336.35
Psalmody music	783.9	baths	613.47
Psalms Bible	223.2	begging state control	351.763
hymnology	245	buildings architecture	725
Psalter Anglican ritual	264.038	care of	647.96
Pseudepigrafa	229	local governm't	352.5
Pseudo gospels	229.8	charities	361
Pseudocele anat.	611.8139	charity state control	351.84
Pseudomorfs crystallog.	548.6	credit polit. econ.	336.34
Pseudoneuroptera insects	595.73	customs	394
pests	632.73	debt finance	336.3

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Public			
documents	legis. bodies	328	
	library aid	021.841	
	preservation	025.8	
	print'g & distrib.	655.59	
education		379	
	administration	351.851	
finance		336	
gaming	state control	351.762	
gardens		711	
helth		614	
	laws	614.09	
	local gov't	352.4	
lands		336.1	
law		340	
libraries		027.4	
	state control	351.852	
library author catalogs		018.1	
	clast "	017.1	
	dictionary "	019.1	
	fee lib. econ.	024.26	
notes	polit. econ.	332.5	
occasions	sermons	252.6	
officers, duties of	ethics	172.2	
offises	architecture	725.13	
safety administration		351.75	
sanitation		614	
schools education		379	
securities polit. econ.		336.3	
servis commissions		380	
shows	ethics	175.1	
speakers	hygiene	613.65	
speaking, oratory		808.5	
spirit	patriotism	172.1	
urinals	sanitation	628.45	
use and waste of water		628.17	
utilities	commerce	380	
vs private schools		379.3	
welfare administration		351.8	
works	"	352.5	
worship		264	
Publications, library		025.122	
Publicity			
election expenditures		324.273	
Publisher, library as		021.25	
Publishers			
and authors		655.52	
author catalogs		015	
circulars		015	
lives		920.4	
Publishing business		655.5	
	history of	655.4	
	societies	655.58	
Pucci, Antonio	Ital. satire	857.14	
Pudendal plexus	anat.	611.8359	
Pudic nerv	"	611.83595	
	plexus	611.8359	
¹ Puebla, Mexico	history	972.4	
Pueblos	dwellings	571.85	
Puerperal			
diseases	obstetrics	618.7	
fever	pathology	618.72	
	public helth	614.545	
	obstetrics	618.6	
Pugilism	amusement	796	
	ethics	175.6	
Puissant's deduction			
	L.M.Z. formulæ	526.48	
Pujol	Catalan poetry	849.9136	
¹ Pulaski co. Ill.	history	977.3998	
¹	Ind.	977.292	
¹	Mo.	977.857	
Pulci, Luigi	Ital. satire	857.22	
Puller, stump		631.3117	
Pulley	physics	531.84	
Pulleys	mech. engin'g	621.856	
Pulmonary			
artery	anat.	611.131	
	aneurism and emb.	616.247	
	circulation, blood pressure	612.148	
	elasticity	612.212	
	muscles	physiology	612.2153
	respiration	animals	591.127
	valvs	anatomy	611.12656
	veins	"	611.141
Pulmones	anat.	611.24	
Pulmotor			
first aid		617.18	
	drowning	614.812	
	suffocation	614.82	
	physiology	612.2321	
	therapeutics	615.64	
Pulp, dental			
diseases of	dentistry	617.61	
Pulpit			
clergy		262.1	
eloquence	homiletics	250	
library propagandism		021.76	
oratory		251	
Pulpits			
architectural accessories		729.92	
sacred furniture		247.1	
Pulse			
diagnosis	pathology	616.071	
physiology		612.16	
venous	physiology	612.1342	
wave of blood	physiol.	612.16	
Pulverization	prac. chem.	542.22	

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Pulverized			Purchases	farm economics	631.171
fertilizer distributor	631.3336		Pure food	pub. health	614.3
Pulverized fuel appliances	621.18377		Purgativs	physiology	612.3344
Pulverizer harrows	631.3134			therapeutics	615.7323
Pulverizing plow	631.3126		Purgatory	theology	236.5
Pumis stone	econ. geol.	553.69	Purification of wastes		628.546
	lithology	552.23	Purifiers, feedwater		621.1972
Pump			Purin		
air	pneumatics	533.5	compounds	nutrition	612.398195
	practical chem.	542	Puritanism	theology	285.9
condensing	pneumatics	533.83	Puritans	Eng. history	942.06
force	"	533.84		relig. hist.	274.2
suction	"	533.85		Mass. history	974.4
wells	waterworks	628.12		persecutions by	272.8
Pumping			Purpose	ethics	171
engins	mechan. eng.	621.64	Purslane		635.46
rams, hydraulic		621.273	Pus	medicin	617.22
stations	sewerage wks	628.29	Puseyism	theology	283
vs gravitation	waterwks	628.12	Push hoe		631.3152
Pumpkins	forage	633.39	'Pushtu language		491.58
	kitchen garden	635.624	Pusley		635.46
Pumps	engineering	621.64	Pustular affections of skin		616.52
	hydraulic	621.252	Putativ elements	chemis.	546.99
	injection, hydraulic	621.267	¹ Putnam co. Ill.	history	977.337
	reclamation	631.65	¹	Ind.	"
	ship machinery	623.87	¹	Mo.	"
	steam plant	621.1973	¹	N. Y.	"
Punching tools		621.96	¹	O.	"
Punctuality	lib. econ.	023.612	¹	W. Va.	"
² Punctuation	Eng. lang.	421.9	Putrefaction	bacteria	589.95
Punctured wounds	surg.	617.144	¹ Puy de Dôme, Fr.	hist.	944.59
Punic wars	Roman hist.	937.04		trav.	914.459
Punishment			Puzzles		793
capital	criminal law	343.2	Pyemia	diseases	616.943
corporal	school	371.55	Pygmies, <i>see</i> Pigmies		
eternal	theology	237.7	Pyknometers	prac. chem.	542.3
future	"	237.6	Pyloric		
law		343.2	artery	anatomy	611.13641
military		355.13	glands	"	611.33
school		371.54	nervs	"	611.8393
¹ Punjab, India	history	954.5	vein	"	611.1493
	travel	915.45	Pylorus	"	611.334
Pupa	embryology	591.34	Pyramidal tract of myel		611.8252
Pupil of eye	anatomy	611.8421	Pyramidalis abdominis		611.7362
	physiology	612.8421	Pyramids	anatomy	611.8181
Pupillometers	"	612.84211		Egyptian	913.32
Pupin coils	telefony	621.38785		geometry	513.35
Puppet plays		792	Pyrenean sheep		636.346
Purchase			Pyrenees mts	travel	914.6
of animals	zootechny	636.08112	Pyrénées		
college degrees		378.26	¹ Orientales, Fr. hist.		944.89
farm		631.112	Pyrenomyces	botany	589.235
fertilizers		631.817	Pyrites	mineral	549.3
territory	pol. sci.	320.1267	Pyrografy		736

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Pyrometry temperature 536.52
 Pyrotecnics chem. tec. 662.1
 Pyrrhonism Gk philosophy 186.1
 Pythagorean philosophy 182.2
 Pythias, knights of sec.soc. 366.2

Quackery
 delusions 133.7
 medical state control 614.26
 Quadrant astron. instrum. 522.41
 ordnance " 623.4621
 Quadrate lobe anatomy 611.81318
 Quadrature
 integral calculus 517.33
 of circle geometry 513.21
 Quadratus femoris anat. 611.73819
 lumborum " 611.7368
 Quadric surfaces
 analytic geometry 516.42
 modern analytic geom. 516.58
 geometry 513.58
 Quadriceps femoris anat. 611.73822
 Quadrigeminal arms 611.8153
 Quadrigeminum anat. 611.8153
 physiol. 612.8265
 Quadrilateral
 adjustment of geodesy 526.52
 Quadrilaterals plane geom. 513.15
 Quadrumana zoology 599.8
 Quadrupeds " 599
 Quadruple expansion engines 621.11267
 Quadruplex
 telegrafs communica. 654.2
 elec. eng. 621.38234
 Quagga 636.184
 Quail shooting 799
 zoology 598.6
 Quakers lives 922.88
 persecutions 272.8
 sects 289.6
 Qualifications of
 library executiv 023.41
 staff 023.51
 trustees 023.33
 readers lib. econ. 024.1
 teachers education 371.11
 voters suffrage 324.1
 Qualitativ analysis chem. 544
 Quality
 metaphysics 111
 of food domestic econ. 641.31
 Quantics algebra 512.87
 Quantitativ analysis chem. 545
 Quantities bilding 692.5
 Quantity
 English prosody 426.1
 metaphysics 119
 meters elec. engin'g 621.3745

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- Quantity
of albuminoids in tissues 612.3978
 blood physiology 612.116
 in organs 612.189
 carbohydrates in tissues 612.3967
 clothing hygiene 613.482
 fat in food & tissues 612.3977
 lactic secretion 612.66431
 water in tissues 612.0144613
- Quarantine
administration 352.4
contagious disease 614.46
laws local government 352.4
- Quarries, prehistoric 571.21
- Quarrying min. engin'g 622.22
- Quarrymen's occupation 613.66
- Quartermasters mil. adm. 355.33
- Quarters, servants architect. 728.92
- Quartet sacred music 783.8
- Quartets vocal music 784.84
- Quartz lithology 552.45
 mineralogy 549.5
 receptacles chem. 542.231
- Quartzite lithology 552.45
- Quaternary age geology 551.79
- Quaternions mathematics 516.8
- Quays harbor engineering 627.3
- Quebec, Canada
 act Can. hist. 971.02
 city, Que. capture U.S. hist. 973.26
¹ history 971.4471
² co. " " 971.447
- Quebec
 Jersey cattle 636.2832
¹ province history 971.4
 travels 971.14
- Queen
 Anne architecture 724.5
¹ co. Md. history 975.234
 Anne's war U. S. " 973.25
¹ Charlotte ilands, B.C. hist. 971.1
¹Queens co. Ireland " 941.87
¹ New Bruns. " 971.542
¹ New York " 974.724
¹ Nova Scotia " 971.624
¹ P. E. I. " 971.74
 lives of 923.1
¹Queensland history 994.3
- Queenstown, battle
 U. S. war of 1812 973.5233
- Quercineae botany 583.976
- Quercy swine 636.445
- ¹Querétaro, Mexico history 972.4
- Quesnes de Bethune 841.15
- Questioning, art of educat. 371.35
- Questions, books of " 371.35
 on special subject see subject
- Quevedo Villegas, F. G. de
 Spanish satire 867.3
- Quicksand
 foundations architecture 721.11
- Quicksilver, *see* Mercury
- Quietism heresies 273.7
- Quietists, persecution of 272.5
- Quince 634.14
- ¹Quincy, Ill. history 977.344
 system education 371.47
- Quinet, Edgar Fr. essays 844.81
- Quinin therapeutics 615.75
- Quinones organic chem. 547.6
- Quinsy diseases 616.31
- Quintana, M. J. Span. poet. 861.51
- Quintilian Latin oratory 875.6
- Quohog fishery 639.4
- Quoits amusements 796
- Quota system suffrage 324.224
- Quotas U. S. civil war 973.7412
- ¹Quotations Eng. liter. 828
 gener. collec. 808.8
- Quotient, respiratory 612.231

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Rabbinic learning	Judaism	296	Radiolaria	zoology	593.14	
Rabbits	dom. animals	636.9	Radioscopy			
	zoology	599.3	diagnosis	pathology	616.077	
Rabelais, F.	French satire	847.32	Radiotelegrafy	elec. engin'g	621.3842	
Rabener, G.W.; Ger.	"	837.61	Radiotherapy	medicin	615.84	
Rabies	<i>see</i> Hydrophobia		Radioulnar joint, inferior		611.72741	
Racan, H. de B.	Fr. poetry	841.43		superior	611.72734	
Race			Radioulnaris proximalis		611.72734	
betterment		613.94	Radish		635.15	
horse amusements		798	Radium	inorgan. chem.	546.432	
	domestic animals	636.12	Radius	anatomy	611.7175	
influence on mind		136.4		vector astronomy	521.38	
mortality	public helth	614.144	¹ Radnor, Wales	history	942.96	
suffrage		324.15	sheep		636.3245	
Racemose cherries		634.24	Raffia	domestic econ.	646.185	
Races, coeducation of		371.99		fibers	633.582	
	hed and tail	621.29	Raft			
	movements of pol. sci.	323.1	bridges	engineering	624.87	
	of man	572	Rafts			
	zootechny	636.08211	ship equipment		623.86	
Rachel, Joachim	Ger. sat.	837.52	shipblding		623.8212	
Racine, Jean	Fr. drama	842.45	Rag gourd		635.627	
	Louis poetry	841.52	Ragged schools		377.7	
¹ Racine city, Wis.	history	977.597	Rags, control of	pub. helth	614.463	
¹ co.	"	977.596		disinfection	"	614.48
Racing			Rahbek, K. L.	Dan. poetry	839.8157	
amusements			¹ Rahway, N. J.	history	974.938	
boat		797	Raiids	fishes	597.3	
horse		798	Railroad			
ethics		175.7	accidents	pub. helth	614.863	
news journalism		070.446		transportation	656	
library econ.		024.58	corporations		385	
Rack			electric		621.33	
railways	engineering	625.33	engineering		625	
Radial artery	anatomy	611.13431		elevated	625.4	
muscles	"	611.7376	freight houses	archit.	725.32	
nerv	"	611.8337	government	admin.	351.812	
Radiant energy of sun		523.72	horse	mechan. engin'g	625.6	
matter		539.7	land grants	pub. finance	336.14	
points	meteors	523.53	law		385	
Radiates	paleontology	563.2	locomotivs		621.13	
	zoology	593.2	men	Y. M. C. A.	267.362	
Radiation of heat	physics	536.33	officials' lives		923.8	
	physiol.	612.52	passenger stations	arch.	725.31	
Radical axes	mod. geom.	513.54	passes, legislativ		328.347	
Radicals, chemic		541.6	rate regulation		385	
Radicular fibers of cord		611.8268	reports, state		385	
Radio, <i>see</i> Wireless			shops	architecture	725.33	
Radioactivity		539.7	transportation	business	656	
Radiocarpal joint	anat.	611.72744		sociology	385	
Radiochemistry		541.38	travel	protection of life	614.863	
Radioculture		631.5882	Railroading		656	
Radiografy			Rails	electric engineering	621.3332	
diagnosis	pathology	616.077		railroad	"	625.15

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- Rails shipbuilding 623.85
 Railway
 bridges engin'g 624.12
 cookery 641.576
 employees suffrage 324.247
 guides transportation 656
 stations, care of 647.9631
Railways, military 623.63
 Rain
 agric. hindrances 632.16
 protection against zoot. 636.08366
 Rainfall farm economics 631.11
 meteorol. 551.57
 Rainless regions " 551.58
¹Rainy River dist. Ont. hist. 971.311
Raising library funds 021.9
¹Rajputana, India history 954.4
 Rakes, garden 631.3156
 hay 631.3532
 Raking 631.515
 Raleigh, W. discov. of Am. 973.17
¹Raleigh co. W. Va. history 975.473
¹Ralls co. Mo. history 977.8355
Ram, hydraulic engin'g 621.27
 physics 532.83
 Rambouillet sheep 636.3674
 Ramelsloher fowls 636.533
 Ramie agriculture 633.55
 botany 583.962
 Rammers artillery 623.463
 Ramsay, Allan Eng.poet. 821.54
 Ramsour Mills, N.C. Am.rev. 973.3361
 Ramus of mandible anat. 611.71643
Ranales botany 583.11
 Ranch, cattle 636.2
 Ranches zootechny 636.0813
 Randolph, John Am.orat. 815.24
¹Randolph co. Ill. history 977.392
¹ Ind. " 977.266
¹ Mo. " 977.828
¹ W. Va. " 975.485
 Range
 domestic economy 643.33
 finders ordnance 623.4625
 scales " instr. 623.4621
Rank heraldry 929.7
 pol. sci. 323.31
Ranks, special education 371.96
 Ranunculaceæ botany 583.111
 Ranvier's nodes histology 611.0188
 Rapateaceæ botany 584.3934
 Rape agriculture 633.42
 botany 583.123
 law 343
 Raphia fibers 633.582
 Rapidfire guns ordnance 623.4223
 Rapidity of flow of blood
 physiology 612.15
 Rapisardi, M. Ital. poetry 851.86
 Rappists sects 286.7
 Raptores birds 598.9
 Rare
 binding book rarities 095
 books lib. restrictions 024.672
 earths inorgan. chem. 546.6
 illustrations rarities 096
 printing " 094
Rarissima " 090
¹Raritan, N. J. history 974.972
Rarities bibliograpy 090
 lib. admin. 025.171
 Rasores birds 598.6
Raspberries 634.711
 Rat disease carrier 614.43
 domestic economy 648.7
 noxious animal 591.68
 zoology 599.3
 traps dom. economy 648.7
 Ratchet gearing engin'g 621.837
 Ration
 during growth physiol. 612.394
 for adults " 612.395
Rational feeding zootech. 636.0844
 Rationalism nat. theology 211
 Rationalistic age relig.hist. 270.8
 Rationalists, apologetics agst 239.7
 Rations zootechny 636.08441
 Rattan fibers 633.588
 Rattlesnake zoology 598.12
 Rauch, H. J. Dan. drama 839.8231
 Raven zoology 598.8
 Raw
 materials, duties on 337.6
 mil. resources 355.24
¹ Ray co. Mo. history 977.819
 system school gov't 371.595
 Reaction of blood physiol. 612.121
 time psychometry 612.8211
 Reactors elec. engin'g 621.3146
 Read, T: B. Am. poetry 811.35
 Readers
 aids library economy 028
 ³ elementary, Eng. lang. 428.6
 librarian's relations to 023.43
 qualifications lib. econ. 024.1
 rules " " 024
 ³ selections Eng. language 428.7

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Reading			
and aids	028		
art of	808.5		
books, higher, English	820.8		
clubs		lib. relations	021.41
		self education	374.22
courses	028.3		
desks		offis equipment	651
elementary education	372.4		
first		legislation	328.3741
for the young	028.5		
lists, school		educ.	371.643
of librarians	023.535		
library executiv	023.42		
private		self education	374.1
proofs		printing	655.25
room rules		lib. econ.	024.51
rooms, branch		lib. bldgs	022.17
		free, library econ.	027.9
		laboring classes	331.85
		library economy	022.5
		Y. M. C. A.	267.3533
second		legislation	328.3741
third		"	328.3743
Readings, halls for		archit.	725.83
Ready-reckoners	658		
Reagents		chem. anal.	544.11
Real			
character		universal lang.	408.9
estate		law	347.2
		taxation	pol. econ. 336.22
presence		theology	265.3
property		law	347.2
Realism		philosofy	149.2
Realty		law	347.2
Reamers		machine tools	621.954
Reapers		agriculture	631.354
		steam engin'g	621.146
Reaping			631.554
		hook	631.3511
Reapportionment			
		representat'n	328.3345
Reason			
in animals		zoology	591.51
intuitiv faculty	156		
natural theology	210		
physiologic psychology	612.8213		
Reasoning faculty	153.6		
Rebellion			
Canadian history	971.038		
1717, 1745		Irish hist.	941.57
political science	323.2		
southern		U. S. hist.	973.7
Reboul, Jean		Fr. poetry	841.75
Rebuses		amusements	793
Recall		administration	351.9
Receipt, <i>see</i> Receipt			
Receipt			
books		cookery	641.5
index		library economy	025.236
Receits			
library economy	020.83		
finance	025.114		
medicin	615		
useful arts	602		
workshop	chem. tech. 660		
on special subjects		<i>see</i> subject	
Receivers		law	347.7
		telephone	621.3863
		telegraf	621.3833
Receiving vaults		archit.	726.8
Recent period		geology	551.791
Receptacles		prac. chem.	542.23
for butter			637.2351
milk			637.1327
plants			631.346
Receptaculum chyli		anat.	611.423
Reception			
of goods		lib. economy	025.233
room		dom. "	645.62
Receptions		" "	642.43
Recesses in schools			371.24
		legislativ bodies	328.355
Recessional		cathedral serv.	783.29
Recipe books		cookery	641.5
Recipes, <i>see</i> Receipts			
Reciprocal			
polars		analytic geom.	516.55
		modern "	513.55
Reciprocating		steam engines	621.112
Reciprocity		free trade	337.9
Recitation rooms		archit.	727.1
Recitations		education	371.32
Recitative		music	784.2
Reclamation			
drainage		agriculture	631.6
		engineering	627.5
irrigation		agriculture	631.7
		engineering	626.8
Recognition hereafter			
		doctrinal theology	237
Recoil			
mechanism		ordnance	623.4356
mounts		mil. engin'g	623.574
Recommendations			
legislativ procedure			328.372
Reconnaissance		geodesy	526.31
Reconstruction		U. S. hist.	973.8

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- Record**
 accession lib. econ. 025.241
 clock library econ. 023.611
 offices architecture 725.15
 Recorders, telegraf 621.3833
 Recording meters, elec. 621.373
 Records, legislativ 328.363
 school 371.2
 Recreation
 bildings architecture 725.8
 hygiene 613.7
 rooms lib. bildings 022.66
 Recreations
 hygiene 613.74
 laboring classes 331.84
 school hygiene 371.74
 Recreativ arts 790
 Recruiting mil. science 355.22
 Rectangular coordinates
 spheric astronomy 522.72
 Recti capitis anatomy 611.7319
 Rectifiers electric eng. 621.3137
 Rectilinear motion dynam. 531.31
 Rectum
 administration of med. 615.62
 anatomy 611.35
 diseases 616.35
 physiology 612.366
 Rectus
 capitis anticus major anat. 611.7337
 minor " 611.7338
 lateralis " 611.7319
 femoris " 611.73822
 Recuperators gun mounts 623.4357
 Red
 Bank, N. J. Am. revol. 973.3337
 cattle, polled 636.2264
 shorthorn 636.2225
 corpuscles physiology 612.111
 proportion 612.1128
 Cross societies charities 361
 Great war 940.4771
 globules of blood physiol. 612.111
 kafir 633.177
 pepper 633.842
 raspberries 634.714
 river
 campain U.S.civ.war 973.7363
 exped. " " 973.754
 rebellion Can. hist. 971.051
¹ river settlement, Can. hist. 971.27
 trav. 917.127
 sea physical geografy 551.467
- Red**
 swine, Berkshire 636.4263
 Jersey 636.483
 Tamworth 636.4262
 top 633.23
 vegetable dyes 633.863
 Redcap poultry 636.525
 Redemption theology 234.3
 Redemptionists mon. orders 271.79
 Redemptorists " 271.6
 Reds, shorthaird goats 636.396
 Reduced wages pol. econ. 331.5
 Reducing valvs steam eng. 621.1854
 Reduction
 in organisms phys.chem. 612.01536
 of results geodesy 526.75
³Reduplication Eng.etymol. 422.3
 Redwood botany 585.2
 Redy reckoners 658
 Reed wind instruments 788.9
 Reeds 633.586
 Reefs, coral geology 551.96
 Reenberg, Töger Dan.poet. 839.8142
 Reference
 books library admin. 025.5
 restricted lib. econ. 024.671
 use of aids 028.7
 department lib. econ. 025.5
 hours " " 024.36
 exact literary methods 029.1
 room lib. bildings 022.53
 staff " economy 023.73
 use of libraries 024.5
 References, reader's 024.14
 Referendum legislation 328.264
 polit. science 321.4
 Refiners' occupation hyg. 613.62
 Refining cheesemaking 637.3332
 oil public helth 614.724
 Reflecting
 circle astron. instrum. 522.41
 instruments optics 535.87
 telescopes astron. 522.21
 Reflection heat 536.31
 light 535.3
 mental faculty 153.4
 Reflections perspectiv 515.64
 Reflex action physiology 612.833
 zoology 591.18
 Reflexes
 cardiac physiology 612.1786
 psychic " 612.8216
 respiratory " 612.288

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Reform		
bill, 1832 Eng. suffrage	324.42	
civil servis	351.6	
legislativ bodies	328.394	
prison sociology	365	
schools	364	
architecture	725.64	
education	371.93	
sociology	301	
² spelling Eng. language	421.4	
suffrage	324.28	
Reformation		
age of Europ. history	940.22	
German history	943.03	
religious "	270.6	
Scandinavian history	948.04	
Swiss history	949.403	
Reformatories		
architecture	725.6	
hygiene	613.57	
inebriate	362.8	
Reformatory associations	364	
Reformd		
church, Dutch	284.1	
in Amer.	285.7	
episcopal church	283	
presbyterian "	285.5	
Reformers biography	923.6	
Refracting		
media of eye anat.	611.844	
physiology	612.844	
telescopes	522.22	
Refraction		
heat	536.32	
ocular physiology	612.844	
ophthalmology	617.75	
optics	535.3	
practical astronomy	522.92	
Refractometers optics	535.3	
quan. anal.	545.8	
Refractory period		
brain physiol. psych.	612.8211	
hart physiology	612.1723	
reflexes compar. physiol.	612.82932	
physiology	612.833951	
Refreshment hild'gs arch.	725.7	
Refreshments dom. econ.	642.2	
Refrigeration		
apparatus dairy	637.1321	
mechanical engin'g	621.56	
shipbuilding	623.826	
Refrigerators dom. econ.	643.37	
Refuge, houses of	364	
Refuse, see Waste		
Regaldi, G. Ital. poetry	851.77	
Regattas amusements	797	
college and sch.	371.75	
Regencies Eng. admin.	354.4203	
const. hist.	342.429	
Regeneration		
of bone physiology	612.753	
liver "	612.359	
muscle "	612.7465	
nervs physiology	612.8185	
physiologic zoology	591.16	
physiology	612.603	
theology	234.4	
Regents library gov't	023.3	
Reggio di Calabria, Italy		
¹ history	945.79	
travel	914.579	
Regicides biography	923.41	
Regimen hygiene	613	
Regiment mil. science	355.31	
Regimental hist. U.S. civ. war	973.744-49	
Regiments, history of state	353.9	
Regional anatomy	611.9	
surgery	617.5	
Registers, family	929.3	
of births	929.3	
deeds law	347.2	
servants	647.29	
U. S. army officers	353.6	
navy "	353.7	
Registration		
of conveyances law	347.2	
land Torrens system	333.3	
readers lib. economy	024.15	
public helth	614.1	
statistics	311	
system suffrage	324.242	
Regnard, J: F. Fr. satire	847.47	
Regnault gasometers chem.	542.75	
Regnier, Mathurin Fr. sat.	847.35	
Regular		
army U. S. civ. war	973.7411	
and navy union	369.111	
vet. soc.	369.112	
baptists sects	286.1	
Regulation		
of animal heat physics	612.53	
medical practis	614.25	
voltaic current eng.	621.3527	
Regulations		
army military science	355	
navy naval "	359	
readers library econ.	024	

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Regulators			Religion	200
feedwater	steam eng.	621.1972	and education	377
potential	elec. eng.	621.3145	science	apologetics 239.8
sewerage		628.258	nat. theol.	215
vacuum	prac. chem.	542.77	Christian	200
see also special subject			comparativ	290
Reid, T:	British philos.	192.5	natural	210
	intuitionalism	143	practical	240
Reign of terror	Fr. hist.	944.044	suffrage qualifications	324.15
Reil, iland of	anatomy	611.81319	Religions, non-Christian	290
Reinaert	Dutch satire	839.371	Religious	
Reincarnation		129.4	anecdotes	244
Reindeer			architecture	726
domestic animals		636.294	art	246
milk cheese		637.3553	associations	206
ship	U. S. war of 1812	973.5255	general, for activ work	267
zoology		599.7	local parish work	256
"Reineke Vos"	Ger. satire	837.31	of special sects	280
Reinforced			on special subjects see subj.	
blocks	roads	625.87	biografy	922
concrete	engin'g	620.137	ceremonies	ritual 264
Reissner's fibers	anat.	611.828	sacraments	265
Rélapsing fever	diseases	616.924	controversy	270
Relations			on special subjects see subj.	
domestic, political science		323	days	lib. econ. 024.42
foren	" "	327	special cookery	641.566
international		327	education	377
of capital and labor		331.1	of clergy	207
church and state			festivals	264
ethics		172.3	fiction	244
pol. sci.		322	history	270
religion		261.7	institutions	260
librarian and staff		023.55	liberty	261.7
to public		023.43	life	Great war 940.478
teachers to community		371.104	U. S. civ. war	973.778
parents		371.103	limitations	cookery 641.565
Relationship		929.1	orders, monastic	271
Relativ			painting	art 755
location	lib. econ.	025.8	ecclesiology	247.5
majority	suffrage	324.263	poetry	245
pronouns	Eng. etymol.	422.7	sects	280
syntax		425.7	societies see associations	
Relays, telegraf	elec. eng.	621.38321	symbolism	246
Releasing-gear engines		621.1644	Remainder sales	
Relics	miracles	231.7	books	bookselling 655.56
Relief			library buying	025.223
corps, women's		369.161	Remains	paleontology 560
decoration in	architec.	729.5	Remedies, legal	347.95
bilding		698.8	pathology	616
maps	phys. geog.	551.4	therapeutics	615.5
special regions		914-919	zootchny	636.0895
union, woman's veteran		369.162	Remittent fever	pub. helth 614.532
work	charity	361	Remonstrants	sects 284.9
parish		258		

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Remuneration			Reporting journalism	070.42
library economy	023.8		shorthand	653.046
political "	331.2		Reports, law American	345.4
Renaissance			British	346.4
architecture	724.1		library administra.	025.123
European history	940.21		mining	622.009
fine arts	709		see also special subject	
religious history	270.5		Repoussé work fine arts	739
sculpture	735		roofs	721.56
Renal			Representation	324.22
artery anatomy	611.1367		American revolution	973.3114
circulation physiol.	612.4634		legislatures	328.334
diseases	616.61		Representativ gov't pol.sci.	321.8
function pathol. changes	612.466		Reprisal international law	341.3
nervs anatomy	611.8393		Reproduction	
veins anatomy	611.1462		botany	581.16
Renan, Ernest Fr. essays	844.82		embryology	581.3
Renard the fox Dut. satire	839.371		Reproduction	
Fr. "	847.12		human embryology	611.013
Ger. "	837.31		physiology	612.6
legends	398.2		zoology	591.16
Rendering works air pollu.	614.742		embryology	591.3
Renewals legis. membership	328.3356		zootechny	636.0824
lib. econ.	024.64		Reproductiv power psych.	154
Renfrew, Scotland hist.	941.41		Reptils paleontology	568.1
co. Ont. "	971.381		zoology	598.1
Rennet cheesemaking	637.3331		Republic	
cheese	637.355		French history 1st	944.042
cow's milk	637.351		ad	944.07
Rensselaer co. N. Y.	974.741		3d	944.08
Rent			German history	943.085
farm economics	631.113		political science	321.8
of state property	336.11		Roman history	937.02
political economy	333		Spanish "	946.08
Renting farm systems	631.1154		Republican	
Rents, pew cleric support	254		institutions	321.8
Repair of waste			party. U. S.	329.6
physiol. zoology	591.136		Republicans U. S. history	973.4
physiology	612.395		" "	973.66
ships shipbuilding	623.826		" "	973.7
Repairs bilding laws	692.9		" "	973.8
dom. econ.	643.7		" "	973.911-2
road engin'g	625.76		Republics, Ital. history	945.04
Repeated stress engin'g	620.11246		pol. sci.	321.5
Repeaters			Repudiation finance	336.36
duplex telegraf	621.38325		Repulsion motors engin'g	621.31366
half "	621.38326		Repulsiv force astron.	523.17
simplex "	621.38324		Required majority legislat'n	328.375
Repeating			Reredos fixt furniture	729.96
election frauds	324.272		sacred "	247.2
rifles small arms	623.4423		Resaca de la Palma. battle	973 6234
Repentance doctrin	234.5		Research	
Repetitions, method geod.	526.56		endowment education	378.32
Replevin law	347.95		psychic mind and body	130

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Rescue from drowning	614.811	Respiration	
of shipwreck	614.868	animals	591.12
Resection surgery	617.94	cutaneous physiology	612.793
Resedacæ botany	583.133	effect of facial nervs on	612.81973
Resemblance		vagus	612.81991a
protectiv zoology	591.57	on blood pressure	612.1461
Resen, Peder Dan. misc.	839.883	temperature	612.534
Reservation of bks lib.econ.	024.66	physiology	612.2
Reservoirs		Respiratory	
irrigation agriculture	631.71	exchanges and indirect	
sewerage	628.28	calorimetry	612.5123
waterworks	628.13	movements physiology	612.21
Residence		organs comp. anat.	591.42
compensation of teachers	371.164	descriptiv anat.	591.72
eligibility legis. bodies	328.331	system anatomy	611.2
of readers lib. rules	024.12	diseases of	616.2
requirement for degree	378.241	drugs acting on	615.72
rooms lib. bldgs	022.69	physiology	612.2
suffrage qualifications	324.16	surgery	617.42
Residences architecture	728	Responsibilities	
official arch.	725.17	of library executiv	023.43
Residual calculus	517	teachers	371.101
Residues		Responsibility	
animal fertilizers	631.843	human doct. theol.	233.4
industrial zootechny	636.08557	ethics	171
vegetable fertilizers	631.876	of readers lib. econ.	024.14
Resignations		Responsiv	
legislativ bodies	328.3357	choral servis	783.24
Resins		readings public worship	264.4
chemic technology	668.4	Rest	
fossil economic geol.	553.29	and sleep hygiene	613.79
gathering	631.5568	cure therapeutics	615.85
Resistance		laboring classes	331.81
boxes elec. engin'g	621.3742	phvsiology of	612.7662
electric, of skin physiol.	612.795	Restaurants architecture	725.71
meters elec. engin'g	621.3742	cookery	641.572
of materials engin'g	620.11	dom. econ.	647.95
mol. phys.	539.4	table systems	642.5
water hydraulics	532.58	Restiaceæ botany	584.83
Resisting medium		Restif da la Bretonne, N. E.	843.57
descriptiv astron.	523.15	Restiform bodies anat.	611.8182
theoretic "	521.44	'Restigouche co. N. B. hist.	971.511
Resolutions		Restis anatomy	611.8182
joint legis. procedure	328.377	Restitutions lib. econ.	024.87
Resonators acoustics	534.4	Restoration	
Resorts		English history	942.066
bldings hygiene	613.5	French "	944.06
helth "	613.12	of citizenship pol. sci.	323.64
summer architecture	728.52	the Jews	296
Resources		Restriction	
military	355.2	election contributions	324.273
national conservation	339	of books lib. econ.	024.67
natural "	333	contagious diseases	614.44

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Restrictions			
on legislation	pol. sci.	328.256	
legislators		328.34	
Results of			
civil war	U. S. hist.	973.71	
election	suffrage	324.26	
Great war		940.314	
Mex. war	U. S. hist.	973.621	
revolution	"	973.31	
Spanish war	"	973.891	
war of 1812	"	973.521	
Resumption			
of specie pay't	U.S.hist.	973.83	
U. S. finance		336.73	
Resurrection	Christology	232.5	
	doct. theol.	236.8	
Resuscitation of the drowned		614.812	
Retail stores	architecture	725.21	
Retaining walls		624.1	
Retardation	plant culture	631.545	
Reticula	spinal cord	611.8226	
Reticular tissue	histology	611.01824	
Reticulum	"	611.01824	
Retina	anatomy	611.843	
	eye diseases	617.73	
	physiology	612.843	
Retirement from mil. servis		355.114	
Retorts, glass	prac. chem.	542.231	
porcelain	" "	542.232	
Retrahens muscle	anat.	611.7324	
Retreats, religious		269	
Retribution	doct. theol.	237.6	
Retroauricular glands		611.4632	
Retroperitoneal fossae		611.384	
Retropharyngeal glands		611.4636	
Retrovaccination	cont.dis.	614.4737	
Return systems	elec. trac.	621.33217	
Returns			
butter business		637.218	
cheese	"	637.318	
dairy	"	637.118	
farm finances		631.18	
zootechny		636.01818	
Reuchlin	medieval philos.	189.5	
Reunion	public order	351.752	
Reuss, Germany	history	943.28	
Revaccination	contag. dis.	614.4734	
Revaccinization	" "	614.4736	
Revelation, book of	Bible	228	
	divine	231.6	
Revenue			
cutters	shipblding	623.826	
legislativ power		328.341	
state finance		336	
Reverberatory furnaces		542.42	
Reversible plow		631.3124	
Reversionary			
payments	finance	336.35	
	insurance	368.31	
² Reviews, see subject reviewd			
Revised			
statutes	Amer. law	345.2	
version	Eng. Bible	220.52	
	New Test.	225.52	
	Old "	221.52	
Revision			
of electoral lists		324.241	
	English Bible	220.52	
Revival			
Gothic	architecture	724.3	
Grecian	"	724.2	
of letters, literary hist.		809	
Romanesque arch.		724.8	
Revivals			
army	U. S. civ. war	973.778	
music		783.7	
religious		269	
Revisiscent animals		612.0144611	
Revolts			
internal relations	pol. sci.	323.2	
Revolution			
American history		973.3	
daughters of the		369.136	
English, 1688	history	942.068	
form of state		321.092	
French, 1789	history	944.04	
	1830	"	944.063
	1848	"	944.07
of the earth	astronomy	525.35	
sons of the		369.134	
territorial	expansion	320.1269	
Revolutionary societies		369.13	
Revolutions	internal rela.	323.2	
Revolvers			
manufacture		683	
military efficiency		623.4434	
Revolving book cases		022.914	
	cranes	engin'g	621.873
	harrow		631.3135
Rewards			
and punishments	theol.	233.4	
military		355.13	
school		371.53	
Reynard the fox	Dut. sat.	839.371	
	Fr. "	847.12	
	Ger. "	837.31	
	legends	398.2	
¹ Reynolds co. Mo.	history	977.8885	

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- Rhaetia ancient history 939.84
4Rhaeto-Romansch language 459
 Rhamneæ botany 583.275
 Rhenish
 1 Bavaria, Germany hist. 943.43
 1 Prussia " " 943.42
 Prussian horse 636.143
 sheep 636.3334
 Rheostats elec. eng. 621.3174
 Rhetoric 808
 sacred homiletics 251
 Rheumatic fever diseases 616.991
 Rheumatism " 616.991
 Rhine
 Confederation 943.06
 travel 914.34
 Rhinencephalon anat. 611.8133
 Rhinoceros zoology 599.7
 Rhinology anatomy 611.86
 diseases 616.21
 physiology 612.86
 Rhinoplastic operations 617.95
 Rhizophoreæ botany 583.411
 Rhizopoda zoology 593.11
 1Rhode Island U. S. hist. 974.5
 For military history, see sub-
 divisions of Special campaigns
 and Military history under
 973.3, 973.7 and 973.89
 Rhode Island red fowls 636.584
 Rhodes ancient history 939.16
 knights of 929.711
 1 modern hist. 949.96
 scholarships 378.34
 1Rhodesia, Africa hist. 968.9
 Rhodium inorgan. chem. 546.97
 Rhododendron botany 583.62
 Rhombencephalon, isthmus 611.816
 Rhomboid ligament anat. 611.7271
 muscles " 611.73113
 Rhomboidal sinus " 611.828
 1Rhône, France history 944.58
 Rhône ducks 636.5974
 sheep 636.3336
 Rhubarb gardening 635.49
 8Rhymes English prosody 426.6
 8Rhyming dictionaries, Eng. 426.6
 Rynchota insects 595.75
 pests 632.75
 Rhyolite lithology 552.25
 Rhythm
 cardiac physiology 612.1722
 in reflexes " 612.82932
 respiratory " 612.216
 Ribaceous fruits 634.72
 Ribault, J: discov. of Amer. 973.18
 Ribs anatomy 611.712
 Rice
 cereals agriculture 633.18
 corn " 633.178
 Richard 1 Eng. history 942.032
 2 " " 942.038
 3 " " 942.046
 of Cornwall, Ger. his. 943.025
 Richardson, S: Eng. fic. 823.61
 1Richelieu co. Que. history 971.451
 river, Que. travel 917.145
 1Richland co. Ill. history 977.377
 1 O. " 977.128
 1 Wis. " 977.575
 1Richmond, Ind. hist. 977.263
 Va.
 For military history, see sub-
 divisions of Special campaigns
 under 973.7
 1 co. New York hist. 974.726
 1 Nova Scotia " 971.696
 1 Que. " 971.465
 Richter, J: P. F; Ger. fic. 833.62
 Rickets diseases 616.996
 Riddles amusement 793
 popular life 398.6
 Rideau lakes, Ont. travel 917.1373
 Riding
 cultivator 631.3163
 habits clothing 646.47
 halls and schools arch. 725.88
 plow 631.3122
 recreations 798
 roller 631.3141
 school hygiene 371.736
 Riel's rebellion 1st Can. hist. 971.051
 2d " " 971.054
 Rife
 manufacture 683
 military engineering 623.442
 equipment 355.82
 shooting amusement 799
 Rifled ordnance mil. eng. 623.42
 Rifling mil. engin'g 623.4236
 Rigging shipbuilding 623.86
 Right
 ascension, variations of 521.27
 hart anatomy 611.123
 hereditary legis. bod. 328.3352
 lines analytic geometry 516.11
 loci in space " 516.31
 plane geometry 513.11

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Right			
of assembly	pol. sci.	323.7	
petition	"	323.8	
search	internat. law	341	
standard of	ethics	171	
Righteousness	pers. relig.	248	
Righthandedness		612.76	
Rights			
and liberties	const. law	342	
civil,	<i>see</i> Civil rights		
land	political economy	333	
of aliens	pol. sci.	323.67	
political science		323	
water	pol. econ.	333.9	
Rigid			
dirigibles	aeronautics	629.155	
suspension	bridges	624.53	
Rigor mortis	physiology	612.742	
of muscles	physiol.	612.7461	
Rima glottidis	anat.	611.225	
¹ Rimes	English prosody	426.6	
¹ Riming	dictionaries, Eng.	426.6	
¹ Rimouski co. Que.	history	971.477	
Rinderpest	veterin. med.	619.2	
Ring shell	ordnance	623.4515	
¹ Ringgold co. Ia.	history	977.787	
campaign	U.S.civ.war	973.7359	
Ringling	agriculture	631.54224	
Rings			
boiler	steam engin'g	621.18453	
finger	costume	391.7	
sacred ornaments		247.6	
strength of materials		620.11286	
Ringwaldt, B. Ger.	poetry	831.45	
Ringworm	diseases	616.57	
Rinks			
bicycle	architecture	725.86	
ethics		175.1	
skating	architecture	725.86	
Rinuccini, O. Ital.	dram.	852.52	
Rio Grande	campaign	973.6234	
¹ Rio Janeiro	history	981	
travels		918.1	
Rioja, F. de	Spanish poetry	861.38	
Rios, J. A. de los "	misc.	868.52	
Riots			
internal relations	pol. sci.	323.2	
law		343	
local,	<i>see</i> name of place		
state control		351.752	
Riparian rights	pol. econ.	333.9	
Ripening			
buttermaking		637.2337	
plant growth		631.5476	
¹ Ripley co. Ind.	history	977.214	
¹ Mo.	"	977.8894	
Ripplemarks	geology	551.83	
Ritchie, A.C.M.	Am. dram.	812.31	
¹ Ritchie co. W. Va.	hist.	975.424	
Rites and ceremonies		394.4	
Ritual	public worship	264	
Ritualism		264	
Rivadeneira, Pedro de		868.35	
River			
boats	shipblding	623.824	
crossing	sewerage works	628.26	
engineering		627	
transportation	sociology	387	
Rivers			
engineering		627.1	
frontiers	pol. sci.	320.1284	
hydraulics		532.54	
physical geograpy		551.48	
pollution	sanit. eng.	628.541	
water supply		628.11	
¹ Riverside co. Cal.	hist.	979.497	
Riveted joints	mech. eng.	621.884	
plumbing		696.4	
Riveting tools	mech. eng.	621.97	
Rivets			
mechanical eng.		621.884	
plumbing		696.4	
strength of materials		620.11287	
Ro	universal language	408.9	
Roaches	pests	632.72	
Road			
bed	highway engin'g	625.73	
railroad	"	625.12	
systems	highway eng.	625.71	
Roadrollers	gas engines	621.4382	
roadmaking		625.7	
steam engines		621.145	
Roads			
agriculture		631.28	
and pavements	engin'g	625.7	
cable	"	625.5	
elevated	"	625.4	
engineering	"	625.7	
military	mil. eng.	623.62	
stone	engineering	625.86	
Roan ducks		636.5974	
¹ Roane co. W. Va.	history	975.436	
Roanoke island, N. C.			
battle	U. S. civ. war	973.7324	
naval hist.	"	973.752	
Roasting	cookery	641.71	
Robbers	biograpy	923.41	
Robbery	criminal law	343	

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- Robert ² French history 944.021
of Gloucester 821.13
- Robin Hood Eng. ballads 821.04
legends 398.2
- Robinsonaden Ger. fiction 833.54
- Rocaberti, Fra Catalan lit. 849.912
- ¹Rochester, N. Y. history 974.789
- ¹Rock co. Ill. history 977.339
¹ Wis. " 977.587
- Rock
analysis chemistry 543.6
blasting engineering 622.23
carvings archeology 571.73
crystal, *see* Quartz
drills machine tools 621.952
foundations architecture 721.11
minerals determination 552.81
natural fertilizers 631.851
salt economic geology 553.63
structure lithology 552.82
- Rock Island, Ill. history 977.339
- Rockets, signal mil. eng. 623.45444
- ¹Rockford, Ill. history 977.331
- ¹Rockingham co. N. H. hist. 974.26
- ¹Rockland co. N. Y. " 974.728
- Rocks
cleavage of geology 551.84
conductivity of " 551.14
lithology 552
polarity in geology 551.84
- Rocky mts, U. S. travel 917.8
Canada " 917.12
- Rococo
style architecture 724.19
- Rodentia zoology 599.3
- Rodolph ¹ Ger. history 943.026
² " " 943.034
- Rodriguez Rubi, Tomas 862.52
- Rods
glass prac. chemistry 542.231
steam locomotiv 621.1341
strength of materials 620.11282
- Roentgen rays, *see* X rays
- Roig, Jacme Catal. poetry 849.9133
- Rojas y Zorrilla, F. de 862.36
- Roland
chanson de Fr. poetry 841.11
legends 398.2
- Rolando's
fasciculus cord 611.8261
medulla 611.8182
groove cerebrum 611.81312
- Roll call
legislativ procedure 328.375
- Rollenhagen, G; Ger. poetry 831.46
- Roller
bearings mech. eng. 621.822
shelvs 022.46
- Rollers engineering 620.11284
farm machinery 631.314
- Rolling
bridges engineering 624.85
friction mechanics 531.45
mills manuf'g plant 621.77
metal manuf. 671
stock electric. eng. 621.334
railway " 625.2
tillage 631.515
- Rolls
of honor military 355.1
schools 371.53
pianola lib. economy 025.178
- Romagnole swine 636.45
- ⁴Romaic language 489
⁵ literature 889
- Roman
architecture 722.7
art 709.37
baths hygiene 613.46
catholic church 282
catholics biografy 922.2
dominion in Spain 946.01
empire 937.06
Holy 943
history, ancient 937
¹ modern 945.6
inquisition persecutions 272.2
law 349.37
literature 870
mythology 292
orders monastic orders 271
of architecture 729.32
republic history 937.02
sculpture 733
supremacy relig. history 270.4
- Roman de la Rose Fr. poet. 841.18
du Renard " satire 847.12
- ⁵Romance, English 823
languages 479
literatures 879
religious 244
- Romances, Los Sp. poetry 861.26
- Romanesque
architecture 723.4
revival architecture 724.8
- Romanism 282
- Romanos, R. M. de Span. lit. 863.52
- Romans, epistle to Bible 227.1

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Romans d'aventures			
Provençal poetry	849.123		
⁴ Romansh language	459.9		
literature	859.9		
Romantic orchestral music	785.3		
piano music	786.43		
vocal "	784.3		
Romany gipsies	397		
Rome			
ancient history	937		
church of	282		
missions	266.2		
theology	230.2		
city, ancient hist.	937.6		
modern "	945.6		
travels	914.56		
Römer, Ole Dan. misc.	839.883		
Romish church	282		
Romney marsh sheep	636.3215		
Rondo piano music	786.41		
Ronsard, Pierre de Fr.poet.	841.34		
Röntgen rays, <i>see</i> X rays			
Rood screen fixt furniture	729.96		
sacred "	247.2		
Roof			
gardens dom. economy	645.8		
nuclei anatomy	611.81713		
of mouth "	611.315		
Roofs			
architectural design	729.35		
construction architect.	721.5		
coverings bilding	695		
engineering	624.9		
Rooms			
library, in other bilding	022.37		
plans	022.342		
school	371.62		
special lib. bildings	022.6		
Root			
crops field	633.4		
garden	635.1		
harvesting	631.5564		
cuttings	631.5356		
grafting	631.54141		
maggots pests	632.77		
suckers	631.5331		
washers	631.3626		
Roots edible	635.1		
perfumes	633.815		
Rope			
hemp mill gearing	621.853		
making	677		
suspension bridge	624.52		
walking entertainment	791		
Rope			
wire mill gearing	621.854		
strength of	620.11288		
Roquefort cheese	637.3551		
Rosa, Salvatore Ital. satire	857.55		
Rosaceæ botany	583.37		
Rosales "	583.3		
¹ Roscommon, Ireland hist.	941.75		
co. Mich. "	977.476		
Roscommon sheep	636.3219		
Rose botany	583.37		
culture	716.2		
perfume plants	633.811		
apple fruits	634.422		
Rosemary perfume plants	633.812		
Rosenkranz, H. Dan. misc.	839.883		
Rosenmüller's organ anat.	611.6676		
Rosenstein cattle	636.2452		
Roses, wars of Eng. hist.	942.04		
Rosetta stone			
Egyptian inscriptions	493.117		
Greek "	481.7		
Rosetti, D. G. Eng. poetry	821.84		
G. Ital. "	851.72		
Rosicrucians secret soc.	366.4		
Rosini, Giovanni Ital. fic.	853.71		
Rosminian fathers	271.79		
¹ Ross co. O. history	977.182		
Scotland hist.	941.16		
Rota, Bernardino Ital. poet.	851.42		
Rotary			
blowers engineering	621.62		
converters elec. engin'g	621.31357		
engins engin types	621.11296		
stationary	621.166		
pumps engineering	621.66		
spaders	631.3115		
Rotation			
in offis U. S. history	973.56		
of earth	525.35		
hevenly bodies	521.15		
sun	523.73		
physics	531.34		
Rotatores muscle anat.	611.73168		
Rote teaching education	371.31		
Rotgans. L. Dutch poetry	839.3141		
Rötheln public helth	614.524		
Rotifera zoology	595.1		
Rotor			
steam turbin design	621.16534		
stresses steam turbins	621.16514		
Rotten			
boros representation	328.3345		

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index.

¹ Rotterdam	history	949.2	Rubies	cattle	636.2261
	travel	914.92		econom. geol.	553.8
Roucher, J. A.	Fr. poetry	841.55		manufacture	666.8
¹ Rouen, Fr.	history	944.25	Rubrics	Anglican ritual	264.032
	travel	914.425	Rucellai, G.	Ital. poetry	851.33
Rouen ducks		636.5974	Rückert, F.	Ger. poetry	831.74
Roulette	amusements	795	Rudbeck, Olof	Swed. misc.	839.7831
	ethics	175.5	Rudder	shipbuilding	623.85
Roulettes	anal. geom.	516.26	Rugosa	zoology	593.61
¹ Roumania	history	949.8	Rugs	domestic economy	645.1
⁴ Roumanian language		459.9		library	022.964
	swine	636.474		manufactures	677
Roumanille, J.	Proven. poet.	849.144		oriental	745
Round			Ruins	antiquities	913
	bullets	small arms	623.4551	Ruiz, Juan	Span. satire
	dances	amusements	793		867.1
		ethics	175.3	Rulers	biography
	houses	R. R. architec.	725.33		palaces of architec.
	shot	ordnance	623.45111	Rules	
	table	Arthurian romance	398.2		committee legis. proc.
	vocal music		784.1		for readers library econ.
	worms	parasit. diseases	616.965		staff
Roundheaded borers	pests	632.76			023.9
Roundheds	Eng. history	942.062		legislative procedure	328.371
Roundup	stock farming	636.08111		of order, parliamentary	328.1
Rousseau, J. B.	Fr. poetry	841.51		school	371.51
	J. J.	" fiction	843.56	Rum	chemic technology
		" philos.	194.4		663.5
Roussillon	swine	636.447	¹ Rumania	history	949.8
Route	canal engineering	626.1		travel	914.98
	railroad	"	625.11	Rumanian swine	636.474
¹ Rouville co. Que.	history	971.453	⁴ Rumansh language		459.9
Rovere, A. de	Dut. poetry	839.3121		literature	859.9
Row markers		631.3314	Ruminants	zoology	599.7
Rowboats	boatbuilding	623.829		greater agriculture	636.2
Rowe, N.	English drama	822.55		small	"
Rowing	sport	797			636.3
Rowson, Susanna	Am. fic.	813.22	Rumination	physiology	612.3275
¹ Roxburgh, Scotland	hist.	941.47	Rumpless fowls		636.5882
Roxburghiaceæ	botany	584.31	Runeberg, J. L.	Swed. poet.	839.7167
Royal houses	heraldry	929.7	Runes		439.6
	lives	biography		Anglo-Saxon	429.17
				German	437.01
Rubaceous fruits		634.71		Gothic	439.917
Rubarb	agriculture	635.49	Runic inscriptions		439.617
Rubber	dom. econ.	646.181	Runius, Johan	Swed. poet.	839.7136
	manufactures	678	Runners	library econ.	023.78
Rubble stone	foundations	721.1332		plant culture	631.5332
Rubefacients	therapeutics	615.773	Running		
Rubeola	diseases	616.916		gear	electric cars
	public helth	614.524			621.33347
Rubiaceæ	botany	583.52			locomotivs
Rubiales	"	583.51			621.135
Rubidium	inorgan. chem.	546.35			railroad engin'g
					625.21
					636.122
					613.72
					636.59613
					646.21
					796

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Rupert	German history	943.027
Rupture of genital tract		618.55
	surgery	617.55
Rural		
	architecture	728
	cemeteries	719
	economy agriculture	631.1
	free delivery postal serv.	383
	libraries	027.42
	life agriculture	630.1
	newspapers	070.236
	roads engineering	625.711
	schools	379.173
	sports	796
	water supply	628.7
Rush, Benjamin	Am.essays	814.21
¹ Rush co. Ind.	history	977.261
Rushes	agriculture	633.585
	botany	584.9
Ruskin, John	Eng. essays	824.86
¹ Russell co. Ont.	history	971.385
Russia		
	administration	354.47
	botany	581.947
	finance	336.47
	geology	554.7
	heraldry	929.6
¹	history	947
¹	in Asia history	957
	maps	912.47
	peerage	929.77
	schools	379.47
	statistics	314.7
	titles of honor	929.77
	travel	914.7
	treaties	341.247
	other topics see table 1	
Russian		
	almond	634.552
¹	America, Alaska history	979.8
	architecture	723.2
	baths architecture	725.73
	hygiene	613.46
	cattle	636.271
	church sects	281.9
	horse	636.1271
⁴	language	491.7
⁵	literature	891.7
	music	781.7
	poultry	636.571
	sheep	636.371
	swine	636.475

Russo-		
	Japanese war	Jap. hist. 952
		Rus. " 947.08
	Turkish war	1736-92 947.06
		1853-56 947.07
		1877-78 947.08
Rust, anti-, processes	bldg	691.7
	fungi	589.225
	joints plumbing	696.6
Rut	zootechny	636.082451
Rutabaga	field crops	633.426
	garden "	635.126
Rutaceæ	botany	583.23
Rutebeuf	French poetry	841.17
Ruth	Bible	222.3
⁴ Ruthenian language		491.79
Ruthenium	inorg. chem.	546.96
¹ Rutland co. Eng.	history	942.54
¹	Vt.	974.37
Rydberg, V.	Swed. fiction	839.7367
Rydellius, Anders "	misc.	839.7834
Rye		
	cereals	633.14
	grass forage crops	633.263
	House plot	Eng. hist. 942.066
Ryeland sheep		636.3242
Ryswick, peace of	treaties	341.24

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Saanen goat	636.3939	Saddle	
Saavedra, Fajardo, D. de		grafting	631.54134
Span. miscellany	868.36	horses	636.13
Sabbatarians	Christ. sect 289.9	Saddlery	trade 685
Sabbath	263	Saddles	agriculture 631.373
schools	268	Sadi-Carnot	French hist. 944.08
Sabbatic year	librarians 023.664	Saengerbund	music festival 784.5
teachers	371.168	Safe deposit bldgs	archit. 725.24
Sabeism	philosofy 181.7	storage	" 725.35
Sabellian heresies	273.3	Safes	manufactures 672
Sabiaceæ	botany 583.291	Safety	
Sabini	ancient history 937.4	appliances	614.8
Sabotage	331.89	devices	elec. line 621.3198
¹ Sac cc. Ia.	history 977.7424	station	621.3178
Saccharomycetes	botany 589.91	elevators	621.87785
Saccharose	nutrition 612.39614	ordnance	623.4243
Saccharum	agriculture 633.61	steam locom.	621.139
Sacchetti, Franco	Ital. fict. 853.21	turbins	621.16535
Saccule	anatomy 611.8524	telephone station	621.38794
physiology	612.8582	terminal	621.38694
Sachs, Hans	Ger. poetry 831.44	telegraf	621.38328
Sacral		lamps	min. engin'g 622.47
artery, lateral	anat 611.1374	valvs	locomot. boiler 621.1339
middle	" 611.1363	steam	" 621.18473
cord	" 611.8215	piping	621.1854
Sacramentals	pub. worship 264.9	¹ Sagadahoc co. Me.	hist. 974.18
¹ Sacramento city	Cal. hist. 979.454	Sagas, Norse	839.6
co.	" " 979.453	Sage	cheese 637.3542
Sacraments	265	garden crops	635.71
Anglic. ritual	264.035	foundation	306
Sacred		¹ Saginaw city, Mich.	hist. 977.446
art	246	co.	" " 977.446
biografy	922	Sago	chemic technology 664.2
drama	miracle plays 792	¹ Saguenay co. Que.	history 971.417
religion	244	¹ Sahara desert	history 966.1
furniture	247	phys. geog.	551.58
history	270	Sailing directions	656
music	783	great circle	navig. 527.5
poetry	245	vessels, early	623.821
rhetoric	251	modern	623.822
Sacrifice	birth customs 392.2	Sailmaking	trade 689
christology	232.4	Sailors	biografy 926.56
Sacrifices	Bible 220.93	suffrage	324.177
sacraments	265.3	Sails	ship outfit 623.86
Sacrilege	265.9	Sainfoin	633.361
Sacroccygeal joints	611.7217	Saint	
Sacroiliac joints	611.7281	Albans raid	U. S. hist. 973.722
Sacrosciatic ligament	611.7281	Vt.	" 974.3
Sacrum	anatomy 611.7117	Amant, M. A. G.	Fr. satire 847.42
Sad irons	laundry 648.42	Bartholomew	massacre 272.4
Saddle		Bernard, hospice of	
bags	farm transport 631.3732	protection of life	614.87
breaking to	zootechny 636.08861	¹ Catherines city, Ont.	hist. 971.351
goat	636.3936	¹ Charles co. Mo.	history 977.839

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Saint	
¹ Clair co. Ill. history	977.389
¹ Mich. "	977.441
¹ Mo. "	977.8466
Clair's exped. U. S. hist.	973.42
¹ Croix co. Wis. history	977.541
Evremond Fr. essays	844.42
¹ François co. Mo. history	977.868
¹ Helena history	997
¹ Hyacinthe co. Que. hist.	971.452
¹ John city, N. B. "	971.532
¹ co. " "	971.532
lake, Que. travel	917.1414
of Jerusal. knights of	929.711
John's bread	634.462
co. Que. history	971.438
¹ Joseph co. Ind. history	977.289
¹ Mich. "	977.419
¹ Mo. "	977.8131
¹ Lawrence co. N.Y. "	974.756
¹ river, Que. "	971.4
¹ Louis city, Mo. "	977.866
travel	917.7866
¹ co. Mo. history	977.865
Marc Girardin Fr. essays	844.75
¹ Mary co. Md. history	975.241
¹ Maurice co. Que. "	971.445
Petersburg, Russia "	947.4
trav.	914.74
Pierre, J. H.: B. de Fr.fic.	843.61
Simonism socialism	335.2
¹ Thomas city, Ont. hist.	971.335
Vitus' dance diseases	616.851
Sainte Beuve, C.: A. Fr. lit.	844.74
¹ Genevieve co. Mo. hist.	977.869
Saintonge sheep	636.3427
Saints	
apostolic lives of	225.92
days labor holidays	331.817
doctrin	235
in art. ecclesiology	246
painting	755
Latter day biography	922.98
doctrin	298
lives of	922
Salads cookery	641.83
garden crops	635.5
see also special names	
Salar. anders batrachia	597.9
Salaries legislatures	328.333
library servis	023.8
of teachers	371.16
pol. econ.	331.2
Salary loans	332.313
payments lib. fin.	025.115
Sale catalogs of books	017-019
stock	636.08188
of duplicates lib.econ.	025.265
milk	637.135
state prop. finance	336.12
¹ Salem city, N. J. history	974.992
¹ co. " "	974.991
Salernitano, M. Ital. fict.	853.31
¹ Salerno, Italy history	945.74
Salesmen's occupation hyg.	613.65
Salic laws Ger. law	349.432
Salicin nutrition	612.396175
Salicineæ botany	583.981
Salicylates therapeutics	615.75
Salicylic acid org. chem.	547.76
disinfec. cont.dis.	614.486
Salin	
substances in urin	612.4616
waters econ. geology	553.72
¹ Saline co. Ill. history	977.3992
¹ Mo. "	977.847
Salins cathartics	615.7322
Saliva physiology	612.313
therapeutics	615.741
Salivary	
glands anatomy	611.316
physiology	612.313
nucleus anatomy	611.81768
secretion physiol. zool.	591.143
Salivation physiology	612.81977
Salles d'asile	372.944
Sallust Latin literature	878.2
Salmon fishes	597.5
fishing amusem't	799
business	639.2
Salomon and Morolf Ger.sat.	837.22
Saloon furnishings ships	623.86
Saloons architecture	725.72
billiard "	725.84
temperance	178.4
¹ Salop, England history	942.45
Salsify	635.16
Salt	
baths hygiene	613.45
prac. chem.	542.46
feeding zootechny	636.08431
food zootechny	636.0877
foods hygiene	613.28
lithology	552.53
manufacture	664.4
mining	622.36
rock economic geology	553.63

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- Salting buttermaking 637.2335
 Saltpeter mineralogy 549.72
 Salts
 absorption physiology 612.3821
 chemic technology 661.4
 chemistry of food 641.17
 in muscle physiology 612.74416
 mesology 612.014463
 nutrition physiology 612.39261
 of ammonia chem. tech. 661.5
 stomach absorption of 612.32275
 theoretic chemistry 541.4
 Saluste du Bartas, G. de
 French poetry 841.37
 Salvadoraceæ botany 583.716
 Salvage maritime law 347.7
 Salvation doctr. theology 234
 army ass'ns 267.15
 Great war 940.4772
 Salviati, L. Ital. essays 854.45
¹Salzburg, Austria hist. 943.63
 Samaniego, F. M. de 861.44
⁴Samaritan language 492.5
 Samaritans sects 296
 Samarium inorg. chem. 546.692
 Samfire agriculture 635.74
 Samnite wars Roman hist. 937.03
 Samnium ancient " 937.7
¹Samoa, Polynesia " 996.1
 Samos ancient " 939.14
¹modern " 949.94
 Sapphire 635.74
 Samsøe, O. J. Dan. drama 839.8253
 Samuel Old Testament 222.4
 Samydecæ botany 583.451
 San Antonio, battle 973.6238
¹Benito co. Cal. hist. 979.475
¹Bernardino co. " " 979.495
¹Clemente il. " " 979.493
¹Diego city " " 979.498
¹co. " " 979.498
 Domingo, annex. treaty
 U. S. history 973.82
¹apricot 634.654
 history 972.93
¹Francisco city Cal. " 979.461
¹co. " " 979.461
¹Joaquin co. " " 979.455
¹José city " " 979.474
 scale pests 632.75
 Juan boundary U.S. " 973.82
¹Luis Obispo co. Cal. " 979.478
¹Potosi, Mex. " 972.4
¹Mateo co. Cal. " 979.469
¹Miguel il. " " 979.491
¹San Nicholas il. " " 979.492
¹Salvador " " 972.84
 Sancho 4 Span. miscel. 868.12
 Sanctification doctr.theol. 234.8
 Sanctis, F de Ital. essays 854.81
 Sanctuary legal antiq. 340.3
 Sanctus sacred music 783.22
 Sand, George Fr. fiction 843.82
 Sand
 baths prac. chemistry 542.45
 blasts pneumatic mach. 621.549
 cherry 634.24
 filtration water supply 628.16
 foundation architec. 721.11
 petrology lithology 552.51
 piles architecture 721.141
 storms 551.51
 Sandals costume 391.4
 Sandalwood perfumes 633.814
 Sandbugs zoology 595.36
 Sandemanianism sects 289.9
 Sander, K. L. Dan. drama 839.8256
 Sands econ. geology 553.62
 Sandstone " " 553.53
 lithology 552.51
 old red 551.74
¹Sandusky city, O. hist. 977.1221
¹co. " " 977.1214
¹Sandwich ilands history 996.9
 Sandwiches cookery 641.84
 Sandys, George Am. poet. 811.11
¹Sangamon co. Ill. history 977.356
 Sangreal legends 398.2
 Sanguification physiology 612.119
 Sanhedrim Judaism 296
¹Sanilac, Mich. history 977.443
 Sanitariums helth resorts 613.12
 institutions 362.1
 Sanitary
 affairs public helth 614
 appliances hygiene 613.08
 pub. helth 614.08
 commission U. S. civ. war 973.7771
 commissions local gov't 352.4
 U. S. 361
 districts Eng. loc. gov. 352.0425
 engineering 628
 fairs U. S. civil war 973.7772
 inspection of schools 371.711
 laws public helth 614.09
 mesures dom. econ. 648
 public helth 614.09
 police administration 351.77
 reports public helth 614.09

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index.

Sanitary			
science	engineering	628	
surveys	public health	614.77	
Sanitation			
industrial	engineering	628.5	
military		623.75	
of house	dom. econ.	648.5	
towns	engineering	628.4	
principles of	"	628	
public		614	
school buildings		371.626	
veterinary, pub. health		614.9	
Sannazzaro, J.	Ital. poetry	851.26	
⁴ Sanskrit language		491.2	
⁴ literature		891.2	
Santa			
¹ Barbara co. Cal.	hist.	979.491	
¹ il.	"	979.491	
¹ Catalina il.	"	979.493	
¹ Clara co.	"	979.473	
¹ Cruz co.	"	979.471	
¹ il.	"	979.491	
¹ Rosa il.	"	979.491	
Santalaceæ	botany	583.943	
Santiago			
¹ Chile	history	983	
travel		918.3	
Cuba, siege	U. S. hist.	973.893	
de Cuba, soc'y of army of		369.182	
¹ Santo Domingo	history	972.93	
Santorini's duct	anatomy	611.375	
muscle	"	611.7326	
¹ Saône et Loire, Fr.	hist.	944.43	
Sap, circulation of	botany	581.11	
collectors		631.3568	
gathering		631.5568	
Sapheous			
nerv, internal	anat.	611.83554	
vein, long	"	611.14733	
short	"	611.14738	
Sapindaceæ	botany	583.281	
Sapindales	"	583.28	
Sapodilla	agriculture	634.431	
family	"	634.43	
Saponin	nutrition	612.396175	
Sapota		634.343	
Sapotaceæ	botany	583.681	
Sapotaceous fruits		634.43	
Sappers	mil. science	358.3	
Sappho	Greek poetry	884.2	
Saprogneziæ	botany	589.26	
Saps	military engineering	623.24	
¹ Saracen empire	history	953	
Saracenic architecture		723.3	
Saratoga battle	Am. revol.	973.3333	
¹ co. N. Y.	history	974.748	
Sarcoma	diseases	616.992	
Sarcophagi	burial customs	393.1	
Sardinia	ancient history	937.9	
¹ modern	"	945.9	
Sardinian sheep		636.35	
Sardou, Victorien	Fr. dram.	842.86	
Sarmatia Asiatica	anc. hist.	939.52	
Europa	"	939.81	
Sarpi, Paolo	Ital. essays	843.51	
Sarraceniaceæ	botany	585.121	
¹ Sarthe, France	history	944.17	
Sartorius muscle	anat.	611.73821	
Sash	arch. construction	721.83	
¹ Saskatchewan, Can.	hist.	971.24	
Sassacus, ship	U. S. civ. war	973.754	
Sassafras		633.824	
Sassanian architecture		722.5	
Sassanians	ancient history	935.7	
Satan	doctrinal theology	235	
Satanism	"	235	
witchcraft		133.4	
Satellites			
action of	astronomy	521.42	
theoretic	"	521.6	
⁴ Satire	Eng. literature	827	
Satires, religious		244	
Satiric music, dramatic		782.6	
Satirists, English	lives	928.27	
Saturn	astronomy	523.46	
Satyre Ménippée, La	Fr. sat.	847.33	
¹ Sauk co. Wis.	history	977.576	
¹ Sault Ste Marie, Ont.	hist.	971.313	
Saurians		598.1	
Sauropterygia	reptils	598.16	
Sautering	cookery	641.77	
Savages	ethnology	572.7	
Savannah, Ga.			
campaign	U. S. civ. war	973.7378	
capture	Amer. revol.	973.3347	
¹ history		975.8	
siege	Amer. revol.	973.3357	
travels		917.58	
Savings banks			
architecture		725.24	
political economy		332.2	
school education		371.673	
state control		351.825	
Savory	agriculture	635.71	
Savoy			
declaration	doct. theol.	238.5	
¹ France	history	944.48	
house of	Ital. history	945	

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Saw mills	674	Scandinavia	heraldry	929.6
Sawflies pests	632.79	1	history	948
Saws			peerage	929.78
machine tools	engin'g	621.93	Scandinavian	
pruning		631.3426	4 language	439.5
1Sawyer co. Wis.	history	977.516	5 literature	839.5
Saxe, J.:G.	Am. satire	817.35	philosofers	198
1Saxe-Altenburg, Ger.	hist.	943.24	lives	921.8]
1	Gotha-Coburg	" "	protestants	284.7
1	Meiningen	" "	sheep	636.372
1	Weimar	" "	Scandium	inorgan. chem.
Saxhorn	wind instrument	788.42	Scansores	birds
Saxifragæ	botany	583.38	Scaphoid	
Saxo Grammaticus	Dan. lit.	839.8811	bone, carpal	anatomy
Saxon			tarsal	"
4 Anglo-	language	429	cuboid joints	"
	literature	829	cuneiform joints	"
goat		636.393	Scaphopoda	zoology
4 old	language	439.2	Scapula	anatomy
	literature	839.2	Scapular artery, dorsal	anat.
Romanesque	architec.	723.42	Scapuloclavicular joint	611.72724
sheep		636.36733	Scarecrows	agriculture
1Saxony	history	943.21	Scarf skin	anatomy
	house of, Ger.	hist.	Scarfs, hed	toilet
1	Prussian	" "	Scarifier, hand	
Saxophone	wind instrum.	788.43	horse	631.3153
Saybrook platform	creeds	238.5	Scarlatina	diseases
Scabs	labor strikes	331.891	Scarlet fever	pathology
Scagliola	masonry	693.64	pub. helth	614.522
Scala media	anatomy	611.8521	strawberry	634.754
Scalds	surgery	617.11	Scarron, Paul	Fr. satire
Scale			Scavenging of towns	628.4
contract	wages	331.22	Scene painting	painting
insects	pests	632.75	theater	792
prevention, boiler		621.1944	Scent glands	
Scalenus	anatomy	611.7339	comparativ	physiol.
Scales			economic	zoology
comparativ	anatomy	611.785	physiologic	" "
mesuring	instruments	530.8	protectiv	organs
music		781.2	Scepticism, etc.	see Scepticism
practical	chemistry	542.32	Schedules	
track	railway	engin'g	tarif	finance
wage	political	economy	Scheele, K.:V.	Swed. misc.
watch and instrum.	mak'g	681	Schefer, L.	Ger. poetry
weights and mesures		389	Scheffel, J. V: von	Ger. fic.
Scallion		635.263	Schelling	Ger. filosofy
Scallop	fishery	639.4	1Schenectady, N. Y.	hist.
squash		635.621	Scherzo	orchestral music
Scalping	war customs	399	Schiller, J; C. F;	Ger. dram.
Scalvies	diseases	616.9685	Schimmel, H. J.	Dut. "
	public helth	614.55	Schism	
Scaly affections of skin		616.51	Avignon	270.5
Scandal	ethics	177.2	Eastern & Western	ch.
Scandaroons	pigeons	636.59627	in the church	eccles. pol.

Topics in black face type are subdivided: Superior figures refer to the tables at the end of this index

Schists lithology	552.43	Schools	
Schizomycetes botany	589.95	special curriculums	375.008
Schleiermacher Ger. phil.	193.6	higher educ.	378.99
Schlemm's canal anat.	611.8415	Sunday	268
Schleswig horse	636.143	² see special subject	
¹ Schleswig-Holstein, Ger. hist.	943.51	Schopenhauer Ger. philos.	193.7
Holstein swine	636.434	¹ Schuyler co. Ill. history	977.347
¹ Schoharie co. N. Y. hist.	974.745	¹ Mo " "	977.826
Scholars citizenship	323.65	¹ N. Y. " "	974.781
Scholar's life self-culture	374	Ft Amer. revol.	973.3334
Scholarships		¹ Schuylkill co. Pa. history	974.817
research	378.34	Schwann's sheath histol.	611.018833
school tuition	371.22	¹ Schwartzburg, Ger. hist.	943.27
Scholastic philosophers' lives	921.9	Schwarzhals goat	633.3936
philosophy	189.4	Schwarzal "	636.3936
Schöning, G. Dan. misc.	839.8844	Schwarzwald "	636.393
School		Sciatic artery anat.	611.13765
architecture	727	Sciatica diseases	616.87
buildings education	371.62	Science	
board room lib. bldgs	022.612	and religion apologetics	239.8
city student gov't	371.595	nat. theol.	215
districts Eng. loc. gov.	352.0426	applied	600
equipment	371.6	Bible	220.85
funds state education	379.11	biography of	925
furniture	371.63	elementary education	372.3
gardens elem. educ.	372.36	mental	150
grounds	371.61	military	355
hygiene	371.7	moral	170
libraries education	371.64	natural	500
library econ.	027.8	naval	359
lunch rooms	642.58	of religion	201
meals school hygiene	371.716	political	320
premises	371.6	sanitary	628
promenades school hyg.	371.737	social sociology	300
savings banks	371.673	study teaching	507
texts Eng. language	428	Sciences, classification of	501
Y. M. C. A. work	267.361	natural	500
¹ Schoolcraft co. Mich. hist.	977.493	occult	133
Schools		Scientific	
agricultural	630.712	buildings architecture	727
and libraries lib. econ.	021.3	explorations, general	508.3
architecture	727	management business	658
education	370	men, lives of	925
hygiene	613.54	surveys, general	508.3
library propagandism	021.75	systems economics	330.15
training	020.7	travels	508.3
of painting	759	Scientists, apologetics ag'st	239.8
parochial education	377.5	¹ Scilly Islands history	942.37
parish work	257	travel	914.237
public	379	Scion grafting	631.5411
reform	364	Sciopticon optics	535.86
architecture	725.64	¹ Scioto co. O. history	977.187
riding "	725.88	Scitamineæ botany	584.21

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Sclera anatomy	611.8415	Scotland	
physiology	612.8415	treaties	341.241
Sclerotic coat anatomy	611.8415	universities	378.41
eye diseases	617.71	zoology	591.941
Scollop fishery	639.4	¹ Scotland co. Mo. history	977.831
Scolymus	635.167	Scott	
Sconces domestic econ.	644.325	Dred, case U. S. civ. war	973.7115
Scoops, water steam locom.	621.1363	decision slavery	326.973
Scooter cultivators	631.3127	U.S.hist.	973.68
" plows	631.3162	Walter Eng. fiction	823.73
Scope and usefulness of lib.	021	poetry	821.74
Scoria volcanic rocks	552.21	¹ Scott co. Ill. history	977.345
Scorpions zoology	595.4	¹ Ind. " "	977.218
Scorzenera	635.166	¹ Ia. " "	977.769
Scotch		¹ Mo. " "	977.897
¹ border history	941.4	Scott-Brown shorthand	653.53
travel	914.14	Scottish, <i>see</i> Scotch	
episcopal church	283.41	Scott's campaign Mex. war	973.6236
poetry	821	Scotus, Duns mediev. phil.	189.4
cattle, beef	636.223	Erigena " "	189.4
dairy	636.225	Scovil shorthand	653.37
churches, presbyterian	285	Scows boatbuilding	623.829
covenant creeds	238.5	¹ Scranton, Pa. history	974.837
deists apologetics	239.5	Scrap	
English dialects	427.9	book methods	029.3
episcopal church	283.41	books general collec.	040
gray fowls	636.527	for special <i>see</i> subject	
⁴ language	491.63	Scrape horse cultivators	631.3164
music, vocal	784.4	Scraper hand tools	631.3153
philosofers biography	921.2	Scrapers, pruning	631.3427
philosophy	192	Scraping pruning	631.54215
poetry	821	Screen doors arch. constr.	721.83
ponies	636.162	Screening min. engin'g	622.74
poultry	636.528	Screens	
presbyterians biography	922.541	architectural construc.	721.87
Romanesque architecture	723.41	domestic economy	645.3
sheep	636.325	fixt furniture	729.96
Scotland		food	648.7
administration	354.41	Screw	
antiquities	913.41	brakes gun mounts	623.43562
architecture	720.941	cutting mech. engin'g	621.882
botany	581.941	gears " "	621.8333
colleges	378.41	jacks " "	621.869
constitutional law	342.41	joints plumbing	696.5
education	370.941	physics	531.87
finance	336.41	pile foundations	721.152
geology	554.1	propellers engineering	621.12
¹ history	941	shipbuilding	623.87
laws	349.41	strength of materials	620.11287
maps	912.41	threads mech. engin'g	621.882
religious history	274.1	Screws fastenings	621.882
schools, public	379.41	Scribe, A. E. Fr. drama	842.73
statistics	314.1	Script writing	652
travel	914.1		

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Scriptural biography	Bible	220.92	Sea		
	N. T.	225.92	shore resorts	hygiene	613.12
	O. T.	221.92	urchins	fishery	639.6
Scripture				paleontology	563.95
chronologies		220.94		zoology	593.95
commentaries		220.7	walls	engineering	627.4
concordances		220.2	weeds	botany	589.3
dictionaries		220.3		fertilizers	631.873
harmonies of gospels		226.1	Seal engraving		736
histories		220.95	fishing		639.1
readings	public worship	264.3	Seals	college	378.27
Scriptures, holy	Bible	220	heraldry		929.8
Scriveboard	shipbuilding	623.83	zoology		599.7
Scrofula	diseases	616.996	Seamanship		656
Scroll-sawing		749	Seamen's lives		926.56
Scrophularineæ	botany	583.81	Search		
Scrotum	anatomy	611.638	light	elec. engineering	621.32582
	diseases of	616.67		military	623.731
Scrutin				right of	internat. law
d'arrondissement	suffrage	324.221			341.3
de liste	"	324.222	Seashore resorts	hygiene	613.12
Scudéry, G' de	Fr. fiction	843.44	Seasickness	diseases	616.33
M. de	"	843.45		physiology	612.8862
Scuffle	harrow	631.3137	Seaside cottages	architec.	728.7
hoe		631.3152	resorts	hygiene	613.12
Scuffer	horse cultivators	631.3162	Season		
Sculptors	biography	927.3	grafting		631.5412
Sculpture		730	vacation	lib. econ.	023.661
prehistoric		571.73	Seasoning	leaves	635.71
sacred ornamentation		247.3	Seasons	astronomy	525.5
school decoration		371.637		hygiene	613.13
Scurvy	diseases	616.39		zoology	591.54
Scutage	feudalism	321.3	Seating capacity	architec.	729.2
Scythe, <i>see</i>	Sithe		Seats		
Scythia	ancient history	939.51	aviation		629.182
Scythian language		494	ballooning		629.162
Sea			country	architecture	728.8
anemones	zoology	593.6	Seaweeds	botany	589.3
aqueous erosion		551.35		fertilizers	631.873
baths	hygiene	613.45	Sebacious		
cow		599.5	glands	anatomy	611.773
cucumbers	zoology	593.96		disorders of	616.53
fishery	business	639.2	secretion	animals	591.141
food	fishery	639	¹ Sebastopol, Russia	hist.	947.7
grape	agriculture	634.664	goose	poultry	636.5987
grapes	zoology	594.9	Sebright game fowls		636.58813
kale		635.33	Secession		
	beet	635.42	church of Scotland		285.6
laws		347.7	law		342
lilies	zoology	593.91	U. S. history		973.7
mats	"	594.7	Secessionists in North		
mosses	algae	589.3		U. S. civil war	973.718
power		359	Second		
serpent	delusions	133.7	advent of Christ		232.6
			adventists	sects	286.6

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Second			Sedition	law	343	
ballot	suffrage	324.248	act	U. S. history	973.44	
empire	Fr. history	944.07	See	eccles. polity	262.3	
language	elem. educ.	372.65	Seed			
nerv	anatomy	611.8312	catalogs		631.5212	
	physiology	612.8192	selection		631.5211	
sight		133.3	sowers		631.331	
war with Eng.	U.S.hist.	973.52	Seedage		631.531	
	Gt. Brit., soc. of	369.144	Seeders		631.3311	
Secondary			Seeding	machinery	631.33	
batteries	electricity	537.84	plow		631.3127	
cells	elec. engineering	621.354	Seedling	plant culture	631.5471	
period	geology	551.76	Seeds			
schools for girls		376.63	edible		635.6	
	gymnastics in	371.7323	Segment	shell ordnance	623.4515	
	library equipm't	371.646	Segmentation	embryology	611.01331	
	manual train'g in	371.423	Segregation	geol. agents	551.98	
	public	379.17	vs	coeducation	376.7	
Secret			Segura de Astorga, J.L.		861.14	
ballot	suffrage	324.245	Seigniories, abol'n	Can. hist.	971.4	
servis	Amer. revol.	973.385	¹ Seine et Marne, Fr.	hist.	944.37	
	Great war	940.485	" Oise, " "		944.36	
	U. S. civ. war	973.785	" Inférieure, " "		944.25	
	war of 1812	973.528	Seismology		551.2	
societies		366	Selachii	fishes	597.3	
	buildings arch.	728.4	Selaginæ	botany	583.876	
	college	371.85	Selecting	lib. books, meth. of	025.215	
writing	cryptografy	652	animals	zotech.	636.0811	
Secretaries			Selection			
legislativ	bodies	328.3623	natural	evolution	575.4	
Secretion				physiology	612.609	
animals		591.14	of books, etc.	lib. econ.	025.21	
intestinal				candidates	suffrage	324.23
	action of nervs on	612.3381		farm	631.11	
	pathologic changes	612.336		officers	civil servis	351.1
	physiology	612.333		library trustees		023.31
lactic	physiology	612.6643		manuscripts	publish.	655.51
of liver	"	612.35		plants		631.521
physiology		612.4	sexual	evolution	575.5	
Secretory organs			zotechny		636.081	
animals	comp. anat.	591.44	³ Selections	Eng. philology	428.7	
	descriptiv anat.	591.74	Selectiv	system	telephone	621.38524
Sectarian			Selenids	mineralogy	549.3	
schools, public aid to		379.121	Selenium	inorganic chem.	546.23	
teaching in schools		377.1	Self			
Sects, Christian		280	binders		631.3541	
Secular changes of season		525.53	culture		374	
education		377	defense, art of	athletics	796	
Sédaine, M. J: Fr. drama		842.57	education		374	
¹ Sedalia, Mo. history		977.8481	government	pol. sci.	321.8	
Sedentary life	hygiene	613.65		school	371.59	
Sedges	fibers	633.585	Selfishness	ethics	179.8	
Sedimentary rocks	lithol.	552.5	¹ Selkirk, Scotland	history	941.46	

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Selling			
products farm econ.	631.18		
votes suffrage	324.271		
Sem Tob, Rabbi Span. lit.	861.16		
Sematology philology	419.1		
Semiautomatic telephones	621.38572		
Semicircular canals anat.	611.8526		
Semidetacht city houses	728.34		
Semidiameter			
of celestial bodies	522.93		
Semilunar			
bones, carpal anatomy	611.71772		
ganglion, cranial "	611.8915		
ganglions, symp. "	611.8393		
valvs "	611.12656		
Semimembranosus muscle	611.73829		
Seminal vesicles anatomy	611.636		
Seminar room lib. bildings	022.653		
Seminaries			
architecture	727.2		
education	373		
theologic religion	207		
² for special topic see subject			
Seminary method of instruc.	371.37		
Seminiferous ducts anat.	611.6311		
physiol.	612.617		
Seminole wars, U. S. history			
1818	973.541		
1835-42	973.571		
Semirigid dirigibles	629.156		
Semisoveren states pol. sci.	321.025		
Semispinalis muscle	611.73161		
Semistationary engines	621.159		
Semitendinosus muscle	611.73828		
Semitic languages	492		
literatures	892		
Senancour, E. P. de Fr. lit.	844.64		
Seneca, L. A. Latin drama	872.6		
misc.	878.5		
stoic phil.	188.6		
¹ Seneca co. N. Y. history	974.769		
¹ O. "	977.124		
indians	970.3		
¹ Senegambia history	966.3		
¹ Sennaar, Egypt "	962.9		
swine agriculture	636.486		
Sensation			
beginnings of biology	576.4		
in animals zoology	591.18		
plants botany	581.18		
mental faculties	152		
physiologic psychology	612.8218		
Sensational journalism	070.16		
Sensationalism	145		
Sense mental faculties	152		
physiology	612.8218		
Sensibility			
and movement physiol.	612.8114		
chromatic "	612.8433		
cutaneous physiol.	612.794		
mental faculties	157		
physiologic psychology	612.82133		
recurrent physiology	612.812		
to pain "	612.884		
sound "	612.85876		
Sensitiv plant botany	583.32		
physiol. bot.	581.5		
Sensory			
and motor nervs, distinc.	612.811		
apparatus anatomy	611.8		
delusions physiology	612.82189		
ganglions "	612.8113		
terminations histology	611.018869		
¹ Sentences, special Eng.	425.4		
Sentimental music	784.3		
Separate system of sewerage	628.212		
Separates lib. economy	025.232		
Separation			
of cream	637.2331		
powers			
English gov.	354.4202		
French "	354.4402		
German "	354.4302		
U. S. "	353.02		
Separators			
cream dairy	637.2321		
steam engineering	621.1974		
Sepia paint	751		
Sepoy war, Indian history	954		
Septic diseases	616.94		
Septicemia diseases	616.944		
obstetrics	618.74		
Septuagint Bible	221.48		
Septum lucidum anatomy	611.81324		
Sepulchers cemeteries	718		
Sepulture customs	393.1		
public helth	614.61		
Sequence cathedral servis	783.23		
Serafi Catalan poetry	849.9135		
Serao, Matilde Ital. fict.	853.88		
Serapis, ship Amer. revol.	973.355		
¹ Serbia history	949.7		
⁴ Serbian language	491.82		
swine	636.472		
Serfs			
emancipation Russ. hist.	947.08		
origin of " "	947.04		
slavery	326.3		
social classes	323.34		

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- Sergardi. Ludovico Ital.sat. 857.57
- Sergeants
 -at-arms legislativ bodies 328.3624
 law lives 923.442
- Serials library admin. 025.173
 special, see subject
- Sericeous secretion zoology 591.142
- Sericulture 638.2
- Series
 algebra 512.4
 calculus 517.21
 motors elec. engin'g 621.31365
 system telephone 621.38522
 trigonometry 514.2
 wound generators 621.313232
- Sermons
 Great war 1914-19 940.495
 homiletics 252
 public worship 264.6
 U. S. history civil war 973.795
 revolution 973.395
 war of 1812 973.5295
- Serotherapy
 for venoms physiol. 612.3145
 therapeutics 615.37
- Serous
 membranes
 absorption by 612.387
 admin. of medicin by 615.66
 histology 611.01874
- Serpent charming 591.57
 worship 291
- Serpentine
 economic geology 553.55
 layering 631.5342
 lithology 552.47
- Serpents zoology 598.12
- Serrati posteriores anat. 611.7312
- Serratus anterior " 611.7355
 posticus " 611.7312
- Serum
 staining substances 612.1251
- Servants
 domestic economy 647.2
 ethics 173.8
 law 347.6
 quarters architecture 728.92
 dom. economy 645.69
- Servetus medieval phil. 189.5
- ¹Servia history 949.7
- ⁴Servian language 491.82
- Serving
 at table dom. economy 642.6
 room " " 643.45
- Servis
 amount of teachers 371.16
 apparatus elec. light. 621.328
 books Anglican ritual 264.03
 clerical lib. economy 023.76
 emergency dom. econ. 647.29
 library 023
 mechanic lib. economy 023.77
 military science 355.5
 suffrage 324.171
 periods, military 355.11
 professional bilding 692.8
 table dom. economy 642.6
- Servitude, military 355.22
 slavery 326
- Sesamoid bones, foot 611.71899
 hand 611.71799
- Session laws, American 345.1
 English 346.1
- Sessions
 legislativ bodies 329.35
 special legis. salaries 328.333
- Sestini, B. Ital. poetry 851.68
- Setons therapeutics 615.812
- Sets tubers 631.5322
- Settees dom. econ. 645.42
- Setting table " " 642.6
 type printing 655.25
- Settlements, social 331.85
- Seven
 champions 398.2
 day books lib. econ. 024.62
 days battles U. S. hist. 973.7327
 Pines, Va. battle 973.7327
 sages 398.2
 sleepers 398.2
 weeks war German hist. 943.081
 wonders of the world 609
 years war Canadian hist. 971.018
 German " 943.056
 U. S. " 973.26
- Seventh
 day adventists biog. 922.6
 sects 286.7
 baptists " 286.3
 Sabbath 263.2
 nerv anatomy 611.8317
 physiology 612.8197
- ¹Seville history 946.8
 travels 914.68
- Sewage, disposal of 628.3
- Sewer gas air pollution 614.765
 sanitary engin'g 628.23

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Sewerage			Shanghai fowls	636.585
city administration	352.6		¹ Shannon co. Mo. history	977.887
engineering	628.2		ship U. S. war 1812	973.523
systems	628.21		Shapers machine tools	621.912
Sewers			Shapes strength of mater.	620.1128
and outlets air pollut.	614.765		Share	
disinfection pub. helth	614.48		system of rent agric.	631.114
Sewing			working "	631.1153
domestic economy	646.2		Shares remuneration	331.235
element'y manual train'g	372.54		stocks	332.6
machine	687		Sharks fishes	597.3
Sex			fossils	567.3
customs	392		Sharpsburg, Md. battle	973.7336
in education	376		¹ Shasta co. Cal. hist.	979.424
nature	577.8		Shaving customs	391.5
influence of therapeutics	615.55		toilet	646.5
mortality pub. helth	614.141		Shaw, H: W. Am. humor	817.46
origin of evolution	575.9		¹ Shawano co. Wis. history	977.536
production of embryol.	591.36		Shawl goat	636.39854
Sexes mental characterist.	136.1		Shawls clothing	646.45
proportion physiol.	612.606		Shay's rebellion Mass. hist.	974.4
zootchny	636.0823		U.S. "	973.318
Sextant			Shearing	
astronomic instrument	522.41		strength of materials	620.11245
finding time by horology	529.74		tools mech. engineering	621.96
Sexual			Shears machine tools	621.932
ethics	176		pruning	631.3421
excitement zootchny	636.082451		weeding	631.3155
organs anatomy	611.6		Sheaths of tendons anat.	611.75
zology	591.46		diseases	616.76
science	612.6		Sheaves mill gearing	621.856
selection evolution	575.5		¹ Sheawasse co. Mich. hist.	977.425
union zootchny	636.082453		¹ Sheboygan co. Wis. "	977.566
variation animals	591.156		Sheds aeronautics	629.144
Shaddock	634.323		Sheep	
Shade and light arch.design	729.14		diseases of compar.med.	619.3
Shades			domestic animals	636.3
and shadows descr.geom.	515.7-		hunting	799
window furnishings	645.3		zology	599.7
Shading shorthand	653.01		Sheepsmilk cheese	637.3551
Shadows perspectiv	515.63		¹ Sheffield history	942.74
Shaft sinking mining	622.25		¹ Shefford co. Que. history	971.463
Shafting mill work	621.82		Shel	
Shaftsbury, earl of Eng. lit.	824.51		banks prehist. archeol.	571.93
Shagbark	634.522		boiler steam engin'g	621.18452
Shakers biograpy	922.88		fish fishery	639.4
sects	289.8		zology	594
Shaking grates engin'g	621.18354		locomotiv boiler	621.1333
Shakspere Eng. drama	822.33		Shelbark hickory	634.523
Shale lithology	552.52		¹ Shelburne co. N. S. history	971.625
Shallot	635.263		¹ Shelby co. Ill. history	977.3798
Shallu	633.176		Ind. "	977.259
¹ Shanghai history	951.1		Ia. "	977.748
travels	915.11			

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- 1Shelby co. Mo. history 977.832
 1 O. " 977.145
 Shelf dep't library econ. 025.8
 Shellers 631.3614
 Shelley, P. B. Eng. poetry 821.77
 Shelling corn 631.5614
 Shels
 armor piercing ordnance 623.4518
 elongated " 623.4513
 paleontology 564
 prehistoric archeology 571.13
 projectils 623.45
 zoology 594
 Shelter
 domestic economy 643
 of animals zootechny 636.0831
 laboring classes
 pol. econ. 331.83
 plants 631.344
 Shelton, F: W: Am. satire 817.33
 Shelving library bldgs 022.4
 Shelvs, library
 fixt lib.bldgs 022.444
 for large bks,erect " " 022.445
 flat " " 022.46
 material " " 022.45
 public access " econ. 024.57
 round sides of room 022.42
 Shemitic languages 492
 Shenandoah
 ship U. S. civ. war 973.757
 valley campain civ. war 973.7377
 Shenstone, W: Eng. poetry 821.58
 Sheol eschatology 236.4
 Shepherds zootechny 636.0835
 1Shepherdstown, W. Va. hist. 975.499
 Sherbet cookery 641.86
 1Sherbrooke city, Que. hist. 971.466
 1 co. " " 971.466
 Sheridan, R: B. Eng. drama 822.66
 oratory. 825.64
 Sheridan's ride U. S. civ. war 973.7377
 Sheriffs law 347.96
 local governm't 352.2
 Sherman silver act U.S.hist. 973.86
 Sherman's march to the sea 973.7378
 1Shetland ilands history 941.11
 travels 914.111
 pony 636.1621
 sheep 636.3258
 Shields heraldry 929.6
 wepons 399
 Shifts of work pol. econ. 331.811
 Shillaber, B. P. Am. humor 817.34
 Shiloh, Tenn. battle 973.7326
 Shingle roofs bilding 695.1
 Shingles skin diseases 616.52
 Shintoism 299.5
 Ship
 bilding 623.8
 canals engineering 626.9
 sociology 386
 equipment shipbilding 623.86
 fever diseases 616.922
 heating 623.85
 life hygiene 613.68
 lighting 623.85
 outfit 623.86
 propulsion mech. eng. 623.8
 railways 625.9
 ventilation shipbilding 623.85
 Shipboard cookery 641.574
 Shipment
 farm expenses 631.177
 Shipping
 business useful arts 656
 dep't manuf'g plant 621.7966
 history of sociology 387
 laws 347.7
 Ships
 armoring 623.9
 confederate U.S.civ.war 973.757
 disinfection in contag. dis. 614.48
 naval architecture 623.8
 transportation 656
 Shipwrecks
 adventures 910.4
 life saving methods 656
 Shipwreckt, rescue of
 protection of life 614.868
 Shire draft horse 636.1523
 1Shoals, Isles of history 974.2
 travels 917.42
 Shock
 repeated engineering 620.1125
 result of injury 617.21
 Shocker, corn 631.3551
 Shoeing zootechny 636.0834
 Shoemaking manufact'g 685
 Shoes costume 391.4
 domestic econ. 646.46
 elec. traction 621.3347
 Shone system sewerage wks 628.214
 Shooting
 galleries architecture 725.89
 gunnery 623.54
 sport 799
 Shop girls labor of women 331.4

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Shops	
engineering works	621.7
machine architecture	725.43
railway "	725.33
Shoregrape	634.664
Shoring	
foundations architecture	721.12
bridges	624.152
Short ballot suffrage	324.216
cuttings	631.5355
eard swine, German	636.431
Hungarian	636.432
horn cattle	636.2221
wool sheep	636.323
Shorthand	
typewriters	652
Shortsightedness eye dis.	
physiology	617.75
" "	612.8451
Shot, case ordnance	623.45122
solid "	623.45111
Shoulder anatomy	
blade "	611.971
joints "	611.7171
muscles "	611.7272
"	611.7371
Shovel	
crop cleaning	631.3621
digging tools	631.3111
plow	631.3162
power engin'g	621.865
steamengin'g	621.154
Shower baths hygiene	613.44
Shows	
entertainments	791
public customs	394.2
traveling feeding	641.577
Shrapnel, early	623.45113
modern	623.4514
Shrimps	
fishery	639.5
zoology	595.31
Shriners, Mystic masons	
Shropshire, Eng. history	942.45
down sheep	636.3236
Shrub adulterations	614.346
Shrubbery landsc. gard'ng	715
Shrubs botany	
layering horticulture	631.5346
shuddering physiology	612.7464
Shuntwound generators	621.313233
Shunting engines	621.13203
Shutters archit. const.	721.87
Sialagogs therapeutics	615.741
¹ Siam history	
Lower "	959.3
"	959.5
Siamese	
architecture	722.4
language	494
swine agriculture	636.485
twins deformities	617.35
nat. hist. of man	573.9
¹ Siberia history	957
Siberian featherfooted fowls	636.572
Sibylin books magic	133.3
Sibyls divination	133.3
Sicilian Norman architect.	723.45
Sicily ancient history	937.8
¹ modern "	945.8
Sick	
food for hygiene	613.23
hedake diseases	616.857
hospitals for	362.1
architec.	725.51
leave lib. economy	023.67
military life	355.11
ministry of sacraments	265.8
parish care of	258
room dom. economy	649.8
Sickle	631.3511
Sickness	
insurance pol. econ.	331.25
pensions "	331.25
Side arms, military	623.444
Sidehil plow	631.3124
Sidereal	
clock and chronometer	522.51
day chronology	529.1
month astronomy	523.33
chronology	529.2
Sidewalks	
local government	352.7
moving mech. engin'g	621.8675
pavements road "	625.88
Sidings railway engin'g	625.16
Sidney, P. English poetry	821.32
Siege	
artillery mil. engin'g	623.415
guns gunnery	623.552
mounts ordnance	623.432
operations mil. eng.	623.2
state of pol. sci.	323.92
warfare mil. science	355.44
¹ Sierra co. Cal. history	979.436
¹ Leone "	966.4
Sieves crop cleaning	631.3621
prac. chem.	542.22
Sifters crop cleaning	631.3623
Sifting	631.5623
Sighing physiology	612.219

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Sight			Silos	
anatomy	611.84		farm bildings	631.23
asylums for the blind	362.4		fodder storage	631.563
diseases of	617.7		Silt lithology	552.52
mental faculties	152.1		Silurian age geology	551.73
optics	535.7		Silver	
physiology	612.84		act, Bland U. S. hist.	973.83
sensory functions	612.82554		act, Sherman U. S. hist.	973.86
Sighting			Voorhees "	973.87
apparatus gun mounts	623.4354		inorganic chemistry	546.57
attachments guns	623.425		metallurgy	669.2
gunnery	623.55		mining	622.34
Sigmund Ger. history	943.027		money	332.41
Sigmoid artery anatomy	611.13652		ores economic geol.	553.42
flexure "	611.349		plating manufacture	671
mesocolon "	611.383		question pol. econ.	332.42
Sign boards advertising	659.1		Silverfish pests	632.71
language educ. of def	371.912		Silversmiths work fine arts	739
hieroglyphics	419.1		Silverware	
painting	698.1		domestic economy	642.7
Signal devices elec. eng.	621.3175		fine arts	739
servis meteorology	551.5		manufactures	671
U. S. civ. war	973.7417		Simarubæ botany	583.241
Signaling			¹ Simcoe co. Ont. history	971.317
communication	654.9		Similarity plane geom.	513.17
military	623.73		Simmental cattle	636.2372
Signals			Simmering cookery	641.73
electric	537.88		Simms, W. G. Am. fiction	813.35
in navigation acoustics	534.83		Simonides	
military mil. eng.	623.73		of Ceos Greek lyrics	884.4
railway engineering	625.16		Samos " satire	887.2
telegrafic	654.9		Simony canon law	348
Signatures printing	655.27		eccles. polity	262.9
Signs of deth physiol.	612.0131		Simple	
pregnancy	618.22		state pol. sci.	321.01
Sikh religion	299.11		stationary engines	621.1646
Sileneæ botany	583.153		system suffrage	324.224
¹ Silesia, Austria history	943.73		truss bridge engin'g	624.32
¹ Prussia "	943.14		Simplex telegraf engin'g	621.38231
Silesian merinos sheep	636.36734		Sin doctrin	233.2
Silhouets	741		Sinai ancient history	939.48
Silicates mineralogy	549.6		¹ modern "	953.1
Silicon inorgan. chem.	546.28		Sinaitic inscriptions	492.1
Silius Italicus Lat. poetry	873.4		¹ Sinaloa, Mexico history	972.3
Silk			¹ Sind, India "	954.7
culture	638.2		⁴ Sindi language	491.41
domestic economy	646.14		¹ Singapore history	959.5
dyeing chem. technol.	667.2		travels	915.95
manufacture	677		Singers, lives of	927.8
mills architecture	725.41		⁴ Singhalese language	491.48
worm agriculture	638.2		Singing	
zoology	595.78		physiology	612.784
Silkies poultry	636.5883		public worship	264.2
Silo machinery	631.363		vocal music	784

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Single			Sizes	
acting engines	stat'n'ry	621.1645	standard	literary meth. 029.1
	structure	621.11221	type	printing 655.24
altitude, finding time by		529.73	Sjöberg, Erik	Swed. satire 839.7762
course	curriculum	375.0012	Skating	796
curvd lines	descr. geom.	515.12	rinks	architecture 725.86
surface	" "	515.14	Skeeing	sports 796
expansion engines		621.11261	Skeleton	
fluid cells	engineering	621.3533	human	611.71
member constituency		324.221	leaves	fancy work 746
phase electric mach.		621.313321	of animals	comp. anat. 591.49
standard coinage		332.42	descrip.	" 591.79
tax		336.22	Skeletons, preparation of	579.1
vote	suffrage	324.223	Skelton, J:	English poetry 821.22
Sinking fund	finance	336.33	Skepticism	
Sintuism		299.5	heresies	273.8
Sinus	surgery	617.23	natural theology	211
pocularis	anat.	611.6231	philosofic systems	149.7
¹ Sioux City, Ia.	history	977.7411	philosofy	186.1
co. Ia.	"	977.713	Skeptics	biografy 922.91
Siphonophora	zoology	593.72	Sketches	
Siphons	prac. chem.	542.66	hospital	Great war 940.476
Sirenia	mammals	599.5	U.S. civ."	973.776
Sirocco	meteorology	551.51	Sketching	drawing 741
Sirup	adulterations	614.311	Skew arches	architecture 721.42
Sisal	fibers	633.5771	bevel gears	engin'g 621.8332
¹ Siskiyou co. Cal.	hist.	979.421	Skiing	sports 796
Sisterhoods	parochial work	255	Skild labor	pol. econ. 331.7
relig. orders		271.9	Skill, games of	amum'ts 794
Sisters of Charity		271.91	ethics	175.4
Mercy		271.92	Skim colter	plow 631.3127
Site			milk	dairy 637.147
dwellings	dom. econ.	643.1	Skimmers	dairy 637.23211
library bildings		022.1	Skin	
school bildings		371.61	absorption	612.384
Sithe			admin. of medicin	by 615.67
bush		631.3117	anatomy	611.77
cradle	harvesting tools	631.3513	diagnosis	pathology 616.073
harvesting tools		631.3512	diseases	" 616.5
Sittingroom	furnishings	645.65	dressing	taxidermy 579.4
¹ Sivas, Asia	Turkish hist.	956.5	fertilizers	agriculture 631.843
Sivs	crop cleaning	631.3621	function	physiology 612.79
practical chemistry		542.22	grafting	617.47
Sixth nerv			loss of heat	
anatomy		611.8316	by evaporation	612.524
eye		612.8466	radiation	612.521
nucleus		611.8175	plow	631.3125
physiology		612.8196	Skirmishing	mil. science 355.42
Size notation for books		025.3	Skull	anatomy 611.91
of college		378.15	bones	611.714
sewers		628.22	craniology	573.7
Sizes			¹ Skye, Scotland	history 941.17
of books	lib. econ.	025.8		
publishing		655.53		

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Skylights			Sleeping		
architec. construction	721.55		sickness	616.9681	
design	729.35		Sleight of hand	791	
library bildings	022.722		Slide rule math. instrum.	510.8	
Slags			Slides		
fertilizers agriculture	631.853		gun mounts	623.4352	
metallurgy	669.8		lantern education	371.335	
Slander ethics	177.3		mounting of microscopy	578.6	
Slang college	378.014		Sliding		
³ English language	427		friction mechanics	531.44	
³ modern Eng. lan.	427.09		scale wages	331.22	
Slate roofing bilding	695.2		shelvs lib. storage	022.46	
turkey	636.5925		⁴ Sligo, Ireland history	941.72	
Slater fund education	373.75		Slime treatment ore dres.	622.76	
Slates bilding stones	553.54		Sloan shorthand	653.38	
lithology	552.44		Slöjd education	371.422	
Slating bilding	695		Sloth ethics	179.8	
Slaughter			Sloths mammalia	599.3	
house refuse fertilizers	631.843		Slotters machine tools	621.912	
houses air pollution	614.741		⁴ Slovakian language	491.87	
indust. sanit.	628.549		⁴ Slovenian "	491.84	
mt, Va. U. S. civil war	973.7328		⁴ old "	491.81	
Slaughtering			Slow cookers	643.338	
industry	664.9		Sloyd education	371.422	
method of animal hyg.	614.97		Slugs zoology	594.3	
Slave			Sluice gate wheels	621.224	
holding slavery	326		Sluices engineering	621.29	
labor polit. econ.	331.58		Small		
law, fugitiv slavery	326.973		arms care of	623.4814	
trade "	326.1		manufacture	683	
Slavery	326		mil. efficiency	623.44	
abolition of, U. S. history	973.714		farm	631.1161	
causes of U. S. civil war	973.7111		fruits agriculture	634.7	
constitut. amendment	342.73		intestin anatomy	611.341	
U. S. hist.	973.81		numbers entertaining	642.42	
emancipat'n proclamat'n	973.714		pox diseases	616.912	
Slaves biography	326.92		inoculation	614.471	
fugitiv U. S. civil war	973.7115		public helth	614.521	
Slavic			swine, black	636.421	
languages	491.8		white	636.422	
literatures	891.8		vs large college	378.15	
philosofers	197		Smearcase	637.356	
biografy	921.7		Smell anatomy	611.86	
¹ Slavonia history	943.93		physiology	612.86	
⁴ Slavonic church language	491.81		senses	152.3	
Sleds farm transport	631.3723		sensory functions	612.82556	
Sleep			Smelting metallurgy	669.8	
and rest hygiene	613.79		Smith, H. Danish misc.	839.8825	
of plants botany	581.54		S. English essays	824.72	
physiology	612.8217		Smith college educ.	376.8	
walking	135		¹ Smithfield, W. Va. hist.	975.418	
Sleeping			Smithsonian		
balconies furnishings	645.8		exchanges lib. econ.	021.852	
location	643.57		institution	506	

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- Soeurs de bon Secours
 sisterhoods 271.94
¹Sofala, Africa history 968.1
 Soft cheese, ripend 637.353
 unripend 637.352
 commisurre anat. 611.8144
 drinks recipes 641.87
 Sogdiana ancient hist. 939.61
 Soil
 conditions affecting helth 614.77
 disinfection, in contag. dis. 614.48
 foundations architecture 721.11
 bridge 624.151
 Soils
 agriculture 631.4
 chemic analysis 543.7
 Soja bean field crops 633.34
 garden " 635.655
 Solanaceæ botany 583.79
¹Solano co. Cal. hist. 979.452
 Solar
 day chronology 529.1
 engins engineering 621.47
 observation astron. instr. 522.56
 parallax, transit of Venus 523.92
 physics 523.7
 plexus anatomy 611.83931
 spectrum astronomy 523.77
 system descrip. astron. 523.2
 year chronology 529.2
 Solariums dom. econ. 643.57
 Soldiers
 cemeteries, national 719
 food for hygiene 613.21
 homes architecture 725.59
 institutions 362.8
 lives biography 923.5
 military science 355
 orphan schools 362.7
 suffrage limitations 324.171
 voting by pol. sci. 324.162
 Sole fishes 597.5
 Soleus muscle anatomy 611.73854
 Sol-fa method music 784.9
 Solid
 beams bridge engin'g 624.22
 fuels steam engin'g 621.18222
 state chemistry 541.31
 Solidification heat 536.43
 prac. chem. 542.65
 Solids
 geometry 513.3
 properties of physics 539.2
 skin penetration by 612.7911
 Solitary
 confinement punishm'ts 343.2
 glands anatomy 611.3445
 study self education 374.1
 vice ethics 176.4
 Solitude 177.8
 Solognote sheep 636.3442
¹Solomon ilands history 993.5
 Solomon, Song of Bible 223.9
 Solos vocal music 784.81
 Solubility theoretic chem. 541.34
 Solution
 chemic 542.61
 of plane triangles trigo. 514.5
 spheric " " 514.7
 trigonometric equations 514.4
 Solutions quantitativ anal. 545.6
 skin absorption 612.7913
 Solvents prac. chem. 542.61
¹Somali, Africa history 967.7
 Somatology anthropology 573
 Somatopleure embryology 611.01364
¹Somerset co. Eng. history 942.38
 travels 914.238
 1 Me. history 974.12
 1 Md. " 975.223
 1 N. J. " 974.944
 1 Pa. " 974.879
 Somerset horn sheep 636.3241
¹Somme, France history 944.26
 Sommelier ram hyd. engins 621.274
 Somnambulism 135
 Somnambulists' lives 920.9
 Sonata organ music 786.81
 piano " 786.41
 Song
 festivals music 784.5
 of Solomon Bible 223.9
 the three children Bible 229.5
 Songbooks folklore 398.8
 Songs 784
 ⁵ and ballads Eng. lit. 821.04
 music 784.3
 for female voices 784.88
 male " 784.87
 kindergarten methods 372.215
 with music 784
⁵Sonnets Eng. literature 821
¹Sonoma co. Cal. hist. 979.418
¹Sonora, Mexico " 972.1
 Sons of
 the Amer. revolution 369.133
 revolution 369.134
 veterans, U. S. army. soc. 369.165

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Sophist philosophy	183.1	South	
Sophocles Greek drama	882.2	America description	918
Sophoreae forage crops	633.371	eccles. history	278
⁴ Sorbian language	491.88	geology	558
Sorcery	133.4	¹ history	980
Sore throat diseases	616.31	statistics	318
Sores surgery	617.24	American languages	498
Sorghum cereals	633.174	American travels	918
manufacture	664.1	¹ Atlantic states history	975
sugar plants	633.62	¹ Australia, "	994.2
Sorterup, Jørgen Dan.poet.	839.8141	¹ Bend, Ind. "	977.289
Soteriology doct. theol.	234	travels	917.7289
hygiene	613	Carolina, U. S.	
Soto, H. de discov. of Am.	973.16	¹ history	975.7
¹ Soudan, Africa history	966.2	secession U. S. hist.	973.713
¹ Egyptian "	962.6	For military history, see subdivisions of Special campaigns and Military history under 973.3. 973.52, 973.7 and 973.89	
Soul		¹ Central states Am. hist.	976
future life doct. theol.	237	travels	917.6
nat. "	218	Dakota U. S.	
in animals	591.51	admission U. S. hist.	973.86
metaphysics	128	¹ history	978.3
origin metaphysics	129	military hist. Span. war	973.89483
theories physiology	612.0134	U. S. civ. war	973.7483
¹ Soulanges co. Que. hist.	971.4265	travels	917.83
Soumet, A. French drama	842.71	Devon cattle	636.2261
Sound		sheep	636.3218
mesology	612.01445	Dum "	636.3218
physica	534	German swine	636.431
sensitivity to physiol.	612.85876	Hams cattle	636.2262
Sounders, telegraf eng.	621.3833	Mt, Md. battle	973.7336
Sounding		¹ Russia history	947.7
machines ship outfit	623.86	travels	914.77
Soundings marine survey.	526.09	¹ Sea islands history	996
physical geog.	551.46	travels	919.6
Soundness		scheme stocks	332.6
of animals zootechny	636.08115	¹ U.S. history	975
Sound-producing organs		For military history of the south or its individual states, see subdivisions of Special campaigns and Military history under 973.3. 973.52, 973.7 and 973.89	
comparativ physiology	612.786	Southern	
zoology	591.77	army life U. S. civ. war	973.784
Sounds		Atlantic ocean	551.464
muscular physiol.	612.7418	dewberry	634.7172
of hart "	612.1715	home life U. S. civ. war	973.784
respiratory "	612.2161	¹ Maryland history	975.24
systems of fonology	414	prisons "	973.771
Soup cookery	641.73	states, U. S. Amer. revol.	973.345
physiol. of nutrition	612.39282	¹ history	975
Sources of		Southerne, T: Eng. dram.	822.52
animal heat physiology	612.51		
Sourmilk cheese	637.357		
" cowsmilk	637.356		
Soursop	634.411		
South			
¹ Africa history	968		
travel	916.8		

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Southey, R. Eng. poet.	821.73	Spanish	
Souvestre, É. Fr. fiction	843.75	language	460
¹ Southwest U. S. history	978	lime fruit culture	634.652
travels	917.8	literature	860
Soveren		Maltese goat	636.396
state political science	321.01	misrule in Cuba U.S.hist.	973.801
Soverens biography	923.1	philosofers biography	921.6
Soverenty pol. science	320.157	philosofy	196
Sowers, special	631.3318	plum	634.443
Sowing		potato	635.22
broadcast	631.5311	poultry	636.56
machinery	631.33	rule Mexican history	972.02
Soy bean forage crops	633.34	salsify	635.167
garden "	635.655	sheep	636.36
Space astronomy	523.14	succession, war of	
metaphysics	114	Eng. history	942.069
sense physiology	612.881	French "	944.033
Spaders machines	631.3115	U. S. "	973.25
Spades digging tools	631.3111	swine	636.46
trail ordnance	623.43565	war U. S. history	973.89
Spadicifloræ botany	584.6	veterans, soc. of	369.181
Spading tillage	631.511	Spar economic geology	553.66
harrow	631.3137	Spars shipbuilding	623.85
Spain		Spark	
administration	354.46	arresters locomotivs	621.1334
antiquities	913.46	induction electricity	537.52
Arabs in history	946.02	telegrafy	621.38421
architecture	720.946	Sparring amusements	796
botany	581.946	Sparrows agriculture	632.688
finance	336.46	zoology	598.8
geology	554.6	Sparta ancient history	938.9
¹ history	946	Spartan supremacy Gk hist.	938.06
maps	912.46	Spas, bildings for architect.	725.75
peerage	929.76	hygiene	613.12
schools	379.46	Speakers legis. bodies	328.3621
statistics	314.6	oratory	808.5
travel	914.6	Speaking tubes communi.	654.8
treaties	341.246	lib. econ.	022.947
treaty with U. S. hist.	973.43	Spearmint	635.72
war " "	973.89	Special	
other topics see table 1		bills legislation	328.376
Spanish		committees legislation	328.3627
¹ America history	972	days school methods	371.365
travels	917.2	legislation pol. sci.	328.243
American war, naval		material lib. acquis.	025.29
and military order of	369.183	admin.	025.17
architecture, Romanesque	723.46	nationalities, schools for	371.98
armada Eng. history	942.055	procedure legislation	328.379
Span. "	946.04	ranks education of	371.96
art	709.46	schools gymnastics in	371.7325
Austrian ascendancy		man. train'g in	371.424
Ital. history	945.07	sessions legislativ bodies	328.358
discovery of America	973.16	types education of	371.97
inquisition persecutions	272.2	Specialization of libraries	025.212

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Specie				Speed			
circular	U. S. history	973.56		ship design		623.81	
payment	banking	332.4		shorthand		653.03	
	U. S. history	973.83		Spegel, Haquin	Swed. poet.	839.7133	
Species				Spelin	universal lang.	408.9	
of animals	zootechny	636.08211		Spelling			
origin of		575.8		³ books	Eng. lang.	428.1	
Specific				³ phonetic	" "	421.4	
customs	taxation	336.26		³ reform	" "	421.4	
gravity	chemistry	542.33		Spencer, Herbert	" philos.	192.8	
	liquids	phys. 532.4		¹ Spencer co. Ind.	history	977.231	
	physics	531.54		Spenser, E.	Eng. poetry	821.31	
	soil	631.431		Sperm cells	development	591.171	
Specifications for bildings		692.3		embryology		611.01311	
Specifics	therapeutics	615		physiology		612.616	
Specimen books	printing	655.24		Spermatie			
Specimens				artery	anatomy	611.1368	
arrangement in museums		579.7		cord	"	611.639	
mounting of		579.5			diseases of	616.68	
preservation in museums		579.8		nervs	anatomy	611.8393	
Spectacles				secretions	phys. zool.	591.146	
disorders of vision		617.75		vein	anatomy	611.1466	
optics		535.86		Spermatogenesis	embryol.	611.01312	
Specters		133.1		Spermatorrhoea	diseases	616.69	
Spectroscope	optics	535.84		Speroni, Sperone	It.dram.	852.41	
Spectroscopy				Speusippus	Greek philos.	184.2	
astronomy		522.67		Sphagna	botany	588.1	
of blood	physiology	612.11115		Sphenoid bone	anatomy	611.7152	
urin	"	612.461175		Sphenopalatin			
Spectrum				arteries	anatomy	611.133281	
analysis	chemistry	544.6		ganglion	"	611.89154	
	optics	535.84		Spheres			
	qualitativ anal.	544.6		of influence	pol. sci.	321.027	
of comets	astronomy	523.67		perspectiv	math.	515.65	
meteors	"	523.57		strength	engin'g	620.11284	
moon	"	523.37		Spheric			
stars	"	523.87		astronomy		522.7	
sun	"	523.77		coordinates	astronomy	522.71	
Speculation	banks	332.6		excess	triangulation	526.41	
	ethics	174.5		geometry		513.41	
Speech				projections	descr. geom.	515.5	
freedom of	pol. sci.	323.443		shells	ordnance	623.45113	
impediments of		612.78		trigonometry		514.6	
organs of	acoustics	534.7		trigonometry			
	human anat.	611.2		computing	triangulat'n	526.44	
philology		400		Spheroconics	anal. geom.	516.58	
phonology		414			mod.	513.58	
physiology		612.78		Spheroidal	trigonometry		
visible	compar. philol.	414		computing	triangulation	526.45	
⁶ Speeches	English oratory	825		Sphincter muscle	of eyelid	611.7325	
Speed				Sphinx	Egyptian mythol.	299.31	
horse		636.12		Sphygmograf	diagnosis	616.071	
logs	shipbilding	623.86			physiology	612.161	
of trains	railwy engin'g	625.26					

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- Sphygmomanometry physiol 612.1611
¹Spice islands history 991.3
 travel 919.13
 Spices adulterations 614.314
 agriculture 633.83
 chemic technol. 664.5
 Spiders zoology 595.4
 Spiegelschaf 636.3331
 Spielhagen, F; Ger. fiction 833.84
 Spies **American revolution** 973.385
 Great war 1914-19 940.485
 international law 341.3
 U. S. civil war 973.785
 Spikes railway engin'g 625.15
 Spina bifida surgery 617.32
 Spinach 635.41
 Spinal
 accessory nerv anatomy 611.83192
 larynx 612.7821
 physiol. 612.81992
 canal anatomy 611.828
 colum " 611.711
 cord
 action on blood vessels 612.1813
 anatomy 611.82
 functional diseases of 616.84
 physiology 612.83
 structural dis. of 616.83
 curvature diseases 616.73
 membranes anatomy 611.829
 nervs " 611.832
 ganglions of " 611.892
 poisons therapeutics 615.97
 veins anatomy 611.1457
 Spinalis dorsi " 611.7315
 Spindles stone age 571.26
 Spine, curvature of dis. 616.73
 Spinning manufactures 677
 Spino-
 costal muscles anat. 611.7312
 dorsal " " 611.7313
 humeral " " 611.7311
 Spinoza German philos. 193.9
 pantheism 147
 Spiral ganglion anatomy 611.89181
 gears mech. engin'g 621.8333
 Spirals anal. geometry 516.26
 Spires
 architectural construction 721.57
 architectural design 729.35
 Spirit doctrinal theol. 233.5
 leveling, geodesy 526.36
 Spiritism 133.9
- Spiritual
 body doctrinal theol. 233.5
 heredity " " 233.3
 mental charac. 136.3
 metaphysics 129.2
 Spiritualism
 metaphysics 111
 occultism 133.9
 sects 289.9
 Spirituous liquors
 chemic technology 663
 temperance 178
¹Spitzenberg history 998
 travels 919.8
 Spitzka's tract anatomy 611.8255
 Splanchnopleure embryol. 611.0136
 Spleen **anatomy** 611.41
 diseases of 616.41
 physiology 612.41
 Splenic
 artery anatomy 611.13642
 fever diseases 616.956
 nervs anatomy 611.8393
 vein " 611.1494
 Splenius muscle " 611.7314
 Splenotomy physiology 612.412
 surgery 617.44
 Splice grafting 631.54132
 Splints fibers 633.588
 surgery 617.92
 Splügen pass Alps 914.94
 Spoils system civ. servis 351.6
 Spongesum histology 611.01843
 Sponges fossils 563.4
 zoology 593.4
 Spontaneity metaphysics 127
 Spontaneous
 combustion chemistry 541.36
 generation biology 576.1
 physiology 612.601
 Sporadic cholera diseases 616.933
 Spores horticulture 631.5317
 Sports, outdoor 796
 parlor 793
 Spots on the sun 523.74
 Spotted fever diseases 616.925
 race cattle 636.2374
 Spottsylvania C. H. Va.
 U. S. civil war 973.7367
 Sprague, C: Am. poetry 811.28
 Sprains surgery 617.17
 Spraying agriculture 632.94
 Spreaders, hay 631.3531
 mixt 631.334

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Spring tides	525.63		
¹ Springfield, Ill. history	977.356		
¹ Mo. "	977.8781		
Springfield, N. J. Am.rev.	973.3365		
¹ O. history	977.1491		
Springs			
bearing railway engin'g	625.21		
hot physic. geology	551.23		
mineral economic geol.	553.7		
physical geografy	551.49		
strength of materials	620.11285		
waterworks	628.11		
Springtails pests	632.71		
zoology	595.71		
Sprinkling of streets			
sanitation of towns	628.46		
Springtooth harrow	631.3133		
Spud farm tools	631.5332		
Spudding bit	631.3113		
Spur gears mech. engin'g	621.8331		
Spurwingd goose	636.59889		
Squabs poultry	636.596		
Squadron			
Atlantic U. S. civ. war	973.756		
Span. "	973.895		
Gulf civ. war	973.756		
military science	355.31		
naval "	359		
Squadrons, confederate			
U. S. civil war	973.757		
Squalides fishes	597.3		
Squares			
least geodesy	526.5		
probabilities	519.8		
magic arithmetic	511.61		
tables of	510.8		
Squaring the circle geom.	513.21		
Squash bug pests	632.75		
Squashes	635.62		
Squatter soverenty			
constitutional history	342.73		
slavery	326.973		
U. S. history	973.64		
Squids zoology	594.5		
Squinting eye diseases	617.76		
Squirrels pets	636.9		
zoology	599.3		
Staatenbund pol. sci.	321.022		
Stability			
aviation	629.186		
ship design	623.81		
Stable manure air pollut.	614.761		
fertilizers	631.86		
Stables			
air pollution	614.761		
architecture, private	728.94		
public	725.38		
care of zootechny	636.0832		
farm bildings agric.	631.22		
feeding in zootechny	636.08421		
shelter "	636.0831		
Stackers, hay	631.3534		
Stackhousiæ botany	583.274		
Stacks			
elec. lighted lib. bldg	022.77		
library economy	022.43		
Stadia surveying	526.91		
Stadiums architecture	725.82		
Stael Holstein, A.L.G. Fr.fic.	843.62		
Staf			
heds library economy	023.72		
library economy	023.5		
military science	355.33		
music	781.2		
¹ Stafford, England history	942.46		
Stage			
coach sociology	386		
useful arts	656		
ethics	175.2		
theater	792		
Stagnelius, E. J. Swed.poet.	839.7164		
Stained glass			
decoration	748		
design architecture	729.8		
library decoration	022.348		
sacred ornaments	247.4		
school decoration	371.636		
Staining			
chemic technology	667.6		
reactions of urin	612.461174		
substances, physiol. chem.	612.0154		
Stair furnishing dom. econ.	645.61		
Stairbilding bilding	694.8		
stereotomy	515.83		
Stairs architectur. design	729.39		
moving mech. eng.	621.8676		
Stakes plant support	631.3452		
training	631.5461		
Stalactites and stalagmites	551.92		
Stalk cutter	631.3166		
Stalls			
shelter zootechny	636.0831		
Stammering	616.87		
Stamp			
accession lib. economy	025.244		
act English history	942.073		
U. S. "	973.3111		

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- Stamp
 collecting 383
 embossing lib. economy 025.252
 laws finance 336.27
 perforating lib. economy 025.252
 Stamped leather bilding 698.8
 Stamping
 books, etc. lib. econ. 025.252
 designs fancywork 746
 machines, hydraulic 621.266
 Stamps
 butter dairy 637.2328
 electric machinery 621.318
 postage postoffis 383
 practical printing 655.35
 Stampt leather bilding 698.8
 Standard
 library lib. economy 022.51
 sizes literary methods 029.1
 solutions volumet. anal. 545.6
 time 529.75
 Standards
 library lighting fixtures 022.764
 of admission schools 371.21
 excellence zootechny 636.08114
 living laboring classes 331.83
 Standing
 army 355.35
 committees legis. bod. 328.3627
 Standpipes waterworks 628.12
 Stanhope, P. D. Eng. letters 826.52
¹Stanislaus co. Cal. hist. 979.457
¹Stanstead co. Que. " 971.467
 Stanwix, Fort Am. revol. 973.3334
 Stapedius muscle 611.857
 Stapes anatomy of ear 611.857
 Star
 apple 634.433
 family fruits 634.43
 catalogs astron. observ. 524.8
 descrip. astron. 523.89
 chamber Eng. history 942.05
 clusters 523.85
 connections elec. eng. 621.3191333
 drift 523.83
 fish fossils 563.92
 zoology 593.92
 shells mil. engin'g 623.45446
 Starch
 adulterations 614.312
 chemistry of food 641.13
 composition physiology 612.396111
 gastric digestion " 612.3221
 laundry supplies 648.18
 Starch
 manufacture 664.2
 plants 633.68
 protectiv external agents 615.776
 tryptic digestion 612.3421
 vegetable drugs 615.331
 Starching laundry process 648.25
 Starchy foods physiology 612.39273
¹Stark co. Ill. history 977.351
¹ O. " 977.162
¹Starke co. Ind. " 977.292
 Starkenburg goat 636.393
 Stars descriptiv astronomy 523.8
 Starting
 apparatus aviation 629.187
 Starvation dietetic diseases 616.39
 hygiene 613.24
 State
 aid to libraries 021.831
 and church, *see* Church
 individual pol. sci. 323.4
 social groups " 323.3
 wages political econ. 331.26
 as moral agent pol. sci. 320.154
 banks 332.12
 capitols architecture 725.11
 control of cities adminis. 352.002
 council French gov't. 354.4405
 council Ger. gov't 354.4308
 dep't U. S. " 353.1
 dets finance 336.3
 education 379
 ethics 172
 governments 353.9
 labor wages 331.262
 laboratories adulterat. 614.3
 law reports U. S. 345.42
 laws, uniform 328.22
 libraries 027.5
 medicin 614
 ministries of architec. 725.12
 monopolies 336.19
 ownership of land 333.1
 political science 320
 prisons architecture 725.61
 properties finance 336.1
 representation legis. bod. 328.3341
 rights U. S. const. law 342.73
 socialism 335.6
 supervision of libraries 021.81
 schools 379.15
 trials criminal law 343.1
 universities 378
 state educat. 379.16

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Statecraft	320.2	Steam	
'Staten Island, N. Y. hist.	974.726	boilers engineering	621.18
States		collectors engineering	621.18479
general Fr. legislature	328.449	cooking appliances	643.337
German government	354.4307	distribution	621.185
' of the Church, Italy hist.	945.6	locomotives	621.1342
States' rights		dredges portable engines	621.154
causes of U. S. civil war	973.7117	drills " "	621.154
constitutional law	342.73	engin agriculture	631.3715
Statesmanship polit. sci.	320.2	mech. eng.	621.1
Statesmen biography	923.2	physics	536.81
Static		engineering	621.1
electricity physics	537.2	engins, management of	621.195
cell physiol.	612.0144212	fitting	696.3
Statics	531.2	generation engin'g	621.18
chemic	541.39	heated apparatus, cookery	641.587
Stationary		kitchen	643.337
boilers engineering	621.18424	heating bilding	697.5
engins	621.16	boiler plants	621.19
induction apparatus eng.	621.314	jets mech. engin'g	621.69
Stationery		mine ventilation	622.43
library correspondence	025.151	navigation sociology	387
printing	025.121	useful arts	656
paper manufacture	676	physics	536.44
Stations		pipes	696.3
central elec. engineering	621.312	engineering	621.185
fire alarm architecture	725.19	plow agriculture	631.3123
police "	725.18	traction engins	621.146
railway passenger "	725.31	power electric plants	621.312132
Statistical		plants	621.19
methods	311	pumps engineering	621.64
theory of wages	331.211	mine drainage	622.54
Statistics	310	reapers traction engines	621.146
labor	331	ships naval architecture	623.8
library administration	025.123	shovels portable engins	621.154
see also special subjects		threshers " "	621.156
Statius, P. P. Lat. poetry	873.5	transmission engin'g	621.185
Statuary dom. economy	645.5	transportation, useful arts	656
sculpture	730	turbins engineering	621.165
Stature		marine	621.123
influence on respiration	612.2291	vessels shipbiding	623.823
Status		Steamboat inspection	614.864
professional, of teachers	371.15	Steaming cookery	641.75
public " "	371.104	Steapsin tryptic digest.	612.3423
social " "	371.105	Stearin organ. chem.	547.7
Statute law American	345	Stearns duplex telegraf	621.382322
British	346	Steatoses, hepatic physiol.	612.3541
Stays		Stedman, E. C. Am. poet.	811.43
locomotiv boiler	621.1332	Steel	
plant support	631.3452	bilding material	691.7
Steam		bildings, library	022.21
baths prac. chemistry	542.46	bridges, archt	624.67
boiler inspection eng.	621.1947	engraving	762
prot. of life	614.837	manufactures	672

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- Steel
 metallurgy 669.1
 piers and columns arch. 721.35
 ships 623.84
 strength of materials 620.17
 structures architect. 721.93
 works " 725.43
 engineering 621.7
- Steele, R: Eng. essays 824.53
- Steeplechaser 636.122
- Steeple architecture 729.35
- Steering
 apparatus aviation 629.185
 ballooning 629.165
 committee legis. proced. 328.375
 gear shipbuilding 623.85
 seamanship 656
- Stege, H. T. Dan. drama 839.8234
- Stellar astronomy 523.8
- Stelleridea zoology 593.93
- Stem
 cuttings 631.5354
 grafting 631.54143
 suckers 631.5331
- Stencil decoration 747
- Stencils 652
- Stenografers lib. corresp. 025.152
 staff 023.761
- Stenografy** 653
- Stensen, Niels Dan. misc. 839.883
- Stenson's duct anatomy 611.3165
- Step grates steam eng. 621.18354
- Stephen English history 942.024
- ¹Stephenson co. Ill. " 977.333
- Stepladders lib. economy 022.941
- Sterculiaceæ botany 583.18
- Stereochemistry 541.6
 organic 547.2
- Stereographic
 projections descr. geom. 515.53
- Stereometer spec. grav. 531.54
- Stereometry gaging 511.8
- Stereopticon optics 535.86
 education 371.335
- Stereoscopes optics 535.86
- Stereotomy** descr. geom. 515.8
- Stereotyping printing 655.22
- Sterility diseases 616.69
 gynecology 618.17
- Sterilization, food preserv. 641.4
 infant feeding 613.22
- Sterilization, soil 631.46
- ¹Sterling, Scotland history 941.36
- Sterne, L. Eng. fiction 823.62
- Sternoclavicular joints 611.7271
- Sternocleidomastoid muscle 611.7331
- Sternohyoid muscle 611.7332
- Sternothyroid muscle 611.7334
- Sternum anatomy 611.713
- Stethometry physiology 612.211
- Stethoscope diagnosis 616.074
- ¹Steuben co. Ind. history 977.278
¹ N. Y. " 974.783
- ¹Steubenville, O. " 977.1691
- Stevens, Ft. D.C. U.S. hist. 973.7369
- Steward dom. economy 647.21
- Stewart, Dugald Eng. phil. 192.6
- Stewing cookery 641.74
- Sthen, H. K. Dan. drama 839.8232
- Stiftschulen diocesan sch. 377.4
- Stigmata devotional 248
- Stijl, Simon Dutch misc. 839.384
- Stil births pregnancy 618.39
 vital statistics 614.131
 life painting 758
- Stilling's canal anat. 611.8447
 nuclei " 611.8223
- Stillwater Amer. revol. 973.3333
- Stils chem. technol. 668.7
 prac. chem. 542.48
- Stilton cheese 637.3542
- Stilts
 concrete arch. foundat. 721.166
- Stimulants
 action of hygiene 613.8
 and narcotics medicin 615.78
 ethics of using 178
 manufacture 663
 of circulatory system 615.711
 physiology 612.393
- Stimulation
 electrophysiology 612.01442
 nervous
 chemic phenomena 612.814
 electric " 612.813
 nervous
 histologic phenomena 612.815
 physiologic psychology 612.8211
 thermic phenomena 612.814
 of hart physiology 612.1722
 muscle " 612.74162
 reaction to psychometry 612.8211
- Stipa fibers 633.583
- Stipple engraving 765
- Stirpiculture hygiene 613.94
- Stirrup bone anatomy 611.857
- Stjernhjelm, G. Swed. poet. 839.7131

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Stock			Stone		
exchanges	priv. finance	332.6	cutting	masonry	693.12
farm types		631.145	sculpture		731
catalogs		636.08187	stereotomy		515.81
farms		636.0813	diseases		616.62
formation of zootechny		636.082	floors arch. construc.		721.62
grafting		631.5411	foundations architecture		721.1332
jobbing		332.6	fruits		634.2
live agriculture		636	gatherer		631.3117
raising zootechny		636.08	houses, city	arch.	728.31
selection	"	636.0811	detacht	"	728.37
taking	library econ.	025.8	semi	"	728.32
tickers	elec. engin'g	621.38251	village	"	728.64
yards	architecture	725.27	natural bilding material		691.2
'Stockholm	history	948.7	strength		620.132
	travels	914.87	pavements engineering		625.8
Stockings	costume	391.4	piers arch. construc.		721.32
	toilet	646.42	quarries prehist. archeol.		571.21
Stocks	polit. economy	332.6	remains, neolithic		571.24
'Stockton, Cal.	hist.	979.456	paleolithic		571.14
Stockwerks	econ. geol.	553.17	roads	engineering	625.86
Stoddard, R: H:	Am. poetry	811.41	rollers		631.3141
'Stoddard co. Mo.	history	977.895	walls	arch. construc.	721.22
Stoic philosophy		188	ware	manufactures	666.6
Stoichiometry	chemistry	541.9	work, bonds of masonry		693.11
Stoke, Melis	Dutch poet.	839.3114	Stonehenge	Eng. antiqui.	913.42
Stokers, mech.	steam eng.	621.1836	Stones		
Stolons		631.5332	bilding	econ. geol.	553.5
Stolze shorthand		653.34	ornamental	" "	553.8
Stomach			River, Tenn.	U. S. hist.	973.7337
administration of med. by		615.61	Stonington, Ct.		
anatomy		611.33	U. S. war of 1812		973.5236
diseases of		616.33	Stony Point	Am. revol.	973.3354
physiology		612.32	Stool layering		631.5343
Stone			Stopping	mining engin'g	622.27
age, early		571.1	Stoppage of wages		331.1
late		571.2	Stoppers	prac. chem.	542.25
and iron structures	arch.	721.96	Stopping teeth	dentistry	617.67
artificial			Storage		
bilding materials		691.3	batteries	elec. eng.	621.354
chem. tech.		666.8	bildings	architecture	725.3
piers and colums		721.33	cheese business		637.3352
strength engin'g		620.132	cold	"	725.35
walls architec.		721.23	crops		631.55
bilding materials		691.2	of electricity	engin'g	621.35
bildings, library		022.21	science		537.84
boats	farm transport	631.3733	explosivs, prot. of life		614.831
carving	sculpture	736	milk		637.1327
ceilings	arch. construc.	721.72	noxious materials		
columns	"	721.32	air pollution		614.75
construction	masonry	693.1	rooms	lib. econ.	022.4
' co. Mo.	history	977.8794	safe deposit	architec.	725.35
cutters' occupation	hyg.	613.63			

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Store			
and apartment bildings	725.22		
orders wages	331.235		
ships shipbiding	623.826		
Storehouse, library as	021.1		
Storehouses mfg plant	621.796		
R. R. archi.	725.33		
Storeroom dom. econ.	643.37		
Stores			
care and cleaning	647.9621		
cooperativ pol. econ.	334.5		
department	658		
retail architecture	725.21		
wholesale "	725.21		
*Stories English fiction	823		
kindergarten	372.214		
of animals	591.5		
Storm, Edward Dan. poet.	839.8154		
*Stormont co. Ont. history	971.375		
Storms			
electric	538.7		
meteorology	551.55		
wind meteorology	551.51		
Story, Isaac Am. satire	817.21		
*Story co. Ia. history	977.7546		
Story of Susanna Bible	229.6		
Stoves			
heating bilding	697.2		
kitchen equipment	643.23		
manufactures	672		
Stowe, Mrs H. B.			
Amer. fiction	813.37		
Strabismus eye diseases	617.76		
physiol.	612.8468		
*Strafford co. N. H. hist.	974.25		
Straight lines descr. geom.	515.11		
Straightening tools	621.983		
Strain, effects of diseases	616.983		
Strains bridge engin'g	624.17		
zootechny	636.08211		
*Strasburg history	943.44		
travels	914.344		
Strategy	355.4		
Stratification geology	551.81		
Stratified ore deposits geol.	553.14		
Stratigrafic geology	551.7		
Strato Greek philosofy	185.4		
Straw			
fibers dom. economy	646.185		
foods zootechny	636.08625		
Strawberry fruit culture	634.75		
tomato kitchen garden	635.647		
tree fruit culture	634.667		
Streams			
pollution factory waste	628.541		
sewage	628.39		
*Streator, Ill. history	977.327		
Street			
car stations architec.	725.317		
cleaning	628.46		
railways engineering	625.6		
management	656		
sociology	388		
sprinkling	628.46		
Streets			
engineering	625.7		
laying out of, hygiene	614.781		
local administration	352.7		
trees in san. engin'g	628.48		
Strength of			
guns mil. engin'g	623.51		
materials engineering	620.11		
molec. phys.	539.4		
Strengthend beams carpen.	694.3		
Stresses			
bridge engineering	624.17		
strength of materials	620.11246		
Stria corneæ anatomy	611.81325		
terminalis "	611.81325		
Striae acusticae "	611.81778		
Striate body "	611.8132		
Stricker, der Ger. satire	837.21		
Stricture of rectum dis.	616.35		
Strike geology	551.85		
Strikes political economy	331.89		
String bean	635.652		
Stringd instruments	787		
Strinnholm, A. M.	839.7862		
Striped muscles physiol.	612.74		
Strippers, corn	631.3554		
Strontium inorg. chem.	546.42		
*Strophe Eng. prosody	426.7		
Strowger telephone system	621.38576		
Structural			
botany	581		
diseases of brain and cord	616.83		
geology	551.8		
Structure			
formulae chemistry	541.6		
molecular physics	539.1		
of the universe astron.	523.11		
Structures			
composit architec.	721.94		
iron "	721.9		
Strychnia spinal poisons	615.97		
Strychnin nervous excit.	615.785		

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Stuarts	English history	942.06	Styrian fowls	636.536
	Irish history	941.56	sheep	636.3336
Stub, Ambrosius	Dan. lit.	839.8145	¹ Suabia, Germany hist.	943.37
Stubble cutter		631.3552	Suabian swine	636.431
	plow	631.3126	Subaqueous	
Stucco			foundations arch.	721.17
external masonry		693.61	bridges	624.157
village houses	architec.	728.64	Subarachnoid region	611.8194
Stud books		636.0822	Subclavian arteries	611.134
Student life and customs		371.8	glands	611.4638
self government		371.59	muscle	611.7353
Students			veins	611.1454
biografy		923.7	Subcontract	
college expenses		378.368	labor and wages	331.236
in U. S. civ. war		973.715	Subcostal arteries	611.1354
income		378.36	muscle	611.7357
relations to library		021.32	Subcrureus muscle	611.738225
voting by pol. sci.		324.164	Subcutaneous	
Studies			injections	615.63
order of curriculum		375.0011	tissue admin. of med.	615.63
Studios, art	architecture	727.7	anatomy	611.779
Study			Subiculum cornu ammonis	611.81311
Bible		220	Subintestinal vein	611.143
clubs, relation to library		021.41	Subject	
self education		374.21	bibliografies	016
furniture home		645.64	catalogs bibliografy	017
offis		651	library admin.	025.3
methods		371.3	Subjectivity	knowledge 121
rooms library economy		022.52	Subjects	
school architec.		727.1	allowable for arts degree	378.242
equip.		371.621	library accessions	025.211
self culture		374	of legislativ action	328.27
of special topics see subj.			of study curriculum	375.01-9
Stuffing fibers		633.59	Sublibrarians	lib. econ. 023.72
Stump			Sublimation	prac. chem. 542.48
extractor		631.3117	Sublime and beautiful	701
jumper		631.3127	Sublingual glands	611.3161
taild sheep, African		636.386	Submarine	
Asiatic		636.385	armor	627
Sturgeons	fishes	597.4	cables communication	654.5
Stuttering		616.87	elec. engin'g	621.3828
¹ Stuttgart	history	943.47	mines mil.	623.9
travels		914.347	telegraf communication	654.5
Style	costume	390	elec. engin'g	621.3828
dom. econ.		646	sociology	384
library bildings		022.341	tunnels mining engin'g	622.26
literary rhetoric		808	warfare mil.	623.9
Styles of type	printing	655.24	naval	623.9
Stylidiæ	botany	583.57	Submarines	shipbilding 623.825
Stylohyoid muscle		611.7344	Submaxillary ganglion	611.89156
Styracæ	botany	583.686	glands	611.3161
¹ Styria, Austria	history	943.65	Submental glands	611.462
travel		914.365	Submerged vessels	623.825
Stys, hog	air pollutions	614.762	Submersion, asphyxia by	612.2322

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- Suboccipital nervs 611.8331
 Subscapular arteries 611.1341
 muscle 611.73716
 Subscription
 book publishing 655.57
 dep't lib. privileges 024.78
 libraries 027.3
 to creeds eccles. polity 262.8
 39 articles Ang. ch. 283.42
 Subscriptions
 library staf rules 023.93
 support 021.95
 Subsidence of sewage 628.33
 Subsidies
 library local support 021.91
 state aid 021.83a
 protection 337.4
 public school 379.124
 ship 387
 wages political econ. 331.225
 Subsistence ration 612.3952
 Subsoil plow 631.3126
 Subsoiling tillage 631.512
 Substance metaphysics 111
 Substantia
 cinerea anatomy 611.8224
 nigra " 611.81541
 perforata anterior anat. 611.8133
 spongiosa " 611.8224
 Substations elec. engin'g 621.3126
 Substitute system suffrage 324.224
 Substitutes
 butter 637.28
 milk 637.18
 Substitutions
 algebra 512.86
 feeding zootechny 636.08445
 Subsurface
 condits road engin'g 625.78
 irrigation san. " 628.364
 packer agriculture 631.3144
 Subterranean
 telegraf communication 654.4
 elec. engin'g 621.31923
 Subthalamie tegmental reg. 611.8141
 Subways
 hygiene of ground 614.782
 road engineering 625.4
 sanitation 625.47
 Success in life ethics 174
 Succession
 apostolic eccles. pol. 262.11
 monarchic pol. science 321.6
 Succession
 to English crown 342.42
 property law 347.6
 Succory alkaloid plants 633.78
 salads 635.54
 Suckers, plant 631.5331
 Suckling, J: Eng. poetry 821.41
 Suckling zootechny 636.08411
 Sucroclastic ferments
 physiologic chemistry 612.01515
 Suction pump physics 533.85
 Suctoria parasitica ectozoa 616.9688
¹Sudan Africa history 966.2
¹ Egyptian " 962.6
 Sudoriferous glands 611.774
 Sue, Eugene Fr. fiction 843.74
 Suetonius Latin literature 878.7
 Suez canal engineering 626.9
 sociology 386
 Suffixes Eng. etymology 422.2
 Suffocation physiology 612.232
 protec. of life 614.82
¹Suffolk, co. England hist. 942.64
¹ Mass. " 974.46
¹ N. Y. history 974.725
 Suffolk cattle 636.2266
 down sheep 636.3235
 funch horse 636.1522
 swine, large 636.4246
 middle 636.4272
 small 636.4213
 Suffrage
 political science 324
 U. S. const. amendment
 const. hist. 342.739
 history 973.82
 pol. sci. 324.15
 Sufism oriental philosophy 181.5
 Sugar
 adulterations 614.311
 amount in liver 612.35211
 apple 634.412
 bean 635.653
 beets agriculture 633.63
 blood physiology 612.35212
 cane agriculture 633.01
 duty on 337.5
 food values 641.13
 formation in lactic secre. 612.66432
 harvesting 631.5566
 house prison Am. revol. 973.372
 in milk physiol. 612.66412
 manufacture 664.1
 milk 637.145

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Sugar			Summer		
nutrition	612.396		closing lib. econ.	024.44	
organic chemistry	547.3		dishes cookery	641.59 ²	
plants	633.6		houses arbors	717	
refinery	664.1		¹ iles, Bermuda history	972.99	
refining air pollution	614.734		iles, Bermuda travels	917.299	
vegetable drugs	615.332		pruning	631.542 ²	
Sugars			resorts amusements	791	
absorption in intestin	612.3327 ²		architecture	728.52	
stomach	612.3227 ²		savory	635.71	
changes in organism	612.3962		schools agriculture	630.713 ²	
chemistry of food	641.13		lib. econ.	020.712	
digestion in intestin	612.3322		self education	374.8	
stomach	612.3222		squash	635.621	
in urin	612.4618 ²		¹ Summers co. W. Va hist.	975.476	
tryptic digestion	612.3422		¹ Summit co. O. "	977.136	
Suggestion hypnotism	134		Summons		
therapeutics	615.851		legislativ bodies	328.353	
Suhm, P. F. Danish misc.	839.8845		Sumner, C: Am. oratory	815.33	
Suicide customs	394.8		assault on U. S. hist.	973.711 ⁴	
ethics	179.7		Sumner's method naviga.	527.4	
Suits in equity law	347.8		Sumptuary laws ethics	177.4	
Sulcomarginalis, fasciculus	611.8255		Sumter, Fort, S. C.		
Sulfate			naval hist. U. S. civ. war	973.735 ¹	
of iron agriculture	631.825		U. S. civil war	973.731 ¹	
Sulfates agriculture	631.833		Sun		
chem. tech.	661.6		baths therapeutics	615.831	
Sulfids mineralogy	549.3		cracks geology	551.83	
Sulfur			descriptiv astronomy	523.7	
chemistry	546.22		dials horology	529.78	
compounds air pollut'n	614.725		dried brick masonry	693.22	
in food physiol.	612.39243		effect on tides	525.62	
urin "	612.46163		light hygiene	613.19	
waters econ. geol.	553.74		maps and observations	524.7	
Sulfuric acid chem. tech.	661.2		motors engineering	621.47	
Sulky cultivators			pictures	770	
plow	631.3163		rooms dom. econ.	643.57	
¹ Sullivan co. Ind. hist.	977.241		stroke injuries	616.988	
¹ Mo. "	977.8235		worship	290	
¹ N. H. "	974.27		Sunbirds zoology	598.8	
¹ N. Y. "	974.735		¹ Sunbury co. N. B. hist.	971.543	
¹ Pa. "	974.859		¹ Sunda history	992	
Sullivan's exped. Am. rev.	973.3356		Sunday	263	
Sully-Prudhomme Fr. poet.	841.84		closing lib. and museums	263.7	
Sulphates chem. technol.	661.6		econ.	024.41	
Sulphids mineralogy	549.3		law	263.8	
Sulphur, see Sulfur			observance	263.4	
Sulpicians monastic ord.	271.75		opening lib. econ.	024.41	
Sultans poultry	636.573		school bildings arch.	726.4	
Sumac botany	583.292		libraries	027.8	
field crops	633.871		music	783.7	
Sumadia swine	636.472		schools	268	
¹ Sumatra history	992.1		work lib. econ.	023.632	
travel	919.21		polit. econ.	331.813	

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- Sundays labor holidays 331.817
 Sunesen, Anders Dan. poet. 839.8111
 Sunken
 tubes foundations 721.177
 wells " 721.176
 Sunn hemp 633.562
 Supercilia anat. 611.8476
 Superfetation animals 591.169
 Superfosfates agric. 631.855
 Superheaters, steam 621.1975
 Superintendence, bilding 692.61
 school 379.15
 Superintendent, household 647.21
 school 379.153
 Superior, Lake travels 917.7
 ¹ Wis. history 977.512
 Supernatural metaphys. 125
 theology 231.7
 Supernaturalism occultism 133
 Supernumerary organs
 deformities 617.36
 Superphosphates agric. 631.855
 Supersaturation chem. 542.62
 Superstitions occultism 133
 folklore 398.3
 Supervision
 administration 351.93
 domestic economy 647
 of accounts bilding 692.7
 Supinators anat. 611.7376
 Supper recipes dom. econ. 641.53
 Supplies factory storage 621.7962
 farm economics 631.171
 legislative 328.364
 library admin. 025.116
 stock farming 636.08171
 Supply and demand 338
 Support, library 021.9
 Supports
 plant 631.345
 practical chemistry 542.24
 shelf lib. econ. 022.454
 Suppuration diseases 617.22
 Supraclavicular nerv 611.83334
 Suprarenal
 artery, middle anat. 611.1366
 bodies anatomy 611.45
 diseases of 616.45
 physiology 612.45
 nervs anatomy 611.8393
 veins " 611.1463
 Supraspinatus muscle 611.73712
 Supremacy, papal ch. pol. 262.13
 Supreme court reports, U. S. 345.4
 Surats goats 636.39854
 Sureties commercial law 347.7
 Surf boats shipbilding 623.829
 Surface
 cultivator 631.3164
 features of the earth 551.4
 geology 551
 transportation mining 622.69
 Surfaces
 of revolution desc. geom. 515.16
 warpt " " 515.17
 Surfacing road engineering 625.75
 Surfitt dietetic diseases 616.39
 Surfusion prac. chem. 542.63
 Surgeon gen. U.S.A. reports 353.6
 Surgeons
 American revolution 973.375
 biografy 926.1
 Great war 1914-19 940.475
 U. S. civil war 973.775
 Surgery 617
 Surgical
 dressings 617.93
 instruments 617.91
 operations medicin 617.4
 zootechny 636.0897
 pathology 617
¹Surinam, S. Amer. hist. 988
 Surinam cherry 634.423
 Surnames genealogy 929.4
 Surrender of
 Burgoyne Am. revol. 973.3333
 Cornwallis " 973.3375
 Lee U. S. civ. war 973.7384
 Surrey, earl of Eng. poet. 821.28
¹Surrey co. England history 942.21
 fowls 636.522
 Surrogate courts 347.99
 Surveying
 geodesy 526.9
 subterranean min. eng. 622.14
 surveying 526.99
 Surveys
 general scientific 508.3
 sanitary public helth 614.77
 social sociology 309.1
 travel 914-19
 soil 631.47
 vocational education 371.429
 Survival of fittest evolution 575.6
 Surviving
 hart physiology 612.1726
 organs " 612.0138
 Survivors ass'n, confederate 369.171
 Susanna, story of Bible 229.6

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Susceptibility emotions	157	Sweaters clothing	646.45
Susiana ancient history	935.9	Sweating system wages	331.236
Suspended		Sweden	
animation medicin	616.206	administration	354.485
physiology	612.0131	antiquities	913.485
Suspension		architecture	720.9485
bridges engineering	624.5	bo'any	581.9485
catenary elec. traction	621.33223	colleges	378.485
of legislators	328.366	constitutional law	342.485
rights pol. sci.	323.49	education	370.9485
suffrage "	324.17	finance	336.485
running gear engin'g	625.21	geology	554.85
¹ Susquehanna co. Pa. hist.	974.834	¹ history	948.5
¹ Sussex co. Del. history	975.17	laws	349.485
¹ England "	942.25	maps	912.485
travels	914.225	religious history	274.85
¹ N. J. history	974.976	schools, public	379.485
Sussex		statistics	314.85
cattle	636.2228	travel	914.85
down sheep	636.3231	treaties	341.2485
fowls	636.522	zoology	591.9485
sheep	636.3231	Swedenborgian church	289.4
swine	636.4212	lives	922.84
¹ Sutherland, Scot. history	941.14	Swedish	
Suttee treatm't of the ded	393.9	architecture, Romanesque	723.48
¹ Sutter co. Cal. hist.	979.434	church sects	284.7
Sutures anatomy	611.7141	gymnastics hygiene	613.71
surgery	617.93	⁴ language	439.7
Suzerain		⁵ literature	839.7
states pol. sci.	321.023	merinos	636.3678
Swaning, Hans Dan. misc.	839.883	movement cure massage	615.82
Svart, P. A. Swed. "	839.7821	turnip	635.126
¹ Svealand, Sweden history	948.7	Sweep cultivators	631.3162
travel	914.87	Sweeping dom. econ.	648.52
Svedenborg, E. Swed. misc.	839.7836	Sweet	
¹ Swabia, Germany history	943.47	clover	633.366
travels	914.347	corn	635.67
Swabian swine	636.431	herbs	635.7
Swabs gun	623.463	Otaheite apple	634.442
Swaledale sheep	636.3257	potato field crops	633.492
Swallowing physiol.	612.312	garden "	635.22
Swallows zoology	598.8	sop fruits	634.412
Swamp blueberry	634.737	Sweets cookery	641.85
Swamps		Swet	
physical geograpy	551.49	effect on temperature	612.533
public helth	614.772	glands anatomy	611.774
reclamation	631.615	disorders of	616.56
Swans domestic birds	636.681	physiology	612.792
zoology	598.4	therapeutics	615.743
Swastika ecclesiology	246.5	Sweters clothing	646.45
heraldry	929.6	Sweting system wages	331.236
Swearing, legal	347.94	Swift, J. Eng. satire	827.52
profane ethics	179.5		
Sweat, <i>see</i> Swet			

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Swimming			Switzerland		
amusements	796		travel	914.94	
animal locomotion	591.47		treaties	341.2494	
baths architecture	725.73		zoology	591.9494	
bladder compar. anat.	611.29		¹ Switzerland co. Ind. hist.	977.212	
" physiol.	612.767		Swivel		
Swinburne, A. C.: Eng. poet.	821.86		bridges engin'g	624.83	
Swindling ethics	174.6		Sword exercise	796	
law	343		Swords side arms	623.4442	
Swine			war customs	399	
cress	635.565		¹ Sydenham, Ont. history	971.318	
diseases of comp. med.	619.4		¹ Sydney, Australia history	994.4	
domestic animals	636.4		travels	919.44	
Swing			Syenite economic geology	553.52	
bridges engin'g	624.83		metamorphic rocks	552.41	
plow	631.3124		plutonic rocks	552.32	
Swiss architecture	724.7		Syllogism logic	166	
cattle	636.237		Sylvian aqueduct anat.	611.8156	
chard	635.42		fissure "	611.81313	
cheese, hard	637.3543		Symbolic logic	164	
sheep	636.333		Symbolism Bible	220.6	
swine	636.449		religious art	246	
Switch			Symmetric functions alge.	512.84	
boards, central station	621.317		Sympathetic		
telephone exchange	621.387		nervous system		
engins, steam	621.13263		action on blood vessels	612.1814	
Switches			salivary secre.	612.31382	
electric engin'g	621.3173		anatomy	611.839	
local elec. lighting	621.3287		diseases	616.88	
railway engineering	625.16		ganglions anatomy	611.899	
telephone	621.3866		physiology	612.89	
telegraf	621.38327		of hart	612.1782	
Switzerland			strikes polit. econ.	331.892	
administration	354.494		Sympathy emotions	157	
antiquities	913.494		Symphony orches. music	785.1	
architecture, history	720.9494		Symphiseotomy obstetrics	618.85	
botany	581.9494		Symptomatic dis. of women	618.17	
colleges	378.494		Symptoms diagnosis	616.07	
constitutional law	342.494		Synagogs architecture	726.3	
education	370.9494		Synarthrosis anatomy	611.7292	
finance	336.494		Synchronizers elec. eng.	621.37491	
geology	554.94		Synchronology history	902	
¹ history	949.4		Synchronous		
⁴ language			machinery elec. eng.	621.3134	
French	440		multiplex telegraf	621.38236	
German	430		Synclinal structural geol.	551.86	
Romansh	459.9		Syncope, cardiac physiol.	612.1786	
laws	349.494		Syndicalism polit. econ.	331.87	
⁵ literature			Synesthesia physiology	612.887	
French	840		Synod ecclesiastic polity	262.4	
German	830		² Synonyms Eng. language	424	
Romansh	859.9		Syntax compar. philology	415.2	
maps	912.494		³ English language	425.2	
religious history	274.94		Syntheses physiol. chem.	612.01536	
schools, public	379.494				
statistics	314.94				

Figures in black face type are subdivided. Superior figures refer to the tables at the end of this index

Synthesis			T beams, strength of	620.11282
chemistry	545.9		¹ Tabasco, Mexico history	972.6
electric chemistry	545.97		Tabernacle	
logic	160		biblical antiquities	220.93
Syphilis			sacred furniture	247.2
diseases	616.951		Tabernacles architecture	725.92
public helth	614.547		Table	
vaccinal contag. dis.	614.4733		and parlor games	793
Syphon physics	532.56		anecdotes entertaining	642.48
¹ Syracuse, N. Y. history	974.766		decoration dom. econ.	642.8
Sicily anc. hist.	937.8		d'hôte table systems	642.51
Syria ancient history	939.4		domestic economy	642
Coele " "	939.42		lights lib. bildings	022.763
modern "	956.9		ship outfit	623.86
Upper anc. history	939.41		systems dom. econ.	642.5
⁴ Syriac language	492.3		talk Eng. literature	828
text Bible	220.43		tipping spiritism	133.9
Syrian church sects	281.5		Tableaux	793
¹ desert history	953.9		Tables	
goat	636.3985		acoustics	534.9
philosofy	181.9		algebra	512.9
sheep	636.385		arithmetic	511.9
Syrman swine	636.472		astronomy	524
Syrtica Regio anc. hist.	939.74		electricity	537.9
Syrup adulterations	614.311		engineering	620.8
Systematic			food dom. econ.	641.1
botany	580		furniture dom. econ.	645.43
catalogs bibliografy	017		library "	022.912
theology	230		heat	536.9
Systems			hydrostatics	532.9
construction shipbilding	623.84		integral calculus	517.39
drainage agriculture	631.63		interest	658
economics	330.15		life life insurance	368.3
electoral suffrage	324.2		magnetism	538.9
floor bridge engin'g	624.25		mathematical	510.8
irrigation "	631.73		mechanics	531.9
manuals see subject			mercantil	658
of aerial lines	621.319222		molecular physics	539.9
electric traction	621.3312		optics	535.9
transmission	621.31912		pneumatics	533.9
incandescent lighting	621.3262		sun's motion	525.38
meteors	523.54		tide	525.69
underground lines	621.319232		water walls	721.25
philosofic	140		time transportation	656
road engineering	624.71		Tablets, memorial monu.	718
scientific economics	330.15		Taboo religion	299.9
suffrage	324.2		Taccaceæ botany	584.26
Systole physiology	612.171		Tachometers steam eng.	621.1977
Syv, Peder Dan. poetry	839.8133		Tachygraphy shorthand	653.71
Szalontaer swine	636.432		Tacitus, C. C. Latin lit.	878.6
			Tackle	
			blocks and engin'g	621.862
			breecing ordnance	623.4362
			hydraulic machinery	621.262

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Tackle			Tapestry bilding	698.7
mechanical engin'g	621.863		Tapetum anat.	611.8423
Tact mental faculties	151		Tapeworms parasitic dis.	616.964
Tactics, military	355.4		Tapioca chem. technol.	664.2
Tactil sense physiol.	612.88		Tapping machines	621.955
Taenia semicircularis	611.81325		Tar	
Tahr goat	636.39854		chemic technology	668.4
Tail			coal chem. tech.	668.7
comparativ anat.	611.99		engineering materials	620.196
lymfatics comp. anat.	611.4219		paper bags	648.7
Tailless fowls	636.5882		road materials	625.7
Tailoring	687		roofing bilding	695.6
Taine, H. A. Fr. essays	844.83		water medicin	615.3252
¹ Taiwan history	951.2		Tarascan civilization	972.013
Takigrafy shorthand	653.71		Tardiness lib. econ.	023.612
¹ Talbot co. Md. history	975.232		school disciplin	371.52
Talbotypes	772		Tarentaise goat	636.394
Talent mental faculties	151		Target	
¹ Tales Eng. literature	823		practis, naval mil. eng.	623.554
Talipes surgery	617.39		shooting	799
Talismans	133.4		Targums Chaldee versions	221.42
Talmud Judaism	296		Tariff act, 1824 U. S. hist.	973.54
Talocalcanium ligament	611.72851		1828	" 973.55
Talus anatomy	611.71871		Dingley	" 973.88
¹ Tama co. Ia. history	977.756		McKinley	" 973.86
Tamarind fruit culture	634.461		Underwood	" 973.913
Tamariscineæ botany	583.158		Wilson	" 973.87
¹ Tamaulipas, Mex. history	972.1		causes of U.S. civ. war	973.7118
Tambourine instruments	789.4		Tariffs pol. econ.	337
Tamil language	494		for electricity eng.	621.371
literature	894		Tarinus, valv of anat.	611.81711
Tammany political ass'n	363		¹ Tarn, France history	944.85
Tampico fibers	633.5772		¹ et Garonne, Fr. history	944.75
Tamworth swine	636.4262		Tarragon	635.74
¹ Taney co. Mo. history	977.8797		Tarsal artery anat.	611.13794
Tangents trigonometry	514.1		Tarsometatarsal joints	611.7286
Tangerine	634.322		Tarsus anatomy	611.7187
Tank sewers	628.28		Tartar emetic, medicin	615.731
Tankage fertilizers	631.846		Tartar horses	636.11
Tanks			sheep	636.385
feedwater engin'g	621.1972		¹ Tartary history	950
railway architecture	725.33		travels	915
track steam locomotivs	621.1363		Task	
Tanning manufactures	675		work wage bases	331.231
air pollution	614.745		Tasks school disciplin	371.56
material agriculture	633.87		¹ Tasmania history	994.6
Tannins vegetable drugs	615.334		Tasso, B. Ital. poetry	851.35
Tansillo, Luigi Ital. poet.	851.43		T. " "	851.46
Tantalates mineralogy	549.71		Tassoni, A. " satire	857.51
Tantalum			Taste	
chemistry	546.88		anatomy	611.87
filaments elec. lighting	621.32642		and criticism fine arts	701
Taouism	299.5		esthetics "	701
Tapestry fine arts	746		facial nerv action	612.81975

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- Taste
 in printing 655.26
 mental perceptions 152.4
 physiology 612.87
- Tattooing domestic econ. 646.26
 customs 391.7
- Tautomerism chem. 541.7
- Taverns housekeeping 647.94
- Tavsen, Hans Dan. poetry 839.812
- Tax, military mil. sci. 355.2
 titles law 347.2
- Taxation
 causes of Amer. revol. 973.3114
 local government 352.1
 political economy 336.2
 school support 379.13
- Taxes
 exemption from 336.29
 farm economics 631.112
 for raising library funds 021.91
 tariff political econ. 337
- Taxidermy 579.4
- Taylor, Bayard Am. poet. 811.46
 Z. presidency of 973.63
- ¹Taylor co. Ia. history 977.779
¹ W.Va. " 975.455
¹ Wis. " 977.526
 shorthand 653.35
- Taylor's campaign Mex. war 973.6233
 theorem algebra 512.4
- ¹Tazewell co. Ill. history 977.354
- Tea adulterations 614.347
 beverages 641.87
 commercial mixing 663.9
 cultivation 633.72
 hygiene 613.37
 physiology 612.3932
 rooms dom. econ. 647.95
 tax on Amer. revol. 973.3115
- Teachers
 and teaching 371
 biography 923.7
 cards lib. econ. 024.71
 institutes education 370.72
 library propandism 021.75
 relation to library 021.31
 training 370.7
 university faculty 378.12
- Teaching
 freedom of education 378.121
 pol. sci. 323.444
² of special topics see subject
- Tear apparatus anat. 611.8464
 physiol. 612.847
- Teas, commercial mixing of 663.9
- Technical
 dictionaries 603
 on special topics see subject
 education 607
 on special topics see subject
 school architecture 727.4
 schools 378.99
 libraries in 371.648
 see also special subject
 troops military science 358
- Technologic schools 607
 on special topics see subject
- Technology 600
 chemic 660
- Tectology histology 611.01881
- Tedders 631.3531
- Teeswater cattle 636.2223
 sheep 636.3216
- Teeth
 animals 591.73
 artificial dentistry 617.69
 dentistry 617.6
 diseases of 617.6
 human anatomy 611.314
 physiology 612.311
- Teetotalism temperance 178.2
- Tegel, E. G. Swed. misc. 839.7822
- Tegmentum anatomy 611.81543
- Tegnér, E. Swed. poetry 839.7163
- ¹Tehama co. Cal. hist. 979.427
- Tehuantepec
¹ Mexico history 972.7
 ship canal engineering 626.9
- Teichmann's crystals 612.11116
- Telæ choroideæ anat. 611.8192
- Telautograf elec. eng. 621.3826
- Telefone
 bills, legislativ 328.364
 booths lib. bildings 022.683
 communication 654.6
 electric engineering 621.385
 electricity 537.82
 electrophysiology 612.01442182
 instruments elec. eng. 621.386
 sociology 384
- Telefones dom. econ. 643.6
 interdep't lib. 022.948
 school bldgs 371.629
- Telefony
 and telegrafy, combined 621.38295
 military 623.733
 wire engineering 621.385
 wireless " 621.3845

Topics in black face type are subdivided Superior figures refer to the tables at the end of this index

- Telegraf
 bildings architecture 725.23
 bills, legislativ 328.364
 codes writing 652
 engineering 621.38215
 electric applications 537.81
 finding longitude by 525.47
 military signals 623.732
 sociology 384
- Telegrafic
 construction commun. 654.4
 engineering 621.3192
 instruments 654.1
 engin'g 621.383
- Telegrafone useful arts 621.389
- Telegrafs administration 351.817
- Telegrafy
 and telefony, combined 621.38295
 communication 654
 wire engineering 621.382
 wireless engineering 621.3842
- Telemeters, electric 621.379
 gunnery 623.54
 surveying 526.91
- Telencephalon anat. 611.813
- Teleology metaphysics 124
- Teleostei fishes 597.5
- Telepathy mind and body 134
- Telephone, *see* Telefone
- Telephot photography 778
- Telepost elec. eng. 621.38247
- Telescope astronomy 522.2
 optics 535.83
 zenith astron. 522.43
- Telescopes famous 522.29
- Telferage mech. engin'g 621.867
- Telfers " " 621.868
- Tellez, Gabriel Sp. drama 862.33
- Tellurates mineralogy 549.77
- Tellurids " 549.3
- Tellurium chemistry 546.24
- Telpherage mech. engin'g 621.867
- Telphers " " 621.868
- Temiscouata co. Que. hist. 971.476
- Temper ethics 179.8
- Temperament piano 786.2
- Temperaments 137
- Temperance
 ethics 178
 hygiene 613.81
 in laboring classes 331.84
 legislation 178.4
 reformatories 178.6
- Temperate regions agric. 631.0912
- Temperature
 animal heat 612.5
 conditions of life 577.4
 elevated hygiene 613.64
 hygiene 613.18
 in diseases diagnosis 616.075
 physiol. 612.556
 influence on respiration 612.225
 low agriculture 632.11
 measurement physics 536.5
 physiol. 612.51
 nitrogen excretion 612.46123;
 of air meteorology 551.52
 body physiology 612.56
 earth geology 551.12
 liver physiology 612.355
 soil agriculture 631.436
 urin physiology 612.46113
 pathology 616.075
 physiologic chem. 612.01535
 physiology 612.5
 sense physiology 612.882
 therapeutics 615.832
 variable hygiene 613.64
- Tempering
 manufactures 671
 molecular physics 539.54
- Templars 366
 knights 929.712
- Temples architecture 726.1
 student soc. 371.86
- Temporal
 artery, superficial anat. 611.13327
 bone anatomy 611.7153
 lobe " 611.81313
 muscle " 611.73272
 power papacy 262.13
 relig. history 270.4
- Temporary halls architec. 725.92
- Temporomandibular joint 611.724
- Temporomaxillary joint 611.724
- Temporosphenoid lobe 611.81313
- Temptation doct. theol. 233.2
- Temptations of laboring
 classes 331.84
- Tenants law 347.2
- Tendency legisla. pol. sci. 328.24
- Tender, legal paper money 332.5
- Tenders, locomotiv 621.136
- Tendons anatomy 611.74
 diseases of 616.75
 physiology 612.755
- sheaths of anatomy 611.75
 diseases of 616.76

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Tenements			Terminals, voltaic eng.	621.3526
architecture	728.1		Terminations, nerv histol.	611.01886
domestic economy	647.91		Terminology anatomy	611.0114
hygiene	613.53		economics	330.14
laboring classes	331.83		metaphysics	112
Teneriffe description	914.68		physiology	612.0114
Tenia anatomy	611.81325		solutions	541.3412
Tennessee, U. S.			Termites zoology	595.73
admission U. S. history	973.43		Terms schools	371.23
¹ history	976.8		definitions lib. econ.	020.14
For military history, see subdivisions of Special campaigns and Military history under 973.52, 973.7 and 973.89			Ternstroemiaceæ botany	583.166
secession U. S. history	973.713		Terra cotta	
travel	917.68		and iron architecture	721.97
Tennis, lawn	796		art	738
parlor	794		columns architecture	721.34
Tennyson, A. Eng. poetry	821.81		construction masonry	693.3
Tenotomy surgery	617.47		manufactures	666.6
² Tense signs Eng. etymol.	422.8		piers architecture	721.34
³ Tenses Eng. syntax	425.8		porous, constr. masonry	693.4
Tension engineering	620.1124		works architecture	725.48
Tensor			Terra del Fuego travels	918.2
fasciae latae anat.	611.73815		¹ di Otranto, Italy hist.	945.76
vaginae femoris "	611.73815		trav.	914.576
Tent caterpillars pests	632.78		Terraces phys. geology	551.35
life hygiene	613.67		Terracing	631.613
making mech. trade	689		Terrapin culture	639.3
Tenth nerv anatomy	611.83191		zoology	598.13
physiology	612.81991		¹ Terre Bonne co. Que. hist.	971.424
Tenting outdoor sports	796		¹ Haute, Ind. "	977.245
Tentorium cerebelli anat.	611.8195		Terrestrial	
Tents			magnetism	538.7
military science	355.81		means of find'g longitude	525.47
prehistoric dwellings	571.86		Territorial representation	328.3342
Tenure of			Territory	
land law	347.2		acquisition pol. sci.	320.12
polit. economy	333		Tertiary age geology	551.78
offis civil servis	351.4		Tertullian philosophy	189.2
library economy	023.2		Tessin, K: G. Swed. misc.	839.7841
teachers	371.142		Test	
Teratology			laws Eng. relig. hist.	274.2
anatomy	611.012		tubes prac. chemistry	542.231
animals	591.2		Testacea zoology	594
monstrosities	591.159		Testament, New	225
natural history of man	573.9		Old	221
plants	581.22		Testamentary law	347.6
surgery	617.3		Tester, milk	637.1276
Terbium inorganic chem.	546.653		Testes anatomy	611.631
Terence Latin drama	872.5		physiology.	612.616
Teres major anatomy	611.73715		Testi, Fulvio Ital. poetry	851.53
minor "	611.73714		Testicles anatomy	611.631
Teresa de Jesus Span. misc.	868.33		physiology	612.616
Terminal cone of spinal cord	611.8216		Testimony	
			expert evidence	347.94
			state control of	614.23

Topics in black face type are subdivided Superior figures refer to the tables at the end of this in/ex

Testimony		
legal evidence	347.94	
probabilities	519.3	
Testing, butter	637.225	
cheese	637.325	
milk	637.1276	
Tests		
boiler manufacture	621.18413	
operation	621.1947	
public safety	614.837	
chemic analysis	543	
educational suffrage	324.14	
electric engineering	621.37	
mental childstudy	136.702	
psychology	150	
of engineering materials	620.112	
ordnance stores	623.4822	
Testudinata zoology	598.13	
Tetanic muscular contract'n	612.74113	
Tetanus diseases	616.854	
surgery	617.27	
Tetracorolla	593.61	
Teutonic		
knights	929.713	
minor languages	439	
literatures	839	
mythology	293	
race ethnology	572.83	
Texas		
¹ co. Mo. history	977.884	
state		
annexation Mex. war	973.621	
resolution	973.58	
U. S. history	973.61	
¹ history	976.4	
independence U. S. hist.	973.56	
secession " "	973.713	
For military history, see subdivisions of Special campaigns and military history under 973.62, 973.7 and 973.89		
travel	917.64	
steer	636.2821	
Texel cheese	637.3551	
sheep	636.3311	
Textbooks		
¹ for writ'g verse Eng. pros.	426.8	
free public schools	379.153	
instruction	371.32	
state public schools	379.156	
Textil		
fabrics dom. economy	646.1	
inspection	614.37	
manufactures	677	
prehist. archeol.	571.54	
Textil		
factories architecture	725.41	
fibers agriculture	633.5	
hangings bilding	698.7	
dom. economy	645.2	
roofing bilding	695.8	
Texts		
comparativ philology	418	
¹ English philology	428.8	
¹ for learning Eng. lang.	428	
original Bible	220.4	
Thaarup, T: Dan. drama	839.8255	
Thackeray, W: M. Eng. fict.	823.82	
Thalamencephalon anat.	611.814	
Thalamic radiation "	611.8147	
Thalamus, optic "	611.8147	
Thales Greek philosofer	182.1	
Thallium		
accumulators elec. eng.	621.357	
inorganic chemistry	546.52	
Thallophyta	589	
Thames		
battle U. S. war of 1812	973.5235	
river, Eng. description	914.22	
Thanksgiving		
day customs	394	
schools	371.365	
sermons	252.6	
Thar goat	636.39854	
Thasos ancient history	939.11	
¹ modern "	949.91	
Thatch roofing	695.9	
Theater in library bilding	022.651	
Theaters amusements	792	
architecture	725.82	
ethics	175.2	
hygiene	613.55	
Theatricals, private	793	
Theban goat	636.39862	
supremacy Gk hist.	938.06	
¹ Thebes, Egypt history	962.3	
travel	916.23	
Theft law	343	
Thefts of library books	024.86	
Theism natural theology	211	
Themistocles Gk letters	886.1	
Theocritus Gk lyric poetry	884.6	
Theodicy God	231.8	
Providence	214	
Theodolite surveying	526.91	
Theodosius 3 Byzant. hist.	949.501	
Theognis Greek poetry	881.1	
Theologians biography	922	

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Theologic		
doctrins	religion	230
education	religion	207
seminaries	architect.	727.4
	religion	207
Theology		200
biography of		922
natural		210
Theophanies		231
Theophrastus	anc. philos.	185.2
Theoretic astronomy		521
chemistry		541
ethics		171
Theories of		
construction	building	690.1
² special subject	see subject	
Theosophy		212
Therapeutics		615.5
Thermal springs	seismology	551.23
Thermic		
centers	physiology	612.535
effects of muscular		
contraction		612.7453
phenomena of hart action		612.173
nerv centers		612.814
nervs		612.8224
topograpy	physiology	612.563
Thermochemistry		541.36
Thermodynamic value, <i>see</i>		
Value, thermodynamic		
Thermodynamics		536.7
applied	steam engin'g	621.101
Thermogenesis		
conditions affect'g	physiol.	612.54
physiology		612.51
Thermolysis	physiology	612.52
Thermometers		
agriculture		632.112
electric engineering		621.379
manufacture		681
physics		536.51
steam plant		621.1977
Thermometry		
meteorology		551.52
pathology		616.075
physics		536.51
physiology		612.56
Thermoscope		536.5
Thermotaxis	physiology	612.53
Thermotherapy		615.832
Thessalonians 1	Bible	227.81
2	"	227.82
Thessaly	ancient history	938.2
Theuerdank	Ger. poetry	831.36
Thian-Shan, E. Turkestan		915.16
Thiard, Pontus de	Fr. poet	841.35
Thibaut 4	" "	841.16
*Thibet, China	history	951.5
Thiers, presidency	Fr. hist.	944.08
Thigh	anatomy	611.982
lymfatics of		611.42182
muscles		611.7382
Thigmotaxis	mesology	612.014478
Thilorier apparatus	chem.	542.79
Thinning fruit	pruning	631.54227
of branches	"	631.54214
Third		
nerv	anatomy	611.8313
physiology		612.8193
rail	electric lines	621.3323
systems	power deliv.	621.33156
ventricle	anatomy	611.8148
Thirst and hunger	physiol.	612.3913
Thirty		
day bills	legislation	328.375
years war	Europ. hist.	940.24
Ger.	"	943.041
Scand.	"	948.04
Thirty-nine articles	creeds	238.3
Thistles	agriculture	632.58
botany		583.55
Thomas à Kempis		242.1
Aquinas		189.4
Thompson, D. P.	Am. fict.	813.31
Thomson, J.	Eng. poetry	821.56
Thomsonianism	cures	615.855
Thoracic		
aorta	anatomy	611.135
arteries	"	611.1341
bones	"	611.712
duct	"	611.424
diseases of		616.42
physiology		612.4231
esophagus	anatomy	611.3291
ganglions, sympathetic		
anat.		611.8392
physiol.		612.892
glands	anatomy	611.464
lymfatics	anatomy	611.4214
muscles	"	611.735
nervs	"	611.834
vertebrae	"	611.7115
Thoracostraca	zoology	595.38
Thorax	anatomy	611.94
Thoreau, H: D:	Am. misc.	818.31
Thorild, T.	Swed. poetry	839.7155
Thorium	inorgan. chem.	546.84
Thornheded worms	diseases	616.966

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- Thornton shorthand 653.55
 Thoro bass music 781.3
 Thorwald discov. of Amer. 973.13
Thought faculty 153
 new 131
 transference 134
 Thousand Islands, N. Y.
 ¹ history 974.758
 travel 917.4758
 Thracia ancient history 939.89
 Thred worms parasit. dis. 616.965
 Three
 bodies, prob. of astron. 521.13
 phase elec. machinery 621.313323
 trac. systems 621.331433
 transmis. " 621.319133
 wire elec. " a.c. " 621.3191323
 " " d.c. " 621.319123
 incandescent light 621.3262
 threshers agriculture 631.361
 steam engin'g 621.156
Threshing 631.5612
Thrift laboring classes 331.84
Thrips pests 632.73
Throat
 anatomy 611.93
 diseases 616.31
 protection in factories 628.512
 surgery 617.53
Thrombin physiology 612.11512
Thrombosis, venous 618.77
¹Thronthjem, Norway hist. 948.4
 travel 914.84
Thrones arch. accessories 729.93
Throttle, locomotiv 621.1349
Throttling engines 621.1642
Thrust
 balancing steam turbins 621.16536
 hoe 631.3152
 steam turbins 621.16536
Thucydides Greek liter. 888.2
Thugs 299.11
Thulium inorg. chem. 546.697
Thum extensors anat. 611.73768
 flexor, long " 611.73756
 muscles " 611.73773
Thunder
 ¹ Bay dist. Ont. hist. 971.312
 physics 537.4
 storms meteorol. 551.55
Thurible sacred ornam'ts 247.9
¹Thuringia, Germany hist. 943.22
Thuringian fowls 636.538
Thyme 635.71
Thymelæaceæ botany 583.933
Thymus anatomy 611.43
 diseases of 616.43
 physiology 612.43
Thyrocerical trunk 611.1347
Thyrohyoid muscle 611.7335
Thyroid
 artery, superior anat. 611.13321
 body anatomy 611.44
 diseases of 616.44
 physiology 612.44
 veins anatomy 611.1451
Thyroidectomy physiology 612.445
 surgery 617.44
Thyroids, aberrant anat. 611.445
Thyrotomy physiology 612.445
 surgery 617.44
Thysanura pests 632.71
 zoology 595.71
Tian-Shan description 915.16
¹Tibet, China history 951.5
 travel 915.15
Tibet goat 636.3985
Tibia anatomy 611.7185
Tibial
 artery, anterior anat. 611.13787
 posterior " 611.13791
 glands, anterior " 611.4684
 muscle " 611.73841
 posterior " 611.73857
 vein " 611.14737
Tibiofibular
 joint, inferior anatomy 611.72841
 ligaments " 611.72838
 trunk " 611.1379
Tibiotalar ligament " 611.72844
Tibullus, A. Lat. poetry 874.3
Tic douloureux diseases 616.87
Tichborne trial crim. law 343.1
Tickling physiology 612.883
Ticks animal parasites 616.9685
Ticonderoga
 battle Amer. revol. 973.3314
 capture U. S. col. hist. 973.26
 evacuation Amer. revol. 973.3332
Tide tables 525.69
 waters law 347.7
Tides
 astronomy 525.6
 physical geograpy 551.46
 protection from eng. 627.5
Tieck, L.; German fiction 833.73
Tieplates railway engin'g 625.14
Ties, railroad 625.14

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

¹ Tiffin co. O.	history	977.1241	Time		
Tigers	zoology	599.7	tables	railroad	656
Tight boots	hygiene	613.484	wage bases		331.232
lacing	"	613.484	Times		
Tile			feeding	zootechny	636.08442
and iron structures	arch.	721.97	Timon	Greek philosophers	186.1
construction	building	693.3	Timothy ¹	Bible	227.83
drains	reclamation	631.62	2	"	227.84
floors, hollow	architect.	721.63	Timothy	forage crops	633.24
hollow, construction	bdg	693.4	Tin		
roofing	"	695.3	chemistry		546.81
strength of materials		620.14	group	chemistry	546.8
Tiles			manufacture		671
building material		691.4	metallurgy		669.6
colored roofs		721.56	mining		622.34
floor covering		721.68	prehistoric		571.31
manufactures		666.7	ores	econ. geology	553.45
with iron ceilings	arch.	721.73	roofing	building	695.4
Tiliaceæ	botany	583.19	Tinsel	dom. economy	646.19
Tiling	masonry	693.3	Tinting	laundry process	648.27
roofing		695.3	Tintypes	photography	772
Till	physical geology	551.33	¹ Tioga co. N. Y.	history	974.777
Tillage		631.5	¹	Pa.	"
Timber					974.856
architecture		724.7	Tippecanoe		
building material		691.1	battle	U. S. war of 1812	973.51
forestry		634.9	¹	co. Ind. history	977.295
gratings	foundations	721.162	¹ Tipperary, Ireland	history	941.92
manufacture		674	Tips	political economy	331.238
piles	foundations	721.142	¹ Tipton co. Ind.	hist.	977.255
platforms	"	721.162	Tiraboschi, G.	It. essays	854.63
preservation of	bdg	691.1	Tirant lo Blanch	Catal.fict.	849.933
strength of materials		620.12	Tires	railway engin'g	625.21
trade		338.1	rubber	manufacture	678
Timberd, half, walls	arch.	721.21	Tirso, de Molina	Span.dram.	862.33
Timbering			Tissue		
foundations	architect.	721.12	cellular, absorption by		612.388
bridges		624.152	connectiv	anatomy	611.76
mines		622.28	diseases of		616.77
Timbre, voice	physiol.	612.784	histology		611.0182
Timbuctoo	travels	916.62	physiology		612.75
Time			subcutaneous	admin. of	
chronology		529	medicin by		615.63
cosmic		529.77	Tissues		
distribution of		529.76	animal histology		591.8
finding at sea		527.3	elec. resistance	physiol.	612.795
keepers	watchmaking	681	respiration of	"	612.26
limit of library loans		024.62	uric acid in	"	612.461259
lost	library servis	023.641	vegetable histology		581.8
metaphysics		115	Titanium		
of day	hygiene	613.13	inorganic chemistry		546.82
extra library loans		024.72	oxid arcs	elec. lighting	621.3256
standard		529.75	Tithes	cleric support	254
systems and standard		529.75	taxation		336.21

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- Title
 catalog lib. admin. 025.3
 to property, law of 347.2
- Titles
 and duties lib. economy 023.7
 changed book bibliog. 014
 of honor 929.7
- Titration solution
 quan. anal. 545.2
- Titrometric methods " " 545.5
- Titus Bible 227.85
- ¹Tlascal, Mexico history 972.4
- Toadfish batrachians 597.6
 fishes 597.5
- Toads 597.8
- Toadstools botany 589.22
- Toasts entertainments 642.48
- Tobacco
 cerebro-cardiac poisons 615.99
 cultivation 633.71
 ethics 178.7
 hygiene 613.84
 inspection of pub. health 614.36
 internal revenue 336.27
 manufacture 679
 pipes manufactures 679
 state monopoly 336.19
- ¹Tobago, W. Indies hist. 972.98
- Tobit Apocrypha 229.2
- Tobogganing sports 796
- Toe joints anatomy 611.7289
- Toes " 611.987
 extra deformities 617.36
- Toggenburg goat 636.3937
- Toggle joints engin'g 621.825
- Toilet
 articles customs 391.6
 domestic economy 646.7
 room furnishings 645.68
 rooms dom. economy 643.52
 lib. bildings 022.686
- Token money numismatics 737
 pol. econ. 332.4
- ¹Tokio history 952
 travel 915.2
- ¹Toledo, O. history 977.113
- Toleration, religious ethics 172.3
- ¹Tolland co. Ct. history 974.64
 travels 917.464
- Tollens, H. Dutch poetry 839.3154
- Tolls, road and bridge 352.7
- Toltec civilization hist. 972.011
- Tomas, Bishop Swed. poet 839.7112
- Tomato 635.64
 tree 634.7761
 worms pests 632.78
- Tomb burial pub. health 614.612
- Tombs cemeteries 718
 disposal of ded 393.1
- Tomich Catalan misc. 849.9821
- Tommaséo, N. Ital. essays 854.78
- ¹Tompkins co. N. Y. hist. 974.771
- Tone color acoustics 534.5
 physiology 612.85874
- Tones, distinction of phys. 612.85874
- Tongue, *see* Tung
- Tonic
 muscular contraction 612.74114
 sol-fa vocal music 784.9
- Tonicity reflex movements 612.82933
- Tonics aids to digestion 615.7341
- ¹Tonkin history 959.9
- Tonkin swine 636.485
- Tonnage gaging 389
 shipping 656
- Tonquin, *see* Tonkin
- Tonsillae intestinales 611.3443
- Tonsils anatomy 611.322
 diseases of 616.31
 physiology 612.3122
- Tools
 agricultural 631.3
 bilding 690.7
 bronze age 571.35
 machine 621.9
 mechanic trades 680
 mechanical engineering 621.9
 printing 655.21
 stone age 571.25
- Toothake dentistry 617.65
- Tootht gears 621.83
- Top grafting 631.54144
- Topelius, Z. Swed. fiction 839.7366
- Topical method instruction 371.36
- Topinamber 635.24
- Topografic drawing 526.98
 geodesy 526.9
- Topografy
 aerial 629.145
 hygiene of ground 614.77
 maps 912
 military 623.71
 surveying 526.99
 thermic physiology 612.563
- Toppers, corn 631.3555
- Torches chemic technol. 665.1
 military engin'g 623.45442

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Torelli, Achille	Ital. drama	852.86	Township	Ger. local gov.	352.0436
Tories	Amer. pol. parties	329.8	Toxic action of blood		612.11822
	revolution	973.314		swet	612.79212
	Eng. polit. parties	329.942	Toxicity, urinary		612.462
Tornadoes	meteorology	551.55	Toxicology therapeutics		615.9
Toronto, Ont.	history	971.3541	Toxins		
Torpedo			in blood	physiology	612.11821
boats	naval engineering	623.825	physiology		612.3988
shells	ordnance	623.4517	Toy		
Torpedoes			dogs		636.765
explosivs		662.2	pigeons		636.5965
land	military engin'g	623.26	high class		636.5962
naval	" "	623.95	Toys	amusements	793
Torrens system		333.3	domestic economy		649.55
Torres Naharro, B.		862.39	inspection of pub. helth		614.37
Torsion	engineering	620.11243	Trachea	anatomy	611.231
	molecular physics	539.3	diseases of		616.23
Tortoises	zoology	598.13	physiology		612.2152
Torts	law	347.5	Tracheal respiration	zool.	591.126
Torture	customs of war	399	Tracheotomy	surgery	617.42
	law	340.3	Trachoma	eye diseases	617.77
	persecutions	272	Trachyte	lithology	552.24
Total abstinence		178.2	Track	elec. engineering	621.333
depravity	doc. theol.	233.2	road	"	625.14
Totemism		392	scales	"	625.18
Touch	anatomy	611.88	tanks	"	625.16
	magnetism	538.2	locomotiv		621.1363
	mental faculties	152.5	Trackless trolley	elec. eng.	621.33225
	physiology	612.88	Tract	cathedral music	783.23
	sensory functions	612.82559	societies		206
Toulouse	history	944.86	Tractarianism	Angl. ch.	283
	travels	914.486	Traction		
	goose	636.5984	electric	engineering	621.33
Touraine, France	history	944.54	engin	agriculture	631.3123
	travel	914.454	engins, steam		621.14
Tournaments	customs	394.7	Tractors, farm		631.372
Toussaint, A.L.G.B.	Dut. fic.	839.3356	metallic	cures	615.856
Towers			Tracts, religious, practical		240
aerial	elec. lines	621.319225	on special topics	see topic	
architectural	design	729.36	Trade		
cooling	steam plants	621.19764	acceptance	pol. econ.	332.7
suspension	bridge	624.56	administration		351.82
water	fire extinction	614.846	balance of	commerce	382
	waterworks	628.13	boards of	architecture	725.25
Towing	canal engineering	626.7	commerce		381
Town halls	architecture	725.13	catalogs	bibliografy	015
	offisers	local govt	depressions	commerce	381
Townley plays	Eng. dram.	822.13	money		332
Towns			production		338
German	local govt	352.0435	domestic		381
government		352	foren		382
laying out of	hygiene of		free		337.2
	ground	614.781	list of books, publishers		015
sanitation of		628.4			

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Trade			Transactions gen. society	060
marks	copyright	655.62	³ special topics, see subject	
	law	347.7	Transcendentalism	141
	patents	608	Transcriptions	
sales	lib. book buying	025.223	orchestral music	785.9
schools		607	piano	786.48
slave		326.1	Transfer	
winds	meteorology	551.51	boards, telefe	621.3874
Trades			systems, telefe	621.38563
hygiene		613.6	Transferable	
labor in special		331.818	vote suffrage	324.224
mechanic		680	Transformation	
unions	polit. econ.	331.88	of coordinates, loci in space	516.34
useful arts		680	plane loci	516.14
Trading companies		338.7	spheric astronomy	522.73
stamps		658	Transformations algebra	512.86
Traditions			Transformer	
ecclesiastic polity		262.7	panels elec. engin'g	621.31725
folklore		398.1	substations " "	621.31263
Traduction orig. of the soul		129.2	Transformers, auto el.eng.	621.3144
Traffic			elec. eng.	621.3143
commerce		656	Transfusion of blood	
in intoxicating drinks		178.4	physiology	612.1163
⁴ Tragedies Eng. literature		822	therapeutics	615.65
Train			Transit	
boats	shipblding	623.8234	bildings astronomy	522.13
Training			circle astron. instrum.	522.34
classes	agric. educ.	630.775	finding longitude by	525.48
domestic animals		636.088	time by	529.71
laboring classes	pol. ec.	331.86	instrument	522.34
library	library schools	020.7	local sociology	388
qualifications		023.532	mounting	522.27
of library executiv		023.42	out of meridian	522.44
offis	law education	340.7	Transits astronomy	523.9
physical	hygiene	613.7	of Mercury	523.91
outdoor sports		796	Venus	523.92
school hygiene		371.7	Translating, art of	808
plants		631.546	Translations <i>Class with originals</i>	
schools for teachers		370.7	principle of comp. phil.	418
teachers		371.12	Transliteration	
³ special topics, see subject			comparativ philology	411
Trains	railroad engin'g	625.2	in cataloging	025.3
Traitors			Transmigration of souls	129.4
American revolution		973.381	Transmission	
biografy		923.41	heredity evolution	575.1
Trakehner horse		636.143	hygiene	613.9
Tramps	pauperism	339	machinery of agric.	631.37
Tramways			engin'g	621.8
city transit		388	of disease	pub. helth 614.43
electric engineering		621.33	elec. power engin'g	621.319
engineering		625.6	physics	537.84
mining engineering		622.65	force physics	531.8
Trance	hypnotism	134	gases	" 533.1

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Transmission		
heat	physics	536.2
power	mech. eng.	621.8
steam	" "	621.185
Transmitted disease	hyg.	613.93
Transmitters		
telephone		621.3863
wireless	telefone	621.38461
Transmutation		
of energy	physics	531.6
metals	chemistry	540.1
species	evolution	575.2
Transoms	gun mounts	623.4351
Transpiration		
cutaneous	physiology	612.793
of animals		591.129
plants		581.129.
Transplanters		631.336
Transplanting		
agriculture		631.536
organs	physiology	612.602
teeth	dentistry	617.68
Transport		
agriculture		631.37
buildings	architecture	725.3
butter		637.235
cheese		637.335
criminal law		343.2
in mines		622.6
military		355.6
resources		355.27
milk		637.135
of animals	animal hyg.	614.96
fertilizers	agric.	631.817
the ded	pub. helth	614.63
sociology		380
useful arts		656
Transporter		
bridges	engin'g	624.86
Transports	shipbilding	623.826
Transposition of parts	surg.	617.38
Transubstantiation		265.3
Transudations	physiology	612.381
¹ Transvaal, Africa	history	968.2
Transversalis cervicis	anat.	611.7313
Transversals	mod. geom.	513.52
Transverse		
mesocolon	anatomy	611.383
system	shipbilding	623.84
Transversospinales	anat.	611.7316
Transversus thoracis	anat.	611.7358
¹ Transylvania	history	943.92
Transylvanian sheep		636.335
Trap	economic geology	553.57
lithology		552.28
Trapassi, Pietro	Ital. dram.	852.57
Trapezium	anat. of bones	611.71775
nervs		611.81776
Trapezius muscle	anat.	611.73111
Trapezoid body	"	611.81776
bone	"	611.71776
Trapping	business	639.1
Trappists	monastic orders	271.125
Traps		
agriculture		632.9
domestic economy		648.7
in sewers	sanitary eng.	628.256
steam pipe		621.1855
zootechny		636.081111
Trash, domestic	sanitation	628.44
Traumatic fever	surgery	617.26
Traumatism		616.982
¹ Travancore, India	history	954.8
Travel	clubs self educ.	374.21
cookery		641.575
hygiene		613.69
Travelers		
² conversation books, Eng.		428.2
lives		923.9
manuals for		910.2
protection of	pub. helth	614.86
Traveling		
art of		910.2
bridges	engin'g	624.86
clubs	self educ.	374.25
cranes	engin'g	621.874
grates	"	621.18362
libraries	lib. econ.	021.65
school		371.642
salesmen	suffrage	324.247
Travels, general		910
scientific		508.3
special, see	subject	
Traverse tables	surveying	526.91
Trawlers	boatbilding	623.828
Trays, book	lib. econ.	022.943
Treadmills	mechan. eng.	621.46
punishments		343.2
Treason	Amer. revolution	973.381
law		343
Treasury		
notes	paper money	332.5
U. S.	administration	353.2
Treaties		
international law		341.2

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Treatises

- Am. and Eng. priv. law** 347
on special topics see subject
- Treating temperance ethics 178.3
- Treatment of
captivs intern'l law 341.3
war customs 399
- disease 616
- the ded customs 393
pub. helth 614.6
- Treaty
Bering sea U. S. hist. 973.86
Hawaiian " 973.86
of Paris Amer. revol. 973.317
Versailles Great war 940.314
U.S. war w. Spain 973.891
Washington 341.273
peace American revol. 973.317
powers legislativ bodies 328.346
Santo Domingo 973.82
with Spain 1795 U.S. hist. 973.43
1898 " 973.891
- ¹Trebizond, Asia Turk. hist. 956.5
- Tredmills mech. engin'g 621.46
punishments 343.2
- Tree
conveyors 631.3366
cranberry 634.745
products harvesting 631.5568
tomato 634.7761
- Trees
botany 582
forestry 634.9
fruit culture 634
in streets, sanitation 628.48
layering 631.5346
ornamental 715
road engineering 625.77
tools for 631.34
- Trefining surgery 617.51
- Trellises plant support 631.3453
training 631.5463
- Tremandrea botany 583.142
- Trematoda parasitic dis. 616.963
- Tremellinae botany 589.224
- Tremors, muscular physi. 612.7464
- ¹Trempealeau co. Wis. hist. 977.549
- Trench layering 631.5342
- Trenches, defense mil. eng. 623.34
- Trenching mil. engin'g 623.24
- Trent
affair U. S. civil war 973.751
council of relig. history 270.6
creed of Pius 4 238.2

Trenton, N. J.

- battle Amer. revol. 973.3326
¹ history 974.966
- Trepanning surgery 617.51
- Trepassey, ship Am. revo. 973.357
- Trephining surgery 617.51
- Trestle bridges mil. eng. 623.653
- Trestles
bridge engineering 624.24
- Tresury
notes paper money 332.5
U. S. administration 353.2
- Trial
borings foundations 721.11
by ordeal law 340.3
civil 347.9
court martial 344
criminal 343.1
ecclesiastic 262.9
jury 340.4
state 343.1
- Trials
civil law 347.91
criminal " 343.1
in library servis 023.57
military law 344
- Triangle musical instrum. 789.3
- Triangles
differences of trigonom. 514.8
plane geometry 513.14
trigonometry 514.5
practical chemistry 542.24
spheric geometry 513.41
trigonometry 514.7
- Triangularis sterni anat. 611.7358
- Triangulation
computation of geodesy 526.4
field work " 526.3
net theory of least sq. 526.53
- Triassic age geology 551.76
- Tribes form of state 321.2
- Tribunes arch. accessories 729.92
- Triceps brachii anatomy 611.73724
surae " 611.73854
- Trichinae econ. zoology 591.69
parasitic dis. 616.965
- Trichiniasis public helth 614.562
- Trichoptera entomology 595.74
- Trickery bus. ethics 174.7
- Tricks, card amusements 793
sleight of hand 791
- Tricuspid valvs anat. 611.12646
- Tricycling 796

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Triest history	943.68	Trolley	
travels	914.368	arms elec. traction	621.3347
Triewald, S. von Swed. poet.	839.7138	lines " "	621.3322
Trifacial nervs anat.	611.8315	systems deliv. of power	621.33152
Trifoliae forage crops	633.373	Trolleys elec. traction	621.3347
Trifoliolate orange	634.321	Trollope, A. Eng. fiction	823.87
Trigeminus		Trombone wind instrum.	788.2
nerv anatomy	611.8315	Trompes prac. chem.	542.77
nucleus "	611.8174	Tromso, Norway hist.	948.4
physiology	612.8195	Troops	
Trigonometric leveling	526.38	U. S. history civil war	973.74
Trigonometry	514	Mex. " "	973.624
Trilobites paleontology	565.39	revolution	973.34
zoology	595.39	Span. war	973.894
Trimmer, hedge	631.3421	war of 1812	973.524
Trimming pruning	631.5423	Trophic, see Trofic	
Trinidad history	972.98	Tropic almond	634.555
Trinitarians mon. order	271.79	plants	581.9
Trinity co. Cal. hist.	979.414	Tropics	
Trinity doctrinal theology	231	agriculture	631.0913
Trios vocal music	784.83	clothing suitable to	646.092
Tripe-cleaning air pollu.	614.742	cookery for	641.592
Triple expansion		hygiene	613.11
engins	621.11266	Trotter horse	636.12
stationary engins	621.1647	Trotting racing	798
Triplets obstetrics	618.25	Troubadours	849.1
Tripods		Troughs	
field work geodesy	526.32	pneumatic chemistry	542.73
practical chemistry	542.24	voltaic cells engin'g	621.3521
Tripoli, Africa history	961.2	Trousers	646.43
Trips, school	371.393	Trout culture fishing	639.3
Triquetrum, os anat.	611.71773	fishing sports	799
Trissino, G. G. Ital. drama	852.33	Trouvères Fr. literature	841.1
Tristegineae forage crops	633.281	Trowel, garden	631.3112
Tritons zoology	594.3	Troy ancient history	939.21
Trituration prac. chem.	542.22	N. Y. " "	974.741
Triumphs student life	371.89	Troya, Carlo Ital. essays	854.73
Triurideae botany	584.71	Truancy school disciplin	371.52
Troas ancient history	939.21	Truces international law	341.3
Trochilidae ornithology	598.8	Truck farming	635
Trochlear		system labor	331.235
nervs anatomy	611.8314	Trucks	
physiology	612.8194	book library econ.	022.942
nuclei anatomy	611.8155	electric motor cars	621.3347
Trochoid joint "	611.72965	farm transport	631.3735
Trofic nervs		railway engineering	625.21
of skin physiology	612.798	Truffles gardening	635.8
physiology	612.818	Trumbull, J. Amer. poet.	811.21
Trofs		Trumbull co. O. history	977.138
pneumatic chemistry	542.73	ship Amer. revol.	973.356
voltaic cels engin'g	621.3521	Trumpet wind instrum.	788.1
Trojel, P. K. Dan. satire	839.8752	Trumpeters pigeons	636.59626
P. M. " "	839.8751	Trunk making	685
		railways elec. eng.	621.33132

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Trunkfish	zoology	597.5	Tubular boilers	engin'g	621.18425
Trunking			bridges	"	624.4
telephone switchboards		621.38741	furnaces	prac. ch.	542.42
systems		621.38561	Tubuli recti	anatomy	611.6311
Trunks	telephone lines	621.38741	Tubulous boilers	engin'g	621.18426
Trussed			¹ Tucker co. W. Va.	hist.	975.483
arch	bridge engin'g	624.7	Tuckerman, H. T.	Am. lit.	814.33
bridges	engin'g	624.3	Tudor architecture		724.4
Trusses			Tudors	English history	942.05
bridge engineering		624.3	Irish	"	941.55
surgery		617.92	Tufa	economic geology	553.58
Trust companies	banks	332.14	lithology		552.22
Trustees, library		023.3	Tuff	"	552.22
room		022.611	¹ Tug valley, W. Va.	hist.	975.446
Trusts			Tugs	shipbuilding	623.8232
and trustees	law	347.7	Tuition fees	schools	371.22
corporations	"	347.1	Tula istle		633.5772
monopolies	pol. econ.	338.8	¹ Tulare co. Cal.	hist.	979.486
Truth	ethics	177.3	Tullahoma, Tenn.	campaign	973.7342
Tryon in Conn.	Am. revol.	973.3351	Tullin, K. B.	Dan. poetry	839.8151
Trypanosomiasis	diseases	616.9681	Tumbler pigeon		636.59615
Trypsin	physiology	612.3424	Tumors	diseases	616.992
Tryptic digestion	physiol.	612.342	Tuna	fruit culture	634.7751
Tuba	wind instruments	788.48	Tune	sacred music	783.6
auditive	anat.	611.856	Tung		
Tube, per cent	dairy	637.1275	anatomy		611.313
Tuber cinereum	anat.	611.8143	diagnosis	pathology	616.072
Tuberaceæ	botany	589.231	diseases of		616.31
Tubercle	diseases	616.995	physiology		612.3123
Tuberculosis	"	616.995	Tungstates	mineralogy	549.74
public health		614.542	Tungsten		
pulmonary diseases		616.246	filaments	elec. lighting	621.32643
Tubers			metals	chemistry	546.78
field crops		633.49	Tungusic language		494
garden	"	635.2	Tunicata	zoology	594.9
harvesting		631.5564	Tunics of eye		
plant culture		631.5322	fibrous	anatomy	611.841
washers for		631.3626	physiology		612.841
Tubes			vascular	anatomy	611.842
boiler	engin'g	621.18453	physiology		612.842
domestic economy		643.6	Tuning forks	acoustics	534.3
Fallopian	anatomy	611.656	piano		786.2
locomotiv boiler		621.1333	¹ Tunis	history	961.1
pneumatic	communica.	654.8	travels		916.11
dom. econ.		643.6	Tunisian sheep		636.386
lib. econ.		022.946	Tunneling		
porcelain	chemistry	542.232	machinery, hydraulic		621.269
speaking	communica.	654.8	mining engineering		622.26
dom. econ.		643.6	railroad	"	625.13
lib. econ.		022.947	Tunnels	aqueducts	628.14
strength of materials		620.11283	¹ Tuolumne co. Cal.	hist.	979.445
sunken foundations		721.177	Tupelo, Miss.	battle	973.7372
Tubing, glass	prac. chem.	542.231	Turanian languages		494
rubber	" "	542.26	literatures		894

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Turbin wheel hydraulic	621.24	Turntables railway eng.	625.16
steam	621.165	Turnwrest plow	631.3124
Turbinate bones anat.	611.21	Turpentine chem. tech.	665.3
Turbits pigeons	636.59623	collectors	631.3568
Turck's fasciculus anat.	611.8252	Turret mounts ordnance	623.4334
Turell Catalan miscel.	849.9822	Turtles	
Turf		fishery	639.3
burning agriculture	631.831	paleontology	568.13
spade	631.3111	zoology	598.13
¹ Turin history	945.1	Tuscan swine	636.45
travels	914.51	¹ Tuscany, Italy history	945.5
¹ Turkestan history	958.4	travels	914.55
¹ East "	951.6	¹ Tuscarawas co. O. history	977.166
Turkey poultry	636.592	Tuscarora indians	970.3
Turkey in		¹ Tuscola co. Mich. history	977.445
¹ Asia history	956	Tutor home education	373.1
Europe		Twain, Mark Am. humor	817.44
administration	354.496	Tweeddale sheep	636.3252
botany	581.9496	Twelfth nerv anatomy	611.83193
finance	336.496	physiology	612.81993
geology	554.96	Twilight	525.7
¹ history	949.6	Twins, etc. obstetrics	618.25
maps	912.496	Two	
schools	379.496	book system lib. econ.	024.611
statistics	314.96	furrow plow	631.3122
travel	914.96	¹ Mountains co. Que. hist.	971.425
treaties	341.2496	phase elec. machinery	621.313322
Turkeyneck fowls	636.5882	trac. systems	621.331432
Turkish		transmis. "	621.319132
architecture	723.3	wire elec. "	621.319122
baths architecture	725.73	telephone systems	621.38536
customs	391.6	Tyler, J. presidency of	973.58
hygiene	613.46	R. Amer. drama	812.21
harems customs	392.6	¹ Tyler co. W. Va. history	975.419
horses	636.11	Tympani, membrana	
language	494	anatomy	611.855
literature	894	ear diseases	617.85
power Greek history	949.505	physiology	612.855
Turko-Russian war		Tympanum	
Russian hist.	947.08	anatomy	611.854
Turn halls architecture	725.85	ear diseases	617.84
Turneraceæ botany	583.455	physiology	612.854
Turning		Type	
bridges engineering	624.83	and type setting printing	655.2
lathes	621.94	for books publishing	655.53
moldboard plow	631.3124	founders' occupat. hyg.	613.63
Turnip		founding	655.21
field crops	633.42	writers communication	652
garden "	635.12	lib. admin.	025.153
rooted cabbage	635.126	servis	023.762
celery	635.128	Types	
chervil	635.136	alternating current mach.	621.31332
Turnouts railway engin'g	625.16	boat naval architecture	623.82
Turnpikes road engin'g	625.7	boilers engineering	621.1842

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- Types
- direct current machinery 621.31322
 - farm 631.14
 - furnaces steam mach'y 621.1832
 - locomotivs " " 621.132
 - molecules chem. 541.5
 - ship naval architecture 623.82
 - special, education of 371.97
 - steam engines 621.112
 - portable 621.152
 - stationary mechanism 621.164
 - use 621.162
 - traction 621.144
 - turbins 621.1652
 - Typhaceæ botany 584.63
 - Typhoid fever pathology 616.927
 - pub. helth 614.511
 - Typhus fever pathology 616.922
 - pub. helth 614.526
 - Typografers biography 926.5
 - Typografy 655
 - Typology Bible 220.6
 - Tyre ancient history 939.44
 - Tyrian architecture 722.3
 - ¹Tyrol history 943.64
 - travel 914.364
 - ¹Tyrone, Ireland history 941.64
 - Tyrotaxon animal pois. 615.94
 - Tyrtæus Greek lyr. poetry 884.1
 - Uberti, F. degli Ital. poetry 851.17
 - Udall, N: English drama 822.22
 - ¹Uganda, Africa hist. 967.6
 - Uhland, J; L: Ger. poetry 831.73
 - ¹Ukraine, Russia history 947.7
 - Ulcers surgery 617.24
 - Ulna anatomy 611.7176
 - Ulnar artery " 611.13435
 - Ulrich von Lichtenstein
 - German poetry 831.28
 - ¹Ulster co. Ireland history 941.6
 - ¹ N. Y. " 974.734
 - Ultramontanism Cath. ch. 282
 - eccles. pol. 262.13
 - Umbellales botany 583.48
 - Umbelliferæ " 583.481
 - Umbilic
 - artery anatomy 611.13771
 - cord obstetrics 618.38
 - mesenteric artery anat. 611.1364
 - vein " 611.1498
 - Umbrella stands dom.econ. 645.61
 - lib. " 022.922
 - Umbria ancient history 937.4
 - ¹ modern " 945.6
 - ²Umlaut Eng. orthog. 421.2
 - Unciform bone anatomy 611.71778
 - Unconsciousness metaphys. 127
 - Unction, extreme theology 265.7
 - Underground
 - contact elec. traction 621.3325
 - railway slavery 326.973
 - U. S. civ. war 973.7115
 - stations arch. 725.319
 - roads engineering 625.4
 - mining engin'g 622.62
 - water phys. geog. 551.49
 - wiring elec. lines 621.31923
 - Underhill sheep 636.3231
 - Undershot wheels engin'g 621.23
 - Understanding psychology 153
 - Understudies lib. econ. 023.702
 - Underwear dom. " 646.42
 - Underwriters
 - rules elec. lighting 621.3281
 - Undulation
 - dynamics 531.33
 - sound 534.1
 - Undulatory theory of light 535.1
 - Unfair apportionment 328.3345
 - ¹Ungava, Can. history 971.28
 - Ungulata mammals 599.7
 - Unicameral legislature 328.391
 - Unicorns folklore 398.4

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Unification of Italy	945.09	United States of America	
Uniform laws legislation	328.22	boundaries	973
Uniformity		Christian commission	267.11
act of Eng. relig. hist.	274.2	U. S. hist.	973.7781
Uniforms		coast survey	526
domestic	647	colleges	378.73
library	023.95	constitutional law	342.73
military equipment	355.81	daughters 1776-1812 soc.	369.142
esthetics	355.14	education	370.973
Uninsulated conductors, elec.	621.31932	finance	336.73
Union		fine arts	709.73
act Can. history	971.039	geology	557.3
Canadian history	971.04	government admin.	353
¹ co. Ill. history	977.3995	hereditary societies	369.1
¹ Ind. "	977.262	¹ history	973
¹ Ia. "	977.785	laws	345
¹ N. J. "	974.936	⁵ literature	810
¹ O. "	977.153	maps	912.73
¹ Pa. "	974.848	national bank U. S. hist.	973.41
prisoners of war ass'n	369.155	patriotic societies	369.1
railroad stations arch.	725.313	religious history	277.3
soveren states	321.022	sanitary com. charity	361
veterans union	369.154	U. S. hist.	973.7771
zootchny	636.082453	schools, public	379.73
Unionidæ zoology	594.1	ship U. S. war of 1812	973.525
Unionists in South		socialism	335.973
U. S. civil war	973.717	statistics	317.3
Unions		statutes	345
English local gov't	352.0424	travels in	917.3
trade polit. economy	331.88	treaties	341.273
Unique books rarities	094	war of 1812, military soc.	369.143
Unisexuales botany	583.95	society	369.141
Unit of work mechanics	531.41	zoology	591.973
Unitarian church	288	United States of Colombia	
Unitarians biografy	922.81	¹ history	986
United		Units electric	537.7
Americans polit. soc.	363	physical	530.8
brethren sects	284.6	Unity	
colonies N. Eng. U.S. hist.	973.23	metaphysics	111
confederate veterans	369.174	of God doctrin	231
Empire loyalists Can. hist.	971.024	human race	572.1
¹ Kingdom history	942	knowledge	121
¹ Netherlands "	949.2	language	401
presbyterian church sects	285.4	nature	501
¹ Provinces history	949.2	territory pol. sci.	320.124
servis, military and naval	355	Univalvs mollusks	594.3
sons of confed. veterans	369.173	Universal	
United States of America		gravitation, law of mech.	531.51
administration	353	history	909
antiquities	913.73	joints mech. eng.	621.825
architecture	720.973	language	408.9
bank political econ.	332.11	military servis	355.22
U. S. history	973.56	suffrage	324.211
botany	581.973	Universala univ. lang.	408.9

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Universalism sects	289.1	Upperdown sheep	636.3231
Universalists biography	922.81	Uprisings	
Universals metaphysics	113	political	323.2
Universe astronomy	523.1	¹ Upshur co. W. Va. hist.	975.462
Universities	378	Uptakes steam engin'g	621.18382
architecture	727.3	Urachus anatomy	611.622
state and national	379.16	Ural-Altaic languages	494
University		literatures	894
clubs, general	378.068	Uranium chemistry	546.791
courts disciplin	378.113	Uranograpy astronomy	523
education	378.01	Uranus planets	523.47
extension	378.13	Urates physiology	612.461267
libraries education	371.647	Urban	
lib. econ.	027.7	roads engineering	625.712
of the State of New York	379.747	Urchins, sea	
people's, library as the	021.2	fishery	639.6
Universology cosmology	113	zoology	593.95
Unofficial		Urea	
ballot pol. sci.	324.351	glandular system physiol.	612.4612
legislativ lists	328.339	physiology of liver	612.3531
Unregenerate doct. theol.	233.2	nutrition	612.398193
Unstratified ores econ.geol.	553.15	Ureameters physiology	612.46121
Upholstering		Uredineæ botany	589.225
mechanic trades	684	Uremia physiology	612.466231
Upholstery dom. econ.	645.4	Ureters anatomy	611.617
Upland Leicester sheep	636.3213	physiology	612.4671
sheep, German	636.333	Urethra anatomy	611.623
Upper		female "	611.674
¹ Austria history	943.62	male "	611.623
travels	914.362	diseases of	616.64
¹ Bavaria history	943.36	Urfé, Honoré d' Fr. fiction	843.41
travels	914.336	Uric acid	
¹ Canada history	971.3	physiology of kidneys	612.46125
travels	917.13	nutrition	612.398193
chamber legis. bodies	328.31	Urin	
¹ Egypt history	962.3	chemic analysis	543.9
travels	916.23	physiology	612.46
extremities anatomy	611.97	study of disease	616.076
bones "	611.717	Urinals	
deep veins "	611.14541	air pollution	614.764
joints "	611.727	public sanitation	628.45
lymf glands "	611.467	Urinary	
lymfatics "	611.4217	organs anatomy	611.6
muscles "	611.737	diseases	616.63
superfic. veins "	611.14546	secretion physiol. zool.	591.149
¹ Franconia history	943.31	⁴ Uriya language	491.45
travels	914.331	Urobilin physiology	612.46127
¹ Guinea history	966.5	Urochrome "	612.46127
travels	916.65	Urodela batrachia	597.9
house legislativ bodies	328.31	Urogenital sinus anat.	611.629
¹ Palatinate history	943.34	Ursulines sisterhoods	271.974
travels	914.334	Urticacæ botany	583.962
Silurian group geology	551.732	Urticaria diseases	616.51
Syria ancient history	939.41	¹ Uruguay history	989

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Usages, social	etiquet	395	Vacancies		
Use of			legislativ bodies		328.3357
library, free	lib. econ.	024.28	Vacation		
² words	Eng. philology	428.3	closing	lib. economy	024.44
Useful arts		600	loans	" "	024.612
biograpy of		926	schools		374.8
Usefulness of			terms	universities	378.14
animals	econ. zoology	591.61	Vacations		
plants	econ. botany	581.61	hygiene		613.76
Ushers	library servis	023.78	laboring classes		331.816
Ustilagineæ	botany	589.227	library economy		024.44
Usury	banking	332.8	staff		023.66
law		347.7	school education		371.23
Utah, U. S.			teachers	"	371.167
acquisition	Mex. war	973.621	Vaccinal syphilis cont. dis.		614.4733
admission	U. S. hist.	973.87	Vaccination cont. diseases		614.473
¹ history		979.2	Vacciniaceæ	botany	583.61
mil. hist.	U. S. civ. war	973.7492	Vaccinization	contag. dis.	614.4735
Spanish war		973.89492	Vacuum		
Utensils			cleaners	dom. economy	648.52
kitchen		643.35	mech. engin'g		621.55
special for cooking		641.58	lamps	elec. lighting	621.3273
Uterin artery	anatomy	611.13773	machines	refrigeration	621.575
circulation	physiol.	612.6271	pump	chem. apparatus	542.77
ligaments	anat.	611.667	regulators	" "	542.77
Uterins	therapeutics	615.766	Vaga sheep		636.3317
Utero-ovarian nervs	anat.	611.8393	Vagabonds	pauperism	339
Uterus			Vagina		
anatomy		611.66	admin. of med. by		615.66
diseases of women		618.14	anatomy		611.671
inversion in labor		618.57	diseases of women		618.15
masculus	anatomy	611.6231	Vaginal artery	anatomy	611.13773
physiology		612.627	nervs	"	611.839
¹ Utica, N. Y.	history	974.763	Vagrancy	pauperism	339
Utilitarianism	ethics	171.5	Vagus		
Utilities, public		380	nerv	anatomy	611.83191
Utility of filosofy		101	hart		612.1781
² special subjects see subject			larynx		612.7822
Utilization			physiology		612.81991
of animals	zootechny	636.088	respiration		612.287
Utopias	polit. science	321.07	stomach		612.3272
Utrecht, Peace of	Eur.hist.	940.22	nuclei	anatomy	611.8187
Utricle	anatomy	611.8525	nucleus and respiration		612.282
physiology		612.8582	Valais sheep, Swiss		636.338
Uveal tract	anatomy	611.842	goat	"	636.5936
physiology		612.842	Valbergieae	forage crops	633.377
Uvula	anatomy	611.315	Valdés, J. M.	Span. poetry	861.46
			¹ Valencia	history	946.7
			travels		914.67
			Valencias	chemistry	541.39
			Valerian	therapeutics	615.789
			Valerianeæ	botany	583.531
			Vallenberg, J.	Swed. fiction	839.7342
			Valley Forge	Amer.revol.	973.3341

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- Valleys phys. geograpy 551.43
 Valois, house of Fr. history 944.025
 Valsalva, sinuses o anat. 611.1265
 Valuation
 farm economics 631.112
 tax assessment 336.29
 Value
 commercial, of food zoot. 636.0854
 economic, of fertilizers 631.815
 nutritiv, of food zoot. 636.0852
 of moneys, comparativ 332.45
 old books lib. econ. 025.223
 political economy 330.1
 standards of money 332.42
 thermodynamic, of
 albuminoses physiol. 612.398172
 albumins " 612.3985
 carbohydrates " 612.3965
 fats " 612.3975
 food " 612.3925
 peptones " 612.398172
 Values
 average probabilities 519.6
 educational curriculum 375
 food dom. economy 641.1
 Valv
 bugle musical instru. 788.47
 gearing mech. eng. 621.84
 motions " " 621.84
 Valvs
 blowout steam engin'g 621.18479
 hydraulics 532.55
 of hart anatomy 611.1263
 physiology 612.1713
 safety steam engin'g 621.18473
 sewer appurtenances 628.257
 steam locomotiv 621.1342
 pipe 621.1854
 turbine design 621.16535
 Valvulae conniventes anat. 611.3414
 Valylene organ. chem. 547.24
 Vampire folklore 398.4
 zoology 599.4
¹Van history 956.6
 Vanadates mineralogy 549.72
 Vanadium group chem. 546.85
 Vanbrugh Eng. drama 822.47
 Van Buren, M. presidency 973.57
¹Van Buren co. Ia. hist. 977.798
¹ Mich. " 977.413
¹Vancouver island " 971.1
 Vandals " 943.01
¹Vanderburg co. Ind. " 977.233
¹Van Dieman's Land " 994.6
¹Van Wert co. O. hist. 977.141
 Vanes steam turbin design 621.16532
 theory 621.16512
 Vanilla field crops 633.821
 Vapor
 baths therapeutics 615.853
 engins, binary mech.eng. 621.44
 exhalation physiology 612.25
 lamps elec. lighting 621.327
 Vaporization
 heat 536.44
 practical chemistry 542.48
 Vapors
 inhalation of hygiene 613.62
 meteorology 551.57
 properties of 533.1
¹Var, France history 944.93
 Varangian kingdom hist. 947.02
 Varchi, B. Ital. essays 854.38
 Variable
 stars astronomy 523.84
 temperature hygiene 613.64
 Variables
 complex algebra 512.82
 calculus 517.8
 Variation
 evolution 575.2
 in animals phys. zool. 591.15
 zootechny 636.08211
 negativ physiol. of cells 612.0144232
 nervs 612.8132
 of compass 522.76
 elements of orbit 521.34
 Variations
 calculus of 517.4
 of animal heat physiol. 612.55
 longitude and latitude 521.28
 right ascen. and declin. 521.27
 piano music 786.48
 Varicosities, nerv histology 611.01883
 Varieties of cheese 637.35
 Variety
 in feeding zootechny 636.08445
 vs monotony lib. work 023.701
 Variolation contag. dis. 614.472
 Varioloid diseases 616.912
 Varnishes chem. technol. 667.7
 Varnishing painting 698.3
 Varnishmaking air pollu. 614.736
 Varying speed motors 621.313248
 Vas aberrans anatomy 611.1354
 deferens " 611.634
 Vasa aberrantia " 611.633
 brevia artery " 611.13642

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Vasa efferentia	anat.	611.6311	Vegetable		
recta	"	611.6311	food	physiol.	612.3927
Vascular system	anatomy	611.1	forms	decora. in relief	729.51
	diseases	616.1		painted decora.	729.41
	physiology	612.1	gardening		635
Vases	domestic economy	645.5	irritants	poisons	615.93
	pottery	738	manures	agric.	631.87
Vasoconstrictors	physiol.	612.183	markets	dom. econ.	641.4
Vasodilators	"	612.184	marrow		635.623
Vasomotors			materials	engin'g	620.197
cerebral	physiology	612.8243	milks		637.181
influence on temperature		612.531	nitrogen	fertilizers	631.847
physiology		612.18	oils	chem. tech.	665.3
Vasquez de Coronado			oyster		635.16
discovery of America		973.16	parasites	diseases	616.969
Vassal states	pol. sci.	321.028	physiology		581.1
Vassalage		321.3	poisons	toxicology	615.9
Vassar college		376.8	sponge		635.627
Vastus muscles	anatomy	611.73822	substances, analysis of		543.8
Vater, process of	"	611.367	trades	air pollution	614.73
Vatican council, 1870		262.13	world	botany	580
Vaticination	prediction	133.3	Vegetables		
Vats	voltaic cells	621.3521	and animals	physiol.	612.0135
Vattemare	exchange syst.	021.852	cand, inspec. of, pub. helth		614.318
¹ Vaucluse, France	history	944.92	field crops		633.4
Vaudois	Christian sects	284.4	fresh, inspec. of pub. helth		614.316
	persecution	272.3	garden crops		635
¹ Vaudreuil co. Que.	hist.	971.426	preservation	chem. tech.	664.8
Vaulting	athletics	613.72	Vegetarianism	hygiene	613.26
Vaults				physiol.	612.39271
air pollution		614.764	Vegetation	botany	580
architectural construc.		721.43	Vehicles		
design		729.34	carbuilding		699
carvd	arch. decoration	729.58	carriage making		684
disinfection	contag. dis.	614.48	farm transport		631.373
painted	arch. decor.	729.48	motor		629.2
receiving	architect.	726.8	Vehmgericht	criminal law	343.43
suffocation in	prot. of life	614.82	Vein, fluid	hydraulics	532.52
Vector, equation of radius		521.38	Veins	admin. of med. by	615.65
Vedas	Sanskrit literature	891.2	air in	physiol.	612.1341
Vedel, A. S.	Dan. misc.	839.883	anatomy		611.14
Vega, G. de la	Span. poet.	861.31	diseases		616.14
Carpio, L. F. de		862.31	geology		551.88
Vegetable			mineral	econ. geol.	553.19
anatomy	comparativ	581.4	pressure in	physiol.	612.144
	descriptiv	581.7	Veldeke, H. van	Dut. poet.	839.3112
chemistry		547	Veldlakers	cattle	636.2354
diet	hygiene	613.26	Vellum	books	rarities
drugs	mat. med.	615.32-3	Velocipedes		629.2
dye plants	agric.	633.86	Velocity		
farms		631.142	in sewers	sanit. eng.	628.219
fats	chem. tech.	665.3	of light	optics	535.2
food	dom. econ.	641.3	liquids	hydraulics	532.57
hygiene		613.26			

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- Velocity
of sound acoustics 534.2
tide wave tides 525.65
turbins engineering 621.16522
- Velum
interpositum anat. 611.8192
medullare, posterior 611.81711
superior 611.8163
- Velvet bean forage crops 633.363
- Vena cava, inferior anat. 611.146
superior " 611.145
- ¹Venango co. Pa. history 974.896
- ¹Vendée, France " 944.61
war in Fr. " 944.042
- Vendors law 347.7
- Veneer manufacture 674
- Veneer grafting 631.54135
- Veneering arch. decor. 729.6
cabinet work 684
- Venereal diseases 616.95
- Venery, excessiv, effects of 616.984
- Venesection therapeutics 615.811
- Venetia ancient history 937.3
¹ modern " 945.3
- Venezuela
boundary U. S. history 973.87
¹ history 987
travel 918.7
¹Venice history 945.3
travels 914.53
- Venom poisoning physiol. 612.3145
- Venoms comp. physiol. 612.314
- Venous
blood physiology 612.114
circulation " 612.134
duct of Arantius 611.1497
pulse physiology 612.1342
thrombosis, puerperal 618.77
- Vent ordnance 623.4242
- Ventilating science 536.84
- Ventilation
bilding 697.9
library economy 022.89
mining engineering 622.4
of house dom. econ. 644.5
kitchen " " 643.32
school bildings 371.628
pulmonary physiol. 612.2162
sanitary engineering 628.8
sewers " 628.23
shipbilding 623.85
- Ventilators sewer appurte. 628.256
- Ventricle
of brain, 3d anatomy 611.8148
4th " 611.8185
5th " 611.8139
- Ventricles
of brain, lateral anat. 611.8138
hart " 611.124
larynx " 611.224
- Ventricular coronary vein 611.1493
- Ventriloquism amusem'ts 791
physiol. 612.7895
- ¹Ventura co. Cal. hist. 979.492
- Venus planets 523.42
transits astron. 523.92
- Vera Cruz, Mexico
battle Mex. history 972.05
U. S. " 973.6237
¹ history 972.6
- Veranda furniture 645.8
- Veratrum group therapeu. 615.716
- Verbal
² forms Eng. etymol. 422.8
² syntax 425.8
² inflection morphol. 425.18
- Verbatim reporting 653.046
- Verbenaceæ botany 583.88
- ¹Verchères co. Que. history 971.436
- Verga, Giovanni Ital. fic. 853.84
- Verification
of legislativ powers 328.36
- Vermes articulates 595.1
- Vermiform appendix anat. 611.3452
physiol. 612.363
surgery 617.55
- Vermifuges therapeutics 615.733
- ¹Vermilion co. Ill. history 977.365
¹ Ind. " 977.246
- Vermont, U. S.
admission U. S. history 973.41
¹ history 974.3
For military history, see subdivisions of Special campaigns and Military history under 973.3, 973.52, 973.7 and 973.89
- ¹Vernon co. Mo. history 977.844
¹ Wis. " 977.573
- ¹Verona, Italy " 945.3
travels 914.53
- Verplanck, G. C. Am. sat. 817.25
- Verrazano discov. of Am. 973.18
- Versailles description 914.436
¹ history 944.36
- ²Verse, science of 416
textbooks for writ'g 426.8
- ²Versification Eng. prosody 426.2

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Version	obstetric opera.	618.82	Veto		
Vertebrae	anatomy	611.711	overriding	legis. proced.	328.375
Vertebral			pocket	" "	328.375
artery	anatomy	611.1349	power of president	U. S.	353.03
articulations	"	611.721	Veticost	salad plants	635.57
colum	"	611.711	Viaducts	bridges	624
Vertebrates	paleontology	566	Viaticum	sacrament	265.7
	zoology	596	Viau, T. de	French satire	847.41
Vertical			Vibratil	cilia physiol.	612.72
impulse wheels		621.233	Vibration		
marine engins		621.1224	acoustics		534.5
prime astronomy		522.47	dynamics		531.32
steam engins		621.11244	Viburnum	uterins	615.766
Vertigo			Vice		
diseases		616.841	administration		351.76
physiology		612.8863	crime		343
Verumontanum	anat.	611.6231	education		379.21
Vesical			Vicente, Gil	Span. drama	862.22
apparatus, innervation		612.4673	Vices	ethics	170
artery, inferior	anat.	611.13772	Vicieae	forage crops	633.378
superior	"	611.13771	Vicksburg		
nervs	"	611.839	naval hist.	U. S. civ. war	973.753
Vesicants	therapeutics	615.774	siege	"	973.7344
Vesicles, seminal	anat.	611.636	Vicq-d'Azyr, bundle of		611.8142
Vesicular affections of skin		616.52	Victor Emmanuel 2	Ital. hist.	945.08
Vespers				"	945.09
Anglican ritual		264.034	Victoria, Queen	Eng.	942.081
music		783.2		Scot.	941.08
Vespucci	discov. of Amer.	973.16	¹ Victoria, Australia		994.5
Vessel, J. H.	Dan. poetry	839.8153	¹	co. N. B.	971.553
Vessels	shipbuilding	623.8	¹	N. S.	971.693
Vestibular			¹	Ont.	971.364
ganglion	anatomy	611.89185	Victorian Gothic	architec.	724.4
nerv	anatomy	611.83185	Victrola	mech. instrum'ts	789.8
nucleus	"	611.8178	Vienna		
Vestments	ecclesiology	247.7	congress of	Europ. hist.	940.27
Vesuvius	volcanoes	551.21		interna. law	341.1
Vetches	forage crops	633.35	¹	history	943.61
Veteran relief union, woman's		369.162		travels	914.361
Veterans	societies		¹ Vienne, France	history	944.63
association, confederate		369.172	Vieussen's valv	anat.	611.8163
Great war		369.186	Vignettes	engravings	760
national ass'n of naval		369.157	Vigny, A. V.	Fr. drama	842.75
of Mexican war		369.146		poetry	841.76
regular army and navy		369.112	¹ Vigo co. Ind.	history	977.245
Spanish war		369.181	Vikanera	language	491.43
union, Union		369.154	Vikings	history	948.01
U.S. army, soc. of sons of		369.165	¹ Vilas co. Wis.	history	977.523
Veterinary			Village		
medicin		619	communities		321.2
	zootechny	636.089	homes	architecture	728.6
sanitation	pub. helth	614.9	newspapers		070.236
Vetiver	perfume plants	633.815	Villains	feudalism	321.3
			social classes		323.34

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- Villari, P. Ital. essays 854.84
 Villas architecture 728.84
 Villemain, A. F. Fr. essays 844.72
 Villenage feudalism 321.3
 social classes 323.34
 Villi, lacteal anat. 611.4265
 Villon, François Fr. poetry 841.25
 Vincennes, Ind. Am. revol. 973.3348
 Vincent de Paul, sisterhood 271.91
 Vinci, Leonardo da Ital. lit. 854.25
 Vinciguerra, A. Ital. satire 857.23
 Vindelicia anc. history 939.83
 Vindications
 American revolution 973.38
 U. S. civil war 973.78
 war of 1812 973.528
 Vine culture agriculture 634.8
 Vinegar making
 air pollution 614.733
 chemic technology 664.5
 Vines botany 581.5
 layering horticulture 631.5347
 Vinyard plow 631.3127
 Vinyards 634.8
¹Vinton co. O. history 977.1837
 Viola stringd instruments 787.2
 Violarieæ botany 583.135
 Violets horticulture 716.2
 perfume plants 633.811
 Violins stringd instrum. 787.1
 Violoncello " " 787.3
 Virgil Latin epic poetry 873.1
¹Virgin ilands history 972.97
 travels 917.297
 Virgin Mary biography 225.92
 catholic doc. 230.2
 Virginia, U. S.
 British in Amer. revol. 973.3374
¹ history 975.5
 For military history, see subdivisions of Special campaigns and Military history under 973.3, 973.52, 973.62, 973.7 and 973.89
 secession U. S. history 973.713
 Virginia strawberry 634.754
¹Virginia, West history 975.4
 travels 917.54
 For military history, see subdivisions of Special campaigns and Military history under 973.7 and 973.89
 Virginity relig. asceticism 248
 Virginius incident U.S.hist. 973.82
 Virtues 170
 Viscosity of blood physiol. 612.11814
 Visibility of stars astron. 523.82
 Visible speech phonology 414
 Visigoths German history 943.01
 Vision
 disorders blind asylums 362.4
 diseases of eye 617.75
 mental faculty 152.1
 optics 535.7
 organs of anatomy 611.84
 physiology 612.84
 Visions and dreams 135
 Visitation
 and search internat. law 341.3
 pastoral 253
 Visitations Eng. heraldry 929.726
 Visits, school educ. methods 371.393
 Visscher, M. T. Dut. poet. 839.3133
 Visual
 acuteness physiol. 612.84363
 angle optics 535.7
 impressions, persistence 612.8435
 instruction education 371.335
 sensibility physiology 612.84363
 Vital
 capacity respiration 612.24
 fenomena biology 577
 force biology 577.6
 functions animals 591.1
 man 612
 statistics population 312
 pub. helth 614.1
 Vitalis Swedish satire 839.7762
 Vitalism biology 577.6
 physiol. 612.0134
 Vitality zoology 591.139
 Vitellin sac embryology 611.01381
 Vitreous
 humor anatomy 611.8447
 eye diseases 617.74
 physiology 612.8447
 Vitrified
 brick pavements road eng. 625.87
 Viva voce
 vote legislativ proced. 328.375
 Vivipara generation 591.168
 Vivisection
 animal anatomy 591.7
 ethics 179.4
 laws public helth 614.23
 physiology 612.077
 Vocal
 cords anat. 611.225
 false anat. 611.223
 culture elocution 808.5
 music 784.9
 hygiene, etc. 784.9

Vocal			Vortex rings molec. phys.	539.1
music		784	Vos, Jan Dutch drama	839.3234
organs	acoustics	534.7	¹ Vosges, France history	944.39
	comp. physiol.	612.786	Vosmaer, Jacob Dutch fic.	839.3352
	diseases of	616.2	Voss, J; H; Ger. poetry	831.65
	human anatomy	611.2	Vote	
	innervation	612.819923	announcements suffrage	324.261
	physiology	612.78	class	324.214
Vocalists' lives	singers	927.8	legislative procedure	328.375
Vocation, choice of		374.1	majority legis. bod.	328.3355
Vocational education		371.42	plural suffrage	324.213
Vochysiaceæ	botany	583.145	plurality legis. election	328.3355
Voice			result elections	324.26
elocution		808.5	Voters qualifications	324.1
physiology		612.78	Voting	
² signs Eng. etymol.		422.8	compulsory suffrage	324.215
singing		784.9	in person legis. proced.	328.375
Volapük	universal lang.	408.91	machines pol. sci.	324.258
Volcanic			place suffrage	324.246
ashes lithology		552.22	suffrage	324
rocks	"	552.2	Vowel production physiol.	612.7894
tufa	"	552.22	³ Vowels Eng. language	421.2
Volcanoes	physical geol.	551.21	Vows asceticism	248
Volition, <i>see</i> Will			Voyages	
Volklied	vocal music	784.4	Antarctic	919.9
¹ Vologda, Russia	history	947.2	Arctic	919.8
Voltage meters	elec. eng.	621.3743	round the world	910.4
Voltaic			scientific	508.3
cells engineering		621.35	travels	910.4
electricity physics		537.5	⁴ Vulgarisms Eng. lang.	428.3
Voltaire, F. M. A. de			Vulgate Bible	220.47
French drama		842.56	Vulva anatomy	611.673
fiction		843.54	diseases of women	618.16
Voltmeters	elec. eng.	621.3743	Vulvo-vaginal glands	611.677
Volume				
chemic apparatus		542.35		
of muscle physiol.		612.7412		
organs	"	612.189		
Volumetric				
analysis chemistry		545.5		
geometry		513.3		
Voluntary	music	786.87		
Volunteers	army	355.22		
	soc. of loyal	369.153		
	U. S. civ. war	973.7412		
Vomer	anatomy	611.7159		
Vomiting	diseases	616.33		
	physiology	612.3277		
Vomitories	physiology	612.3278		
	therapeutics	615.731		
Vondel, J. van der	Dut. lit.	839.3132		
Voodooism		133.4		
Voorhees silver act	U.S.hist.	973.87		
Vorm, Jacob	Dan. poetry	839.8138		

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

¹ Wabash co. Ill. history	977.378	Walking	
¹ Ind. "	977.283	plow	631.3121
Wace, Robert Fr. poetry	841.12	school hygiene	371.737
Wadmar, J. A. Swed. sat.	839.7761	Walks landscape gard'ng	713
Wadskjær, K. F. Dan. poet.	839.8146	Wall	
Wage		coverings dom. econ.	645.2
fund polit. econ.	331.212	decoration school bldgs	371.634
living " "	331.214	lamps dom. econ.	644.325
minimum " "	331.215	papers decoration	745
scales " "	331.22	manufacture	676
Wagenaar, Jan Dut. misc.	839.384	paper hanging	698.6
Wager of battle legal antiq.	340.3	inspection pub. health	614.37
Wagers ethics	175.9	street banking	332.6
Wages		training plant culture	631.5464
attachment of	347.7	¹ Wallachia history	949.8
bases of polit. econ.	331.23	⁴ Wallachian language	459
domestic economy	647.7	literature	859
farm economics	631.173	sheep	636.373
for state labor	331.262	Waller, E. Eng. poetry	821.44
in special countries	331.29	Wallikiki fowls	636.5882
trades	331.28	Wallin, J. O. Swed. poet.	839.7162
labor and polit. econ.	331	Walls	
loans on pol. econ.	332.315	architectural construc.	721.2
stock farming	636.08173	design	729.31
work at reduced	331.5	incrusted arch. decora.	729.61
Wagner, Battery, S. C.		mosaic " "	729.72
U. S. civil war	973.7351	painted " "	729.49
Wagnerian music	782.2	schoolroom education	371.634
Wagons		stone agriculture	631.27
farm transport	631.3735	Walnut	634.51
manufacture	684	Walpole, H. Eng. letters	826.61
milk dairy	637.135	Walruses zoology	599.7
Wain, threshing	631.3611	Walther von der Vogelweide	831.27
Waiting room lib. bldgs	022.682	Waltz music	786.46
Waitresses dom. econ.	647.25	Waltzing amusements	793
Wake funeral customs	393.9	ethics	175.3
Wakefulness hygiene	613.86	¹ Walworth co. Wis. hist.	977.589
¹ Waldeck, Germany hist.	943.57	Wandering Jew legends	398.2
Waldenses persecutions	272.3	¹ Wapello co. Ia. history	977.793
sects	284.4	War	
Waldflute wind instrum.	788.5	captures law	341.3
Waldis B. Ger. poetry	831.42	cause of "	341.3
¹ Waldo co. Me. history	974.15	civil U. S. history	973.7
¹ Wales history	942.9	customs of	399
language	491.66	dances	399
travel	914.29	department, U. S.	353.6
Walker's filibuster exped.		ethics	172.4
Nicaragua history	972.85	French and Indian	973.26
U. S. history	973.66	Great 1914-19	940.3
Walking		law of	341.3
animal locomotion	591.47	Mexican U. S. history	973.62
cultivators	631.3162	ministries of architect.	725.12
matches amusements	796	of 1812 Can. hist.	971.034
pedestrianism	613.72	society	369.141

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

War		
of 1812	U. S. history	973.52
roses	Eng. history	942.04
revolutionary	U.S. "	973.3
rockets	mil. engin'g	623.45432
science and art of		355
seven years	Can. hist.	971.018
	U. S. "	973.26
Spanish	succession	
	Eng. history	942.069
	French "	944.033
	U. S. "	973.25
thirty years	Eur. "	940.24
woman in woman's pos.		396.9
Warblers	birds	598.8
Ward, Artemus	Am.humor	817.37
E:	English humor	827.51
N.	American satire	817.11
Ware, W:	" fict.	813.25
Warehouses	architecture	725.35
bonded	"	725.14
Warm baths	"	725.73
	hygiene	613.42
Warmers, bed		644.19
Warming		
blding		697
pans		644.19
sanitary engineering		628.8
science		536.83
Warmth of soil		631.436
Warner, C: D.	Am. satire	817.41
Warnings	omens	133.3
wether	agriculture	632.112
Warpt surfaces	descr.geom.	515.17
Warrantis	law	343
Warren, M.	Am. drama	812.11
Warren, Ill.	history	977.341
1	co. Ind. "	977.296
1	Ia. "	977.782
1	Mo. "	977.8386
1	N. J. "	974.978
1	N. Y. "	974.751
1	O. "	977.176
1	Pa. "	974.867
1	Warrick co. Ind. "	977.232
1	Warsaw "	947.5
	travels	914.75
Warships		
shipblding		623.825
Warts	skin diseases	616.54
1	Warwick, England hist.	942.48
1	Washburn co. Wis. "	977.515
Washers, butter		637.2323
	root	631.3626
Washing		
butter		637.2333
housecleaning		648.54
laundry		648.1
machines	dom.econ.	648.23
practical chemistry		542.69
roots	farm operations	631.5626
Washington, George		
presidency of	U.S. hist.	973.41
Washington		
city, D. C.	burning	973.5238
	capital of U.S	973.44
1	history	975.3
	travels	917.53
1	co. Ill. history	977.388
1	Ind. "	977.222
1	Ia. "	977.792
1	Me. "	974.14
1	Md. "	975.291
1	Mo. "	977.864
1	N. Y. "	974.749
1	O. "	977.198
1	Pa. "	974.882
1	R. I. "	974.59
1	Vt. "	974.34
1	Wis. "	977.591
Fort	Am. revol.	973.3324
state		
	admission U.S.hist.	973.86
1	history	979.7
	mil. hist. Spanish war	973.89497
	U S.civ.war	973.7497
	treaty of	341.273
Washingtonian homes		
architecture		725.65
Washington's		
birthday	in schools	371.365
hedquarters	Am. revol.	973.367
1	Washtenaw co. Mich. hist.	977.435
Wasp and		
Frolic	U. S. war 1812	973.5251
Reindeer	" " "	973.5255
Wasps	insects	595.79
	pests	632.79
Waste		
domestic	sanitation	628.44
and repair	biology	577.2
land	pol. econ.	333.7
	reclamation	631.612
repair of	animal physiol.	591.136
Wastes		
air pollution	pub. health	614.7
boiler fuels	engin'g	621.18225

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Wastes		
domestic	dom. econ.	648.5
	sanitation.	628.44
factory	"	628.54
sewage disposal		628.3
Watch dogs	zootechny	636.0835
Watches	horology	529.78
	manufacture	681
Watchmaking		681
Watchman	lib. economy	023.792
Water		
artificial ponds, etc.		714
as beverage	hygiene	613.31
assimilation	physiol.	612.3923
baths	prac. chemistry	542.46
blast	hyd. mach.	621.269
	physics	532.85
buffalo		636.293
chemic analysis		543.3
closets	air pollution	614.764
	house drainage	628.6
colors		751
cost	farm irrigation	631.75
courses, natural	hygiene	614.772
cress		635.561
cure	therap.	615.853
distribution	farm irriga.	631.74
diuretics	"	615.761
engins	mech. eng.	621.2
exhalation from lungs		612.25
falls	phys. geografy	551.48
feeding	zootechny	636.08431
filters	hygiene	613.35
food value		641.16
force of	engineering	627.1
fowl	zoology	598.3
gages	steam engin'g	621.18472
gas	heating	697.6
geologic action		551.92
glass	chem. tech.	666.1
	fireproofing	614.841
	preservativ	691.1
hot, cookery		641.587
cooking appliances		643.338
hydraulics		532
ices	dom. economy	641.86
in soil		631.432
inorganic chemistry		546.11
lillies	botany	583.118
	horticulture	716.2
marks		676
mesology		612.014461
meteorology		551.57
microscopic anal.	hyg.	613.33
Water		
of crystallization	chem.	541.8
physical geografy		551.4
pipes	high pressure	621.253
	hydraulics	532.54
	sanitary eng.	628.15
pollution from cemeteries		614.651
power agricultue		631.3713
	electric plants	621.312134
	hydraulic engin'g	627
	mech. eng.	621.2
pressure engins		621.25
products		338.3
quantity in organisms		612.0144613
ram engineering		621.27
	hydraulics	532.83
rights	pol. econ.	333.9
supply	agriculture	631.7
	canal engin'g	626.2
	rural	628.7
	sanitary engin'g	628.1
tables	walls	721.25
tight linings	drainage	622.56
towers	fire extinction	614.846
	waterworks	628.13
travel	protec. of life	614.864
tube boilers		621.18426
underground	phys. geog.	551.49
vapor, exhalation	physiol.	612.25
ways	administration	351.813
wheels	hydraulics	532.84
	mech. eng.	621.21
works		628.1
	city admin.	352.6
Waterers, locomotiv		621.1363
¹ Waterford, Ireland	hist.	941.91
Watering		
place bildings	arch.	725.75
places	hygiene	613.12
Waterline		
belt	armoring	623.9
Waterloo		
battle of	Fr. history	944.05
Waterloo		
¹ city, Ia.	history	977.7371
¹ co. Ont.	"	971.344
Watermelon		635.615
Waterproofing	bilding	691
Waters		
carbonated	hygiene	613.38
mineral	adulterations	614.348
	artificial	663.6
	hygiene	613.38
	therapeutics	615.79

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Watt			
hour meters	elec. eng.	621.3745	
meters	" "	621.3746	
ship	Amer. revol.	973.356	
¹ Waukesha co. Wis.	hist.	977.593	
¹ Waupaca co. Wis.	" "	977.538	
¹ Wausau, Wis.	" "	977.529	
¹ Waushara co. Wis.	" "	977.557	
Wave	muscle	physiol.	612.7413
	theory	optics	535.1
		sound	534.1
Waves			
nerv, theories	physiol.	612.8162	
theory of	hydraulics	532.59	
Wax, bees		638.1	
flowers		746	
gourd		635.618	
grafting		631.341	
Waxhaws, N. C.	Am. rev.	973.3361	
Wayne, A.	" "	973.3354	
¹ Wayne co. Ill.	history	977.3792	
¹	Ind.	977.263	
¹	Ia.	977.788	
¹	Mich.	977.433	
¹	Mo.	977.892	
¹	N. Y.	974.787	
¹	O.	977.161	
¹	Pa.	974.823	
¹	W. Va.	975.447	
Wayne's exped.	U.S.hist.	973.43	
Weak current engineering		621.38	
Wealth, see	Welth		
Weaning	zootechny	636.08412	
Weapons, see	Wepons		
Weather	meteorology	551.5	
Weathering	eng. materials	620.1122	
Weaverbirds	zoology	598.8	
Weaving	elem. education	372.55	
	manufactures	677	
¹ Webb city, Mo.	history	977.8722	
Webster			
and Hayne debate		973.561	
Daniel	Am. oratory	815.27	
John	English drama	822.36	
Noah	Amer. essays	814.22	
¹ Webster co. Ia.	history	977.751	
¹	Mo.	977.882	
¹	W. Va.	975.465	
Wedding customs		392.5	
Wedge	physics	531.86	
	bones, carpal	anat. 611.71773	
	tarsal	" 611.71878	
Wedgewood ware	pottery	738	
Weed cutters		631.3155	
Weed hoe		631.3154	
	hook	631.3155	
Weeder		631.3154	
Weeding		631.515	
	iron	631.3154	
Weeds	econ. botany	581.6	
	pests	632.58	
Week, names of days of		529.2	
Weekly half holiday, lib.		023.651	
	rest labor classes	331.817	
Weems	prehistoric arch.	571.82	
Weevils	pests	632.76	
Weighing	chemistry	542.32	
Weight			
	chemic apparatus	542.32	
	of earth	525.11	
	human brain	physiol. 612.823	
	tables	zootechny 636.08181	
Weights			
	and mesures	metrology 389	
		state control 351.821	
	atomic	theor. chem. 541.2	
Weirs	hydraulic engin'g	627.8	
		mach. 621.269	
	hydraulics	532.53	
Weise, C.	German drama	832.53	
Weisnegg burners	chem.	542.44	
Welding	metal manuf.	671	
Welfare, public admin.		351.8	
	work	Great war 940.477	
Welhaven, J. S. C.	Dan. lit.	839.8465	
Well water	hygiene	613.32	
¹ Welland co. Ont.	history	971.338	
Wellesley college		376.8	
¹ Wellington co. Ont.	hist.	971.342	
Wells			
¹ co. Ind.	history	977.272	
	dredging thru	foundations 721.176	
	physical	geografy 551.49	
	sunken	foundations 721.176	
	water supply	agric. 631.71	
		engineer'g 628.11	
¹ Wellsburg, W. Va.	hist.	975.413	
Welsh			
	beef cattle	636.2236	
	Calvinistic	methodists 287.3	
	discovery of	America 973.14	
¹	history	942.9	
⁴	language	491.66	
⁶	literature	891.66	
	mountain	sheep 636.3267	
	onion	635.264	
	pony	636.1629	
	travels	914.29	

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- Welth
 and rank soc. ethics 177.5
 consumption final 339
 productiv 331
 political economy 330
 Welthy class social classes 323.31
 Wenceslaus Ger. history 943.027
 Wennerberg, G. Swed. sat. 839.7765
 Wens diseases 616.993
 Wensleydale sheep 636.3216
¹Wentworth co. Ont. hist. 971.352
 Wepons bronze age 571.35
 customs 399
 military engin'g 623.4
 science 355
 public safety 351.753
 stone age 571.25
 zootechny 636.081112
 Werewolvs folklore 398.4
 Wergeland, H. Dan. poet. 839.8165
 Werner, F. L. Z. Ger. drama 832.67
 Wernicke, C. satire 837.53
 Wesleyan methodists sects 287.1
 West
¹ Australia history 994.1
¹ Bay City, Mich. " 977.447
¹ Coast, Africa " 968.8
 country down sheep 636.3233
 German swine 636.433
¹ Indies " 972.9
¹ Meath, Ireland " 941.81
¹ New Jersey " 974.95
 travels 917.495
¹ Point, N. Y. history 974.731
 academy 355.07
¹ Prussia history 943.12
 travels 914.312
¹ Russia history 947.6
 travels 914.76
 Scotch highland cattle 636.2233
¹West, U. S. the history 978
 travel 917.8
 Virginia admission 973.71
¹ history 975.4
 travels 917.54
 For military history, see sub-
 divisions of Special campaigns
 and Military history under
 973.7 and 973.89
¹Westchester co. N. Y. hist. 974.727
 Western
 church Roman catholic 282
 hemisphere geog. 917
 phys. geog. 551.41
¹ islands, Azores hist. 946.99
- Western
¹ Maryland hist. 975.29
¹ States mountain 978
¹ Pacific 979
 territory, cession to U. S. 973.318
 Westinghouse engins 621.1645
 Westminster
 Assembly catechism 238.5
 confession creeds 238.5
¹Westmoreland co. Eng. hist. 942.88
¹ N. B. " 971.523
¹ Pa. " 974.881
¹Westphalia, Germany " 943.56
 peace of relig. hist. 270.7
 30 years war 940.24
 Westphalian fowls 636.538
 goat 636.393
 swine 636.434
 Wet method
 qualitativ chem. anal. 544.1
 quantitativ chem. anal. 545.2
 Wether meteorology 551.5
 warnings agriculture 632.112
 Wetterberg, K: A. Swed. fic. 839.7364
¹Wetzel co. W. Va. hist. 975.418
¹Wexford co. Ireland " 941.88
¹ Mich. " 977.467
 Whale fisheries 639.2
 zoology 599.5
 Whaleback
 system shipbilding 623.84
 Whalebone dom. econ. 646.17
 Wharf
 boats architecture 725.34
 houses " 725.34
 Wharvs engineering 627.3
 Wheat
 adulterations 614.312
 agriculture 633.11
 trade agricul. products 338.1
 Wheatstone
 bridges elec. engin'g 621.3742
 telegraf " " 621.38245
 Wheel
 and axle physics 531.82
 cycling amusements 796
 ethics 175.7
 Wheel hoe 631.3161
 vehicles agric. 631.3735
 Wheelbarrows farm trans. 631.3734
¹Wheeling, W. Va. history 975.415
 Wheelless vehicles agric. 631.3733
 Wheels
 cog mechan. engin'g 621.83

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Wheels		
elec. motor cars	621.3347	
locomotiv running gear	621.135	
railroad engineering	625.21	
water hydraulics	532.84	
mech. eng.	621.21	
wooden manufactures	674	
Whey butter cheesemaking	637.347	
Whig party U. S. hist.	973.56	
Whigs, Eng. pol. parties	329.942	
U. S. " "	329.4	
Whip grafting	631.54133	
Whipping post	343.2	
Whipple, E. P. Am.essays	814.35	
Whirlpools ocean currents	551.47	
Whirlwinds meteorology	551.51	
Whisky		
chemic technology	663.5	
insurrection Pa. hist.	974.8	
U.S. "	973.43	
ring " "	973.82	
tax finance	336.27	
traffic	178.4	
Whist games	795	
Whistles locom. fittings	621.1339	
steam engin'g	621.18472	
White, H: K. Eng. poetry	821.68	
White		
ants insects	595.73	
corpuscles physiology	612.112	
¹ co. Ill. history	977.396	
¹ Ind. " "	977.293	
durra	633.178	
friars Carmelites	271.73	
goose, Chinese	636.59885	
Emden	636.5983	
hair dermatology	616.54	
Holland turkey	636.5926	
homing pigeons	636.59635	
kafir	633.177	
led manufacture	667.6	
¹ Mts N. H. history	974.22	
Muscovy duck	636.59783	
Peking " "	636.59785	
Plains, battle Am.revol.	973.3324	
sapota	634.343	
slave trade, <i>see</i> Prostitution		
substance, cerebellar anat.	611.81715	
of spinal cord	611.824	
¹ Sulphur Springs, W. Va.	975.489	
swelling diseases	616.72	
swine, English, large	636.424	
medium	636.427	
small	636.422	
White		
turkey	636.5926	
walnut	634.518	
Yokohama fowls	636.5857	
Whitehead, P. Eng.satire	827.63	
¹ Whiteside co. Ill. history	977.335	
¹ Whitley co. Ind. " "	977.275	
Whitman, Walt Am.poetry	811.38	
Whittier, J: G. " "	811.36	
Whole milk	637.141	
Wholesale stores architect.	725.21	
Whooping cough pathol.	616.204	
pub. helth	614.543	
Wich hazel botany	583.394	
¹ Wicklow, Ireland hist.	941.84	
sheep	636.3243	
¹ Wicomico co. Md. " "	975.225	
Wieland, C. M. Ger. fict.	833.61	
¹ Wiesbaden history	943.58	
travels	914.358	
Wiesental goat	636.393	
Wife's duties ethics	173.3	
Wigglesworth, M. Am.poet.	811.13	
¹ Wight, Isle of history	942.28	
travels	914.228	
Wigs customs	391.5	
¹ Wigton, Scotland history	941.49	
Wigwams architecture	725.92	
Wild cherry	634.24	
fowl sport	799	
goose	636.59881	
turkey	636.59211	
white cattle	636.221	
Wilderness, Va. battle		
U. S. civil war	973.7366	
Wildings childstudy	136.764	
¹ Wilkes-Barré, Pa. history	974.833	
¹ Will co. Ill. " "	977.325	
Will		
effect on respiration	612.281	
metaphysics	159	
of God ethics	171.1	
physiologic psychology	612.82134	
theology	234.9	
Willans engins	621.1645	
William		
1 Conqueror, Eng. hist.	942.021	
2 Rufus " "	942.022	
3 and Mary " "	942.068	
4 " "	942.075	
1 new Ger. empire	943.083	
2 " " "	943.084	
of Holland Ger. hist.	943.025	
¹ Williams co. O. " "	977.111	

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

- William's, King, war
 U. S. history 973.25
 Williams shorthand 653.44
¹Williamson co. Ill. hist. 977.3993
 Willis
 circle of anatomy 611.1349
 ofthalmic nerv " 611.83152
 Willow fiber crops 633.588
 Wills genealogy 929.3
 law. 347.6
¹Wilmington, Del. history 975.12
 Wilmot proviso
 causes U. S. civil war 973.7113
 slavery 326.973
 U. S. history 973.61
 Wilson, W. presidency 973.913
 Wilson tariff act U.S.hist. 973.87
 Wilson's raid U.S.civ.war 973.7387
¹Wilts, England history 942.31
 Wiltshire sheep 636.3232
 Winches mech. engin'g 621.864
 Winchester, Va. battle
 U. S. civ. war 973.7377
 Wind
 agriculture 632.16
 and current charts 551.46
 currents aeronautics 629.143
 instruments music 788
 mills air engines 621.45
 drainage 631.65
 farm power 631.3714
 pressure bridgeblding 624.175
 protection of animals 636.08366
 Windage steam turbins 621.16515
¹Windham co. Ct. history 974.64
¹ " Vt. " 974.39
 Windlasses mech. engin'g 621.864
 Window
 dressing 659.1
 furnishings dom. econ. 645.3
 gardens 716.4
 tax pol. econ. 336.27
 Windows
 arch. construction 721.8
 design 729.38
 dormer arch. construc. 721.55
 library bildings 022.71
 staind glass arch. decor. 729.8
 Windrowers 631.3532
 Winds meteorology 551.51
¹Windsor city, Ont. hist. 971.332
¹ " co. Vt. " 974.36
 Windsor swine 636.4221
¹Windward ilands history 972.98
 Wine adulterations 614.342
 at table temper. 178.3
 domestic economy 641.13
 manufacture 663.2
 temperance 178
 Wineberry 634.715
 Wing frames lib. fittings 022.932
 Wingd shells zoology 594.4
 Wings
 aeronautics 629.181
 animal locomotion 591.47
 Winkle fishery 639.4
¹Winnebago co. Ill. hist. 977.331
¹ " Ia. " 977.722
¹ " Wis. " 977.564
 Winnibago fowls 636.5816
¹Winneshiek co. Ia. hist. 977.732
 Winnowers 631.3622
 Winnowing 631.5622
 Winter, W: Amer. poetry 811.44
 Winter cress 635.564
 courses agric. 630.7135
 muskmelon 635.611
 pruning 631.5421
 resorts hygiene 613.12
 savory 635.71
 sports 796
 squash 635.622
 Wintergreen 633.823
 Winther, C. Dan. fiction 839.8363
 Wire, bare elec. eng. 621.31932
 lath masonry 693.66
 manufacture 671
 rope transmission 621.854
 strength 620.11288
 worms pests 632.76
 Wireless
 communication engin'g 621.384
 telefony communication 654.6
 engineering 621.3845
 telegrafy communication 654.1
 engineering 621.3842
 Wires
 plant support 631.3451
 telegraf communicat'n 654.4
 engineering 621.31932
 Wirewound guns ordn. 623.42164
 Wiring
 central station engin'g 621.317
 electric transmission 621.319
 house elec. lighting 621.3282
 Wirsung's canal anat. 611.373
 Wirt, W: Amer. oratory 815.23
¹Wirt co. W. Va. history 975.426

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Wisconsin, U. S.			
admission U. S. hist.	973.61		
¹ history	977.5		
For military history, see subdivisions of Special campaigns and Military history under 973.7 and 973.89			
Wisdom Apocrypha	229.3		
divine doc. theol.	231.6		
Wiselius, S: I. Dut. dram.	839.3251		
¹ Wit English humor	827		
Witch hazel botany	583.394		
Witchcraft	133.4		
in New England	973.25		
Witches persecutions	272.8		
Withdrawal book lib. econ.	025.249		
Wither, G: Eng. satire	827.41		
Witnesses evidence	347.94		
Wives' duties family eth.	173.3		
Wolcott, J: Eng. satire	827.65		
¹ Wolfe co. Que. history	971.457		
Wolff Ger. philosophy	193.9		
Wolffian body anatomy	611.619		
Wolfram inorgan. chem.	546.78		
v. Eschenbach Ger. poet.	831.24		
Wolff, E. B. Dutch fiction	839.3341		
Woman			
customs	396		
education	376		
position and treatment	396		
suffrage	324.3		
polit. parties	329.83		
woman's position	396.3		
Woman's			
exchange sociology	396.56		
relief corps	369.161		
rights woman's position	396.2		
veteran relief union	369.162		
Womb anatomy	611.66		
Women			
as librarians	023.56		
library trustees	023.34		
teachers	371.18		
costume of	391.2		
diseases of	618		
duties of family ethics	173		
social "	177		
labor of polit. econ.	331.4		
lives of collections	920.7		
Women's			
Christian associations	267.432		
clothes	646.34		
domestic economy clubs	640.714		
hats	646.54		
religious societies	267.4		
rights	396.2		
Women's			
room lib. buildings	022.57		
work in church	259		
Wood			
alcohol chem. tech.	661		
and glass structures arch	721.99		
iron " "	721.95		
ashes agriculture	631.831		
beams bridge engin'g	624.222		
building material	691.1		
buildings, library	022.21		
bridges, archt engin'g	624.62		
carving	736		
city houses, detach	728.39		
party-walls	728.33		
semidetacht	728.36		
construction carpentry	694.1		
construction shipbuilding	623.84		
¹ co. O. history	977.116		
¹ W. Va. "	975.422		
¹ Wis. "	977.552		
engraving	761		
foundations architect.	721.132		
fuel dom. econ.	644.21		
implements manufac.	674		
prehis. arch.	571.51		
pavements road eng.	625.83		
piles foundations	721.142		
ships shipbuilding	623.84		
tests engineering	620.12		
village houses architect.	728.66		
partly "	728.65		
work, joints carpentry	694.2		
working manufactures	674		
mills architect.	725.44		
shop mfg plant	621.72		
¹ Woodbury co. Ia. history	977.741		
Woodbury types	773		
Wooden			
ceilings arch. construc.	721.71		
doors " "	721.81		
floors " "	721.61		
lath masonry	693.65		
piers and columns arch.	721.31		
carpentry	694.4		
roofs arch. construction	721.51		
walls " "	721.21		
¹ Woodford co. Ill. history	977.353		
Woodland farm economics	631.144		
Woodpeckers birds	598.7		
Woods			
economic botany	581.61		
forestry	634.9		
perfume	633.814		

Topics in black face type are subdivided. Superior figures refer to the tables at the end of this index

Wool
 domestic economy 646.13
 duties on 337.5
 dyeing chem. technol. 667.2
 linings, mineral masonry 693.67
 manufactures 677
 mineral eng. materials 620.195
 operativs hygiene 613.63
sheep English 636.32
 merinos 636.36
 zootechny 636.0884

Woolen clothing hygiene 613.481
 mills architecture 725.41

Worcester
 1 co. England history 942.47
 1 Md. " 975.221
 1 Mass. " 974.43

Word method elem. educ. 372.4

Words
 2 arrangement of Eng. phil. 425.3
 2 etymology **English** 422
 slang " 427.09
 2 use and abuse " 428.3
 2 vulgarisms " 428.3

Wordsworth, W: Eng. poet 821.71

Work
 at reduced wages 331.5
 cure therapeutics 615.85
 done wage bases 331.231
 duration pol. econ. 331.81
 feeding for zootechny 636.08453
 houses asylums 362.5
 maximum thermochem. 541.36
mechanics 531.4
 muscular, relations to heat 612.7455
 parish, societies for 256
 physiology of 612.7661
 ration for physiol. 612.3951
 special classes lib. econ. 021.28
 Sunday 263.5

Workers, butter dairy 637.2324

Working
 classes pol. econ. 331.8
 of butter 637.2334
 farm, systems 631.115
 soil 631.51
 stresses bridges 624.176

Workingmen's clubs arch. 725.93

Workmen
 accident compensation 331.25
 cottages for architect. 728.68
 insurance compulsory 331.25
 law 368

Workmen
 • libraries for lib. econ. 027.6
 pol. econ. 331.85
 tenements for architect. 728.1

Workshop receipts tech. 660

Workshops disinfection
 in contagious diseases 614.48

World, atlases of 912
 city internationalism 321.041
 state pol. sci. 321.04
 voyages round 910.4
 war 1914-19 940.3

World's fairs 606

Worlds, plurality of 523.13

Worm, Ole Dan. misc. 839.883

Worm gears mech. engine'g 621.8333

Wormian bones anat. 611.7141

Worms diseases 616.962
 paleontology 565.1
 zoology 595.1

wire pests 632.76

Worries in library servis 023.57

Worship
 family 249
 of animals idolatry 290
 public 264
 state control 351.857

Worsteds manufacture 677

1Worth co. Ia. history 977.723
 1 Mo. " 977.814

Woulfe bottles chem. 542.231

Wounded, hospitals for 362.1
 architec. 725.51

Wounds
 reparation of surgery 617.14
 zoology 591.179

Wrecking and life-saving 656

Wrens birds 598.8

Wrestling 796

1Wright co. Ia. history 977.7274
 1 Mo. " 977.8825

Wringers laundry mach. 648.3

Wrisberg's
 nerv anatomy 611.8339
 pars intermedia anat. 611.83175

Wrist " 611.975
 bones " 611.7177
 joint " 611.7274

Writing 652
 books 372.51
 elementary education 372.51
 for the press lit. meth. 029.6
 inks chemic technology 667.4
 machine 652

Y. M. C. A.	
Great war 1914-19	940.4773
history	267.39
institutes	267.348
librarian	267.342
local work by dep'ts	267.35
managers	267.333
membership	267.335
objects	267.31
officers, salaried	267.34
training	267.345
unsalaried	267.333
organization	267.33
periodicals	267.39
physical director	267.343
reports	267.39
training officers	267.345
work with special classes	267.36
Yokohama fowls	636.5857
¹ Yolo co. Cal. history	979.451
¹ Yonne, France	" 944.41
¹ York co. Me.	" 974.19
¹ N. B.	" 971.551
¹ Ont.	" 971.354
¹ Pa.	" 974.841
house of Eng. hist.	942.04
¹ Yorkshire, England	" 942.74
Yorkshire coach horse	636.1422
swine, large	636.4241
medium	636.4271
small	636.4222
Yorktown, Va.	
siege Amer. revol.	973.3375
U. S. civil war	973.7327
Yosemite, Cal. descrip.	917.9447
¹ history	979.447
Young, E: Eng. poetry	821.55
Young	
animals, propor'n zoot.	636.08236
care "	636.08337
feeding "	636.0841
childstudy	136.7
counsels to ethics	173.6
education of elem. educ.	372
men, advice to	
business ethics	174
Men's Christian ass'n	267.3
men's Christian unions	267.233
Hebrew ass'n Gt. war	940.4776
people's religious societies	267.6
societies sociology	369.4
soc. of Chr. endeavor	267.613
reading of	028.5

Young	
women, advice to	
social ethics	177
Women's Christian ass'n	267.5
¹ Youngstown, O. history	977.1391
Yriarte, T. de Span. poetry	861.45
Ytterbium inorg. chem.	546.652
Yttrium " "	546.61
¹ Yuba co. Cal. history	979.435
Yucatan, Mex. architect.	722.9
¹ history	972.6
travels	917.26
¹ Yukon, Can. history	971.21
Y. W. C. A. Great war	940.4774
religion	267.5

¹ Zacatecas, Mex. history	972.4	Zincography	767
Zambezi travels	916.79	Zincs steam engineering	621.18479
Zanella, G. Ital. poetry	851.82	Zinn's zone anat.	611.8442
¹ Zanesville, O. history	977.1911	Zirconium inorg. chem.	546.83
Zanotti, F. M. Ital. essays	854.58	Zit kwa	635.618
¹ Zanzibar, Africa history	967.8	Zither music	787.8
Zapupe fibers	633.5776	Zoantharia radiates	593.63
Zaraibi goat	636.39862	Zodiac astronomy	523.29
Zaupel sheep	636.3333	Zodiacal light "	523.59
¹ Zealand, province of hist.	949.2	Zones agriculture	631.091
Zealand sheep agric.	636.3314	Zoologic gardens	590.7
Zebra "	636.184	architec.	727.5
Zebroid "	636.185	Zoology	590
Zebrul "	636.185	agricultural	630.29
Zebur "	636.291	Zoophytes	593
Zechariah Bible	224.98	Zoosporeæ botany	589.67
Zend		Zootechny	636.08
⁵ Avest Persian litera.	891.52	Zorilla y Moral, José	861.53
religion	295	Zoroaster Parseeism	295
⁴ language	491.52	Zouaves military science	356.16
Zenith telescope astron.	522.43	Zoysicae forage crops	633.281
Zenithal projections geod.	526.84	Zschokke, J; H; D. Ger.fic.	833.71
Zeno, Apostolo Ital. dram.	852.55	¹ Zululand history	968.3
early Greek filosofers	182.3	Zumbini, B. Ital. essays	854.87
stoic filosofer	188.1	Zufis indians	970.3
Zephaniah Bible	224.96	Zunu sheep	636.386
Zesen, P. von Ger. poetry	831.56	¹ Zurich history	949.4
Zigzags mil. engin'g	623.24	travels	914.94
Zinc		Zwinglian Protestant sects	284.2
inorganic chemistry	546.47	Zygæna fishes	597.3
led accumulators eng.	621.35557	Zygomatoc bone	611.7163
metallurgy	669.5	muscle	611.7326
ores economic geology	553.45	Zygomycetes fungi	589.28
oxid of therapeutics	615.776	Zygophylleæ botany	583.221
roofs bilding	695.4	Zygosporææ algae	589.6
		lichens	589.27
		Zyphoid bone	611.713

Topics in black face type are subdivided Superior figures refer to the tables at the end of this index

INDEX TABLES

Table 1—Geographic Divisions

The following subjects may all be divided geographically by adding the geographic numbers: i. e. 4 Europe; 5 Asia; 6 Africa; 7 North America; 8 South America; 9 Oceanica. These can be farther subdivided as minutely as wisht, like the history, 910-999, which see for full table; e. g. 42, England; 73, United States; 944, New South Wales; 7471, New York City, etc.

The geographic numbers are formed by omitting initial 9 from the historical numbers given in tables 930-999, and these figures are simply affix to the number given in the table below; e. g. Atlases are numbered in the table below 912; in the historical tables France is numbered 944; omitting initial 9 and affixing the remaining figures, 44, to 912 gives 912.44, Atlases of France; New South Wales is 994.4; omit initial 9 and affix 944 to 912 and the result is 912.944, Atlases of New South Wales. In the table below, Mints are 332.49; in the historical tables England is 942; adding these together (omitting the 9) gives 332.4942, Mints in England. Colleges are 378; N. Y. state, 974.7; add these together (omitting the 9) and the result is 378.747, Colleges in N. Y. state.

A number of unimportant topics, e. g. minor religious sects, which may be divided geographically, are omitted from this table.

373.	Academies, private	923.3	Capitalists' lives
379.	" public	922.2	Cardinals' "
354.	Administration (except U. S.)	282.	Catholic church
923.5	" biography	922.2	" " biography
923.5	Admirals' lives	284.8	" Old, church
630.9	Agriculture, history of	361.9	Charitable associations
283.	American P.E. church	136.79	Childhood
922.3	" " " biography	283.	Church, Episcopal
911.	Ancient geography	922.3	" " biography
283.	Anglican church	27	" history
922.3	" " biography	027.3	Circulating libraries
591.9	Animals, geographic distribution	027.4	City libraries, public
328.	Annals, legislative	923.5	Civil service biography
913.	Antiquities, archeology	027.2	Club libraries
922.3	Archbishops' lives, Anglican	367.9	Clubs, social
922.2	" " Roman catholic	332.49	Coinage, history of
720.9	Architecture, history of	027.7	College libraries
923.5	Army biography	378.	Colleges
709.	Art, history of	325.	Colonies
362.9	Asylums	923.8	Commerce, biography of
027.2	Atheneum libraries	285.8	Congregational church
912.	Atlases	922.5	" " biography
013.9	Authors, foren	342.	Constitutional law
923.3	Bankers' lives	922.4	Continental Protestants' lives
286.1-4	Baptist sects	641.59	Cookery
	see Classification tables	655.6	Copyright
922.6	Baptist lives	940.34-9	Countries in Great war
013.9	Bibliography of foren authors	343.	Criminal law
016.9	" of history	923.4	Criminals' lives
015.	" special countries	614.12	Deaths and death-rates
022.33	Buildings, library	91	Description, geographic
920.0	Biography of countries, collectiv; also religious biography 922.2 to 922.8, and biography of sociology 923.1 to 923.8	91	Directories
922.3	Bishops' lives, Anglican and P. E.	591.9	Distribution of animals, geog.
922.2	" " Roman catholic	549.9	" " minerals "
655.4	Bookselling, history of	581.9	" " plants "
581.9	Botany, geographic	572.9	" " races "
284.2	Calvinist church	284.1	Dutch reformed church (except America)
922.4	" lives	285.7	Dutch reformed church (in Amer- ica)
		922.4	Dutch reformed church biography
		27	Ecclesiastical history

- 330.9 Economics, history
 378. Education, college
 372.9 " elementary
 370.9 " history of
 373. " intermediate (private)
 376.9 " of women
 373. " private academies
 379. " public school
 923.7 Educators' lives
 372.9 Elementary education
 325.2 Emigrants
 923.1 Emperors' lives
 027.4 Endowd libraries
 373. " schools
 628.09 Engineering, sanitary
 283. Episcopal church
 922.3 " " biography
 287.6 " Methodist, church
 922.7 " " " biog.
 572.9 Ethnology
 027.1 Family libraries
 376.9 Female education
 336. Finance
 923.3 Financiers' lives
 349. Foren law
 327. " relations
 354. " states, administration
 560.9 Fossils, geografic distribution
 027.9 Free news rooms
 027.4 " public libraries
 289.6 Friends or quakers
 922.8 " " " biography
 027.0 General libraries, hist. repts. etc.
 581.9 Geografic botany
 591.9 " dist. of animals
 560.9 " " " fossils
 549.9 " " " minerals
 572.9 " " " races
 91. Geography, description
 911. " historical
 912. " maps
 355.47 " military
 55. Geology
 724.3 Gothic revival, architecture
 724.4 " Victorian "
 354. Government admin. (except U. S.)
 027.5 " libraries
 352.0 " local
 923.2 Governors lives
 724.2 Grecian revival, architecture
 614.09 Helth, public
 911. Historical geografy
 016.9 History bibliography of
 362.9 Hospitals
 940.476 " Great war
 284.5 Huguenots
 922.4 Huguenots biografy
 613.09 Hygiene
 325. Immigration
 338.9 Industrial legislation
 607. Institutes of technology
 370.72 " teachers
 368.9 Insurance
 373. Intermediate education
 923.4 Judges' lives
 372.209 Kindergarten history
 923.1 Kings' lives
 331.819 Laboring classes
 333.09 Landholding
 323.1 Languages, internal relations
 923.4 Law biografy
 342. " constitutional
 343. " criminal
 349. " foren
 323.6 Laws, citizenship
 379.14 " school
 338.9 Legislation, industrial
 021.89 " library
 328. Legislativ bodies and annals
 923.2 Legislators' lives
 027.0 Libraries, general, histories, re-
 ports, etc.
 352.0 Local government
 284.1 Lutheran church
 922.4 " " " biografy
 371.429 Manual training
 912. Maps
 940.475 Medical dpt, Great war
 370.71 Meetings, teachers
 940.465 Memorials of Great war
 923.8 Merchants' lives
 287.6 Methodist episcopal
 922.7 " " " biografy
 553.70 Mineral waters
 549.9 Minerals, geografic distribution
 332.49 Mints, history
 780.9 Music, history of
 015. National bibliography
 920.0 " " " biografy
 323.1 Nationalities
 923.5 Naval biografy
 724.6 Néo-Grec architecture
 027.9 News rooms, free
 923.2 Nobles' lives
 560.9 Paleontology
 027.8 Parish libraries
 328. Parliamentary bodies
 329.9 Parties, political (except U. S.)
 923.6 Philanthropists' lives
 912. Plans of cities, etc.
 581.9 Plants, geografic distribution
 363.9 Political associations

- 923.3 Political economy, biography
 330.9 " " history
 329.9 " parties (except U. S.)
 923.2 " science, biography
 320.9 " " history of
 923.2 Politicians' lives
 312. Population, statistics of
 373. Preparatory schools
 285.1 Presbyterian church in America
 285.2 " " " Gt Britain
 922.5 " " " biography
 923.1 Presidents' lives
 655.1 Printing, history of
 365.9 Prisons
 027.1 Private libraries
 373. " schools
 027.2 Proprietary libraries
 283. Protestant episcopal church
 922.3 " " " biog.
 922.4 Protestants, continental, lives
 614.09 Public helth
 027.4 Public libraries
 379. " school system
 015. Publishers' lists
 655.4 Publishing, history of
 289.6 Quakers
 922.8 " lives
 724.5 Queen Anne architecture
 923.1 Queens' lives
 323.1 Races, internal relations
 572.9 " of men
 923.8 Railroad officials' lives
 027.4 Rate supported libraries
 027.9 Reading rooms, free
 364.9 Reformatory institutions
 284.1 Reformd church
 285.7 " (Dutch) church in Amer.
 922.4 " " " biography
 327. Relations, foren
 27 Religious history
 724.1 Renaissance architecture
 282. Roman catholic church
 922.2 " " " " biography
 724.8 Romanesque revival, architecture
 923.1 Rulers, chief, lives
 628.09 Sanitary engineering, history, etc.
 284.7 Scandinavian church
 922.4 " " " biography
 027.8 School libraries
 923.7 " officers' biography
 370.73 Schools, normal
 374.4 " correspondence
 373. " private
 379. " public, system
 508. Scientific travels
 366.9 Secret societies
 373. Seminaries, private
 923.5 Servis, civil, biography
 286.3 Seventh day baptist
 922.6 " " " " biography
 289.8 Shakers
 922.8 " biography
 653.09 Shorthand, history
 326.9 Slavery, "
 367.9 Social clubs
 335.9 Socialist communities
 267.2 Societies, religious, of men
 366.9 " ecret
 027.2 Society libraries
 923.5 Soldiers' lives
 379. State education
 027.5 " libraries
 923.2 Statesmen's lives
 31 Statistics
 312. " of population
 027.3 Subscription libraries
 324. Suffrage
 027.8 Sunday school libraries
 289.4 Swedenborgians
 922.8 " " " biography
 284.7 Swedish church
 922.4 " " " " biography
 724.7 Swiss architecture
 923.7 Teachers' lives
 607. Technical schools
 207. Theologic schools
 724.7 Timber architecture
 027.4 Town libraries, public
 91 Travel, description
 508. " scientific
 341.2 Treaties, texts and history
 724.4 Tudor architecture
 288. Unitarian church
 922.8 " " " " biography
 289.1 Universalist church
 922.8 " " " " " " biography
 378. Universities, history, reports, etc.
 027.7 University libraries
 724.4 Victorian Gothic architecture
 371.429 Vocational training
 324. Voting
 331.29 Wages
 922.4 Waldenses biography
 553.70 Waters, mineral
 940.4779 Welfare work, Gt war, by country
 940.4778 " " " " " " in "
 376.9 Woman's education
 267.432 Women's Christian associations
 267.39 Y. M. C. A.
 267.59 Y. W. C. A.
 591.9 Zoology, geografic

Table 2—Form Divisions

The form distinctions 01, Philosophy; 02, Compendis; 03, Dictionaries; 04, Essays; 05, Periodicals; 06, Societies; 07, Study and Teaching; 08, Polygraphy, Collectiv works; 09, History, can be used wherever needed if these numbers are not already employed with other significations. They have been printed in the full tables only where they seemd specially needed.

The following is an alfabetic list of these divisions, and the figures prefix should be *added* to the number of the subject to be subdivided; e. g. Disputations on Chemistry in general 540.4; Dictionaries of Mining 622.03.

06	Academies	02	Manuals
06	Acts of societies	08	Maxims
04	Addresses	01	Methods
06	Associations	08	Miscellanies
02	Charts	07	Museums
08	Collected works	02	Outlines
08	Collections	04	Papers
02	Compendis	05	Periodicals
03	Concordances	01	Philosofy
03	Cyclopedias	08	Polygrafy
03	Dictionaries	06	Reports of societies
02	Digests	05	Reviews
04	Discourses	07	Schools
04	Disputations	07	Seminaries
07	Education	06	Societies
03	Encyclopedias	07	Study
04	Essays	02	Systems
06	Exhibitions	07	Teaching
08	Extracts	01	Theories
09	History	04	Tracts
04	Lectures	07	Training schools
04	Letters	06	Transactions
03	Lexicons	08	Treatises
08	Libraries, collections, series	01	Utility
05	Magazines		

Table 3—Languages

The table below includes all languages mentioend in the classification, except those in 494—499, not yet subdivided.

Any language in this table may be subdivided like 420, English.

Any philologic topic in the index may be transferd to another language by replacing the initial figures of the language, as found in this table, by those of the second language also found here; e. g., *Syntax*, English language, in the index is 425.2. In this table, English is 42 and French is 44; replacing the 42 by 44 gives 445.2 French syntax. Hebrew is 492.4, and Hebrew syntax is 492.452.

A third way to subdivide the language is to prefix the language figures as given in this table to the philologic numbers given in Table 4.

All three methods give the same result.

491.58	Afghani	491.69	Basque
492.8	Amharic	491.44	Bengali
429.	Anglo Saxon	491.86	Bohemian
492.7	Arabic	491.68	Breton, Bas
492.1	Aramaic	491.81	Bulgarian
491.54	Armenian	492.6	Ca thaginian
491.68	Armorican	449.9	Catalan
492.19	Assyrian	492.2	Chaldee
491.52	Avestan, Zend	491.81	Church Slavonic
492.19	Babylonian	493.2	Coptic
491.52	Bactrian, Old	491.67	Cornish
491.68	Bas Breton	491.83	Croatian

- 492.19 Cuneiform
 491.65 Cymric group
 491.66 " or Welsh
 439.8 Danish
 439.4 Deutsch, Platt
 439.3 Dutch
 493.1 Egyptian, Old
 42 English
 427.01 " Old
 491.61 Erse, Gadhelic group
 491.63 " Gaelic
 492.8 Ethiopic
 477.5 Etruscan
 493.6 Faroese
 439.3 Flemish
 44 French
 447.01 " Old
 439.2 Frisian
 491.61 Gadhelic group
 491.63 Gaelic or Scotch
 43 German
 437.02 " Middle High
 437.01 " Old High
 439.9 Gothic
 48 Greek
 489. " Modern
 491.47 Gujerati
 492.4 Hebrew
 492.9 Himyaritic
 491.43 Hindi
 491.1 Hindu languages
 491.43 Hindustani
 491.53 Huzwaresh
 439.6 Icelandic
 491.1 Indic group
 491.62 Irish
 45 Italian
 492.4 Jewish
 491.83 Kroatian
 491.57 Kurdish
 47 Latin
 479. " Medieval
 491.93 Lettish
 491.92 Lithuanian
 491.93 Livonian
 439.3 Low Dutch
 479. " Latin
 491.64 Manx
 491.46 Marathi
 479. Medieval Latin
 437.02 Middle High German
 489. Modern Greek
 491.55 " Persian
 491.87 Moravian
 492.19 Nineveh cuneiform
 439.6 Norse, Old
 439.8 Norwegian
 491.52 Old Bactrian
 493.1 " Egyptian
 427.01 " English
 447.01 " French
 437.01 " High German
 439.6 " Norse
 491.51 " Persian
 491.91 " Prussian
 439.2 " Saxon
 491.45 Orissa
 491.56 Ossetic
 491.3 Pali
 491.42 Panjabi
 491.53 Pehlevi
 491.55 Persian, Modern
 491.51 " Old
 492.3 Peshito
 492.6 Phenician
 439.4 Platt Deutsch
 491.89 Polabian
 491.85 Polish
 469. Portugese
 491.2 Prakrit
 449. Provençal
 491.91 Prussian, Old
 491.58 Pushtu
 459.9 Rhaeto-Romansch
 489. Romaic
 459. Rumanian
 459.9 Rumansh
 491.7 Russian
 491.79 Ruthenian
 492.5 Samaritan
 491.2 Sanskrit
 429. Saxon, Anglo-
 439.2 " Old
 439.5 Scandinavian languages
 491.63 Scotch or Gaelic
 491.82 Serbian
 491.41 Sind.
 491.48 Singhalese
 491.81 Slavonic, Church
 491.87 Slovakian
 491.84 Slovenian
 491.88 Sorbian
 46 Spanish
 439.7 Swedish
 492.3 Syriac
 491.45 Uriya
 459. Wallachian
 491.66 Welsh
 491.52 Zend

Table 4.—Philological Divisions.

All the languages in Table 3 can be divided like 420, English, by adding the figures below: e. g.:

English orthography	421
Provençal	449.1
Arabic	492.71
Gaelic	491.631
Syntax of English verbs	425.8
“ Modern Greek verbs	489.58
“ Danish	439.858
“ Armenian	491.5458
Inflection of English nouns	425.15
“ Anglo-Saxon nouns	429.515
“ Hebrew	492.4515
“ Welsh	491.66515

18	Abbreviations.	2	Derivation of words.
12	Ablaut.	7	Dialects.
16	Accent, pronunciation.	3	Dictionaries.
61	“ prosody.	25	Diminutives, derivation.
51	Accidence.	12	Diphthongs.
25	Accusative, etymology.	17	Diplomatics.
55	“ syntax.	701	Early forms of language.
26	Adjectival forms, derivation.	86	Elementary readers.
516	Adjectives, inflection.	53	Ellipsis.
56	“ syntax.	52	Enallage.
29	Adverbs, derivation.	83	Errors of speech.
59	“ syntax.	2	Etymology, derivation.
22	Affixes, derivation.	51	“ inflection.
11	Alphabet.	89	Examination papers.
21	Analogy.	63	Feet, prosody.
53	Analysis, grammar.	64	Figures of prosody.
67	Antistrophe, prosody.	82	First lessons.
28	Aorist, etymology.	63	Foot, prosody.
58	“ syntax.	24	Foreign elements.
7	Archaisms.	25	Gender, etymology.
709	Argot.	25	Genitive case, etymology.
53	Arrangement of words and clauses.	55	“ “ syntax.
56	Articles, syntax.	7	Glossaries, dialects.
12	Aspirates.	3	“ language.
28	Augment, etymology.	83	Grammatical errors.
83	Barbarisms.	65	Hexameters.
83	Blunders.	64	Hiatus.
25	Case endings, derivation.	54	Hypothetical sentences.
55	Cases, syntax.	31	Idioms.
87	Chrestomathies.	88	Individual authors, texts.
53	Clauses, arrangement of.	28	Infinitive mood, etymology.
516	Comparison, inflection.	58	“ “ syntax.
26	Comparison, signs of, derivation.	51	Inflection.
54	Conditional sentences.	516	“ of adjectives.
518	Conjugation.	515	“ “ nouns.
29	Conjunctions, etymology.	517	“ “ pronouns.
59	“ syntax.	518	“ “ verbs.
28	Conjunctive mood, etymology.	17	Inscriptions.
58	“ “ syntax.	29	Interjections, etymology.
13	Consonants.	59	“ syntax.
12	Crisis.	29	Interrogatives, etymology.
25	Dative case, etymology.	59	“ syntax.
55	“ “ syntax.	21	Laws of language.
515	Declension of nouns.	1	Letters, alphabet.

3	Lexicography.	86	Readers, elementary.
3	Lexicons.	87	" selections.
17	Manuscripts.	23	Reduplication, derivation
65	Meters, prosody.	27	Relative pronouns, "
28	Moods, signs of, derivation.	57	" " syntax.
58	" syntax.	66	Rhymes, prosody.
52	Morphology.	66	Rhyming dictionary.
25	Noun forms, derivation.	8	School books and texts.
515	Nouns, inflection.	87	Selections, readers.
55	" syntax.	54	Sentences of particular form
25	Number, signs of, derivation.	709	Slang.
701	Old forms of language.	81	Spelling books.
21	Origin of language.	14	" reform.
15	Orthoëpy.	67	Strophe, prosody.
1	Orthography.	22	Suffixes, derivation.
17	Palæography.	4	Synonyms.
52	Parsing.	52	Syntax.
29	Particles, derivation.	28	Tense signs, derivation.
59	" syntax.	58	" syntax.
27	Personal pronouns, derivation.	8	Text books.
14	Phonetic spelling.	68	" " for writing <i>versæ</i>
82	Phrase book.	88	Texts of individual authors
27	Possessive pronouns, derivation.	12	Umlaut.
57	" " syntax.	83	Use of words.
22	Prefixes, derivation.	28	Verbal forms, derivation.
29	Prepositions "	518	Verbs, inflection.
59	" syntax.	58	" syntax.
27	Pronominal forms, derivation.	68	Verse, text books for writing
517	Pronouns, inflection.	62	Versification.
57	" syntax.	28	Voice signs, derivation.
15	Pronunciation.	12	Vowels.
82	Prose composition.	83	Vulgarisms.
6	Prosody.	53	Words, arrangement of.
7	Provincialisms.	2	" etymology.
19	Punctuation.	83	" use of
61	Quantity, prosody.		

Table 5. — Literatures.

The form divisions of English literature: 1, Poetry; 2, Drama; 3, Fiction; 4, Essays; 5, Oratory; 6, Letters; 7, Satire and Humor; 8, Miscellany; may be used to sub-divide any of the languages in the following tables; and any division of English literature in the index referring to this table may be used in sub-dividing another literature, by replacing the initial figures 8a (denoting English) by the figures of the sd language as given in this table.

Thus Ballads, English literature in the index are 821.04 and in this table Spanish is 86, therefore 861.04 is Spanish ballads; 891.7 is Russian and 891.7104 is Russian ballads.

While this minute division is possible, it is not expedient in all cases: e. g. Icelandic literature will contain little except in one or two of these divisions and a special arrangement similar to 899 Anglo-Saxon is much more convenient.

891.58	Afghani.	891.43	Hindi.
892.8	Amharic.	891.1	Hindu languages.
892.7	Arabic.	891.43	Hindustani.
892.1	Aramaic.	891.53	Huzwaresh.
891.54	Armenian.	839.6	Icelandic.
891.68	Armorican.	891.1	Indic Group.
892.19	Assyrian.	891.62	Irish.
891.52	Avestan, Zend.	85	Italian.
892.19	Babylonian.	892.4	Jewish.
891.52	Bactrian, Old.	891.83	Kroatian.
891.68	Bas Breton.	891.57	Kurdish.
891.69	Basque.	879	Latin, Medieval.
891.44	Bengali.	891.93	Lettish.
891.86	Bohemian.	891.92	Lithuanian.
891.68	Breton, Bas.	891.93	Livonian.
891.81	Bulgarian.	839.3	Low Dutch.
892.6	Carthaginian.	879	“ Latin.
849.9	Catalan.	891.64	Manx.
892.2	Chaldee.	891.46	Marathi.
891.81	Church Slavonic.	879	Medieval Latin.
892.2	Coptic.	889	Modern Greek.
891.67	Cornish.	891.55	“ Persian.
891.83	Croatian.	891.87	Moravian.
892.19	Cuneiform.	892.19	Nineveh Cuneiform.
891.65	Cymric Group.	839.6	Norse, Old.
891.66	“ or Welsh.	839.8	Norwegian.
839.8	Danish.	891.52	Old Bactrian.
839.4	Deutsch, Platt.	893.1	“ Egyptian.
839.3	Dutch.	839.6	“ Norse.
893.1	Egyptian, Old.	891.51	“ Persian.
82	English.	891.91	“ Prussian.
891.61	Erse, Gadhelic group.	839.2	“ Saxon.
891.63	“ Gaelic.	891.45	Orissa.
892.8	Ethiopic.	891.56	Osetic.
839.6	Faroese.	891.3	Pali.
839.3	Flemish.	891.42	Panjabi.
84	French.	891.53	Pehlevi.
839.2	Frisian.	891.55	Persian, Modern.
891.61	Gadhelic Group.	891.51	“ Old.
891.63	Gaelic or Scotch.	892.3	Peshito.
83	German.	892.6	Phenician.
839.9	Gothic.	839.4	Platt Deutsch
889	Greek, Modern.	891.89	Polabian.
891.47	Gujerati.	891.85	Polish.
892.4	Hebrew.	869	Portuguese.
892.9	Himyaritic.	891.2	Prakrit.

849.	Provençal.	891.82	Servian.
891.91	Prussian, Old.	891.41	Sindhi.
891.58	Pushtu.	891.48	Singhalese.
859.9	Rhaeto-Romansch.	891.81	Slavonic, Church.
889.	Romaic.	891.87	Slovakian.
859.	Roumanian.	891.84	Slovenian.
859.9	Rumansh.	891.88	Sorbian.
891.7	Russian.	86	Spanish.
891.79	Ruthenian.	839.7	Swedish.
892.5	Samaritan.	892.3	Syriac.
891.2	Sanskrit.	891.45	Uriya.
839.2	Saxon, Old.	859.	Wallachian.
839.5	Scandinavian languages.	891.66	Welsh.
891.63	Scotch or Gaelic.	891.52	Zend.

Biscoe time and Olin biography book numbers

Biscoe time numbers This scheme provides for arranging books by years from 1000 B C-2000 A D. Each number consists of a single initial letter followed by figures, and these again, if necessary, by letters. Any year of the 19th century, in which the greater proportion of our books belong, is designated by a letter and single figure. For the 3 preceding centuries a letter and 2 figures are needed, only incunabula and ancient writings requiring a letter and 3 figures. Few characters are wasted for the period when few books were written, as A, B, and C cover the years to 1499 A D.

To D, E, F, which stand for centuries, 2 figures must be added, the number for a book published in 1652 being E52; in 1507, D07.

B, covering the first 10 centuries and C, covering 5 centuries, must be followed by 3 figures; thus a book issued in 1472 would be numbered C472.

Table of Biscoe numbers

A	B. C.	J	1830-1839	S	1920-1929
B	A. D. 1-999	K	1840-1849	T	1930-1939
C	1000-1499	L	1850-1859	U	1940-1949
D	1500-1599	M	1860-1869	V	1950-1959
E	1600-1699	N	1870-1879	W	1960-1969
F	1700-1799	O	1880-1889	X	1970-1979
G	1800-1809	P	1890-1899	Y	1980-1989
H	1810-1819	Q	1900-1909	Z	1990-1999
I	1820-1829	R	1910-1919		

American books take their numbers from the last copyright date; English and other foreign books, from date of publication: e. g. Dana's *Text book of geology*, Phil. 1864, copyright '63 has as its booknumber M₃; edition 2 of the same book published and copyrighted in 1874 is N₄. Weller's *Portable atlas of physical geography*, London 1873, is N₃.

A series or set takes its number from the first volume, even tho that may be lacking in the library set; e. g. *Popular science monthly*, v. 10-20, is M₂, the date of v. 1 not of v. 10. When more than one volume in the same class calls for the same number, these numbers are differentiated by adding lower case letters; e. g. Bradbury & Emery's *Academic algebra*, Sensenig's *Numbers universalized*, and Wells's *Short course in higher algebra* all published in 1889 call for O₉. Supposing them to come into the library in the above order, Bradbury would be O₉; Wells O_{9a}; Sensenig, O_{9b}. In a closely classed library additions to final subdivisions are seldom more than one a year. In the exceptional cases, use of a letter allows for 26 additions; the numbers are therefore neither long nor complicated.

If in doubt, an approximate date may be used and corrected later when full information is acquired. Hunting down obscure dates consumes a

great deal of time and in the average library is not worth what it costs. L alone would mean a book published somewhere in the '50s of the present century, and F9 one of the last decade of the 18th (F09 being the mark for 1709). This occasional uncertainty is analogous to the case of anonymous and pseudonymous books in an author arrangement.

Dates B. C. may be treated in any one of the 3 ways suggested below. If numbers are given from date of writing or first publication there will be a few A books; but if from date of printing or copyright, none at all. Of the 3 ways below of treating dates B. C. the first is best:

1 Subtract the decade B. C. from 99 and use the resulting number, thus securing correct order with a shorter number than in 2. This approximate date is close enough, since exact year of writing is difficult to determine and the number of books in any subject in a single decade small.

Alternatives are:

2 Subtract the date B. C. from 1000 and use the resulting number, which will secure proper sequence.

3 Use actual B. C. date, since among so few books no great confusion would result from thus inverting the regular order.

Resulting numbers would then be:

Year B. C.	Complementary decade (1)	Complementary year (2)	Actual date (3)
999	Correct order A00	A001	Inverted order A999
563	A43	A437	A563
73	A92	A927	A73
45	A95	A955	A45

Olin book numbers The best means of separating collective from individual biography is Olin book numbers. They are used exactly like Cutter author numbers; but as they translate all surnames of compilers into A followed immediately by figures, they precede the first Cutter number, Aa1 and thus automatically shelve biographic compilations before the cutterd individual lives; e. g. Strickland's *Queens of England* would be A84 (Olin number) and stand before a life of Queen Anne, An7 (Cutter number) whether class 920 or 923.1.

See next page for table.

Table of Olin numbers

From *Library journal* 18:144

Name	Number	Name	Number	Name	Number	Name	Number
A	A11	Forr	A34	Lod	A56	Sch	A78
Ba	A12	Ga	A35	Ma	A57	Scr	A79
Bel	A13	Ges	A36	McT	A58	Sea	A81
Boy	A14	Goe	A37	Mat	A59	Sia	A82
Ca	A15	Grat	A38	Merr	A61	Sma	A83
Caro	A16	Ha	A39	Mo	A62	Squa	A84
Cel	A17	Hat	A41	Mos	A63	Sva	A85
Chim	A18	Hesi	A42	Na	A64	Ta	A86
Clar	A19	Hiu	A43	Nee	A65	Thau	A87
Coh	A21	Hov	A44	O	A66	To	A88
Coom	A22	I	A45	Pa	A67	Trum	A89
Cs	A23	Ja	A46	Per	A68	U	A91
Da	A24	Ji	A47	Ple	A69	V	A92
Day	A25	Ka	A48	Q	A71	Wa	A93
Dick	A26	Keno	A49	Ra	A72	Wats	A94
Doy	A27	Klu	A51	Rem	A73	Wha	A95
Ea	A28	La	A52	Rim	A74	Wit	A96
En	A29	Lann	A53	Rol	A75	X	A97
Fa	A31	Le	A54	Ru	A76	Y	A98
Fel	A32	Lind	A55	Sa	A77	Z	A99
Fit	A33						

If Cutter-Sanborn tables (in which vowels like consonants are followed by figures) are used, mark collected biography with A followed by a shortend Cutter-Sanborn number for author or compiler, writing the initial letter of the Cutter-Sanborn number with a lower case letter; e. g. Strickland's *Lives of the queens of England*, the Cutter-Sanborn number for Strickland being S917, would be markt As9 or Johnston's *Leading American soldiers*, the number for Johnston being J73, would be Aj7

Special author tables

Following tables from *Library notes* 2:16 and 3:440 illustrate special book-number tables for authors to whom individual clas numbers have been assigned, so Cutter numbers would be useless duplication. By this method all material regarding author and his work is provided for under his special number, but *complete* table is *preferably* used only for authors on whom library is making a special collection (e. g. Shakspeare, Dante and Goethe), in other cases material coming under A-C being classed in regular bibliography and biography numbers.

A-N are common to all authors; O-Z are assigned individually.

General Scheme

A	Bibliography. Authorship controversies
B	Biography
C	Biographic collateral
D	Higher criticism
E	Minor criticism (textual)
F	Sources, allusions, learning
G	Miscellany; concordances; societies etc.
H	Quotations, tales and plays from, adaptations, condensations etc.
I	Complete works without notes
J	“ with “
K	“ in translations

For living authors put works complete to date with I, J and K

L	Partial collections without notes
M	“ with “
N	“ in translations
O-Z	Individual works

822.33 Shakspeare

A-N assigned as above

O	Comedies	R ₃	Winter's tale
O ₁	All's well that ends well	S	Tragedies
O ₃	As you like it	S ₁	Antony and Cleopatra
O ₅	Comedy of errors	S ₃	Coriolanus
O ₇	Love's labor lost	S ₅	Cymbeline
P ₁	Measure for measure	S ₇	Hamlet
P ₃	Merchant of Venice	T ₁	Julius Caesar
P ₅	Merry wives of Windsor	T ₃	King Lear
P ₇	Midsummer night's dream	T ₅	Macbeth
Q ₁	Much ado about nothing	T ₇	Othello
Q ₃	Taming of the shrew	U ₁	Pericles
Q ₅	Tempest	U ₃	Romeo and Juliet
Q ₇	Twelfth night	U ₅	Timon of Athens
R ₁	Two gentlemen of Verona	U ₇	Titus Andronicus

822.33 Shakspeare (concluded)

V ₁ Troilus and Cressida	X ₃ Richard 2
W Histories	X ₅ Richard 3
W ₁ Henry 4	Y ₁ Poems
W ₃ Henry 5	Y ₃ Venus and Adonis
W ₅ Henry 6	Y ₅ Lucrece
W ₇ Henry 8	Y ₇ Sonnets
X ₁ King John	Z Spurious works

In table above only odd numbers have been assigned. These may very satisfactorily be used for text of plays, and the following even numbers for corresponding criticisms, e.g. S₇ text of Hamlet, S₈ criticism of Hamlet, criticisms of an individual work being shelved with the work, not in D or E.

821.31 Spenser

O Fairy queen	V Mutabilitie
P " book 1	W Shepherd's calendar
Q " " 2	X Minor poems: Complaints
R " " 3	Y " Other
S " " 4	Z Prose
T " " 5	Z ₅ Letters
U " " 6	

821.47 Milton

Dates following titles or those of first publication

O Paradise lost 1667	V ₁ Arcades 1633
P Translations	V ₅ Comus 1634
Q Criticisms	W ₁ Lycidas 1637
R Paradise regained 1671	W ₅ Samson Agonistes 1671
S Translations	X ₁ Odes
T Criticisms	X ₂ Sonnets
U ₁ L'allegro 1632	Y Miscellaneous
U ₅ Il penseroso 1632	

Tables for following authors are also to be found in *Library notes*, Oct 1893, 3:438-50:

H:W. Longfellow	Alfred Tennyson
J:G. Whittier	Robert Browning
W:G. Simms	Walter Scott
Geoffrey Chaucer	Alexandre Dumas, the elder

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