

Technology (General)

Periodicals and societies. By language of publication

- 1 English
- 2 French
- 3 German
- 4 Other languages (not A-Z)
- (5) Yearbooks
 - see T1+
- 6 Congresses
 - Industrial museums, etc. see T179+
 - International exhibitions see T391+
- 7 Collected works (nonserial)
- 8 Symbols and abbreviations
- Dictionaries and encyclopedias
- 9 General works
- 10 Bilingual and polyglot
- Communication of technical information
- 10.5 General works
- Information centers
- 10.6 General works
 - Special countries
 - United States
 - General works
 - By region or state, A-Z
 - Other countries, A-Z
- 10.63.A1 General works
- 10.63.A2-Z By region or state, A-Z
- 10.65.A-Z Other countries, A-Z
- 10.68 Risk communication
- 10.7 Technical literature
- 10.8 Abstracting and indexing
 - Language. Technical writing
 - Cf. QA42 Mathematical language. Mathematical authorship
- 11 General works
- 11.3 Technical correspondence
- 11.4 Technical editing
- 11.5 Translating
- 11.8 Technical illustration
 - Cf. Q222 Scientific illustration
 - Cf. T351+ Mechanical drawing
- 11.9 Technical archives
- Industrial directories
- 11.95 General works
 - By region or country
 - United States
 - General works
 - By region or state, A-Z
 - Subarrange each country by Table T4a
- 12 General works
- 12.3.A-Z By region or state, A-Z
 - Subarrange each country by Table T4a

- Industrial directories
 By region or country -- Continued
- 12.5.A-Z Other regions or countries, A-Z
 Subarrange each country by Table T4a
- 13 General catalogs. Miscellaneous supplies
- 14 Philosophy. Theory. Classification. Methodology
 Cf. CB478 Technology and civilization
- 14.5 Social aspects
 Class here works that discuss the impact of technology on
 modern society
 For works on the role of technology in the history and
 development of civilization see CB478
- History
 Including the history of inventions
- 14.7 Periodicals, societies, serials, etc.
- 15 General works
- 16 Ancient
- 17 Medieval
- 18 Modern
- 19 19th-20th centuries
- 20 20th century
 Including "technological wonders of the modern world"
- Special regions or countries
- America. United States
- 21 General works
 Special divisions (United States)
- 21.5.A-Z By region, A-Z
 e.g.
- 21.5.N4 New England
- 22.A-.W States, A-W
- 22.5.A-Z Cities, A-Z
- Canada
- 23.A1 General works
- 23.A3-Z By region or province, A-Z
Under each province:
 .x *General works*
 .x3A-.x3Z *Special cities, A-Z*
- 24 Latin America. West Indies (Table T4)
- 25 South America (Table T4)
- 26 Europe (Table T4)
- 27 Asia (Table T4)
- 27.3 Arab countries (Table T4)
- 28 Africa (Table T4)
- Australia
- 29.A1 General works

- History
- Special regions or countries
 - Australia -- Continued
 - 29.A3-Z By region or state, A-Z
 - Under each state:*
 - .x *General works*
 - .x3A-.x3Z *Special cities, A-Z*
 - 29.5 New Zealand
 - 30 Pacific Islands (Table T4)
 - 31 Arctic regions
 - (32) Primitive peoples
 - see GN429+
 - 33 Lost arts
 - 35 Historical atlases of progress, invention, etc.
 - 36 Women in technology
 - 37 Industrial archaeology
 - For local areas see T21+
 - Biography
 - Including inventors
 - 39 Collective
 - 40.A-Z Individual, A-Z
 - Class preferably with special subject in classes TA-TT
 - General works
 - 44 Before 19th century
 - 45 19th century and later
 - 47 Elementary and popular works. Home educators
 - 48 Juvenile works
 - 49 Pocketbooks. Receipts. Formulas
 - Early to 1800 see T44
 - 49.5 General special
 - Including international cooperation
 - Addresses, essays, lectures see T185
 - 50 Technical measurement
 - Cf. TA329+ Engineering mathematics
 - Cf. TS172 Tolerances
 - 50.5 Metric system in industry
 - Class metric system in special industries with the industry
 - Cf. QC90.8+ Metric system (General)
 - 51 Tables
 - Cf. TA151 Engineering (General)
 - Cf. TA635 Structural engineering (General)
 - Cf. TH151 Building (General)
 - Cf. TH434+ Estimates, quantities and cost (Building)
 - (54) Dangerous occupations. Industrial accidents
 - see HD7262+

- Industrial safety. Industrial accident prevention
 Cf. TA169.7 System safety
 Cf. TS175 Safety of consumer products
- 55.A1 Periodicals, societies, congresses, etc.
 55.A2-Z General works
 55.2 Study and teaching
 55.25 Research
 55.3.A-Z Special topics, A-Z
 Including special measures and appliances
- 55.3.A87 Authorship of safety manuals
 55.3.A93 Awards programs
 55.3.B43 Behavior modification
 55.3.B56 Biorhythms and industrial accidents
 55.3.C6 Color as a safety measure
 55.3.E96 Explosion prevention and protection
 55.3.G3 Gas masks. Respirators
 55.3.H3 Hazardous substances
 Cf. HE5623+ Transportation by country
 Cf. TD1020+ Waste disposal
- 55.3.H45 Heights. High altitudes
 55.3.L5 Lifting and carrying
 55.3.M35 Manipulators
 55.3.M37 Marking
 55.3.P67 Posters
 55.3.P75 Protective clothing
 Radiation environment procedures and equipment see
 TK9151.4+
- 55.3.S23 Safety helmets
 55.3.S72 Statistical methods
 Working at heights see T55.3.H45
- Industrial engineering
 Including management engineering and management science
 Class here works on the solving of management problems
 concerned with design, improvement, and installation of
 complex industrial systems of men, materials, and equipment;
 employing the methods of operations research and
 engineering analysis and design, with stress on optimum use
 of resources. For applications in special fields, see the field
 For works on the organization and operation of industrial
 institutions and business enterprises see HD28+
 For wage and salary administration see HD4909+
 For labor relations see HD6958.5+
 For industrial psychology see HF5548.7+
 For personnel management see HF5549+
 For industrial safety see T55+
 For engineering economy see TA177.4+
 For production management see TS155+

- Industrial engineering -- Continued
- 55.4 Periodicals. Societies. Collections
- 55.45 Congresses
- 55.5 Dictionaries and encyclopedias
- 55.52 Symbols and abbreviations
- 55.54 Directories
- 55.6 History
- Special countries
- United States
- 55.7 General works
- 55.72.A-.W States, A-W
- 55.74.A-Z Other American countries, A-Z
- 55.75.A-Z Europe. By country, A-Z
- 55.76.A-Z Africa. By country, A-Z
- 55.77.A-Z Asia. By country, A-Z
- 55.775 Australia
- 55.778 New Zealand
- Biography
- 55.8 Collective
- 55.85.A-Z Individual, A-Z
- General works
- 55.9 Early to 1930
- 56 Treatises
- 56.23 Pocketbooks, tables, etc.
- 56.24 General special
- 56.25 Addresses, essays, lectures
- 56.3 Industrial engineering as a profession. Industrial engineers.
- Management consultants
- Study and teaching
- 56.4 General works
- 56.42 Research
- 56.8 Project management
- Applied mathematics. Quantitative methods
- 57 General works
- 57.2 Problems, exercises, etc.
- Probability theory
- 57.3 General works
- Stochastic processes
- Cf. TS160+ Inventory control
- 57.32 General works
- 57.33 Renewal theory
- Statistical methods
- Cf. HA154+ Statistical data
- Cf. TS156+ Quality control
- Cf. TS173 Reliability
- Cf. TS178.5 Line balancing
- 57.35 General works

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|-----------|---|
| | Industrial engineering |
| | Applied mathematics. Quantitative methods |
| | Statistical methods -- Continued |
| 57.36 | Sampling theory |
| 57.37 | Experimental design |
| 57.4 | Schematic and graphic analysis |
| 57.5 | Data processing |
| | Cf. HF5548.125+ Business data processing |
| | Operations research. Systems analysis |
| | Cf. QA402+ Analytical methods connected with physical problems |
| 57.6.A1 | Periodicals, societies, etc. |
| 57.6.A2-Z | General works |
| | Simulation |
| | Cf. QA76.9.C65 Computer science |
| | Cf. TA343 Engineering mathematics |
| 57.62 | General works |
| 57.64 | Monte Carlo method |
| | Programming |
| 57.7 | General works |
| | Linear programming |
| 57.74 | General works |
| | Simplex model |
| 57.76 | General works |
| 57.77 | Allocation method |
| 57.78 | Transportation method |
| 57.79 | Stochastic programming |
| | Nonlinear programming |
| 57.8 | General works |
| 57.815 | Convex programming |
| 57.817 | Nonconvex programming |
| 57.82 | Quadratic programming |
| 57.825 | Geometric programming |
| 57.83 | Dynamic programming |
| 57.84 | Heuristic programming |
| 57.85 | Network systems theory |
| | Including network analysis |
| | Cf. TS157.5+ Scheduling |
| 57.9 | Queuing theory. Waiting line problems |
| 57.92 | Game theory |
| | Cf. HD30.26 Management games |
| 57.95 | Decision theory |
| | Cf. HD30.23 Administrative decisions |
| 57.97 | Search theory |
| 58.4 | Managerial control systems |
| | Information technology. Information systems (General) |
| 58.5 | General works |

- Industrial engineering
- Information technology. Information systems (General) --
- Continued
- Management information systems
 - Cf. HD30.213 Industrial management
 - Cf. HF5549.5.C6+ Communication in personnel management
 - Cf. TS158.6 Automatic data collection systems (Production control)
- 58.6 General works
- 58.62 Decision support systems
 - Cf. HD30.213 Industrial management
- 58.64 Management of information systems
- Production capacity. Manufacturing capacity
 - Cf. HD69.C3 Economics
 - Cf. TS176+ Manufacturing engineering
- 58.7 General works
- 58.8 Productivity. Efficiency
- Standardization
 - Cf. TA368 Standards (Collections, indexes, etc.)
- 59.A1 Periodicals, societies, etc.
- 59.A2-Z General works
- 59.2.A-Z By region or country, A-Z
- 59.4 Mechanization
- 59.5 Automation
 - Cf. HD45.2 Economics
 - Cf. TA165 Engineering instruments
 - Cf. TJ212+ Automatic control
 - Cf. TJ1180+ Machine tools
 - Cf. TS156.8 Process control
- Human engineering in industry. Man-machine systems
- 59.7 General works
- 59.72 Fatigue aspects of man-machine systems
- 59.77 Working environment
 - Cf. TS187 Plant utilities
- Work measurement. Methods engineering
 - Including time and motion study, work study, etc.
- 60.A2 Periodicals
- 60.A3-Z General works
- Work measurement
- 60.2 General works
- Production standards
- 60.3 General works
- 60.35 Labor productivity
 - Cf. HD57 Economics
- Time study
- 60.4 General works

- Industrial engineering
- Work measurement. Methods engineering
 - Work measurement
 - Time study -- Continued
 - 60.42 Standard times
 - 60.45 Allowances
 - 60.47 Setup time
 - Predetermined motion time systems
 - 60.5 General works
 - 60.52 Methods time measurement
 - 60.55 Work sampling
- Methods engineering
 - 60.6 General works
 - 60.7 Motion study
 - 60.74 Machine assignments
 - 60.8 Work design. Job design
- Technical education. Technical schools
 - Cf. LB1594+ Industrial training in the elementary school
 - Cf. LC1081+ Industrial education (Theory)
 - Cf. LC2780.5 Industrial education of blacks and African Americans
 - Cf. T175+ Industrial research
 - Cf. TT161+ Manual training
- 61 Periodicals, societies, etc.
- 62 Congresses
- 63 Dictionaries and encyclopedias
- 64 Directories
- 65 General works
- 65.3 General special
 - Including international cooperation
- 65.5.A-Z Special methods, A-Z
 - 65.5.B5 Blackboard drawing
 - 65.5.C3 Case method
 - 65.5.C65 Computer-assisted instruction
 - 65.5.M6 Motion pictures
 - 65.5.P7 Programmed instruction
 - 65.5.S9 Synthetic training devices
 - 65.5.T4 Television
- History
 - 66 General works
 - 67 Ancient
 - 68 Medieval
 - 69 Modern
- Special countries
 - For special schools see T171+
 - 71 America
 - 72 North America

- Technical education. Technical schools
 Special countries -- Continued
- United States
 - 73 General works
 - 73.1 New England. North Atlantic States
 - 73.3 Southern States
 - 73.5 Central States
 - 73.7 Western States
 - 74.A-Z Special states, A-Z
 - 75.A-Z Special cities, A-Z
 - Canada
 - 76 General works
 - 77.A-Z Local, A-Z
 - Mexico
 - 78 General works
 - 79.A-Z Local, A-Z
 - Central America
 - 80 General works
 - 81.A-Z Special countries, A-Z
 - West Indies
 - 82 General works
 - 83.A-Z Special countries or islands, A-Z
 - South America
 - 84 General works
 - Argentina
 - 86 General works
 - 87.A-Z Local, A-Z
 - Bolivia
 - 88 General works
 - 89.A-Z Local, A-Z
 - Brazil
 - 91 General works
 - 92.A-Z Local, A-Z
 - Chile
 - 93 General works
 - 94.A-Z Local, A-Z
 - Colombia
 - 95 General works
 - 96.A-Z Local, A-Z
 - Ecuador
 - Guiana
 - 98 Guyana
 - 99 Suriname
 - French
 - 100 French
 - Paraguay
 - Peru
 - Uruguay

Technical education. Technical schools

Special countries

South America -- Continued

104

Venezuela

Europe

105

General works

Great Britain. England

107

General works

107.5

Colonies

108.A-Z

English counties or cities, A-Z

Ireland

109

General works

110.A-Z

Local, A-Z

Scotland

111

General works

112.A-Z

Local, A-Z

Wales

113

General works

114.A-Z

Local, A-Z

Austria

115

General works

116.A-Z

Local, A-Z

(116.H8)

Hungary

see T128.5

Belgium

117

General works

118.A-Z

Local, A-Z

Denmark

119

General works

120.A-Z

Local, A-Z

France

121

General works

122.A-Z

Local, A-Z

Germany

Including West Germany

123

General works

124.A-Z

Local, A-Z

East Germany

124.5

General works

(124.6.A-Z)

Local

see T124.A-Z

Greece

125

General works

126.A-Z

Local, A-Z

Holland

127

General works

128.A-Z

Local, A-Z

Technical education. Technical schools

Special countries

Europe -- Continued

- 128.5 Hungary
- Italy
- 129 General works
- 130.A-Z Local, A-Z
- Norway
- 131 General works
- 132.A-Z Local, A-Z
- Portugal
- 133 General works
- 134.A-Z Local, A-Z
- Russia
- 135 General works
- 136.A-Z Local, A-Z
- Spain
- 137 General works
- 138.A-Z Local, A-Z
- Sweden
- 139 General works
- 140.A-Z Local, A-Z
- Switzerland
- 141 General works
- 142.A-Z Local, A-Z
- Turkey
- 143 General works
- 144.A-Z Local, A-Z
- 146.A-Z Balkan States, A-Z
- 147.A-Z Other countries, A-Z
- Asia
- 149 General works
- China
- 151 General works
- 152.A-Z Local, A-Z
- India
- 153 General works
- 154.A-Z Local, A-Z
- Japan
- 155 General works
- 156.A-Z Local, A-Z
- Iran. Persia
- 157 General works
- 158.A-Z Local, A-Z
- (159-160) Asia Minor
see T143+

Technical education. Technical schools

Special countries

Asia -- Continued

(161-162)

Siberia

see T136

163.A-Z

Other Asian countries, A-Z

164

Arab countries

Africa

165

General works

166.A-Z

Special countries, A-Z

Indian Ocean islands

166.5

General works

166.6.A-Z

Special divisions, A-Z

Australia

167

General works

168.A-Z

Local, A-Z

168.5

New Zealand

Pacific islands

169

General works

170.A-Z

Special divisions, A-Z

Special schools

Including technical departments of universities

Cf. TT167.A+ Manual training schools

American schools

171.A-Z

General. By name, A-Z

*Under each school:**.xA1-.xA4**Official serials**.xA5-.xA7**Official monographs**.xA8-.xZ**Nonofficial publications. By author,
A-Z*

172.A-Z

Correspondence schools. By name, A-Z

173.A-Z

Other schools. By city where located, A-Z

Expand Cutter number for city to provide alphabetical
arrangement of schools, e.g.

173.L832

Borough Polytechnic (London, England)

173.L88

City of London Polytechnic

Technological change

For technological innovations in economic history see

HC79.T4

For economic aspects of technological innovations see

HD45

173.2

General works

Special countries

173.4

United States

173.5.A-Z

Other countries, A-Z

Inventions see T212

173.8

Technological innovations

- Technological change -- Continued
- 174 Technological forecasting
- 174.2 Technology indicators
- 174.3 Technology transfer
Cf. HF1429 Foreign licensing agreements
- 174.5 Technology assessment
- 174.7 Nanotechnology
- Industrial research. Research and development
Cf. T56.42 Industrial engineering
Cf. TA160+ Engineering
Cf. TS171+ Product design
- 175 General works
- 175.5 Management. Organization
- 175.7 Research parks
Special countries
United States
Others, A-Z
- 176 United States
- 177.A-Z Others, A-Z
- 178.A-Z Special research laboratories. By name, A-Z
- Museums. Exhibitions of local societies
- 179 General works
Special museums
United States
- 180.A1 General works
- 180.A2-Z By city and museum, A-Z
- 183.A-Z Other regions or countries, A-Z
Under each country:
.x *General works*
.x2A-.x2Z *By city and museum, A-Z*
- 185 Addresses, essays, lectures
Patents
For patents pertaining to particular subjects, see the subject, e.g.
TK7850 Patents in electronics
Cf. HD69.B7 Brand name products
- 201 Periodicals, societies, congresses, etc.
International patent conferences
- 203 General works. By date of conference
- 205 History and discussions of international agreements
("conventions") resulting from the conferences
- 207 Collected works (nonserial)
Addresses, essays, lectures see T333
- 209 Dictionaries and encyclopedias
- 210 Patent literature
- 210.2 Translating. Translating services
- 210.5 Directories
- 211 Theory of patents

Patents -- Continued

- 212 Inventors and inventions. How to invent
 Cf. T14.7+ History of inventions
 Cf. T173.8 Technology innovations
 History of patents
 By region or country
 For patent law, see class K
 America
- 221 General works (Table T5)
 North America
- 222 General works (Table T5)
 United States
- 223 General works (Table T5)
 223.5 Confederate States of America (Table T5)
 224.A-W States, A-W
 Subarrange each by Table T6
- 225.A-Z Cities, A-Z
 Subarrange each by Table T6
- Canada
- 226 General works (Table T5)
 227.A-Z Provinces, A-Z
 Subarrange each by Table T6
- 227.5 Latin America (Table T5)
 228 Mexico (Table T5)
 Central America
- 230 General works (Table T5)
 231.A-Z Special countries, A-Z
 Subarrange each by Table T6
- West Indies
- 232 General works (Table T5)
 233.A-Z Special islands, A-Z
 Subarrange each by Table T6
- South America
- 234 General works (Table T5)
 236 Argentina (Table T5)
 238 Bolivia (Table T5)
 241 Brazil (Table T5)
 243 Chile (Table T5)
 245 Colombia (Table T5)
 247 Ecuador (Table T5)
 248 Guyana (Table T5)
 249 Suriname (Table T5)
 250 French Guiana (Table T5)
 251 Paraguay (Table T5)
 252 Peru (Table T5)
 253 Uruguay (Table T5)
 254 Venezuela (Table T5)

Patents

History of patents

By region or country -- Continued

Europe

| | |
|----------|-----------------------------------|
| 255 | General works (Table T5) |
| | Great Britain. England |
| 257 | General works (Table T5) |
| 259 | Ireland (Table T5) |
| 261 | Scotland (Table T5) |
| 263 | Wales (Table T5) |
| 264.A-Z | Cities or other special, A-Z |
| | Subarrange each by Table T6 |
| 265 | Austria (Table T5) |
| 265.3 | Czechoslovakia (Table T5) |
| 265.5 | Hungary (Table T5) |
| | Belgium |
| 267 | General works (Table T5) |
| 268.A-Z | Local or special, A-Z |
| | Subarrange each by Table T6 |
| 269 | Denmark (Table T5) |
| 271 | France (Table T5) |
| 273 | Germany (Table T5) |
| 275 | Greece (Table T5) |
| 277 | Netherlands (Table T5) |
| 279 | Italy (Table T5) |
| 280.5 | Malta (Table T5) |
| 281 | Norway (Table T5) |
| 283 | Portugal, Azores, etc. (Table T5) |
| | Russia in Europe |
| 285 | General works (Table T5) |
| 286.A-Z | Local or special, A-Z |
| | Subarrange each by Table T6 |
| 287 | Spain (Table T5) |
| 288.5 | Scandinavia (Table T5) |
| 289 | Sweden (Table T5) |
| 291 | Switzerland (Table T5) |
| 295.A-Z | Other regions and countries, A-Z |
| 295.A2 | Balkan Peninsula (Table T6) |
| 295.A38 | Albania (Table T6) |
| 295.A48 | Andorra (Table T6) |
| 295.B3 | Baltic States (Table T6) |
| 295.B43 | Belarus (Table T6) |
| 295.B45 | Benelux countries (Table T6) |
| 295.B9 | Bulgaria (Table T6) |
| 295.F5 | Finland (Table T6) |
| 295.I43 | Iceland (Table T6) |
| 295.L285 | Lapland (Table T6) |

Patents

History of patents

By region or country

Europe

Other regions and countries, A-Z -- Continued

- 295.L37 Latvia (Table T6)
- 295.L78 Lithuania (Table T6)
- 295.L9 Luxemburg (Table T6)
- 295.P7 Poland (Table T6)
- 295.P75 Pomerania (Poland and Germany) (Table T6)
- 295.R6 Romania (Table T6)
- 295.S55 Slovenia (Table T6)
- 295.U95 Ukraine (Table T6)
- 295.Y8 Yugoslavia (Table T6)

Asia

- 299 General works (Table T5)
- 301 China (Table T5)
 - For Hong Kong see T313.H85
- 302.5 Taiwan (Table T5)
- South Asia
- 302.9 General works (Table T5)
 - India
 - 303 General works
 - 304.A-Z Local or special, A-Z
 - Subarrange each by Table T6
 - 304.5 Pakistan (Table T5)
 - 304.65 Bangladesh (Table T5)
 - 304.7 Sri Lanka. Ceylon (Table T5)
 - 305 Japan (Table T5)
 - 306.5 Korea (Table T5)
 - Including South Korea
 - 306.7 North Korea (Table T5)
 - 307 Iran. Persia (Table T5)
 - 309 Russia in Asia. Siberia (Table T5)
 - 311 Turkey. Asia Minor (Table T5)
 - 313.A-Z Other divisions of Asia, A-Z
 - 313.A3 Afghanistan (Table T6)
 - 313.B54 Borneo (Table T6)
 - 313.B7 Brunei (Table T6)
 - 313.B8 Burma. Myanmar (Table T6)
 - 313.C16 Cambodia (Table T6)
 - 313.C9 Cyprus (Table T6)
 - 313.G39 Gaza Strip (Table T6)
 - 313.H85 Hong Kong (Table T6)
 - 313.I55 Indonesia (Table T6)
 - 313.I7 Iraq (Table T6)
 - 313.I75 Israel (Table T6)

Patents

History of patents

By region or country

Asia

Other divisions of Asia, A-Z -- Continued

- 313.J6 Jordan (Table T6)
- 313.K85 Kuwait (Table T6)
- 313.L28 Laos (Table T6)
- 313.L4 Lebanon (Table T6)
- 313.M2 Macau (Table T6)
- 313.M318 Malaya (Table T6)
- 313.M32 Malaysia (Table T6)
- 313.N4 Myanmar see T313.B8
- 313.P6 Nepal (Table T6)
- 313.Q36 Philippines (Table T6)
- 313.Q36 Qatar (Table T6)
- 313.S33 Saudi Arabia (Table T6)
- 313.S53 Singapore (Table T6)
- 313.S6 Southeast Asia (Table T6)
- 313.S94 Syria (Table T6)
- 313.T48 Thailand (Table T6)
- 313.U54 United Arab Emirates (Table T6)
- 313.V5 Vietnam (Table T6)
- 313.W48 West Bank (Table T6)
- 313.Y45 Yemen (People's Democratic Republic) (Table T6)
- 313.5 Middle East (Table T5)
- 314 Arab countries (Table T5)
- 314.5 Islamic countries (Table T5)
- Africa
- 315 General works (Table T5)
- 317 Egypt (Table T5)
- 319.A-Z Other divisions of Africa, A-Z
- 319.A4 Algeria (Table T6)
- 319.A5 Angola (Table T6)
- 319.B57 Botswana (Table T6)
- 319.B85 Burundi (Table T6)
- 319.C17 Cameroon (Table T6)
- 319.C42 Central Africa (Table T6)
- 319.C43 Central African Republic (Table T6)
- 319.C75 Congo (Brazzaville) (Table T6)
- Congo (Democratic Republic) see T319.Z3
- Côte d'Ivoire see T319.I9
- 319.D3 Dahomey (Table T6)
- 319.D55 Djibouti (Table T6)
- 319.E18 East Africa (Table T6)
- 319.E19 Eastern Africa (Table T6)
- 319.E8 Ethiopia (Table T6)

Patents

History of patents

By region or country

Africa

Other divisions of Africa, A-Z -- Continued

- 319.F82 French-speaking Equatorial Africa (Table T6)
- 319.F83 French-speaking West Africa (Table T6)
- 319.G23 Gabon (Table T6)
- 319.G45 Ghana (Table T6)
- 319.G92 Guinea (Table T6)
- 319.G94 Guinea-Bissau (Table T6)
- 319.I9 Ivory Coast. Côte d'Ivoire (Table T6)
- 319.K4 Kenya (Table T6)
- 319.L45 Lesotho (Table T6)
- 319.L49 Liberia (Table T6)
- 319.L74 Libya (Table T6)
- 319.M28 Madagascar (Table T6)
- 319.M3 Malawi (Table T6)
- 319.M34 Mauritania (Table T6)
- 319.M6 Morocco (Table T6)
- 319.M85 Mozambique (Table T6)
- Namibia see T319.S68
- 319.N53 Niger (Table T6)
- 319.N54 Nigeria (Table T6)
- 319.R45 Rhodesia, Southern. Zimbabwe (Table T6)
- 319.R9 Rwanda (Table T6)
- 319.S18 Sahel (Table T6)
- 319.S38 Senegal (Table T6)
- 319.S5 Sierra Leone (Table T6)
- 319.S59 Somalia (Table T6)
- 319.S6 South Africa (Table T6)
- 319.S64 Southern Africa (Table T6)
- 319.S68 Southwest Africa. Namibia (Table T6)
- 319.S73 Sub-Saharan Africa (Table T6)
- 319.S74 Sudan (Table T6)
- 319.S87 Swaziland (Table T6)
- 319.T35 Tanzania (Table T6)
- 319.T64 Togo (Table T6)
- 319.T8 Tunisia (Table T6)
- 319.U4 Uganda (Table T6)
- 319.U66 Upper Volta (Table T6)
- 319.W48 West Africa (Table T6)
- 319.Z3 Zaire. Congo (Democratic Republic) (Table T6)
- 319.Z34 Zambia (Table T6)
- Zimbabwe see T319.R45
- Indian Ocean islands
- 320 General works (Table T5)

Patents

History of patents

By region or country

Indian Ocean islands -- Continued

320.5.A-Z
320.5.M38
320.5.R48

Special islands, A-Z

Mauritius (Table T6)

Réunion (Table T6)

Australasia

320.7

General works (Table T5)

Australia

321

General works (Table T5)

322.A-Z

Local or special, A-Z

Subarrange each by Table T6

322.5

New Zealand (Table T5)

322.7

Papua New Guinea (Table T5)

Pacific islands

323.A1

General works (Table T6)

323.A5-Z

Special islands, A-Z

Subarrange each by Table T6

323.2

Arctic regions (Table T5)

323.3

Antarctica (Table T5)

323.7

Developing countries (Table T5)

324

Designs and models of patents (General)

For special regions or countries see T221+

325

Trademarks

For special regions or countries, including trademarks for special products or industries of those regions or countries see T221+

333

Addresses, essays, lectures

339

Inventors' manuals. Publications of patent solicitors

Including works on how to protect, patent, and merchandise inventions

342

Industrial design coordination

Mechanical drawing. Engineering graphics

Cf. QA501+ Descriptive geometry

Cf. T11.8 Technical illustration

Cf. TA337+ Schematic and graphic methods in engineering

Cf. TJ227+ Machine drawing

351

Periodicals, societies, etc.

351.3

Dictionaries and encyclopedias

351.5

Study and teaching

352

Drawing-room management and practice

Cf. T375+ Drawing-room equipment and supplies

353

General works

353.5

Juvenile works

354

Problems, exercises, etc.

Mechanical drawing. Engineering graphics -- Continued

- 355 Structural drawing
Cf. NA2685+ Architecture
- 357 General special
Including tinting, standards
- 359 Freehand drawing for technical purposes
- 361 Technical blackboard drawing
- Projection
- 362 General works
- 363 Orthographic projection
Including axonometric and isometric projection
- 365 Oblique projection
Including cavalier and cabinet projection
- 369 Perspective projection
Cf. NC748+ Drawing, design, illustration (Fine arts)
- 371 Lettering
Cf. NK3600+ Alphabets, calligraphy and initials
Cf. NK8705+ Stonework
Cf. TT360.A1+ Signs
- Drawing instruments and materials
- 375 General works
- 377 Catalogs
- 379 Working drawings and their use. Blueprint reading
Cf. TA175 Engineering drawings
Cf. TR915+ Reproduction of drawings
- 385 Computer-assisted drafting. Computer graphics
Including individual programs, e. g. AutoCAD
- Exhibitions. Trade shows
Including the great national and international exhibitions
- 391 Periodicals. Societies. Collections
- 393 Documents
Cf. T395+ History
- 394 Directories
- History
- 395 General works
- 395.5.A-Z By region or country, A-Z
- Organization, methods, classifications, etc.
Including display techniques
- 396 General works
- 396.5 Display technique. Pavilions
- 397.A-Z Special. By city, A-Z
e.g.
- 397.C5 Chicago. World's Columbian Exposition, 1893
- Special exhibitions
- 402 Aberdeen (Table T2)
- 402.2 Accra (Table T2)
- 402.6 Addis Ababa, 1995 (Table T2)

Exhibitions

Special exhibitions -- Continued

- 403 Adelaide, 1897 (Table T2)
- 405 Agra, 1867 (Table T2)
Agram see T992
- 407 Alexandria (Table T2)
- 410 Algiers (Table T2)
- 412 Alma-Ata (Table T2)
Amsterdam
- 414 1859 (Table T2)
- 415 1869 (Table T2)
- 416 1883 (Table T2)
- 417 Antananarivo, Madagascar
Arrange by date; subarrange each by Table T2
- 419 Antwerp, 1930 (Table T2)
- 420 Antwerp, 1984 (Table T2)
- 424 Athens (Table T2)
Atlanta
- 426 1881 (Table T2)
- 427 1895 (Table T2)
- 428.7 Baghdad (Table T2)
- 429 Bahia, 1872 (Table T2)
- 430 Baltimore (Table T2)
- 433 Barcelona (Table T2)
- 436 Basel (Table T2)
- 439 Batavia (Table T2)
- 439.3 Belgrad (Table T2)
- 439.5 Bergen, 1898 (Table T2)
- 440 Berlin (Table T2)
- 450 Birmingham (Table T2)
- 452 Bogota (Table T2)
- 452.5 Bolzano (Table T2)
- 453 Bombay (Table T2)
- 456 Bordeaux (Table T2)
- 460 Boston, 1883 (Table T2)
Brisbane
- 463 1875 (Table T2)
- 463.2 1988 (Table T2)
- 464 Brno
Arrange by date; subarrange each by Table T2
- Brussels
- 465 Before 1910
Arrange by date; subarrange each by Table T2
- 467 1910 (Table T2)
- 468 1935 (Table T2)
- 469 1958 (Table T2)
- 475 Bucharest (Table T2)

Exhibitions

Special exhibitions -- Continued

Budapest

478 1885 (Table T2)

479 1896 (Table T2)

479.2 1925 (Table T2)

479.3 Later

Arrange by date; subarrange each by Table T2

Buenos Aires

481 1875 (Table T2)

482 1880 (Table T2)

483 1882 (Table T2)

484 1910 (Table T2)

484.5 Later

Arrange by date; subarrange each by Table T2

485 Buffalo, 1901 (Table T2)

486 Cadiz (Table T2)

487 Cairo (Table T2)

488 Calcutta (Table T2)

489 Calicut (Table T2)

491 Canton (Table T2)

494 Capetown (Table T2)

495 Caracas (Table T2)

496 Caserta, 1864 (Table T2)

Charleroi

496.7 1911 (Table T2)

496.8 Later

Arrange by date; subarrange each by Table T2

497 Charleston, 1901-1902 (Table T2)

Chicago

499 1873 (Table T2)

499.5 1883 (Table T2)

500 1893 (Table T2)

501 1933-1934 (Table T2)

502 1992 (Table T2)

Christiania see T797

Cincinnati

515 1870-1872 (Table T2)

516 1888 (Table T2)

517 1935 (Table T2)

519 Ciudad Trujillo (Table T2)

Cleveland

520 1909 (Table T2)

521 Later

Arrange by date; subarrange each by Table T2

523 Colombo, Ceylon (Table T2)

525 Constantinople (Table T2)

Exhibitions

Special exhibitions -- Continued

| | |
|-------|--|
| 535 | Copenhagen (Table T2) |
| 536 | Cordoba, 1871 (Table T2) |
| 537 | Cork, 1852 (Table T2) |
| 540 | Curitiba, 1875 (Table T2) |
| 541 | Dairen |
| | Arrange by date; subarrange each by Table T2 |
| 543 | Dallas, 1936-1937 (Table T2) |
| 544 | Delhi, India (Table T2) |
| 545 | Denver, 1882-1883 (Table T2) |
| | Detroit |
| 550 | 1892 (Table T2) |
| 551 | Later |
| | Arrange by date; subarrange each by Table T2 |
| 552 | Djakarta (Table T2) |
| 553 | Dnepropetrovsk, 1910 (Table T2) |
| 555 | Dresden (Table T2) |
| | Dublin |
| 560 | 1853 (Table T2) |
| 561 | 1865 (Table T2) |
| 563 | Dusseldorf (Table T2) |
| | Dunedin |
| 565 | 1865 (Table T2) |
| 566 | 1925-1926 (Table T2) |
| 570 | Edinburgh (Table T2) |
| 575 | Enugu, 1997 (Table T2) |
| 590 | Florence (Table T2) |
| 599 | Fukuoka (Table T2) |
| 606 | Geneva (Table T2) |
| 610 | Genoa, 1892 (Table T2) |
| 615 | Ghent |
| | Arrange by date; subarrange each by Table T2 |
| | Glasgow |
| 618 | 1888 (Table T2) |
| 618.3 | 1938 (Table T2) |
| 619 | Graz (Table T2) |
| 619.5 | Guadalajara, 1880 (Table T2) |
| 620 | Guatemala, 1878 (Table T2) |
| 620.5 | Guimarães, 1884 (Table T2) |
| 621 | Haarlem, 1861 (Table T2) |
| 624 | Hague (Table T2) |
| 627 | Hakodate (Table T2) |
| 631 | Hamburg (Table T2) |
| 632 | Hangchow |
| | Arrange by date; subarrange each by Table T2 |
| 632.5 | Hannover, 2000 (Table T2) |

Exhibitions

Special exhibitions -- Continued

| | |
|-------|--|
| | Hanoi |
| 633 | 1902 (Table T2) |
| 633.5 | Since 1902 |
| | Arrange by date; subarrange each by Table T2 |
| 635 | Havana (Table T2) |
| 640 | Hong Kong (Table T2) |
| 645 | Indianapolis (Table T2) |
| 647 | Izmir (Table T2) |
| 648 | Jamestown, 1907 (Table T2) |
| 650 | Johannesburg (Table T2) |
| 650.8 | Kanazawa, Japan (Ishikawa Prefecture) (Table T2) |
| 651 | Karachi |
| | Arrange by date; subarrange each by Table T2 |
| 652 | Khartoum |
| | Arrange by date; subarrange each by Table T2 |
| 653 | Kiev (Table T2) |
| 654 | Kimberley, 1892 (Table T2) |
| 655 | Kingston, Jamaica, 1891 (Table T2) |
| 658 | Kishinev (Table T2) |
| 670 | Klagenfurt, 1838 (Table T2) |
| 670.2 | Knoxville, 1982 (Table T2) |
| 670.4 | Kobe-shi (Japan) (Table T2) |
| 670.5 | Kōchi, Japan |
| | Arrange by date; subarrange each by Table T2 |
| 670.7 | Kure, Japan (Table T2) |
| 670.8 | Kyoto, Japan (Table T2) |
| 671.3 | Lagos (Table T2) |
| 671.5 | La Paz, Bolivia (Table T2) |
| 671.8 | Lausanne (Table T2) |
| 673 | Leeds (Table T2) |
| 678 | Leipzig (Table T2) |
| | Liège |
| 679 | 1905 (Table T2) |
| 679.3 | 1930 (Table T2) |
| 679.5 | Later |
| | Arrange by date; subarrange each by Table T2 |
| 680 | Lima (Table T2) |
| 681 | Lisbon (Table T2) |
| 684 | Liverpool, 1886 (Table T2) |
| 687 | Loanda (Table T2) |
| | London |
| 690 | 1851 (Table T2) |
| 691 | 1862 (Table T2) |
| 695 | 1871-1874 (Table T2) |
| 695.5 | 1884 (Table T2) |

Exhibitions

Special exhibitions

London -- Continued

| | |
|-------|--|
| 695.6 | 1885 (Table T2) |
| 696 | 1886 (Table T2) |
| | 1887 |
| 697 | General works (Table T2) |
| 697.3 | East London (Table T2) |
| 698 | 1906 (Table T2) |
| 699 | 1908 (Table T2) |
| 700 | 1910 (Table T2) |
| 700.2 | 1912 (Table T2) |
| 700.5 | 1917 (Table T2) |
| 700.8 | 1928 (Table T2) |
| 701 | 1929 (Table T2) |
| 702 | Later |
| | Arrange by date; subarrange each by Table T2 |
| 703 | Long Beach, Calif. (Table T2) |
| 704 | Los Angeles, Calif. (Table T2) |
| 705 | Louisville, 1886 (Table T2) |
| | Lyons |
| 710 | 1894 (Table T2) |
| 711 | Later |
| | Arrange by date; subarrange each by Table T2 |
| 712 | Madras |
| | Arrange by date; subarrange each by Table T2 |
| | Madrid |
| 714 | Before 1891 |
| | Arrange by date; subarrange each by Table T2 |
| 715 | 1891 (Table T2) |
| 716 | Later |
| | Arrange by date; subarrange each by Table T2 |
| 718 | Malmö, 1896 (Table T2) |
| 719 | Manchester, 1887 (Table T2) |
| 723 | Manila (Table T2) |
| 725 | Mar del Plata (Table T2) |
| 727 | Marseilles (Table T2) |
| 729 | Medellín, Colombia (Table T2) |
| | Melbourne |
| 730 | 1861 (Table T2) |
| 730.1 | 1866-1967 (Table T2) |
| 730.6 | 1875 (Table T2) |
| 731 | 1880-1881 (Table T2) |
| 732 | 1888-1889 (Table T2) |
| 739 | Memphis (Table T2) |
| 742 | Mexico (City) (Table T2) |
| 744 | Milan (Table T2) |

Exhibitions

Special exhibitions -- Continued

- 745 Milwaukee (Table T2)
 748 Minneapolis (Table T2)
 750 Minsk (Table T2)
 750.4 Mogadishu, Somalia
 Arrange by date; subarrange each by Table T2
 751 Moji (Table T2)
 752 Montreal (Table T2)
 757 Moscow (Table T2)
 760 Mukden (Table T2)
 762 Munich (Table T2)
 766 Nagasaki (Table T2)
 766.5 Nagoya-shi (Japan) (Table T2)
 768 Nancy (Table T2)
 770 Nanking (Table T2)
 773 Naples (Table T2)
 774 Naruto-shi (Japan) (Table T2)
 775 Nashville, 1897 (Table T2)
 775.6 Neuchâtel, 2001 (Table T2)
 New Orleans
 776 1854 (Table T2)
 777 1884-1885 (Table T2)
 778 1885-1886 (Table T2)
 779 Later
 Arrange by date; subarrange each by Table T2
 New York
 783 1853-1854 (Table T2)
 784 1855-1938
 Arrange by date; subarrange each by Table T2
 785 1939-1940 (Table T2)
 786 Later
 Arrange by date; subarrange each by Table T2
 787 Niagara Falls, 1926 (Table T2)
 788 Nicosia (Cyprus)
 Arrange by date; subarrange each by Table T2
 789 Novgorod (Table T2)
 793 Odessa (Table T2)
 796 Omaha, 1898 (Table T2)
 796.5 Oporto (Table T2)
 796.7 Osaka
 Arrange by date; subarrange each by Table T2
 797 Oslo (Christiania) (Table T2)
 797.5 Otaru, Japan (Table T2)
 798 Panama (Table T2)
 Panama-Pacific exposition see TC781+
 Paris

Exhibitions

Special exhibitions

Paris -- Continued

799

Before 1855

Arrange by date; subarrange each by Table T2

800

1855 (Table T2)

801

1867 (Table T2)

801.5

1875 (Table T2)

802

1878 (Table T2)

803

1889 (Table T2)

804

1900 (Table T2)

805

Later

Arrange by date; subarrange each by Table T2

820

Peking (Table T2)

Philadelphia

825

1876 (Table T2)

826

1877-1879 (Table T2)

826.3

1926 (Table T2)

828

Pisa, 1868 (Table T2)

830

Pittsburgh (Table T2)

830.5

Plovdiv (Table T2)

830.7

Poona (Table T2)

831

Port-au-Prince, 1949-1950 (Table T2)

831.3

Port Louis, 1996 (Table T2)

832

Portland, Maine (Table T2)

Portland, Oregon

834

1905 (Table T2)

834.2

Later

Arrange by date; subarrange each by Table T2

835

Porto, 1865 (Table T2)

836

Prague (Table T2)

836.8

Pushkin (Russia) (Table T2)

837

Quito (Table T2)

Rio de Janeiro

839

Before 1875

Arrange by date; subarrange each by Table T2

840

1875 (Table T2)

841

1876-1907

Arrange by date; subarrange each by Table T2

843

1908 (Table T2)

844

Later

Arrange by date; subarrange each by Table T2

845

Rio Grande do Sul (Table T2)

850

Rome (Table T2)

860

St. Louis, 1904 (Table T2)

865

St. Paul (Table T2)

868

St. Petersburg (Table T2)

Exhibitions

Special exhibitions -- Continued

- 871 San Antonio, Texas (Table T2)
San Diego
- 872 1915 (Table T2)
- 872.3 Later
Arrange by date; subarrange each by Table T2
- San Francisco
- 874 1894 (Table T2)
- 875 1895-1914
Arrange by date; subarrange each by Table T2
1915. Panama-Pacific exposition see TC781+
- 876 Later
Arrange by date; subarrange each by Table T2
- 877 San José, 1886 (Table T2)
- 878 San Juan, Puerto Rico (Table T2)
Santiago de Chile
- 879 1872 (Table T2)
- 879.1 1873 (Table T2)
- 880 1875 (Table T2)
- 881 1942-1943 (Table T2)
- 882 1989
- 884 Sarajevo (Table T2)
- 888 Schwerin, 1861 (Table T2)
Seattle
- 890 1909 (Table T2)
- 890.2 Later
Arrange by date; subarrange each by Table T2
- Seoul
- 891.5 1929 (Table T2)
- 892 1982 (Table T2)
- Seville
- 894 1929-1930 (Table T2)
- 894.1 1992 (Table T2)
- 895 Shan-t'ou chuan ch'u, China (Table T2)
- 896 Shanghai (Table T2)
- 896.5 Shizuoka (Japan)
Arrange by date; subarrange each by Table T2
- 897 Singapore (Table T2)
- 898 Sofia (Table T2)
- 902 Spokane (Table T2)
- 903 Springfield, Mass. (Table T2)
- 910 Stockholm, 1897 (Table T2)
- 915 Strassburg (Table T2)
- 917 Stuttgart (Table T2)
- 920 Sydney, 1879-1880 (Table T2)
- 923 Taejŏn-si (Korea), 1993 (Table T2)

Exhibitions

Special exhibitions -- Continued

| | |
|-------|--|
| 925 | T'ai-pei (City) (Table T2) |
| 926 | Takayama-shi (Japan) Arrange by date; subarrange each by Table T2 |
| 930 | Tananarivo (Table T2) |
| 933 | Tbilisi, 1850 (Table T2) |
| 934 | Thessalonikē (Table T2) |
| | Tokyo |
| 937 | Before 1912 Arrange by date; subarrange each by Table T2 |
| 938 | 1912- Arrange by date; subarrange each by Table T2 |
| 939 | Toluca, Mexico (Table T2) |
| 940 | Toronto (Table T2) |
| 941 | Toyama (Table T2) |
| 944 | Trieste (Table T2) |
| 945 | Tripoli (Table T2) |
| 946 | Tsukuba Kenkyū Gakuen Toshi (Japan) (Table T2) |
| | Turin |
| 947 | 1884 (Table T2) |
| 948 | Later Arrange by date; subarrange each by Table T2 |
| 948.5 | Ulm (Table T2) |
| 948.7 | Utsunomiya-shi (Japan) (Table T2) |
| 949 | Valladolid, 1850 (Table T2) |
| 951 | Valparaiso (Table T2) |
| 953 | Vancouver, B.C. Arrange by date; subarrange each by Table T2 |
| 955 | Venice (Table T2) |
| | Vienna |
| 960 | 1873 (Table T2) |
| 960.2 | 1995 (Table T2) |
| 967 | Villanueva y Geltrú (Table T2) |
| 975 | Warsaw (Table T2) |
| | Washington |
| 983 | 1846 (Table T2) |
| 984 | Since 1846 Arrange by date; subarrange each by Table T2 |
| 986 | Wellington, N. Z., 1885 (Table T2) |
| 988 | Wembley, Eng., 1924-1925 (Table T2) |
| 990 | Yokohama (Table T2) |
| 992 | Zagreb (Agram) (Table T2) |
| 995 | Zurich (Table T2) |

TA

ENGINEERING (GENERAL). CIVIL ENGINEERING
(GENERAL)

TA

| | |
|---------|---|
| | Engineering (General). Civil engineering (General) |
| | Periodicals and societies |
| 1 | English |
| 2 | French |
| 3 | German |
| 4 | Other languages (not A-Z) |
| 5 | Congresses |
| | Exhibitions. Museums |
| 6.A1 | General works |
| 6.A2-Z | By region or country, A-Z Subarrange each country by Table T4b |
| 7 | Collected works (nonserial) |
| 9 | Dictionaries and encyclopedias |
| | Engineering literature see T10.7 |
| 11 | Symbols and abbreviations |
| 12 | Directories of engineering companies and engineers |
| | History |
| 15 | General works |
| 16 | Ancient |
| 17 | Medieval |
| | Modern |
| 18 | To 1800 |
| 19 | 1800- |
| 21-127 | Country divisions (Table T1a) Add country number in table to TA0 Class here general historical and descriptive literature, reports on public works, etc. Cf. HD3881+ Economic aspects of public works |
| | Biography |
| 139 | Collective |
| 140.A-Z | Individual, A-Z |
| | General works. Civil engineering, etc. |
| 144 | Early to 1850 |
| 145 | 1850- |
| 147 | Elementary textbooks |
| 148 | Popular works |
| 149 | Juvenile works |
| 151 | Handbooks, manuals, etc. Cf. TA332 Pocketbooks, tables, etc. (Engineering mathematics) Cf. TA685 Tables of structural shapes and sections of steel and iron |
| 152 | Laboratory manuals |
| 153 | General special |
| 155 | Addresses, essays, lectures |

TA

ENGINEERING (GENERAL). CIVIL ENGINEERING
(GENERAL)

TA

- 157 Engineering as a profession. Engineers
Including working conditions, ethics, etc.
General works
Industrial technicians
Cf. TS155.4+ Manufacturing personnel
- 158 General works
- 158.3 Instrumentation technicians
- Communication in engineering
- 158.5 General works
- 158.7 Computer network resources
Including the Internet
- Technical education. Technical schools see T61+
- 159 Examinations, questions, etc.
Research
- 160 General works
Special countries
United States
- 160.4 United States
- 160.6.A-Z Other regions or countries, A-Z
- 164 Bioengineering
Cf. R856+ Medical engineering
- 165 Engineering instruments, meters, etc. Industrial
instrumentation
Cf. TJ212+ Control engineering
- 165.5 Coordinate measuring machines
Human engineering
Class particular applications with the field of application, e.g.
TL240+ Automobile design
Cf. QP360.7 Neuroergonomics
Cf. T59.7+ Industrial engineering
- 166 General works
- 167 Human-machine systems
- 168 Systems engineering
Cf. T57.6+ Systems analysis (Industrial engineering)
- 168.5 Reverse engineering
Systems reliability
Cf. TS173 Reliability of industrial products
- 169 General works
- 169.3 Accelerated life testing
- 169.5 System failures
- 169.6 Fault location
- 169.7 System safety
Cf. T55+ Industrial safety
Cf. TS175 Product safety
- Environmental engineering
Cf. TD1+ Environmental technology
Cf. TH6014+ Environmental engineering in buildings

| TA | ENGINEERING (GENERAL). CIVIL ENGINEERING (GENERAL) | TA |
|---------|--|----|
| | Environmental engineering -- Continued | |
| 170 | General works | |
| 171 | Environmental testing | |
| 174 | Engineering design | |
| 175 | Drawings and designs Cf. T351+ Mechanical drawing | |
| 177 | Engineering models Engineering economy Cf. TS165+ Cost control. Value engineering Cf. TS181+ Planning for machinery. Tool life | |
| 177.4 | General works | |
| 177.7 | Cost effectiveness. Benefits-to-costs ratios | |
| 178 | Valuation and depreciation Specifications Cf. HD2365+ Competitive letting of contracts in industry Cf. TH425 Construction of buildings | |
| 180 | General works. Methods, etc. | |
| 181.A-Z | By region or country, A-Z Including the official manuals of public works | |
| 183 | Estimates, quantities, and costs Cf. TH434+ Construction of buildings | |
| 185 | Accounting for engineers Management of engineering works | |
| 190 | General works | |
| 190.5 | Office systems and records | |
| 191 | Inspection of workmanship Cf. TH439 Building inspection Cf. TS156.2+ Inspection of manufactures | |
| 192 | Safety measures | |
| 194 | Planning of operations. Critical path analysis Engineering meteorology | |
| 197 | General works | |
| 198 | Industry and meteorology Class special industries and applications with the field e.g. TH7392.M6 Heating of factories | |
| | Contractors' operations and equipment. Contracting Cf. TH11 Builders' and contractors' bulletins | |
| 201 | Periodicals | |
| 210 | General works Engineering machinery, tools, and implements Cf. TA735+ Excavating machinery Cf. TH900+ Construction equipment in building construction Cf. TS181+ Planning for machinery | |
| 213 | General works | |
| 214 | Directories | |

TA

ENGINEERING (GENERAL). CIVIL ENGINEERING
(GENERAL)

TA

- 215 Engineering machinery, tools, and implements -- Continued
Trade and general catalogs, circulars, etc.
Consulting engineering
Cf. T56.3 Management consultants
Directories see TA12
- 216 General works
- 217.A-Z Special companies. By name, A-Z
- 219 Forensic engineering
- (221-327) Engineering law
see class K
Engineering mathematics. Engineering analysis
Cf. TA640+ Computational methods of structural
engineering
- 329 Periodicals. Societies. Collections. Congresses
- 330 General works
- 331 General special
- 332 Pocketbooks, tables, etc.
Study and teaching
- 332.5 General works
- 333 Problems, exercises, examinations
- 335 Numerical methods. Approximations
Schematic and graphic methods
- 337 General works
- 338.A-Z Special topics, A-Z
- 338.B6 Bond graphs
- 338.F5 Flowgraphs
- 338.G7 Graph theory
- 338.N6 Nomograms
- 340 Probabilistic and statistical methods
Mathematical models
Cf. TA177 Engineering models
- 342 General works
- 343 Analogs. Simulation methods
Cf. T57.62+ Industrial engineering
Electronic data processing. Computer-aided engineering
- 345 General works
- 345.5.A-Z Special systems, A-Z
- 345.5.A57 ANSYS
- 345.5.D47 DesignCAD
- 345.5.I2 ICES
- 345.5.M16 MESY
- 345.5.R73 RS/1
- 345.5.U53 UNISURF CAD
- 347.A-Z Other specific mathematical aids in the solution of
engineering problems, A-Z
- 347.B69 Boundary value problems

- Engineering mathematics. Engineering analysis
 Other specific mathematical aids in the solution of
 engineering problems, A-Z -- Continued
- 347.C3 Calculus of variations
 347.C54 Closed circular ring problems
 347.C6 Combinatorial analysis
 347.C64 Complex analysis. Functions of complex variables
 Complex variables, Functions of see TA347.C64
- 347.C68 Coupled problems
 347.D4 Determinants and matrices
 347.D45 Differential equations
 347.D5 Dimensional analysis
 347.D52 Dimensionless numbers
 347.D57 Distributed point source method
 347.F5 Finite element method
 347.F86 Functional analysis
 Functions of complex variables see TA347.C64
- 347.I5 Integral equations
 347.L5 Linear algebras
 Matrices see TA347.D4
- 347.N46 Nets
 347.N6 Normal numbers
 347.T4 Tensor analysis
 347.T7 Transfer functions
 347.V4 Vector analysis
 348 Power spectra
- Mechanics of engineering. Applied mechanics
 For structural engineering see TA630+
 For mechanics applied to machinery see TJ170+
 Cf. TA405+ Mechanics of materials
- 349 Periodicals, societies, congresses, etc.
 349.5 Dictionaries and encyclopedias
 350 General works
 350.2 Laboratory manuals
 350.3 Addresses, essays, lectures
 350.5 Study and teaching
 350.7 Problems, exercises, examinations
 351 Applied statics
 Applied dynamics
- 352 General works
 353 Contact mechanics
 354 Impact
 354.5 Penetration mechanics

TA

ENGINEERING (GENERAL). CIVIL ENGINEERING
(GENERAL)

TA

Mechanics of engineering. Applied mechanics

Applied dynamics -- Continued

355

Vibration in engineering

Cf. TA654+ Structural engineering

Cf. TG265 Bridges

Cf. TH153 Building (General)

Cf. TJ208 Vibrators

356

Vibration of vehicles

For vibration of specific vehicles, see the type of vehicle, e.g.

TF Railroad vehicles; TL Motor vehicles

Applied fluid mechanics

Including fluid dynamics

Cf. TC160+ Technical hydraulics

Cf. TJ267 Theory of turbines

Cf. TJ853+ Fluidics and fluidic devices

357

General works

357.3

Problems, exercises, etc.

357.5.A-Z

Special topics, A-Z

Aerodynamics see TA358

357.5.C38

Cavitation

357.5.C65

Convection

357.5.D37

Data processing

357.5.F55

Flow visualization

357.5.F58

Fluid-structure interaction

Fluid transients see TA357.5.U57

Mathematics see QA901+

357.5.M43

Measurements

357.5.M59

Mixing

357.5.M84

Multiphase flow. Two-phase flow

357.5.R44

Reduced gravity environments

357.5.S57

Sloshing

357.5.T87

Turbulence

Two-phase flow see TA357.5.M84

357.5.U57

Unsteady flow

357.5.V56

Viscous flow

358

Aerodynamics in engineering

Cf. TL570+ Mechanics of flight

359

Aerodynamics of vehicles

For aerodynamics of specific vehicles, see the vehicle, e.g.

TF Railroad vehicles; TL Motor vehicles

- Acoustics in engineering. Acoustical engineering
 Class particular uses in the field of application, e.g. ML3805
 Music; NA2800 Architectural acoustics; TK5981+
 Electroacoustics
 Cf. TA418.84 Acoustical properties of materials
 Cf. TD891+ Noise control
 Cf. TH1725 Sound control in buildings
 Cf. TK5103.52 Acoustical telecommunication
- 365 General works
 365.5 Anechoic chambers
 367 Ultrasonics in engineering
 Cf. TA417.4 Ultrasonic testing
- 367.5 Lasers in engineering
 368 Standards (Collections, indexes, etc.)
 Class special collections of standards by subject in T-TX, e.g.
 TJ1330 Bolts and nuts
 Cf. T59+ Standardization
- Materials of engineering and construction
 Including building materials
 For constitution and properties of matter see QC170+
- 401 Periodicals. Societies. Collections
 401.3 Congresses
 Exhibitions
 401.6.A1 General works
 401.6.A2-Z By region or country, A-Z
 Subarrange each country by Table T4b
- 402 Dictionaries and encyclopedias
 402.3 Directories of materials scientists
 402.5.A-Z Special regions or countries, A-Z
 402.7 Developing countries
 403 Treatises
 403.2 Popular works. Juvenile works
 403.4 Pocketbooks, tables, etc.
 403.6 General special
 Including transportation, quality control, etc.
- 403.8 Addresses, essays, lectures
 403.9 Materials science as a profession
 404 Study and teaching
 404.2 Research
 Cf. TA416+ General engineering and testing laboratories
- 404.23 Data processing
 Including computer simulation
- 404.25 Communication in materials engineering
 Including materials databases
- 404.3 Problems, exercises, etc.
 404.5 Specifications and standards

Materials of engineering and construction -- Continued

Specific characteristics of materials

For chemical properties, see QD, TN, and TP

For electric and magnetic properties, see QC501-QC764; TK

Mechanical properties. Behavior of materials under applied forces

- 404.8 General works
- Strength of materials. Mechanics of materials
- 405 General works
- 407 General special
 - Including stress analysis
- 407.2 Pocketbooks, tables, etc.
- 407.4 Problems, exercises, examinations
- 407.6 Study and teaching
- 409 Failure of materials. Fracture
 - Cf. TA417.6 Deformation of materials
- 409.2 Service life of materials
- 409.3 Strengthening mechanisms
- Testing of materials (General and mechanical)
- 410 General works
- 412 Laboratory machines
- Testing machines
- 413 General works
- 413.5 Strain gages
- General engineering and testing laboratories
 - Cf. TJ148 Mechanical engineering laboratories
- 416 General works
- 416.5.A-Z By region or country, A-Z
- 417.A-Z Special laboratories. By name, A-Z
- Nondestructive tests
- 417.2 General works
 - Acoustic emission testing see TA418.84
- 417.23 Microscopy
- 417.25 Radiographic examinations
- 417.3 Magnetic analysis
- 417.35 Electric analysis
- 417.36 Electromagnetic testing
 - Including eddy current testing
- 417.4 Ultrasonic testing
- 417.43 Optical characterization
- 417.45 Holographic testing
- 417.5 Infrared examinations
- 417.55 Penetrant inspection
- 417.6 Deformation of materials under stress

Materials of engineering and construction

Specific characteristics of materials

Mechanical properties. Behavior of materials under applied forces

Testing of materials (General and mechanical) --

Continued

417.7.A-Z

Behavior of materials under specific stresses, A-Z

For specific properties and tests, see the subject, e.g.

TA418+ Elastic properties and tests

For specific properties and tests, see the subject, e.g.

TA418.14+ Plastic (inelastic) properties and tests

Bending see TA417.7.F5

417.7.C6

Composite materials

417.7.C65

Compression

417.7.F5

Flexure

417.7.H53

High gravity

417.7.H55

High temperature

417.7.R43

Reduced gravity

417.7.S5

Shear

417.7.T4

Tension

417.7.T6

Torsion

Specific properties and tests

Elastic properties and tests

418

General works

418.12

Photoelasticity

Plastic (inelastic) properties and tests

418.14

General works

418.15

Photoplasticity

Ductile and brittle states

418.16

General works

418.17

Notch effect

418.18

Strain hardening

418.2

Viscous flow. Viscoelasticity

418.22

Creep behavior

Temperature-dependent properties and tests

Including effects of temperature on yield strength, viscous flow, etc.

Cf. TA418.52+ Thermal properties and tests

418.24

General works

418.26

Heat resistant materials. Refractory materials

Cf. TN677+ Metallurgical furnaces and refractory materials

418.28

Cold resistant materials

Time-dependent properties and tests

418.3

General works

Dynamic properties

| | |
|-----------|---|
| | Materials of engineering and construction |
| | Specific characteristics of materials |
| | Mechanical properties. Behavior of materials under applied forces |
| | Specific properties and tests |
| | Time-dependent properties and tests |
| | Dynamic properties -- Continued |
| 418.32 | General works |
| 418.34 | Impact strength |
| | Endurance properties and tests |
| 418.36 | General works |
| 418.38 | Fatigue behavior |
| 418.4 | Mechanical wear |
| | Cf. TA418.72 Friction properties |
| 418.42 | Hardness properties and tests |
| 418.45 | Hard materials |
| | Physical properties |
| 418.5 | General works |
| | Thermal properties and tests |
| 418.52 | General works |
| 418.54 | Thermal conductivity |
| | Cf. TH1715+ Insulation and insulating materials |
| | Thermal expansion |
| 418.56 | General works |
| 418.58 | Thermal stresses |
| 418.59 | Space environmental effects and tests |
| 418.6 | Radiation effects and tests |
| 418.62 | Optical properties and tests |
| 418.64 | Moisture content |
| | Surface effects and tests |
| 418.7 | General works |
| 418.72 | Friction properties |
| | Cf. TJ1075+ Lubrication and friction |
| | Corrosion properties. Deterioration |
| | Cf. TA462 Corrosion of metals |
| 418.74 | General works |
| 418.75 | Corrosion-resistant materials |
| 418.76 | Protective coatings |
| | Materials as particles, with tests |
| 418.78 | General works |
| 418.8 | Particle size determination |
| 418.82 | Porosity and denseness, with tests |
| 418.84 | Acoustical properties and tests |
| | Cf. TH1725 Soundproof construction |
| | Cf. TH1727 Acoustical materials |
| 418.9.A-Z | Materials of special composition or structure, A-Z |

Materials of engineering and construction
Materials of special composition or structure, A-Z --

Continued

- 418.9.A58 Amorphous substances
418.9.C57 Coatings
Cf. TA418.76 Protective coatings
Cf. TA446 Cement coating
Cf. TA491 Metal coating
Cf. TP156.C57 Coating processes
Cf. TP934+ Paints
Cf. TP935.A2+ Protective coatings
Cf. TP1175.S6 Plastic coating
Cf. TS653+ Plastic coating
- 418.9.C6 Composite materials
Including fibrous composites
Cf. TA481+ Metallic composites
- 418.9.C7 Crystalline solids
418.9.F5 Fibers
For fibrous composites see TA418.9.C6
- 418.9.F6 Foamed materials
418.9.F85 Functionally gradient materials
418.9.I53 Inhomogeneous materials
418.9.L3 Laminated materials
418.9.L54 Liquid crystals
418.9.N35 Nanostructured materials
418.9.P6 Porous materials
418.9.R4 Reinforced materials
418.9.S62 Smart materials
418.9.S64 SPM materials
418.9.T45 Thin films
- Special materials
For design and construction in special materials see
TA663+
- 418.95 Nonmetallic materials
General works
Wood
Cf. TA666+ Wooden construction
Cf. TS800+ Lumber and woodwork
Cf. TS920+ Chemical processing of wood
- 419.A1 Periodicals, societies, congresses, etc.
419.A2-Z General works
419.5 Standards
420 Strength and testing of wood
Deterioration and preservation of wood
Cf. TC200 Deterioration of structures exposed to
sea water

Materials of engineering and construction

Special materials

Nonmetallic materials

Wood

Deterioration and preservation of wood -- Continued

422

General works

Special destructive agents

Including their control

423

General works

Fungi. Decay

423.2

General works

423.3

Dry rot

423.4

Stain fungi

Insects

423.6

General works

423.63

Beetles

423.7

Termites

Preservation of wood

Cf. TT300+ Painting

424

General works

424.2

Testing

424.4

Special preservation methods

Including pressure-impregnation

424.6.A-Z

Special preservatives, A-Z

424.6.C7

Creosote

424.6.F8

Fungicides

424.6.O4

Oil-soluble preservatives

424.6.R8

Rubber

424.6.S3

Salt

424.6.W3

Water-soluble preservatives

Masonry materials

Cf. TA670+ Construction

425

General works

Stone

426

General works

427

Strength and testing of stone

428.A-Z

Special kinds of stone, A-Z

428.L5

Limestone

428.M3

Marble

430

Ceramic materials

Artificial materials

431

General works

Brick, tile, terra cotta

432

General works

433

Strength and testing of brick, etc.

Materials of engineering and construction

Special materials

Nonmetallic materials

Masonry materials

Artificial materials -- Continued

Cement, lime, mortar, etc.

Cf. TP875+ Cement industries

434

General works

435

Strength and testing of cement, etc.

Mortar

436

General works

437

Strength and testing

438

Cement composites

Concrete

Including Portland cement concrete

Including mixing

439

General works

440

Strength and testing

Including concrete corrosion

441

Aggregates

Including use of slag, clinkers, etc

442

Concrete and timber

Special types of concrete

442.5

General works

443.A-Z

By cementing substance, A-Z

443.A7

Asphalt

443.C64

Colloidal concrete

443.P58

Polymers

443.R4

Resin

Reinforced concrete

444

General works

445

Strength and testing

445.5

Corrosion of reinforcing bars

Reinforcing bar practice see TA683.42

446

Shotcrete. Gunite. Cement guns

447

Pipes of cement, concrete, and clay

Including drain tiles, culverts, etc.

Cf. TP885.P5 Pipe manufacture

448

Plastic pipes

Cf. TH6330 Plastic pipes in plumbing

Cf. TP1185.P5 Manufacture of plastic pipes

450

Glass

Including fiber glass

455.A-Z

Other nonmetallic materials, A-Z

455.A3

Abrasives

455.A34

Adhesives

Materials of engineering and construction

Special materials

Nonmetallic materials

Other nonmetallic materials, A-Z -- Continued

| | |
|---------|--|
| 455.A6 | Asbestos |
| 455.A62 | Asbestos substitutes |
| 455.A63 | Ashes |
| | Cf. TA455.F55 Fly ash |
| 455.A7 | Asphalt |
| 455.B3 | Bamboo |
| 455.B5 | Bituminous materials |
| 455.B65 | Borides |
| 455.C3 | Carbon |
| 455.C43 | Ceramic materials (General) |
| | For ceramic materials for heat-engines see TJ255.5 |
| | Cf. ML86 Music on ceramics |
| | Cf. NK3700+ Art industries |
| | Cf. R857.C4 Biomedical engineering |
| | Cf. RK655 Ceramics in dentistry |
| | Cf. TA430 Ceramic masonry materials |
| | Cf. TA479.6 Ceramic metals |
| | Cf. TK7871.15.C4 Electronics |
| | Cf. TP785+ Chemical technology |
| | Cf. TP825+ Ceramics, Architectural |
| | Cf. TT919+ Pottery craft |
| 455.C45 | Chromic materials |
| 455.C55 | Clay minerals |
| 455.C6 | Cork |
| 455.C65 | Corundum |
| 455.E4 | Elastomers |
| 455.E5 | Enamels |
| 455.E6 | Epoxy resins |
| 455.F3 | Faolite |
| 455.F5 | Fire clay |
| 455.F55 | Fly ash |
| | Cf. TE210.5.F55 Soil stabilization materials |
| 455.G44 | Geosynthetics |
| 455.G7 | Graphite |
| 455.G73 | Gravel |
| 455.G9 | Gypsum |
| 455.L3 | Laterite |
| 455.L6 | Loess |
| 455.M5 | Mica |
| 455.N5 | Nitrides |
| 455.P4 | Peat |
| 455.P45 | Perlite |

Materials of engineering and construction

Special materials

Nonmetallic materials

Other nonmetallic materials, A-Z -- Continued

- 455.P49 Plant fibers
- Plastics
- 455.P5 General works
- 455.P55 Reinforced plastics
- 455.P58 Polymers
- 455.R4 Reed
- Refractory materials see TN677+
- 455.R8 Rubber
- 455.S3 Sand
- 455.S35 Semimetals
- 455.S4 Shale
- 455.S43 Shells (Sea shells)
- 455.S46 Silicates
- 455.S5 Slag
- 455.S6 Soil
- 455.S8 Straw
- 455.S84 Stucco
- 455.S93 Sulfur
- 455.T3 Talc
- 455.V4 Vermiculite
- 455.W3 Wallboard
- Metals
- Cf. TA684+ Metal construction
- Cf. TN689+ Metallography
- 459 General works
- 460 Strength and testing
- 461 Specifications
- 462 Corrosion and protection against corrosion
- Cf. TS653+ Metal finishing
- Cf. TT300+ Industrial and structural painting
- 463 Liquid metals
- Cf. QC173.4.L56 Physics
- Iron and steel
- Cf. TN701.482+ Metallurgy
- Cf. UG408+ Iron and steel for land defenses
- 464 General works
- 465 Strength and testing
- 466 Specifications
- 467 Corrosion and protection against corrosion
- For stray currents from electric traction see TF912
- For electrolytic corrosion of underground lines see TK3255

Materials of engineering and construction

Special materials

Metals

Iron and steel -- Continued

Wrought iron

Including specifications

469 General works

470 Strength and testing

Steel

Including specifications

472 General works

473 Strength and testing

Cast iron

Including specifications

474 General works

475 Strength and testing

Iron and steel alloys

General works

478 General works

479.A-Z Special, A-Z

479.A88 Austenitic steel

479.B6 Boron steel

479.B7 Bulat steel

479.C37 Carbon steel

479.C5 Chromium steel

479.C7 Copper steel

Ferritic steel see TA479.S7

479.H43 Heat resistant steel

Cf. TA485 Heat resistant alloys

Maraging steel see TA479.N5

479.N5 Nickel steel

479.S5 Silicon alloys

479.S7 Stainless steel

479.V3 Vanadium steel

479.3 Nonferrous metals

479.6 Ceramic metals

480.A-Z Special metals, including their alloys, A-Z

480.A6 Aluminum

Including duralumin

480.B4 Beryllium

480.C5 Chromium

480.C6 Cobalt

480.C7 Copper

Including brass and bronze

480.G4 Germanium

480.I53 Indium

480.L4 Lead

Materials of engineering and construction

Special materials

Metals

Special metals, including their alloys, A-Z -- Continued

| | |
|---------|---|
| 480.L5 | Lithium |
| 480.M3 | Magnesium |
| 480.M35 | Manganese |
| 480.M4 | Mercury |
| 480.M6 | Molybdenum |
| 480.N6 | Nickel |
| 480.N63 | Nickel-titanium alloys |
| 480.N65 | Niobium |
| 480.R3 | Rare earth metals |
| 480.R5 | Rhenium |
| 480.R8 | Rubidium |
| 480.S5 | Silver |
| 480.T34 | Tantalum |
| 480.T5 | Tin |
| | Including babbitt |
| 480.T54 | Titanium |
| 480.T9 | Tungsten |
| 480.U7 | Uranium |
| 480.Y8 | Yttrium |
| 480.Z6 | Zinc |
| 480.Z65 | Zirconium |
| | Metallic composites |
| 481 | General works |
| 481.5 | Fiber-strengthened composites |
| | Alloys |
| 483 | General works |
| 484 | Lightweight alloys |
| | Cf. TA480.A6 Aluminum |
| 485 | Heat resistant alloys |
| | Cf. TA479.H43 Heat resistant steel |
| | Cf. TA479.6 Ceramic metals |
| 486 | Corrosion-resistant alloys |
| 487 | Shape memory alloys |
| 491 | Metal coatings |
| | Cf. TP1175.M4 Metal coating of plastics |
| | Cf. TS590+ Metal manufactures |
| 492.A-Z | Special forms and shapes in metal, A-Z |
| 492.A3 | Adhesive joints |
| 492.A6 | Angles |
| 492.B3 | Balls |
| 492.B63 | Bolts and nuts |
| 492.C6 | Chains |

Materials of engineering and construction

Special materials

Metals

Special forms and shapes in metal, A-Z -- Continued

- 492.C7 Columns
- 492.C9 Cylinders
- 492.F4 Fillets
- 492.F5 Flanges
- 492.G5 Girders
- 492.H6 Hooks
- 492.N2 Nails and spikes
- 492.P6 Pipes
- 492.P7 Plates
- 492.R6 Rivets
 - Cf. TA891 Riveting
- 492.S25 Sandwich construction elements
- 492.S3 Screws
- 492.S5 Shafting
- 492.T4 Tee stiffeners
- 492.T8 Tubes
- 492.W4 Welded joints
- 492.W7 Wire
- 492.W77 Wire netting
- 492.W8 Wire rope

495

Disasters and engineering

- Cf. TC181 Earthquakes and hydraulic structures
- Cf. TC530+ Flood control
- Cf. TF539 Damage to railroads
- Cf. TH1095 Earthquakes and building

Surveying

- 501 Periodicals, societies, etc.
- 502 Congresses
- 504 Collected works (nonserial)
- 505 Dictionaries and encyclopedias
- 506 Directories
- History
 - 514.7 Periodicals, societies, serials, etc.
 - 515 General works
 - 516 Ancient
 - 517 Medieval
 - 518 Modern
 - 519 19th-20th centuries
 - 520 20th century
 - 521-531 Special regions or countries
 - America. United States
 - 521 General works

| | |
|-----------|---------------------------------------|
| | Surveying |
| | History |
| | Special regions or countries |
| | America. United States -- Continued |
| | Special divisions (United States) |
| 521.5.A-Z | By region, A-Z |
| | e.g. |
| 521.5.N4 | New England |
| 522.A-W | States, A-W |
| 522.5.A-Z | Cities, A-Z |
| | Canada |
| 523.A1 | General works |
| 523.A3-Z | By region or province, A-Z |
| | <i>Under each province:</i> |
| | .x <i>General works</i> |
| | .x3A-.x3Z <i>Special cities, A-Z</i> |
| 524 | Latin America. West Indies (Table T4) |
| 525 | South America (Table T4) |
| 526 | Europe (Table T4) |
| 527 | Asia (Table T4) |
| 528 | Africa (Table T4) |
| | Australia |
| 529.A1 | General works |
| 529.A3-Z | By region or state, A-Z |
| | <i>Under each state:</i> |
| | .x <i>General works</i> |
| | .x3A-.x3Z <i>Special cities, A-Z</i> |
| 529.5 | New Zealand |
| 530 | Pacific islands (Table T4) |
| 531 | Arctic regions |
| | Biography |
| 532 | Collective |
| 533.A-Z | Individual, A-Z |
| 534 | Surveying as a profession |
| | Study and teaching |
| 535 | General works |
| 537 | Examinations, questions, etc. |
| 538.A-Z | By region or country, A-Z |
| | General works |
| 544 | Early to 1800 |
| 545 | 1800- |
| 549 | General special |
| 551 | Pocketbooks, field manuals, etc. |
| 552 | Tables |
| 555 | Addresses, essays, lectures |
| 556.A-Z | Special topics, A-Z |

- Surveying
- Special topics, A-Z -- Continued
- 556.M38 Mathematics
- Instruments
- 562 General works
- Special instruments
- 563 Compass
- 565 Levels
- 571 Planetable
- 575 Theodolite and transit
- 579 Other instruments
- 581 Trade catalogs, circulars, etc.
- 583 Triangulation for engineering works
Cf. QB311 Geodesy
Cf. TA593.8+ Photographic triangulation
- 585 Traverses
- 588 Stadia surveying
- 590 Topographical surveying
Photography in surveying, aerial surveying, etc.
For special applications of photographic surveying, see the application
- 592 Periodicals. Societies. Serials
- 592.2 Congresses
- 592.3 Collected works (nonserial)
- 592.4 Dictionaries and encyclopedias
- History
- 592.5 General works
- 592.6.A-Z By region or country, A-Z
Subarrange each country by Table T4a
- 593 General works
- 593.2 General special
- 593.25 Handbooks, tables, etc.
- 593.3 Addresses, essays, lectures
- 593.35 Instruments, cameras, etc.
- 593.4 Photographic reading, interpretation, etc.
- 593.5 Mathematical models. Data processing
- 593.6 Standards, specifications, etc.
- 593.7 Stereophotogrammetry
Photographic triangulation
- 593.8 General works
- 593.83 Strip adjustment. Block adjustment
- 593.9.A-Z Other topics, A-Z
- 593.9.E75 Errors
Graphic plotting see TA611
- 593.9.T54 Tilt
- Other methods. Compass surveying, etc.

Surveying

Other methods. Compass surveying, etc. -- Continued

595

General works

595.5

Satellite surveying

597

Applications of astronomy

e.g. Azimuth observations

Cf. QB201+ Geodesy

Cf. VK563 Navigation

601

Measurement of distances

603

Measurement of angles

Leveling

606

General works

607

Spirit leveling. Precise leveling

609

Trigonometric

Barometric hypsometry see QC895

610.A-Z

Lists of bench marks. By country, A-Z

611

Plotting

Computation of areas

613

General works

614

Planimeters

Class here works on application only

616

Topographic drawing

Class here engineering works only

Cf. GA125 Cartography

Cf. UG470+ Military topography

Surveying for special purposes

622

Public land

623

Hydraulic surveying for engineering purposes

Hydrographic surveying see VK588+

City surveying see TD167

Geodetic surveying see QB301+

Geophysical surveying see TN269+

Landscape architectural surveying see SB475.9.S95

Military surveying see UG470+

Mine surveying see TN273

Railroad surveying see TF210+

Road surveying see TE209+

625

Other special applications

Structural engineering (General)

For structural engineering of a specific kind of structure, see the
structure, e.g. TC540 Dams; TG Bridges; TH Buildings; TJ
Machinery; TL Vehicles; VM ShipsCf. TA660.A+ Specific structural forms without regard to
material usedCf. TA663+ Structures in special materials, including their
structural parts

- Structural engineering (General) -- Continued
- 630 Periodicals, societies, congresses, etc.
- 631 Dictionaries and encyclopedias
General works
- 632 Early to 1850
- 633 1850-
- 634 Juvenile works
- 635 Pocketbooks, tables, etc.
- 636 General special
- 637 Addresses, essays, lectures
- 638 Study and teaching
- 638.2 Research
- 638.5 Examinations, questions, etc.
Structural engineering project management see TA190+
Structural drawing see T355
Computational methods
- 640 General works
- 640.2 General special
- 640.4 Problems, exercises, etc.
- 640.6 Graphic statics
Cf. TG270 Graphic statics in bridge engineering
Cf. TJ235 Graphic statics in mechanical engineering
- 640.8 Influence lines
- 641 Electronic computer methods
- 642 Matrix methods
- 643 Model analysis. Simulation methods
Structural analysis. Theory of structures
- 645 General works
- 646 General special
- 647 Data processing
Static loading conditions
- 648 General works
- 648.2 Dead loads
- 648.3 Stresses
- 648.4 Shear. Bending moments
- 648.5 Strains and deflections
Statistically indeterminate structures
Including the slope-deflection method, moment-distribution method, Cross method, Castigliano's theorem, three-moment theorem, etc.
- 650 General works
- 651 Continuous systems
- 652 Limit analysis. Plastic analysis. Yield stress analysis
- 653 Elastic analysis
Dynamic loading conditions. Structural dynamics.
Vibrations

Structural engineering (General)

Structural analysis. Theory of structures

Dynamic loading conditions. Structural dynamics.

Vibrations -- Continued

654

General works

654.15

Modal analysis

654.2

Impact loading

654.3

Live loads. Moving loads

654.4

Snow and ice loads

Cf. TG304 Bridges

Cf. TH895 Snow loads in building

654.5

Wind loads

Cf. TG303 Wind pressure on bridges

Cf. TH891 Wind pressure in building

654.55

Water wave loads

654.6

Earthquake forces

Including general earthquake engineering

Cf. QE539.2.S34 Earthquake safety measures and
hazard analysis

Cf. TA658.44 Earthquake resistant design

Cf. TC181 Hydraulic structures

Cf. TF539 Railroads

Cf. TH1095 Earthquakes and building

654.7

Blast loads

Cf. TA658.42 Blast resistant design

Cf. TH1097 Bombproof construction

654.8

Thermal stresses

654.9

Dynamic control

Stability of structures. Structural failure

656

General works

656.2

Buckling

656.3

Fatigue

656.4

Brittle fracture

656.5

Probability of safety

656.6

Structural health monitoring

Structural design

For design of structures of a specific material, see the specific
material in TA663+

658

General works

658.2

General special

658.3

Pocketbooks, tables, etc.

658.35

Problems, exercises, examinations

Structural design for dynamic loads

658.4

General works

658.42

Blast resistant design

| | |
|---------|--|
| | Structural engineering (General) |
| | Structural design |
| | Structural design for dynamic loads -- Continued |
| 658.44 | Earthquake resistant design |
| | Cf. TA654.6 Earthquake forces and earthquake engineering |
| | Cf. TH1095 Earthquakes and building |
| 658.48 | Wind resistant design |
| | Cf. TA654.5 Wind loads |
| | Cf. TH891 Wind pressure in building |
| 658.6 | Limit design. Plastic design |
| 658.8 | Structural optimization |
| 660.A-Z | Specific structural forms, analysis, and design, A-Z |
| 660.A53 | Angles |
| 660.A7 | Arches |
| | Cf. TG327+ Arched bridges |
| | Cf. TH2150+ Arches in building detail |
| 660.B3 | Bars |
| 660.B4 | Beams |
| | Cf. TG350+ Beams and girders of bridges |
| 660.B43 | Beams, Continuous |
| 660.B45 | Bearings |
| | Cf. TJ1061+ Mechanical engineering |
| 660.C3 | Cables. Cable structures |
| 660.C37 | Castellated beams |
| 660.C47 | Channels |
| 660.C6 | Columns |
| 660.C9 | Cylinders |
| 660.D52 | Diaphragms |
| 660.D6 | Domes |
| | Cf. TH2170+ Domes in building detail |
| 660.E9 | Expansion joints |
| | Cf. TJ424 Pipe fittings |
| | Cf. TL784.E9 Rockets |
| 660.F53 | Flexible structures |
| 660.F57 | Flitch beams |
| 660.F6 | Floors (General) |
| | Cf. TH2521+ Floors in building design and construction |
| 660.F7 | Frames |
| 660.F72 | Frames, Continuous |
| 660.F73 | Frames, Multistory |
| | Girders, Plates see TA660.P59 |
| 660.G7 | Grillages |
| 660.H66 | Honeycomb structure |
| 660.J64 | Joints |
| 660.P55 | Pipelines |

Structural engineering (General)

Specific structural forms, analysis, and design, A-Z --

Continued

| | |
|-----------|--|
| 660.P59 | Plate girders |
| 660.P6 | Plates |
| 660.P63 | Plates, Folded |
| 660.P65 | Plates, Twisted |
| 660.P73 | Polyhedra |
| | Pressure vessels see TA660.T34 |
| 660.S3 | Sandwich elements |
| 660.S5 | Shells |
| | Cf. TH2416+ Shell roofs of buildings |
| 660.S6 | Slabs |
| 660.S63 | Space frame structures |
| 660.S66 | Steel beams |
| 660.S67 | Steel-wood I-beams |
| 660.S7 | Struts |
| 660.T34 | Tanks. Pressure vessels |
| | Cf. TF271 Tank tanks |
| | Cf. TH4935 Silos |
| | Cf. TP692.5 Petroleum storage tanks |
| | Cf. TP756 Gasholders |
| | Cf. TP756.5 Underground storage |
| 660.T48 | Thick-walled elements |
| 660.T5 | Thin-walled elements |
| 660.T6 | Towers |
| 660.T8 | Trusses |
| | Cf. TG375+ Truss bridges |
| | Cf. TH2392 Roof trusses |
| 660.W3 | Walls (General) |
| | Cf. TH2201+ Walls in building detail |
| | Design and construction in special materials |
| | For properties of special engineering materials without regard to their structural use see TA418.95+ |
| 663 | Lightweight construction |
| | Cf. TH1100 Building construction |
| 664 | Composite design and construction |
| 665 | Prestressed construction |
| | Wooden construction |
| | Cf. TH1101 Building construction |
| 666 | General works |
| 666.5.A-Z | Individual structural members, A-Z |
| 666.5.B43 | Beams |
| 666.5.J64 | Joints |
| 666.5.P35 | Panels. Paneling |
| 668 | Plastic construction |

Structural engineering (General)

Design and construction in special materials -- Continued

Masonry construction

Cf. TH1199+ Building construction

Cf. TH5311+ Practical masonry

670

General works

672

Stereotomy

Cf. TH5401+ Stonecutting

676

Stone

Cf. TH1201 Building construction

679

Brick

Cf. TH1301 Building construction

Cement and concrete

Cf. TH1461+ Building construction

680

Periodicals. Societies. Congresses

680.5

Directories

681

General works

Analysis and design of structures

681.5

General works

682

Pocketbooks, tables, etc.

682.25

Specifications and standards

682.26

Estimates and costs

682.3

Joints. Hinges

Practical construction methods

682.4

General works

682.42

Amateurs' manuals

682.43

Cold weather conditions

682.44

Formwork

682.445

Bearing pads

682.45

Pump placing

682.455

Roller compacting

682.46

Vibration processes

682.47

Vacuum processes

682.48

Hot weather conditions

682.485

Underwater construction

682.49

Finishing processes

682.5.A-Z

Individual structural members, A-Z

682.5.S5

Slabs

Reinforced concrete construction

Cf. TA444+ Construction materials

Cf. TH1501 Building construction

Periodicals. Societies. Congresses see TA680

683

General works

Analysis and design of structures

683.2

General works

683.22

Pocketbooks, tables, etc.

- Structural engineering (General)
 - Design and construction in special materials
 - Masonry construction
 - Cement and concrete
 - Reinforced concrete construction
 - Analysis and design of structures -- Continued
 - 683.23 Examinations, questions, etc.
 - 683.24 Specifications and standards
 - 683.26 Estimates
 - 683.28 Drawings. Detailing
 - 683.3 Joints
 - Practical construction methods
 - 683.4 General works
 - 683.42 Reinforcing bars
 - Cf. TA445.5 Corrosion of reinforcing bars
 - 683.44 Formwork
 - 683.45 Inserts
 - 683.46 Vibration methods
 - 683.5.A-Z Individual structural members, A-Z
 - 683.5.B3 Beams
 - 683.5.C7 Columns
 - 683.5.F8 Frames
 - 683.5.P35 Panels
 - 683.5.P65 Poles
 - 683.5.S4 Shells
 - 683.5.S6 Slabs
 - 683.5.T7 Trusses
 - 683.5.W34 Walls
 - 683.7 Precast construction
 - For individual members see TA683.5.A+
 - Prestressed concrete construction
 - For individual members see TA683.5.A+
 - 683.9 General works
 - 683.94 Post-tensioned prestressed concrete construction
 - Metal construction
 - Iron and steel
 - Cf. TA890+ Cutting, bending, riveting of iron and steel
 - 684 General works
 - 685 Catalogs. Pocketbooks, tables, etc.
 - 690 Aluminum and aluminum alloys
 - 695.A-Z Other metal construction, A-Z
 - Engineering geology. Geotechnical engineering
 - Cf. TC542 Dam geology
 - 703 Periodicals. Societies. Serials
 - 703.5 Congresses

TA

ENGINEERING (GENERAL). CIVIL ENGINEERING
(GENERAL)

TA

| | |
|-----|---|
| | Earthwork -- Continued |
| 725 | Earthmoving machinery Cf. TA735+ Excavating machinery |
| | Excavations |
| 730 | General works |
| 732 | Juvenile works |
| | Excavating machinery Cf. TC187+ Dredging Cf. TF225+ Railroads |
| 735 | General works |
| 737 | Trade catalogs |
| | Rock excavation |
| 740 | General works |
| 743 | Rock drilling Cf. TA800+ Tunneling Cf. TD412 Well boring Cf. TN275+ Mining operations |
| | Rock drills |
| 745 | General works |
| 747 | Trade catalogs |
| 748 | Blasting |
| 749 | Soil stabilization Including soil compaction Cf. S593.23 Agriculture Cf. TE210.4+ Highway engineering |
| 750 | Hydraulic filling |
| 755 | Grouting |
| | Embankments, retaining walls, dams, etc. Cf. TC540+ Dams |
| 760 | General works |
| 765 | Earth pressure |
| 770 | Retaining walls |
| 772 | Anchorage (Structural engineering) |
| | Foundations Cf. TC197 Foundations under water Cf. TG320 Foundations of bridges Cf. TH2101 Foundations of buildings |
| 775 | General works |
| 777 | Guy anchors |
| | Piles and pile-driving |
| 780 | General works |
| 783 | Screw-piles |
| 785 | Sheet-piling |
| 786 | Steel piling |
| 787 | Concrete piling |

TA

ENGINEERING (GENERAL). CIVIL ENGINEERING
(GENERAL)

TA

- Tunneling. Tunnels
 - Including vehicular tunnels
 - Cf. TF230+ Railroad tunnels and tunneling
 - Cf. TN285 Mine tunneling
- 800 Periodicals, societies, congresses, etc.
- History
- 803 General works
- 804.A-Z By region or country, A-Z
- 805 General works
- 807 Popular works. Juvenile works
- 810 Pocketbooks, tables, etc.
- 814 Ventilation and lighting
- 815 Special topics and methods
- 820.A-Z Tunnels. By place, A-Z
- Scaffolding see TH5281
- Practical masonry, stonecutting, bricklaying, etc. see TH5311+
- (881) Centering of arches
 - see TH5591
- Iron and steel work
 - Including cutting, bending, etc.
 - Cf. TA684+ Construction
- 890 General works
- 891 Riveting
- 900 Protection of structures
 - Cf. TH9025+ Protection of buildings
- 901 Waterproof construction
 - Cf. TH9031+ Protection of buildings from dampness
- Transportation engineering
 - Class individual types of transportation with the type, e.g. TF
 - Railroads; TL Motor vehicles, airplanes, etc.
 - For economics of transportation see HE1+
- 1001 Periodicals and societies
- (1004) Yearbooks
 - see TA1001
- 1005 Congresses
- Museums. Exhibitions
- 1006.A1 General works
- 1006.A2-Z By region or country, A-Z
 - Subarrange each country by Table T4b
- 1007 Collected works (nonserial)
- 1009 Dictionaries and encyclopedias
- 1015 History
- 1021-1127 Country divisions (Table T1a)
 - Add country number in table to TA1000
- 1145 General works
- 1147 Popular works

TA

ENGINEERING (GENERAL). CIVIL ENGINEERING
(GENERAL)

TA

- Transportation engineering -- Continued
- 1149 Juvenile works
 - 1151 Handbooks, tables, etc.
 - 1155 Addresses, essays, lectures
 - 1160 Transportation engineering as a profession
 - 1163 Study and teaching
 - 1165 Data processing
 - Route surveying see TA551; TA625
 - 1200 Coordination of forms of transportation
 - Urban and metropolitan transportation systems
 - For local see TA1021+
 - 1205 General works
 - 1207 Personal rapid transit
 - Freight
 - 1210 General works
 - 1215 Containerization
 - 1225 Terminals. Transport centers
 - 1227 Food service
 - Cf. TF668.A1+ Dining car service
 - 1230 Automation
 - 1235 Electronics in transportation
 - Signaling equipment
 - 1245 General works
 - 1250 Signal lights
 - 1280 Heating, ventilation, and air conditioning equipment
 - Applied optics. Photonics
 - Class applications in a special field with the field
 - Cf. QC370.5+ Optical instruments and apparatus
 - Cf. QH201+ Microscopes and microscopy
 - Cf. TK5103.59+ Optical communications
 - Cf. TK8300+ Optoelectronic devices. Photoelectronic devices
 - Cf. TR1+ Photography
 - Cf. TS510+ Optical instrument manufacture
 - 1501 Periodicals, societies, yearbooks, etc.
 - 1505 Congresses
 - 1509 Dictionaries and encyclopedias
 - 1520 General works
 - 1521 Juvenile works. Popular works
 - 1522 General special
 - 1530 Nanophotonics

Applied optics. Photonics -- Continued

Applied holography

- Cf. HD9707.5.H34+ Holography industry
- Cf. QC244.5 Acoustic holography (Physics)
- Cf. QC449+ Holography (Physics)
- Cf. TA417.45 Holographic testing of engineering materials

1540

General works

1542

General special

1550

Acoustic holography

1552

Microwave holography

1555

Holographic interferometry

1570

Infrared technology

- Cf. QC457 Infrared rays
- Cf. TK4635 Infrared heating
- Cf. TP363 Heating, drying, cooling, etc.
- Cf. TR755 Photography

1600

Ultraviolet technology

- Cf. QC459+ Ultraviolet rays

Optical data processing

- Cf. TA1540+ Applied holography
- Cf. TK7895.O6 Optical equipment (Computers)
- Cf. TK8315+ Imaging systems

1630

General works

1632

General special

1634

Computer vision

- Cf. TJ211.3 Robot vision

1635

Optical data storage

- Cf. TK6685 Video discs and video disc equipment
- Cf. TK7882.C56 Compact discs
- Cf. TK7882.D93 DVDs. DVD players

Image processing

1637

General works

- Cf. T385 Mechanical drawing
- Cf. TK8315+ Imaging systems
- Cf. TR267+ Digital photography
- Cf. TR897.7+ Computer animation

1638

Image compression

- Including coding standards, e.g. JPEG

1640

Optical character recognition

1650

Optical pattern recognition

1655

Image stabilization

1660

Integrated optics

Applied optics. Photonics -- Continued

Lasers and laser applications

For application in special fields, see the field, e.g. RE992.P5,
Laser coagulation; TA1540-TA1555, Applied holography;
TJ1191, Laser beam cutting; TK5103.6, Laser
communication systems; TK6592.O6, Optical radar

Cf. QC685+ Laser physics

Cf. TK7871.4 Masers

- 1671 Periodicals, societies, etc.
- 1673 Congresses
- 1674 Directories
- 1675 General works
- 1677 General special
- 1680 Popular works
- 1682 Juvenile works
- 1683 Handbooks, tables, etc.
- 1684 Addresses, essays, lectures
- 1688 Mode-locked lasers
- 1690 Chemical lasers. Dye lasers
- 1693 Free electron lasers
- 1694 Gamma ray lasers
- 1695 Gas lasers
- 1695.5 High power lasers
- 1696 Infrared and far infrared lasers
- 1700 Semiconductor lasers
- 1705 Solid-state lasers (Ruby, etc.)
- 1706 Tunable lasers
- 1707 X-ray lasers
- 1715 Laser ablation
- Applied electrooptics. Electrooptical devices. Optoelectronics
- For specific optoelectronic devices see TK8300+
- Cf. QC673+ Electrooptics
- 1750 General works
- Electroluminescent devices see TK7871.68+
- Photoelectronic devices see TK8300+
- 1770 Applied acoustooptics. Acoustooptical devices
- 1773 Applied neutron optics. Neutron optical devices
- 1775 Applied X-ray optics
- Applied fiber optics
- Cf. QC447.9+ Fiber optics (Physics)
- 1800 General works
- 1815 Optical fiber detectors
- 1820 Stroboscopy
- Plasma engineering. Applied plasma dynamics
- Class applications in a special field with the field
- 2001 Periodicals, societies, yearbooks, etc.

TA

ENGINEERING (GENERAL). CIVIL ENGINEERING
(GENERAL)

TA

- 2005 Plasma engineering. Applied plasma dynamics -- Continued
- 2020 Congresses
- 2030 General works
- 2030 Plasma devices (General)
 - Cf. TK2970 Magnetohydrodynamic generators
 - Cf. TL783.6 Plasma rockets
- 2040 Magnetohydrodynamics. Magnetohydrodynamic devices
 - Cf. TK2970 Magnetohydrodynamic generators

| | |
|---------|---|
| | Hydraulic engineering |
| | For municipal water supply see TD201+ |
| | For hydraulic machinery see TJ840.A2+ |
| 1 | Periodicals, societies, etc. |
| 5 | Congresses |
| | Exhibitions. Museums |
| 6.A1 | General works |
| 6.A2-Z | By region or country, A-Z |
| | Subarrange each country by Table T4b |
| 7 | Collected works (nonserial) |
| 9 | Dictionaries and encyclopedias |
| 12 | Directories |
| | History and description |
| 15 | General works |
| 16 | Ancient |
| 17 | Medieval |
| 18 | Modern |
| 19 | 19th century |
| 20 | 20th century |
| 21-127 | Country divisions (General hydraulic works) (Table T1a) |
| | Add country number in table to TC0 |
| | Biography |
| 139 | Collective |
| 140.A-Z | Individual, A-Z |
| | e.g. |
| 140.K5 | Klír, Antonín |
| | General works |
| 144 | Early to 1800 |
| 145 | 1800- |
| 146 | Juvenile works |
| 147 | Waterpower engineering. Hydraulic powerplants |
| | Including use of tidal power |
| | For power utilization of specific rivers see TC415+ |
| | Cf. TJ840.A2+ Hydraulic machinery |
| | Cf. TK1081+ Hydroelectric power production |
| | Cf. TK1421+ Hydroelectric powerplants |
| 151 | Pocketbooks, tables, etc. |
| 153 | General special |
| 155 | Addresses, essays, lectures |
| | Study and teaching |
| 157 | General works |
| 157.5 | Problems, exercises, etc. |
| 157.8 | Electronic data processing |
| 158 | Hydraulic laboratories |
| 159 | Safety measures |
| | Technical hydraulics |
| 160 | General works |

Technical hydraulics -- Continued

| | |
|-------|--|
| 163 | General special |
| 163.5 | Environmental hydraulics |
| | Hydraulic models |
| 164 | General works |
| 164.6 | Movable bed models |
| | Hydrostatics (Water at rest) |
| 165 | General works |
| 167 | Dams, reservoirs |
| 169 | Gates, sluices, etc. |
| | Hydrodynamics (Water in motion) |
| 171 | General works |
| 171.5 | Water tunnels |
| 172 | Water waves |
| 173 | Orifices. Nozzles. Jets |
| | Cf. TH9323 Fire streams |
| | Cf. TP156.S6 Spraying |
| | Cf. TP159.A85 Atomizers |
| 174 | Pipes and conduits |
| | Including water hammer |
| | Open channels, rivers, and canals. Sluices, flumes, weirs. |
| | Stream gauging |
| 175 | General works |
| 175.2 | Sediment transport |
| | For sediment transport of specific rivers, etc., see TC421+ |
| 176 | Underground flow |
| 177 | Hydraulic measurements. Hydraulic instruments, meters, registers, etc. |
| | Cf. TD499+ Domestic meters |
| 179 | Tables, diagrams, etc. |
| 180 | Hydraulic structures |
| | Cf. TA654.55 Water wave loads |
| 181 | Earthquakes and hydraulic structures |
| | General preliminary operations |
| 183 | General works |
| | Diving see VM975+ |
| | Dredging |
| 187 | General works |
| 188 | Dredges |
| | Submarine blasting |
| 191 | General works |
| 192 | Hell Gate |
| 193 | Submarine drilling |
| | Cf. TN871.3 Petroleum well drilling |
| | Submarine building |
| 195 | General works |

- General preliminary operations
- Submarine building -- Continued
- 197 Submarine foundations. Cribwork, etc.
For bridge pier foundations see TG320
- 198 Cofferdams
- 199 Caissons
- 200 Deterioration of structures exposed to sea water
Including corrosion
- 201 Control of organisms injurious to submerged structures
Cf. QH91.8.M3 Marine biology
Cf. TA422+ Wood
- Harbors and coast protective works. Coastal engineering
- 203 Periodicals. Societies. Yearbooks
- 203.5 Congresses
- 203.7 Dictionaries and encyclopedias
- General works
- 204 Early to 1800
- 205 1800-
- 209 General special
- 215-327 History and country divisions (Table T1)
Add country number in table to TC200
Class here special harbors, inlets, channels, etc.
- 328 Marinas
- Coast protective works
- For local see TC215+
- 330 General works
- 332 Beach nourishment
- 333 Breakwaters
- 335 Seawalls
- 337 Dikes, levees, embankments
For river levees see TC533
For canal embankments see TC759+
- 339 Dunes (as defense works)
- 339.8 Sand bypassing
- 340 Tree planting
- Reclamation and preservation of land from the sea. Polders
Cf. TC970+ Land drainage and reclamation of bogs,
swamps, and lakes
- 343 General works
- 345.A-Z By region or country, A-Z
- Harbor engineering
- Cf. HE550+ Economic aspects
- Cf. SH337.5 Fishing port facilities
- 352 Approach channels
- 353 Sea locks
- 355 Docks
- 357 Piers, quays, and wharves

- Harbor engineering -- Continued
- 361 Drydocks
- 363 Floating harbors
Including floating docks, piers, etc.
- 365 Other special docks
- 370 Mechanical equipment of docks for cargo handling, etc.
Including cranes
For cargo handling, etc. see VK235
- 373 General special
Including mooring berths, fenders
- Lighthouses (Construction and equipment)
- 375 General works
- 377 Lights, lamps, etc.
- 379 Lenses
- 380 Buoys
- River, lake, and water-supply engineering (General)
Class here development of the water resources of a watershed
Cf. TD201+ Municipal water supply
- 401 Periodicals, societies, congresses, etc.
- 403 Dictionaries and encyclopedias
- General works
- 404 Early to 1800
- 405 1800-
- 406 Popular works
- 407 Pocketbooks, tables, etc.
- 409 General special
Including estimation of value, simulation methods, watershed management
- 411 Addresses, essays, lectures
- 415-527 History and country divisions (Table T1 modified)
Add country number in table to TC400
Class here special rivers and lakes
Cf. GB1201+ Physical geography of rivers
Cf. HE380.8+ Economic aspects of waterways
- Special countries
- America
- North America
- United States
- 423 General works
- 423.3 Great Lakes
Including diversion of water from Lake Michigan
- Mississippi River
The detailed arrangement for Mississippi River
should not be used for other rivers
- 425.M6 General works
- 425.M61 Conventions
Arrange by date

River, lake, and water-supply engineering (General)

History and country divisions

Special countries

America

North America

United States

Mississippi River -- Continued

425.M62

Levees

425.M63A-.M63W

Levees of special states, A-W

425.M65

Jetties

425.M66A-.M66W

Special states, A-W

425.M67A-.M67Z

Special cities, A-Z

e.g.

425.M67M5

Memphis

Rivers of Canada

426

General works

426.5.A-Z

Provinces, A-Z

427.A-Z

Special rivers and lakes, A-Z

e.g.

427.S3

St. Lawrence River

Europe

Rivers of Great Britain

457

General works

464.A-Z

Special rivers and lakes, A-Z

e.g.

464.T4

Thames

Rivers of Austria

465

General works

465.2.A-Z

Special rivers and lakes, A-Z

e.g.

465.2.D2

Danube

Rivers of France

471

General works

472.A-Z

Special rivers and lakes, A-Z

e.g.

472.S4

Seine

Asia

South Asia

Rivers of India

503

General works

503.5.A-Z

Provinces, etc., A-Z

504.A-Z

Special rivers and lakes, A-Z

e.g.

504.I4

Indus River

Rivers of Japan

505

General works

505.5.A-Z

Prefectures, etc., A-Z

- River, lake, and water-supply engineering (General)
 History and country divisions
 Special countries
 Asia
 Rivers of Japan -- Continued
 Special rivers and lakes, A-Z
- 506.A-Z
 529 Stream channelization. Channel improvement
 River protective works. Regulation. Flood control
 For local see TC415+
 Cf. HD1675+ Economic aspects
- 530 General works
 531 Flood control channels
 533 Levees
 535 Jetties
 537 Tree planting. Streambank planting
- Dams. Barrages
- 540 General works
 Damsite selection
- 542 Dam geology
 For the geology of damsites of special areas see
 TC556+
- 542.5 Earthquakes and dams
 Dam types
- 543 Earthen dams
 545 Wooden dams
 547 Masonry dams. Concrete dams
 549 Other (not A-Z)
 Including steel, movable, beartrap, needle
- 550 Dam safety
 For local see TC556+
- 550.2 Dam failures
 For local see TC556+
- 553 Sluices and gates
 554 Trashracks
 555 Wasteways, spillways, weirs, etc.
- Special countries
 United States
- 556 General works
 556.5.A-Z By region, A-Z
 557.A-.W By state, A-W
Under each:
 .x *General works*
 .x2A-.x2Z *Special dams, A-Z*
 e.g.
 California
- 557.C2 General works

- Dams. Barrages
 Special countries
 United States
 By state, A-W
 California -- Continued
 557.C3A-.C3Z Special dams, A-Z
 e.g.
 557.C3C2 Cachuma Dam
 557.3.A-Z By river, A-Z
 Class here only rivers located in two or more states
 e.g.
 557.3.P6 Potomac River
 557.5.A-Z Other special dams, A-Z
 Class here only dams located in two states
 e.g.
 557.5.H6 Hoover Dam
 558.A-Z Other regions or countries, A-Z
Under each (unless otherwise specified):
 .x General works
 .x2A-.x2Z Special dams, A-Z
 e.g.
 China
 558.C5 General works
 558.C52A-.C52Z Special dams, A-Z
 e.g.
 558.C52S26 San Xia Dam. Three Gorges Dam
 Three Gorges Dam see TC558.C52S26
 Egypt
 558.E4 General works
 558.E5A-.E5Z Special dams, A-Z
 e.g.
 558.E5A8 Aswan High Dam
 Canals and inland navigation. Waterways
 Cf. HE380.8+ Economic aspects
 Cf. TC930 Irrigation canals
 601 Periodicals, societies, etc.
 605 Congresses
 607 Collected works (nonserial)
 615-727 History and country divisions (Table T1 modified)
 Add country number in table to TC600
 Class here special canals and locks
 Special countries
 America
 North America
 United States
 623 Canals (General)
 623.1 Great Lakes to Atlantic

- Canals and inland navigation. Waterways
 History and country divisions
 Special countries
 America
 North America
 United States -- Continued
 623.2 Great Lakes to Gulf of Mexico
 623.3 Mississippi to Atlantic
 Intracoastal waterways
 623.4 Atlantic
 623.5 Gulf of Mexico
 623.7 Miscellaneous general projects
 624.A-W Special states, A-W
 625.A-Z Special canals and locks, A-Z
 Under each:
 .xA1-.xA3 *Serial documents*
 .xA5 *Special documents, by date*
 .xA6-.xZ *General works*
 e.g.
 625.E6 Erie Canal
 625.M6 Middlesex Canal
 Isthmian canals see TC773+
 Europe
 655 General works
 656.A-Z Special projects, A-Z
 e.g.
 656.R5 Rhine-Main-Danube Waterway
 Great Britain. England
 664.A-Z Cities (or other special), A-Z
 e.g.
 664.M2 Manchester Ship Canal
 Balkan Peninsula
 695.B2 General works
 695.B23A-.B23Z Special projects, A-Z
 e.g.
 695.B23D3 Danube-Aegean project
 Africa
 Egypt
 718.A-Z Local or special, A-Z
 Suez Canal see TC791
 General works
 744 Early to 1800
 745 1800-
 751 Pocketbooks, tables, etc.
 753 General special
 755 Addresses, essays, lectures
 Special aspects

Canals and inland navigation. Waterways

Special aspects -- Continued

- 759 Canal embankments
- 761 Canal locks
For special locks see TC615+
- 762 Canal gates
Including operating devices
- 763 Lifts and inclines
- 764 Canal aqueducts
- 765 Canalboats
- 766 Resistance of water
Motive power. Towing
- 767 General works
- 769 Mechanical and electrical
- 770 Ship canals (General)
For economic studies, traffic statistics, etc. see
HE380.8+
- Ship and boat railways
- 771 General works
- 772 Special (except Tehuantepec)
Tehuantepec Ship Railway see TC786
- Isthmian canal projects (General)
- 773 General works
- Panama Canal
- 774 General works
For economic aspects see HE537+
- 777 Operation of the canal
Cf. HE538.A1+ Administration of the canal
- 777.5 Miscellaneous uncataloged matter
Compagnie universelle du canal interocéanique de
Panama
- 778 General works
- 778.B9 Bulletin du canal interocéanique
(778.1) Annual report of directors
see HE537.33
- 778.2 Annual report of chief engineer
- 778.3 Other serial reports
- 778.5 Special reports. By date
(778.7) Charter, bylaws
see HE537.37
- 778.8 Other printed matter
Compagnie nouvelle du canal de Panama
- 779 General works
- 779.B9 Bulletin
(779.1) Annual report of directors
see HE537.43+
- 779.2 Annual report of chief engineer

Canals and inland navigation. Waterways

Isthmian canal projects (General)

Panama Canal

Compagnie nouvelle du canal de Panama -- Continued

779.3

Other serial reports

779.5

Special reports. By date

(779.7)

Charter, bylaws

see HE537.47

779.8

Other printed matter

780

The "Panama affair" and history of the companies

Panama Exposition

Preliminary

United States

781.A1-.A3

Documents

781.A4A-.A4W

States, A-W

781.A5A-.A5Z

Cities, A-Z

781.A6A-.A6Z

Other regions or countries, A-Z

781.A7

Nonofficial. By author

The Exposition

781.A8

Official guides

Histories and descriptions

781.B1

General works

781.B2

General special

781.C1

Collections of pictures, views, etc.

Official publications

Acts of incorporation, rules, organization, etc.

781.D1

General works

781.D13

Translations of acts

Rules, regulations, etc.

781.D15

General works

781.D17

Translations of rules, regulations, etc.

781.D2

General reports, proceedings, etc., of governing board

781.D25

Reports of national (government) commission

781.D3

General reports of special boards, commissions, etc.

781.D4

Congressional hearings and reports of national government on appropriations, etc. By date

781.D5

Special reports. By date

General catalogs

781.D6

Official. By date

781.D7

Nonofficial

Subarranged by author

781.D8

Reports and awards of jurors

781.D9

Miscellaneous printed matter

781.E1

Official comprehensive reports on the exhibits by editorial commissions, etc. By date

- Irrigation engineering. Reclamation of wasteland -- Continued
- 809 General special
- 812 Management of irrigation projects
- 815-927 History and country divisions (Table T1 modified)
 Add country number in table to TC800
 Special countries
 Asia
 South Asia
 India
- 903 General works
- 904.4.A-Z Special projects, A-Z
- 904.4.G2 Ganges Canal
- (927) Irrigation by pumping
 see TC929
- Biography
- 928 Collective
- 928.2.A-Z Individual, A-Z
- 929 Irrigation pumps
- 930 Irrigation canals
- 933 Irrigation flumes and conduits
- 937 Gates and other incidental structures
- Flooding of deserts and wastelands
- 950 General works
 Special
- 953 United States
- 955 Sahara
- 957.A-Z Other, A-Z
- Drainage
 Cf. HD1681+ Economics, public policy, etc.
 Cf. S621 Farmers' manuals
- 970 General works
- 973 Relief wells
- 974 Wellpoint system
- 974.2 Vertical drains
- 975 Reclamation of bogs, swamps, lakes, etc.
 Cf. TC343+ Reclamation of land from the sea
- Country divisions
 United States
- 976 General works
- 977.A-Z Regions or states, A-Z
- 978.A-Z Other regions or countries, A-Z
 Subarrange each country by Table T4a

TC

OCEAN ENGINEERING

TC

- Ocean engineering
 - Cf. GC1000+ Marine resources
 - Cf. TN291.5 Ocean mining
- 1501 Periodicals, societies, etc.
- 1505 Congresses
- 1550 Directories
- 1645 General works
- 1650 General special
- 1655 Study and teaching
- 1657 Electricity in ocean engineering
- 1660 Patents
- 1662 Remotely operated vehicles
- Offshore structures
 - 1665 General works
 - 1670 Corrosion
 - 1680 Models
 - Compliant platforms
 - 1700 General works
 - 1702 Semi-submersible offshore structures
 - 1703 Tension leg platforms
- 1800 Underwater pipelines

Environmental technology. Sanitary engineering

Including the promotion and conservation of the public health,
comfort, and convenience by the control of the environment

Cf. GE170+ Environmental policy

Cf. GF51 Human beings and the environment

Cf. RA565+ Environmental health

Cf. TH6014+ Environmental engineering in buildings

Periodicals and societies. By language of publication

1 English

2 French

3 German

4 Other languages (not A-Z)

5 Congresses

Exhibitions. Museums

6.A1 General works

6.A2-Z By region or country, A-Z

Subarrange each country by Table T4b

7 Collected works (nonserial)

9 Dictionaries and encyclopedias

12 Directories

History

15 General works

16 Ancient

17 Medieval

18 Modern to 1800

19 Nineteenth century

20 Twentieth century

Country and city subdivisions

Including municipal reports of public sanitary works

America

21 General works

North America

22 General works

United States

23 General works

23.1 Eastern states. Atlantic coast

23.15 New England

23.2 Appalachian region

23.3 Great Lakes region

23.4 Midwest. Mississippi Valley

23.5 South. Gulf states

23.6 West

23.7 Northwest

23.8 Pacific coast

23.9 Southwest

Country and city subdivisions

America

North America

United States -- Continued

24.A-W

States, A-W

e.g.

24.A4

Alaska

24.H3

Hawaii

25.A-Z

Cities or other special, A-Z

Canada

26.A1

General works

26.A6-Z

Provinces, A-Z

27.A-Z

Local (Cities, etc.), A-Z

27.5

Latin America

Mexico

28.A1

General works

28.A6-Z

States, provinces, etc., A-Z

29.A-Z

Local (Cities, etc.), A-Z

Central America

30

General works

31.A-Z

Special countries, A-Z

South America

34

General works

Argentina

36.A1

General works

36.A6-Z

States, provinces, etc., A-Z

37.A-Z

Local (Cities, etc.), A-Z

Bolivia

38.A1

General works

38.A6-Z

States, provinces, etc., A-Z

39.A-Z

Local (Cities, etc.), A-Z

Brazil

41.A1

General works

41.A6-Z

States, provinces, etc., A-Z

42.A-Z

Local (Cities, etc.), A-Z

Chile

43.A1

General works

43.A6-Z

States, provinces, etc., A-Z

44.A-Z

Local (Cities, etc.), A-Z

Colombia

45.A1

General works

45.A6-Z

States, provinces, etc., A-Z

46.A-Z

Local (Cities, etc.), A-Z

Ecuador

47

Guyana

48

Suriname

49

Country and city subdivisions

America

South America -- Continued

- 50 French Guiana
- 51 Paraguay
- 52 Peru
- 53 Uruguay
- 54 Venezuela

Europe

- 55 General works
- Great Britain. England
- 57 General works
- 58.A-Z English counties or regions, A-Z
- Ireland
- 59 General works
- 59.2 Irish Free State. Ireland (Eire)
- 59.3 Northern Ireland
- 60.A-Z Special counties, A-Z
- Scotland
- 61 General works
- 62.A-Z Special counties, A-Z
- 63 Wales
- 64.A-Z Cities or other special, A-Z

Austria

- 65.A1 General works
- 65.A6-Z States, provinces, etc., A-Z
- 65.2.A-Z Local (Cities, etc.), A-Z

Czechoslovakia

- 65.3.A1 General works
- 65.3.A6-Z States, provinces, etc., A-Z
- 65.4.A-Z Local (Cities, etc.), A-Z

Hungary

- 65.5 General works
- 65.9.A-Z Special counties, A-Z
- 66.A-Z Cities or other special, A-Z

Belgium

- 67.A1 General works
- 67.A6-Z States, provinces, etc., A-Z
- 68.A-Z Local (Cities, etc.), A-Z

Denmark

- 69.A1 General works
- 69.A6-Z States, provinces, etc., A-Z
- 70.A-Z Local (Cities, etc.), A-Z

France

- 71.A1 General works
- 71.A6-Z States, provinces, etc., A-Z

Country and city subdivisions

Europe

France -- Continued

- 72.A-Z Local (Cities, etc.), A-Z
- 72.5 Colonies (Collectively)

Germany

- 73 General works
- 73.1 East Germany. Eastern Germany
- 73.2 Baden-Württemberg
- 73.3 Bavaria
- 73.4 Hesse
- 73.5 Prussia
- 73.6 Saxony
- 73.7 North Rhine-Westphalia
- 73.9.A-Z Other states, A-Z
- 74.A-Z Cities or other special, A-Z
- 74.5 Colonies (Collectively)

Greece

- 75.A1 General works
- 75.A6-Z States, provinces, etc., A-Z
- 76.A-Z Local (Cities, etc.), A-Z

Netherlands

- 77.A1 General works
- 77.A6-Z States, provinces, etc., A-Z
- 78.A-Z Local (Cities, etc.), A-Z

Italy

- 79.A1 General works
- 79.A6-Z States, provinces, etc., A-Z
- 80.A-Z Local (Cities, etc.), A-Z
- 80.5

Malta

Norway

- 81.A1 General works
- 81.A6-Z States, provinces, etc., A-Z
- 82.A-Z Local (Cities, etc.), A-Z

Portugal, Azores, etc.

- 83.A1 General works
- 83.A6-Z States, provinces, etc., A-Z
- 84.A-Z Local (Cities, etc.), A-Z
- 84.5 Colonies (Collectively)

Russia in Europe

- 85.A1 General works
- 85.A6-Z States, provinces, etc., A-Z
- 86.A-Z Local (Cities, etc.), A-Z

Spain

- 87.A1 General works
- 87.A6-Z States, provinces, etc., A-Z

Country and city subdivisions

Europe

Spain -- Continued

88.A-Z Local (Cities, etc.), A-Z

88.5 Scandinavia

Sweden

89.A1 General works

89.A6-Z States, provinces, etc., A-Z

90.A-Z Local (Cities, etc.), A-Z

Switzerland

91.A1 General works

91.A6-Z States, provinces, etc., A-Z

92.A-Z Local (Cities, etc.), A-Z

95.A-Z Other regions and countries, A-Z

95.A2 Balkan Peninsula

95.A38 Albania

95.A44 Alps

95.A48 Andorra

95.B3 Baltic Sea

95.B43 Belarus

95.B45 Benelux countries

95.B9 Bulgaria

95.C37 Carpathian Mountains

95.D35 Danube River

95.F5 Finland

95.I43 Iceland

95.L285 Lapland

95.L37 Latvia

95.L78 Lithuania

95.L9 Luxemburg

95.M4 Mediterranean Region

95.N67 North Sea

95.P7 Poland

95.P75 Pomerania (Poland and Germany)

95.R48 Rhine River

95.R6 Romania

95.S55 Slovenia

95.T48 Thrace

95.U95 Ukraine

95.Y8 Yugoslavia

Asia

99 General works

China

For Hong Kong see TD113.H85

101.A1 General works

101.A6-Z States, provinces, etc., A-Z

Country and city subdivisions

Asia

China -- Continued

102.A-Z Local (Cities, etc.), A-Z

Taiwan

102.5.A1 General works

102.5.A6-Z States, provinces, etc., A-Z

102.6.A-Z Local (Cities, etc.), A-Z

South Asia

102.9 General works

India

103.A1 General works

103.A6-Z States, provinces, etc., A-Z

104.A-Z Local (Cities, etc.), A-Z

Pakistan

104.5.A1 General works

104.5.A6-Z States, provinces, etc., A-Z

104.6.A-Z Local (Cities, etc.), A-Z

Bangladesh

104.65.A1 General works

104.65.A6-Z States, provinces, etc., A-Z

104.66.A-Z Local (Cities, etc.), A-Z

Sri Lanka. Ceylon

104.7.A1 General works

104.7.A6-Z States, provinces, etc., A-Z

104.8.A-Z Local (Cities, etc.), A-Z

Japan

105.A1 General works

105.A6-Z States, provinces, etc., A-Z

106.A-Z Local (Cities, etc.), A-Z

Korea

Including South Korea

106.5.A1 General works

106.5.A6-Z States, provinces, etc., A-Z

106.6.A-Z Local (Cities, etc.), A-Z

North Korea

106.7.A1 General works

106.7.A6-Z States, provinces, etc., A-Z

106.8.A-Z Local (Cities, etc.), A-Z

Iran. Persia

107.A1 General works

107.A6-Z States, provinces, etc., A-Z

108.A-Z Local (Cities, etc.), A-Z

Russia in Asia. Siberia

109.A1 General works

109.A6-Z States, provinces, etc., A-Z

Country and city subdivisions

Asia

- 110.A-Z Russia in Asia. Siberia -- Continued
 - Local (Cities, etc.), A-Z
- 111.A1 Turkey. Asia Minor
 - General works
- 111.A6-Z States, provinces, etc., A-Z
- 112.A-Z Local (Cities, etc.), A-Z
- 113.A-Z Other divisions of Asia, A-Z
 - 113.A3 Afghanistan
 - 113.B54 Borneo
 - 113.B7 Brunei
 - 113.B8 Burma. Myanmar
 - 113.C16 Cambodia
 - 113.C9 Cyprus
 - 113.G39 Gaza Strip
 - 113.H85 Hong Kong
 - 113.I55 Indonesia
 - 113.I7 Iraq
 - 113.I75 Israel
 - 113.J6 Jordan
 - 113.K85 Kuwait
 - 113.L28 Laos
 - 113.L4 Lebanon
 - 113.M2 Macau
 - 113.M318 Malaya
 - 113.M32 Malaysia
 - 113.M45 Mekong River Valley
 - Myanmar see TD113.B8
 - 113.N4 Nepal
 - 113.P6 Philippines
 - 113.Q36 Qatar
 - 113.S33 Saudi Arabia
 - 113.S53 Singapore
 - 113.S6 Southeast Asia
 - 113.S94 Syria
 - 113.T48 Thailand
 - 113.U54 United Arab Emirates
 - 113.V5 Vietnam
 - 113.W48 West Bank
 - 113.Y45 Yemen (People's Democratic Republic)
- 113.5 Middle East
- 114 Arab countries
- 114.5 Islamic countries
- Africa
 - 115 General works

Country and city subdivisions

Africa -- Continued

Egypt

- 117.A1 General works
- 117.A6-Z States, provinces, etc., A-Z
- 118.A-Z Local (Cities, etc.), A-Z
- 119.A-Z Other divisions of Africa, A-Z
- 119.A4 Algeria
- 119.A5 Angola
- 119.B57 Botswana
- 119.B85 Burundi
- 119.C17 Cameroon
- 119.C42 Central Africa
- 119.C43 Central Africa Republic
- 119.C75 Congo (Brazzaville)
- Congo (Democratic Republic) see TD119.Z3
- Côte d'Ivoire see TD119.I9
- 119.D3 Dahomey
- 119.D55 Djibouti
- 119.E18 East Africa
- 119.E19 Eastern Africa
- 119.E8 Ethiopia
- 119.F82 French-speaking Equatorial Africa
- 119.F83 French-speaking West Africa
- 119.G23 Gabon
- 119.G45 Ghana
- 119.G92 Guinea
- 119.G94 Guinea-Bissau
- 119.I9 Ivory Coast. Côte d'Ivoire
- 119.K4 Kenya
- 119.L45 Lesotho
- 119.L49 Liberia
- 119.L74 Libya
- 119.M28 Madagascar
- 119.M3 Malawi
- 119.M34 Mali
- 119.M39 Mauritania
- 119.M6 Morocco
- 119.M85 Mozambique
- Namibia see TD119.S68
- 119.N53 Niger
- 119.N54 Nigeria
- 119.N6 Nile River Valley
- 119.R45 Rhodesia, Southern. Zimbabwe
- 119.R9 Rwanda
- 119.S18 Sahel

Country and city subdivisions

Africa

Other divisions of Africa, A-Z -- Continued

119.S38 Senegal
 119.S5 Sierra Leone
 119.S59 Somalia
 119.S6 South Africa
 119.S64 Southern Africa
 119.S68 Southwest Africa. Namibia
 119.S73 Sub-Saharan Africa
 119.S74 Sudan
 119.S87 Swaziland
 119.T35 Tanzania
 119.T64 Togo
 119.T8 Tunisia
 119.U4 Uganda
 119.U66 Upper Volta
 119.W48 West Africa
 119.Z3 Zaire. Congo (Democratic Republic)
 119.Z34 Zambia
 Zimbabwe see TD119.R45

Indian Ocean islands

120 General works
 120.5.A-Z Special islands, A-Z
 120.5.M38 Mauritius
 120.5.R48 Réunion

Australasia

120.7 General works
 Australia
 121.A1 General works
 121.A6-Z States, provinces, etc., A-Z
 122.A-Z Local (Cities, etc.), A-Z
 New Zealand
 122.5.A1 General works
 122.5.A6-Z States, provinces, etc., A-Z
 122.6.A-Z Local (Cities, etc.), A-Z
 122.7 Papua New Guinea

Pacific islands

123 General works
 124.A-Z By island, A-Z

Arctic regions

125 General works
 125.5 Greenland
 126 Antarctica
 126.5 Tropics
 127 Developing countries

- 139 Biography
 - Collective
- 140.A-Z Individual, A-Z
- General works
- 144 Early to 1850
- 145 1850-
- 146 Elementary textbooks
- 148 Popular works
- 151 Pocketbooks, tables, etc.
- 153 General special
- 155 Addresses, essays, lectures
- 156 Environmental and sanitary engineering as a profession
- Study and teaching
- 157 General works
- 157.15 Problems, exercises, etc.
 - By region or country
 - United States
 - 157.2 General works
 - 157.3.A-Z By region or state, A-Z
 - Subarrange each country by Table T4a
 - 157.4.A-Z Other regions or countries, A-Z
 - Subarrange each country by Table T4a
- 157.5 Research
- 158 Remote sensing
- Municipal engineering
 - Cf. GV421+ Playgrounds
 - Cf. HD7285+ Housing
 - Cf. SB481.A1+ Parks
 - Cf. TE1+ Streets and roads
 - Cf. TH350 Engineering of the subdivision
- 159.A1 Periodicals, societies, congresses, etc.
- 159.A5-Z General works
- 159.3 General special
 - By region or country see TD21+
- 159.5 Department organization and management
 - Planning and laying out cities
 - Cf. HT165.5+ City planning (Urban sociology)
 - Cf. HT170+ Urban renewal
 - Cf. NA9000+ City planning (Architecture)
- 160 General works
- 163 General special
- 167 City surveying
- 168 Underground utility lines
- Environmental protection
 - Cf. GE170+ Environmental policy
- 169 Periodicals, societies, congresses, etc.

Environmental protection -- Continued

- 169.3 Dictionaries and encyclopedias
- 169.5 Information services
- 169.6 Directories
- 170 General works
- 170.15 Juvenile works
- 170.2 General special
- 170.3 Addresses, essays, lectures
- Study and teaching
- 170.6 General works
 - By region or country
 - 170.7 United States
 - 170.8.A-Z Other regions or countries, A-Z
- Research
- 170.9 General works
 - By region or country
 - 170.93 United States
 - 170.94.A-Z Other regions or countries, A-Z
- Special regions or countries
- United States
- 171 General works
 - By region or state, A-Z
 - Subarrange each state by Table T4a
 - 171.5.A-Z Other regions or countries, A-Z
 - Subarrange each country by Table T4a
- 171.7 Citizen participation
- 171.8 Decision making
- 171.9 Environmental geotechnology
- Environmental pollution
 - Including its control
 - Class special types of pollution with the type, e.g. GC1080+
 - Marine pollution; TD196.R3 Radioactive pollution; TD419+
 - Water pollution; TD881+ Air pollution; TD891+ Noise
 - pollution, etc.
 - Cf. SB744.5+ Crops and pollution
- 172 Periodicals, societies, etc.
- 172.5 Congresses
- 173 Dictionaries and encyclopedias
- 173.5 Directories
- 174 General works
- 175 Popular works
- 176 Juvenile works
- 176.4 Pocketbooks, tables, etc.
- 176.7 Addresses, essays, lectures
- 177 General special
- 177.8 Vocational guidance for pollution control personnel

Environmental pollution -- Continued

- Study and teaching
- 178 General works
Special countries
- 178.3 United States
- 178.4.A-Z Other countries, A-Z
- Research
- 178.5 General works
Special countries
- 178.6 United States
- 178.7.A-Z Other countries, A-Z
- Environmental laboratories
- 178.8.A1 General works
- 178.8.A2-Z By region or country, A-Z
Under each country:
- | | |
|-----------|--------------------------------------|
| .x | <i>General works</i> |
| .x2A-.x2Z | <i>By state, province, etc., A-Z</i> |
| .x3A-.x3Z | <i>Special. By city, A-Z</i> |
- 179 History
- Special countries
- North America
- 179.5 General works
United States
- 180 General works
- 181.A-Z By region or state, A-Z
Subarrange each country by Table T4a
- Canada
- 182 General works
- 182.4.A-Z By region or province, A-Z
Subarrange each province by Table T4a
- Mexico
- 182.6 General works
- 182.7.A-Z By region or state, A-Z
Subarrange each state by Table T4a
- Central America
- 183 General works
- 183.5.A-Z By country, A-Z
Subarrange each country by Table T4a
- West Indies
- 184 General works
- 184.5.A-Z By country, A-Z
Subarrange each country by Table T4a
- South America
- 185 General works
- 185.5.A-Z By country, A-Z
Subarrange each country by Table T4a

Environmental pollution

Special countries -- Continued

Europe

- 186 General works
186.5.A-Z By country, A-Z
Subarrange each country by Table T4a

Asia

- 187 General works
187.5.A-Z By country, A-Z
Subarrange each country by Table T4a

Africa

- 188 General works
188.5.A-Z By country, A-Z
Subarrange each country by Table T4a

Oceania

- 189 General works
189.5.A-Z By country, A-Z
Subarrange each country by Table T4a

e.g.

- 189.5.A8 Australia (Table T4a)
189.5.N4 New Zealand (Table T4a)

Polar regions

- 190 General works
190.5 Arctic regions
190.7 Antarctica
191

Developing countries

Pollution control methods

- 191.5 General works
192 Equipment and supplies
Special methods

Chemical treatment

- 192.2 General works
192.3 Catalysis
192.4 Lime treatment
192.45 Oxidation

Biological treatment. Bioremediation

- 192.5 General works
192.6 Fertilization
192.7 Seeding
192.72 Fungal remediation
192.75 Phytoremediation
192.8 In situ remediation

Measurement of pollution. Sampling and analysis.

Environmental chemistry

For measurement or analysis of specific pollutants see
TD196.A+

- Environmental pollution
 - Measurement of pollution. Sampling and analysis.
 - Environmental chemistry -- Continued
- 193
 - General works
- (193.2)
 - Environmental indicators
 - see GE140+
- 193.3
 - Cross-media pollution
- 193.4
 - Environmental forensics
- 193.5
 - Risk assessment
 - Cf. GE145+ Environmental risk assessment
- Environmental effects of industries and plants
 - Cf. HD30.255 Environmental aspects of industrial management
 - Cf. TD419+ Water pollution
 - Cf. TD881+ Air pollution
 - Cf. TD891+ Noise pollution
 - Cf. TD896+ Industry and factory wastes
- 194
 - General works
- 194.4
 - General special
- Environmental impact statements
 - 194.5
 - General works
 - By region or country
 - United States
 - 194.55
 - General works
 - 194.56.A-Z
 - By region or state, A-Z
 - Subarrange each state by Table T4a
 - 194.58.A-Z
 - Other regions or countries, A-Z
 - Subarrange each country by Table T4a
 - Environmental impact analysis
 - 194.6
 - General works
 - 194.64
 - Study and teaching
 - By region or country
 - United States
 - 194.65
 - General works
 - 194.66.A-Z
 - By region or state, A-Z
 - Subarrange each state by Table T4a
 - 194.68.A-Z
 - Other regions or countries, A-Z
 - Subarrange each country by Table T4a
 - Environmental auditing
 - 194.7
 - General works
 - Environmental reporting
 - 194.8
 - General works
 - 194.83.A-Z
 - By region or country, A-Z
 - Special industries, facilities, activities, etc., A-Z
 - 195.A-Z
 - Aeronautics
 - 195.A27
 - Including air transportation

Environmental effects of industries and plants

Special industries, facilities, activities, etc., A-Z -- Continued

- 195.A33 Aggregate industry
- 195.A34 Agriculture
Class here works on agricultural pollution, i.e. agriculture as a source of pollution
Cf. S589.7 Agricultural ecology
Cf. S589.75+ Agriculture and the environment
Cf. TD930+ Agricultural wastes
- 195.A36 Airports
- 195.A37 Aluminum industry. Bauxite industry
- 195.A44 Ammonia industry
- 195.A75 Armed Forces
- Atomic power plants see TD195.E4
- 195.B34 Ballistic missile defenses
Bauxite industry see TD195.A37
- 195.B56 Biomass energy
- 195.B58 Biotechnology
- 195.B63 Boats and boating
- 195.B74 Bridges
- 195.B84 Building materials industry
- 195.C42 Ceramic industries
- 195.C45 Chemical plants
- 195.C47 Church facilities
- 195.C54 Civil engineering
- 195.C58 Coal industry
- 195.C59 Cobalt mines and mining
- 195.C6 Cooling towers
- 195.D35 Dams
- 195.D5 Diamond mines and mining
- 195.D53 Diaper industry
- 195.D72 Dredging
- 195.D78 Drug factories
- 195.E25 Economic development
- 195.E37 Electric lines. Telecommunication lines
- 195.E4 Electric power plants
Cf. SH173 Effect on fish culture
- 195.E43 Electrochemistry, Industrial
- 195.E45 Electroplating
- 195.E49 Energy development
- 195.E5 Energy facilities
- 195.F46 Fertilizer industry
- 195.F52 Fishery processing industries
- 195.F57 Food industry
- Forestry see SD387.E58
- 195.F6 Foundries

Environmental effects of industries and plants

Special industries, facilities, activities, etc., A-Z -- Continued

| | |
|---------|-------------------------------------|
| 195.G3 | Gas industry |
| 195.G46 | Geothermal power plants |
| 195.G57 | Glass manufacture |
| 195.G64 | Gold industry |
| 195.G66 | Golf courses |
| 195.H39 | Hazardous waste management industry |
| 195.H54 | High technology industries |
| 195.H66 | Hospitals |
| 195.H67 | Hotels |
| 195.H93 | Hydraulic engineering |
| 195.I52 | Incineration |
| 195.I54 | Industrial districts |
| 195.I76 | Ironworks |
| 195.L4 | Leather industry |
| 195.L53 | Lignite industry |
| 195.L55 | Limestone industry |
| 195.M33 | Magnesium industry and trade |
| 195.M37 | Marinas |
| 195.M39 | Marine terminals |
| 195.M42 | Metalworking industries |
| 195.M45 | Military aeronautics |
| 195.M48 | Mine subsidences |
| 195.M5 | Mineral industries |
| 195.M67 | Motorsports |
| 195.N47 | New towns |
| 195.N65 | Nonferrous metal industries |
| 195.N83 | Nuclear facilities (General) |
| | Cf. TD195.E4 Electric power plants |
| | Nuclear power plants see TD195.E4 |
| 195.N85 | Nuclear weapons plants |
| 195.O25 | Ocean mining |
| 195.O4 | Oil-shale industry |
| 195.P26 | Package goods industry |
| 195.P35 | Paint industry |
| 195.P36 | Palm oil industry |
| 195.P37 | Paper and pulp mills |
| 195.P38 | Peat mining |
| 195.P39 | Petrochemicals industry |
| 195.P4 | Petroleum industry |
| | Cf. TD427.P4 Water pollution |
| | Cf. TD888.P4 Air pollution |
| 195.P46 | Phosphate mines and mining |
| 195.P47 | Phosphatic fertilizer industry |
| 195.P5 | Pipelines |

Environmental effects of industries and plants

Special industries, facilities, activities, etc., A-Z -- Continued

- 195.P52 Plastics industry
 Power resource development see TD195.E49
- 195.P7 Printing industry
- 195.P76 Proving grounds
- 195.P83 Public utilities
- 195.Q3 Quarries and quarrying
- 195.R33 Railroads
- 195.R34 Rainmaking
- 195.R4 Reactor fuel reprocessing plants
- 195.R45 Research natural areas
- 195.R47 Reservoirs
- 195.R49 Resource recovery facilities
- 195.R53 Rifle ranges
- 195.R63 Roads
- 195.S26 Salt mines and mining
- 195.S3 Sand and gravel industry
- 195.S36 Scrap metal industry
- 195.S47 Sewage disposal plants
- 195.S52 Shopping centers
- 195.S54 Silicon industry
- 195.S57 Ski resorts
- 195.S64 Solar energy
- 195.S65 Spillways
- 195.S7 Steelworks
- 195.S75 Strip mining
 Cf. QH545.S84 Ecology
- 195.S9 Subways
- 195.S93 Sugar cane industry
- 195.S95 Synthetic fuels industry
- 195.T35 Tanneries
- Telecommunication lines see TD195.E37
- 195.T48 Textile industry
- 195.T56 Tin mines and mining
- 195.T68 Tourist trade
- 195.T7 Transportation
 Cf. TD195.R63 Roads
 Cf. TD195.S9 Subways
- 195.U7 Uranium industry
- 195.W29 War
- 195.W295 Waste disposal sites
- 195.W3 Water-supply engineering
- 195.W54 Wind power industry
- 195.W6 Wood-using industries
- Special environmental pollutants

- Special environmental pollutants -- Continued
 Acid precipitation. Acid rain. Acid deposition
 Cf. QC926.5+ Meteorological aspects
- 195.4 Periodicals, societies, congresses, etc.
 195.42 General works
 195.44 Juvenile works
 195.46 Handbooks, manuals, etc.
 By region or country
 United States
 195.5 General works
 195.52.A-Z By region or state, A-Z
 Subarrange each state by Table T4a
 195.54.A-Z Other regions or countries, A-Z
 Subarrange each country by Table T4a
 195.56.A-Z Special topics, A-Z
 For local see TD195.5+
 195.56.E35 Economic aspects
- 196.A-Z Other environmental pollutants, A-Z
 196.A2 Acetates
 196.A22 Acetic acid
 196.A34 Agricultural chemicals
 196.A75 Aromatic compounds
 196.A77 Arsenic
 196.A78 Asbestos
 196.B38 Benzene
 196.B4 Benzpyrene
 196.B85 Building materials
 196.C28 Cadmium
 Calcium oxide see TD196.L55
 196.C33 Carboic acid
 196.C45 Chemicals
 196.C5 Chlorine compounds
 196.C53 Chromium
 196.C63 Coal
 196.C93 Cyanides
 196.C95 Cyclohexane
 196.D48 Detergents
 Cf. RA1242.D4 Toxicology of detergents
 Cf. TD427.D4 Detergent pollution of water
 196.D56 Dioxins
 196.D78 Drugs
 196.E86 Ethylene oxide
 196.F47 Fertilizers
 196.F54 Fluorine compounds
 196.F55 Fluorocarbons
 Cf. TD887.F67 Fluorocarbon pollution of air

Special environmental pollutants

Other environmental pollutants, A-Z -- Continued

| | |
|---------|--|
| 196.F65 | Formaldehyde |
| 196.F67 | Fossil fuels Cf. TD887.F69 Fossil fuel pollution of air |
| 196.F85 | Fumigants |
| 196.H35 | Halogen organic compounds |
| 196.H4 | Heat Cf. TD427.H4 Heat pollution of water |
| 196.H43 | Heavy elements |
| | Heavy metals see TD196.M4 |
| 196.H47 | Herbicides |
| 196.H94 | Hypochlorites |
| 196.L4 | Lead |
| 196.L55 | Lime |
| 196.M38 | Mercury Cf. TD427.M4 Mercury pollution of water Cf. TD887.M37 Mercury pollution of air |
| 196.M4 | Metals. Heavy metals Cf. TD427.M44 Heavy metal pollution of water |
| 196.M48 | Methoxychlor |
| 196.N36 | Nanoparticles. Nanostructured materials |
| 196.N48 | Nickel |
| 196.N55 | Nitrogen and nitrogen compounds |
| 196.O73 | Organic compounds |
| 196.O75 | Organolead compounds |
| 196.O76 | Organometallic compounds |
| 196.O95 | Oxidizing agents |
| 196.P28 | Palladium |
| 196.P36 | Peroxyacetyl nitrate |
| 196.P38 | Pesticides Cf. QH545.P4 Effect on plants and animals |
| 196.P4 | Petroleum Cf. TD427.P4 Petroleum pollution of water Cf. TD879.P4 Petroleum pollution of soil |
| 196.P45 | Phosphates |
| 196.P46 | Phosphogypsum |
| 196.P47 | Phthalate esters |
| 196.P5 | Plastics Cf. TD798 Plastic waste |
| 196.P53 | Platinum group |
| 196.P65 | Polychlorinated biphenyls |
| 196.P67 | Polyethylene glycols |

Special environmental pollutants

Other environmental pollutants, A-Z -- Continued

196.R3

Radioactive pollution

Cf. TD427.R3 Radioactive pollution of water

Cf. TD812+ Municipal radioactive wastes

Cf. TD879.R34 Radioactive pollution of soils

Cf. TD887.R3 Radioactive substances in air

Cf. TD898 Radioactive substances in air

196.R33

Radon

196.S48

Silver

196.S52

Sodium hydroxide

196.S54

Solvents

196.S56

Soot

196.S95

Sulfur

196.T45

Thallium

196.T7

Trace elements

196.T74

Tritium

196.U73

Urea

196.V35

Vanadium

196.W66

Wood waste

196.Z56

Zinc

Water supply for domestic and industrial purposes

Class here works on the supplying of usable water to consumers, including works on the water-supply systems and available resources of specific localities and works dealing with both water supply and sewerage

For water supply in specific industries, see the industry, e.g.

TS1116.2 Paper industry

For works describing the hydrology of a region without regard to development see GB651+

For water supply and public health see RA591+

For general works on water-supply engineering (including the design and construction of works to procure water), as well as works on the development of the water resources of a watershed see TC401+

For rural water supply see TD927

Periodicals. Societies. Congresses. By language of publication

201

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204

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208

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Communication of water supply information

209

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211

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Water supply for domestic and industrial purposes -- Continued

History

- 215 General works
- 216 Ancient
- 217 Medieval
- 218 Modern
- 219 Nineteenth century
- 220 Twentieth century
- 220.2 Twenty-first century
- Country subdivisions
 - Including all local or departmental reports
 - America
 - 221 General works
 - North America
 - 222 General works
 - United States
 - 223 General works
 - 223.1 Eastern states. Atlantic coast
 - 223.13 Northeastern states
 - 223.15 New England
 - 223.17 Middle Atlantic states
 - Including the Chesapeake Bay region
 - 223.2 Appalachian region
 - 223.3 Great Lakes region
 - 223.4 Midwest. Mississippi Valley
 - 223.5 South. Gulf states
 - 223.6 West
 - 223.7 Northwest
 - 223.8 Pacific coast
 - 223.9 Southwest
 - 224.A-.W States, A-W
 - e.g.
 - 224.A4 Alaska
 - 224.H3 Hawaii
 - 225.A-Z Cities or other special, A-Z
 - Canada
 - 226 General works
 - 227.A-Z Provinces (or other special), A-Z
 - Latin America
 - Mexico
 - 228.A1 General works
 - 228.A6-Z States, provinces, etc., A-Z
 - 229.A-Z Local (Cities, etc.), A-Z
 - Central America
 - 230 General works
 - 231.A-Z Special countries, A-Z

Water supply for domestic and industrial purposes

Country and city subdivisions

America -- Continued

West Indies

- 232 General works
- 233.A-Z Special islands, A-Z

South America

- 234 General works
- Argentina
- 236.A1 General works
- 236.A6-Z States, provinces, etc., A-Z
- 237.A-Z Local (Cities, etc.), A-Z

Bolivia

- 238.A1 General works
- 238.A6-Z States, provinces, etc., A-Z
- 239.A-Z Local (Cities, etc.), A-Z

Brazil

- 241.A1 General works
- 241.A6-Z States, provinces, etc., A-Z
- 242.A-Z Local (Cities, etc.), A-Z

Chile

- 243.A1 General works
- 243.A6-Z States, provinces, etc., A-Z
- 244.A-Z Local (Cities, etc.), A-Z

Colombia

- 245.A1 General works
- 245.A6-Z States, provinces, etc., A-Z
- 246.A-Z Local (Cities, etc.), A-Z

- 247 Ecuador
- 248 Guyana
- 249 Suriname
- 250 French Guiana
- 251 Paraguay
- 252 Peru
- 253 Uruguay
- 254 Venezuela

Europe

- 255 General works
- Great Britain. England
- 257 General works
- 258.A-Z English counties or regions, A-Z
- Ireland
- 259 General works
- 259.2 Irish Free State. Ireland (Eire)
- 259.3 Northern Ireland
- 260.A-Z Special counties, A-Z

Water supply for domestic and industrial purposes
Country and city subdivisions

Europe

Great Britain. England -- Continued

Scotland

- 261 General works
- 262.A-Z Special counties, A-Z
- 263 Wales
- 264.A-Z Cities or other special, A-Z

Austria

- 265.A1 General works
- 265.A6-Z States, provinces, etc., A-Z
- 265.2.A-Z Local (Cities, etc.), A-Z

Czechoslovakia

- 265.3.A1 General works
- 265.3.A6-Z States, provinces, etc., A-Z
- 265.4.A-Z Local (Cities, etc.), A-Z

Hungary

- 265.5 General works
- 265.9.A-Z Special counties, A-Z
- 266.A-Z Cities or other special, A-Z

Belgium

- 267.A1 General works
- 267.A6-Z States, provinces, etc., A-Z
- 268.A-Z Local (Cities, etc.), A-Z

Denmark

- 269.A1 General works
- 269.A6-Z States, provinces, etc., A-Z
- 270.A-Z Local (Cities, etc.), A-Z

France

- 271.A1 General works
- 271.A6-Z States, provinces, etc., A-Z
- 272.A-Z Local (Cities, etc.), A-Z
- 272.5 Colonies (Collectively)

Germany

- 273 General works
- 273.1 East Germany. Eastern Germany
- 273.2 Baden-Württemberg
- 273.3 Bavaria
- 273.4 Hesse
- 273.5 Prussia
- 273.6 Saxony
- 273.7 North Rhine-Westphalia
- 273.9.A-Z Other states, A-Z
- 274.A-Z Cities or other special, A-Z
- 274.5 Colonies (Collectively)

Water supply for domestic and industrial purposes

Country and city subdivisions

Europe -- Continued

Greece

- 275.A1 General works
- 275.A6-Z States, provinces, etc., A-Z
- 276.A-Z Local (Cities, etc.), A-Z

Netherlands

- 277.A1 General works
- 277.A6-Z States, provinces, etc., A-Z
- 278.A-Z Local (Cities, etc.), A-Z

Italy

- 279.A1 General works
- 279.A6-Z States, provinces, etc., A-Z
- 280.A-Z Local (Cities, etc.), A-Z

280.5

Malta

Norway

- 281.A1 General works
- 281.A6-Z States, provinces, etc., A-Z
- 282.A-Z Local (Cities, etc.), A-Z

Portugal, Azores, etc.

- 283.A1 General works
- 283.A6-Z States, provinces, etc., A-Z
- 284.A-Z Local (Cities, etc.), A-Z
- 284.5 Colonies (Collectively)

Russia in Europe

- 285.A1 General works
- 285.A6-Z States, provinces, etc., A-Z
- 286.A-Z Local (Cities, etc.), A-Z

Spain

- 287.A1 General works
- 287.A6-Z States, provinces, etc., A-Z
- 288.A-Z Local (Cities, etc.), A-Z

288.5

Scandinavia

Sweden

- 289.A1 General works
- 289.A6-Z States, provinces, etc., A-Z
- 290.A-Z Local (Cities, etc.), A-Z

Switzerland

- 291.A1 General works
- 291.A6-Z States, provinces, etc., A-Z
- 292.A-Z Local (Cities, etc.), A-Z

295.A-Z

Other regions and countries, A-Z

- 295.A2 Balkan Peninsula
- 295.A38 Albania
- 295.A44 Alps

Water supply for domestic and industrial purposes
Country and city subdivisions

Europe

Other regions and countries, A-Z -- Continued

295.A48 Andorra
 295.B3 Baltic Sea
 295.B43 Belarus
 295.B45 Benelux countries
 295.B9 Bulgaria
 295.C37 Carpathian Mountains
 295.D35 Danube River
 295.F5 Finland
 295.I43 Iceland
 295.L285 Lapland
 295.L37 Latvia
 295.L78 Lithuania
 295.L9 Luxemburg
 295.M4 Mediterranean Region
 295.N67 North Sea
 295.P7 Poland
 295.P75 Pomerania (Poland and Germany)
 295.R48 Rhine River
 295.R6 Romania
 295.S55 Slovenia
 295.T48 Thrace
 295.U95 Ukraine
 295.Y8 Yugoslavia

Asia

299 General works
 China
 For Hong Kong see TD313.H85
 301.A1 General works
 301.A6-Z States, provinces, etc., A-Z
 302.A-Z Local (Cities, etc.), A-Z
 Taiwan
 302.5.A1 General works
 302.5.A6-Z States, provinces, etc., A-Z
 302.6.A-Z Local (Cities, etc.), A-Z
 South Asia
 302.9 General works
 India
 303.A1 General works
 303.A6-Z States, provinces, etc., A-Z
 304.A-Z Local (Cities, etc.), A-Z
 Pakistan
 304.5.A1 General works

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South Asia

Pakistan -- Continued

304.5.A6-Z States, provinces, etc., A-Z

304.6.A-Z Local (Cities, etc.), A-Z

Bangladesh

304.65.A1 General works

304.65.A6-Z States, provinces, etc., A-Z

304.66.A-Z Local (Cities, etc.), A-Z

Sri Lanka. Ceylon

304.7.A1 General works

304.7.A6-Z States, provinces, etc., A-Z

304.8.A-Z Local (Cities, etc.), A-Z

Japan

305.A1 General works

305.A6-Z States, provinces, etc., A-Z

306.A-Z Local (Cities, etc.), A-Z

Korea

Including South Korea

306.5.A1 General works

306.5.A6-Z States, provinces, etc., A-Z

306.6.A-Z Local (Cities, etc.), A-Z

North Korea

306.7.A1 General works

306.7.A6-Z States, provinces, etc., A-Z

306.8.A-Z Local (Cities, etc.), A-Z

Iran. Persia

307.A1 General works

307.A6-Z States, provinces, etc., A-Z

308.A-Z Local (Cities, etc.), A-Z

Russia in Asia. Siberia

309.A1 General works

309.A6-Z States, provinces, etc., A-Z

310.A-Z Local (Cities, etc.), A-Z

Turkey. Asia Minor

311.A1 General works

311.A6-Z States, provinces, etc., A-Z

312.A-Z Local (Cities, etc.), A-Z

313.A-Z Other divisions of Asia, A-Z

313.A3 Afghanistan

313.A98 Azerbaijan

313.B47 Bhutan

313.B54 Borneo

313.B7 Brunei

Water supply for domestic and industrial purposes
Country and city subdivisions

Asia

Other divisions of Asia, A-Z -- Continued

- 313.B8 Burma. Myanmar
- 313.C16 Cambodia
- 313.C9 Cyprus
- 313.G39 Gaza Strip
- 313.H85 Hong Kong
- 313.I55 Indonesia
- 313.I7 Iraq
- 313.I75 Israel
- 313.J6 Jordan
- 313.K85 Kuwait
- 313.L28 Laos
- 313.L4 Lebanon
- 313.M2 Macau
- 313.M318 Malaya
- 313.M32 Malaysia
- 313.M45 Mekong River Valley
- Myanmar see TD313.B8
- 313.N4 Nepal
- 313.P6 Philippines
- 313.Q36 Qatar
- 313.S33 Saudi Arabia
- 313.S53 Singapore
- 313.S6 Southeast Asia
- 313.S94 Syria
- 313.T48 Thailand
- 313.U54 United Arab Emirates
- 313.V5 Vietnam
- 313.W48 West Bank
- 313.Y45 Yemen (People's Democratic Republic)
- 313.5 Middle East
- 314 Arab countries
- 314.5 Islamic countries
- Africa
- 315 General works
- Egypt
- 317.A1 General works
- 317.A6-Z States, provinces, etc., A-Z
- 318.A-Z Local (Cities, etc.), A-Z
- 319.A-Z Other divisions of Africa, A-Z
- 319.A4 Algeria
- 319.A5 Angola
- 319.B57 Botswana

Water supply for domestic and industrial purposes
Country and city subdivisions

Africa

Other divisions of Africa, A-Z -- Continued

| | |
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| 319.B85 | Burundi |
| 319.C17 | Cameroon |
| 319.C42 | Central Africa |
| 319.C43 | Central Africa Republic |
| 319.C75 | Congo (Brazzaville) |
| | Congo (Democratic Republic) see TD319.Z3 |
| | Côte d'Ivoire see TD319.I9 |
| 319.D3 | Dahomey |
| 319.D55 | Djibouti |
| 319.E18 | East Africa |
| 319.E19 | Eastern Africa |
| 319.E8 | Ethiopia |
| 319.F82 | French-speaking Equatorial Africa |
| 319.F83 | French-speaking West Africa |
| 319.G23 | Gabon |
| 319.G45 | Ghana |
| 319.G92 | Guinea |
| 319.G94 | Guinea-Bissau |
| 319.I9 | Ivory Coast. Côte d'Ivoire |
| 319.K4 | Kenya |
| 319.L45 | Lesotho |
| 319.L49 | Liberia |
| 319.L74 | Libya |
| 319.M28 | Madagascar |
| 319.M3 | Malawi |
| 319.M34 | Mali |
| 319.M39 | Mauritania |
| 319.M6 | Morocco |
| 319.M85 | Mozambique |
| | Namibia see TD319.S68 |
| 319.N53 | Niger |
| 319.N54 | Nigeria |
| 319.N6 | Nile River Valley |
| 319.R45 | Rhodesia, Southern. Zimbabwe |
| 319.R9 | Rwanda |
| 319.S18 | Sahel |
| 319.S38 | Senegal |
| 319.S5 | Sierra Leone |
| 319.S59 | Somalia |
| 319.S6 | South Africa |
| 319.S64 | Southern Africa |
| 319.S68 | Southwest Africa. Namibia |

Water supply for domestic and industrial purposes
Country and city subdivisions

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Other divisions of Africa, A-Z -- Continued

- 319.S73 Sub-Saharan Africa
- 319.S74 Sudan
- 319.S87 Swaziland
- 319.T35 Tanzania
- 319.T64 Togo
- 319.T8 Tunisia
- 319.U4 Uganda
- 319.U66 Upper Volta
- 319.W48 West Africa
- 319.Z3 Zaire. Congo (Democratic Republic)
- 319.Z34 Zambia
- Zimbabwe see TD319.R45

Indian Ocean islands

- 320 General works
- 320.5.A-Z Special islands, A-Z
- 320.5.M38 Mauritius
- 320.5.R48 Réunion

Australasia

- 320.7 General works
- Australia
 - 321.A1 General works
 - 321.A6-Z States, provinces, etc., A-Z
 - 322.A-Z Local (Cities, etc.), A-Z
- New Zealand
 - 322.5.A1 General works
 - 322.5.A6-Z States, provinces, etc., A-Z
 - 322.6.A-Z Local (Cities, etc.), A-Z
- 322.7 Papua New Guinea

Pacific islands

- 323 General works
- 324.A-Z By island, A-Z

Arctic regions

- 325 General works
- 325.5 Greenland
- 326 Antarctica
- 326.5 Tropics
- 327 Developing countries

General works

- 344 Early to 1800
- 345 1800-
- 346 Elementary textbooks
- 348 Popular works. Juvenile works

Water supply for domestic and industrial purposes -- Continued

- 351 Pocketbooks, tables, etc.
 353 General special
 355 Addresses, essays, lectures
 357 Study and teaching
 360 Water rates
 For local see TD221+
 Cf. TD499+ Meters
 Water quality management
 For local see TD221+
 365 General works
 365.5 Biomanipulation
 Water quality monitoring
 For local see TD221+
 367 General works
 368 Particle counting
 Qualities of water. Water quality
 For local see TD221+
 370 General works
 372 Softness
 374 Hardness and its correction
 Chemical purification see TD451+
 375 Sensory qualities
 Examination and analysis of water
 Including results
 For specific pollutants of water see TD427.A+
 Cf. GB855+ Natural water chemistry
 380 General works
 Chemical see QD142
 384 Microscopical. Bacteriological
 387.A-Z Special bodies of water, A-Z
 For water supplies of a special region or city see
 TD221+
 Water conservation
 For special methods of conservation, see the method, e.g.
 SB439.8, Drought-tolerant plants; SB475.83, Landscape
 architecture; TD397, Evaporation control in reservoirs;
 TC401-TC558, Water resources development; TD495-
 TD497, Location of leaks in mains
 For local see TD221+
 388.A1 Periodicals, societies, congresses, etc.
 388.A5-Z General works
 388.5 General special
 Sources of water supply
 Cf. GB651+ Hydrology
 390 General works

Water supply for domestic and industrial purposes

Sources of water supply -- Continued

- 392 Rivers, lakes, ponds, etc.
Reservoirs
For dams and their construction see TC540+
For special reservoirs see TD221+
Cf. QH96.8.R35 Reservoir drawdown (Freshwater biology)
Cf. QH541.5.R4 Ecology
Cf. TD195.R47 Environmental effects
- 395 General works
- 396 Sedimentation
- 397 Evaporation control
- 398 Aqueducts, conduits, etc.
Groundwater
For local see TD221+
Cf. GB1001+ Hydrology
Cf. TD426+ Pollution of groundwater
- 403 General works
- 404 Artificial recharge
Cf. TD765 Disposal of sewage effluent
- 404.5 Aquifer storage recovery
- 404.7 Qanats
- Wells
For local see TD221+
Cf. TD426.8 Water pollution
- 405 General works
- 407 General special
Including standards
- 410 Artesian wells
- 412 Well digging and boring
- 414 Boring machinery
Including catalogs
Pumps see TJ899+
- 415 Dew and fog
For dew ponds see TD395
- 418 Rainwater (Collection and use)
- Water pollution
Cf. GC1080+ Marine pollution
Cf. QH545.W3 Effect on plants and animals
Cf. RA591+ Public health
- 419 Periodicals. Societies. Serials
- 419.5 Congresses
- 420 General works
- 422 Juvenile works
- 423 General special

- Water supply for domestic and industrial purposes
- Water pollution -- Continued
 - Study and teaching
 - 424 General works
 - By region or country
 - United States
 - 424.3 General works
 - 424.35.A-Z By region or state, A-Z
 - 424.4.A-Z Other regions or countries, A-Z
 - 424.5 Research
 - 424.8 Nonpoint source pollution
 - For local see TD221+
 - 425 Pollution of streams
 - For effect of oil pollution on marine organisms see QH91.8.O4
 - For pollution of special water supplies and bodies of water see TD221+
 - For sewage effluent disposal into streams, etc. see TD763+
 - For sewage sludge disposal into streams, etc. see TD771.5
 - Pollution of groundwater
 - 426 General works
 - 426.8 Wells
 - 427.A-Z Specific pollutants and organisms, A-Z
 - Including presence of naturally occurring substances
 - 427.A27 Acid deposition
 - 427.A28 Acid mine drainage
 - 427.A35 Agricultural chemicals
 - 427.A45 Aluminum
 - 427.A68 Aquatic pests
 - Cf. SH174.5+ Fish culture
 - 427.A77 Arsenic
 - 427.A84 Atmospheric deposition
 - 427.A86 Atrazine
 - 427.B37 Bacteria
 - 427.B67 Boron
 - 427.B75 Bromate
 - 427.C37 Carbon dioxide
 - 427.C48 Cesium
 - 427.C54 Chemical weapons
 - 427.C57 Chromium
 - 427.C66 Copper
 - 427.C78 Cryptosporidium
 - 427.C9 Cyanides
 - 427.C92 Cyanobacteria

Water supply for domestic and industrial purposes

Water pollution

Specific pollutants and organisms, A-Z -- Continued

| | |
|----------|---|
| 427.D34 | DDT (Insecticide) |
| 427.D4 | Detergents. Surfactants |
| 427.D47 | Dibutyltin |
| 427.D52 | Dibromochloropropane |
| 427.D547 | Dioxane |
| 427.D55 | Dioxins |
| 427.D77 | Drugs |
| 427.E68 | Enterobacteriaceae |
| 427.E82 | Estrogen |
| 427.E83 | Ethylene dibromide |
| 427.F45 | Fertilizers |
| 427.F58 | Fly ash |
| 427.F68 | Fouling organisms |
| 427.F85 | Fungi |
| 427.G55 | Glyphosate |
| | Halogenated hydrocarbons see TD427.H93 |
| 427.H3 | Hazardous substances |
| 427.H4 | Heat pollution |
| | Heavy metals see TD427.M44 |
| 427.H46 | Herbicides |
| 427.H49 | Hexazinone |
| 427.H85 | Humus |
| 427.H93 | Hydrocarbons |
| | Including halogenated hydrocarbons and polycyclic aromatic hydrocarbons |
| 427.I55 | Inorganic compounds |
| 427.M35 | Marine debris |
| 427.M4 | Mercury |
| 427.M44 | Metals |
| | Including heavy metals |
| 427.M53 | Microorganisms |
| 427.M93 | Mycobacterium avium |
| 427.N5 | Nitrogen and nitrogen compounds |
| 427.N87 | Nutrients |
| 427.O7 | Organic compounds |
| 427.P27 | Particles |
| 427.P33 | Perchlorates |
| 427.P35 | Pesticides |
| 427.P4 | Petroleum |
| | Cf. SH177.O53 Effect on fish culture |
| 427.P53 | Phenols |
| 427.P56 | Phosphorus and phosphorus compounds |
| | Including phosphates |

Water supply for domestic and industrial purposes

Water pollution

Specific pollutants and organisms, A-Z -- Continued

- 427.P62 Plastic scrap
- 427.P63 Plutonium
- 427.P646 Polybrominated diphenyl ethers
- 427.P65 Polychlorinated biphenyls
- Polycyclic aromatic hydrocarbons see TD427.H93
- 427.P67 Polyelectrolytes
- 427.R3 Radioactive substances
- 427.S24 Salt
- 427.S33 Sediment
- 427.S38 Selenium
- 427.S94 Sulfur and sulfur compounds
 - Including sulfides
 - Cf. TD196.S95 Environmental pollutants
- Surfactants see TD427.D4
- 427.T42 Technetium
- Thermal pollution see TD427.H4
- 427.T7 Trace elements
- 427.T73 Tributyltin
- 427.T75 Trichloroethylene
- 427.T77 Trihalomethanes
- 427.V55 Viruses
- 427.V64 Volcanic ash, tuff, etc.
- 427.Z43 Zebra mussel
- 428.A-Z Sources of pollution, A-Z
 - Class here works that limit their discussions to wastes from specific industries, facilities, etc., as pollutants of water
 - For nonpoint source pollution see TD424.8
 - For waste disposal and control in specific industries see TD899.A+
- 428.A37 Agriculture
- 428.A48 Aluminum mines and mining. Bauxite mines and mining
- 428.A68 Aquaculture
- 428.A86 Atomic power plants
- Bauxite mines and mining see TD428.A48
- 428.C58 Coal-fired power plants
- 428.C6 Coal mines and mining
- 428.C64 Construction industry
- 428.C66 Copper mines and mining
- 428.D74 Dredging. Dredging spoils
- 428.D78 Dry cleaning industry
- 428.F67 Forestry
- 428.G64 Gold mines and mining
- 428.I74 Iron mines and mining

Water supply for domestic and industrial purposes

Water pollution

Sources of pollution, A-Z -- Continued

- 428.L35 Land use
- 428.M47 Metallurgical plants
- 428.M49 Methane industry
- 428.M56 Mineral industries
- 428.M68 Motorboat racing
- Nuclear power plants see TD428.A86
- 428.O33 Offshore oil industry
- 428.O35 Oil sands extraction plants
- 428.P35 Paper industry
- 428.P47 Petroleum refineries
- 428.P54 Pharmaceutical industry
- 428.P67 Power plants
- 428.R63 Road construction
- 428.R84 Runoff from roads
- 428.S47 Sewerage. Sewage disposal plants
- 428.S55 Ships
- 428.S58 Ski resorts
- 428.S64 Soil management
- 428.T78 Trucking
- 428.U73 Uranium mines and mining
- 428.W65 Woodpulp industry
- 429 Water reuse
- Water purification. Water treatment and conditioning
 - Cf. RA591+ Public health
 - Cf. TD485+ Waterworks, etc.
 - Cf. TD745+ Purification of sewage
- 429.5 Periodicals, societies, congresses, etc.
- 430 General works
- 433 General special
- 434 Water treatment plants
 - Special methods
 - Mechanical treatment
 - 437 General works
 - 439 Screening. Settling. Sedimentation
 - Including sedimentation tanks and basins
 - Cf. TD455 Coagulation
 - Filtration
 - 441 General works
 - 442 Direct filtration
 - 442.5 Membrane filtration
 - 443 Natural filtration
 - 444 Roughing filtration
 - 445 Sand filtration

- Water supply for domestic and industrial purposes
- Water purification. Water treatment and conditioning
 - Special methods
 - Mechanical treatment
 - Filtration -- Continued
 - 446 Diatomaceous earth filtration
 - 447 Filter basins and plants
 - 449 Domestic filters
 - 449.5 Adsorption
 - Chemical treatment
 - 451 General works
 - 455 Chemical precipitation. Coagulation. Flocculation
 - 457 Odor control
 - 458 Aeration
 - Disinfection
 - 459 General works
 - 460 Ultraviolet ray treatment
 - 461 Ozone treatment
 - Chlorination
 - 462 General works
 - 463 Hypochlorite treatment
 - 464 Chlorine dioxide
 - 464.5.A-Z Other, A-Z
 - 465 Algae control by copper sulfate and other chemicals
 - 466 Removal of dissolved minerals. Water softening
 - Cf. TD478+ Saline water conversion
 - 467 Fluoridation
 - 468 Other methods
 - Including color removal, stabilization, nitrification
 - 471 Electrolytic treatment
 - 473 Foam fractionation and flotation
 - 475 Biological treatment
 - 476 Irradiation
 - 477 Other methods
 - Water treatment plant residuals see TD899.W3
 - Saline water conversion
 - 478 Periodicals, societies, congresses, etc.
 - Special countries
 - United States
 - 478.3 General works
 - 478.5.A-.W By state, A-W
 - 478.6.A-Z Other countries, A-Z
 - 479 General works
 - 479.15 Juvenile works
 - 479.2 General special
 - 479.25 Pocketbooks, tables, etc.

- Water supply for domestic and industrial purposes
- Saline water conversion -- Continued
- 479.3 Estimates and costs
- Desalination plants
 - For plants in specific locations see TD478.3+
 - For special conversion methods see TD480+
- 479.4 General works
- 479.5 Combined purpose plants
- 479.6 Nuclear powered plants
- 479.7 Solar powered plants
- 479.8 Pretreatment of saline waters. Scale
- Special conversion methods
- 480 Distillation methods
- 480.2 Freezing methods
- 480.3 Hydrate process
- Membrane methods
- 480.4 General works
- 480.5 Electrodialysis
- 480.7 Ion exchange desalting
- Water distribution systems
 - For local see TD221+
 - Aqueducts see TD398
 - Reservoirs see TD395+
- 481 General works
- 482 General special
 - Including smaller plants, fountains, pumps, etc.
- Waterworks, pumping stations, etc.
- 485 General works
- 487 General special
 - Pumping machinery see TJ899+
- 487.5 Security measures
- 489 Water towers, standpipes, etc.
 - Cf. TH9332+ Fire extinction
- 491 Mains, pipes, valves, etc.
- Flow of water see TC171+
- 493 Water withdrawals
 - For local see TD221+
- Water waste and its prevention
 - Including location of breaks or leakage in mains
- 495 General works
- 497 General special
 - Including unauthorized users of water
- Water meters and metering
 - Cf. TC177 Hydraulics (Current meters)
- 499 General works
- 500 Special makes of meters

Water supply for domestic and industrial purposes -- Continued

Water supply for farms, country houses, etc. see TD927

Sewage collection and disposal systems. Sewerage

For industrial wastes see TD896+

Cf. HD4475+ Economic aspects of sewage disposal

Cf. RA567+ Public hygiene

- 511 Periodicals, societies, congresses, etc.
History
- 515 General works
- 516 Ancient
- 517 Medieval
- 518 Modern
- 519 19th century
- 520 20th century
- Country subdivisions
Including all local departmental reports
- America
- 521 General works
- North America
- 522 General works
- United States
- 523 General works
- 523.1 Eastern states. Atlantic coast
- 523.15 New England
- 523.2 Appalachian region
- 523.3 Great Lakes region
- 523.4 Midwest. Mississippi Valley
- 523.5 South. Gulf states
- 523.6 West
- 523.7 Northwest
- 523.8 Pacific coast
- 523.9 Southwest
- 524.A-.W States, A-W
e.g.
- 524.A4 Alaska
- 524.H3 Hawaii
- 525.A-Z Cities or other special, A-Z
- Canada
- 526.A1 General works
- 526.A6-Z Provinces, A-Z
- 527.A-Z Local (Cities, etc.), A-Z
- 527.5 Latin America
- Mexico
- 528.A1 General works
- 528.A6-Z States, provinces, etc., A-Z
- 529.A-Z Local (Cities, etc.), A-Z

Sewage collection and disposal systems. Sewerage

Country and city subdivisions

America -- Continued

Central America

530

General works

531.A-Z

Special countries, A-Z

West Indies

532

General works

533.A-Z

Special islands, A-Z

South America

534

General works

Argentina

536.A1

General works

536.A6-Z

States, provinces, etc., A-Z

537.A-Z

Local (Cities, etc.), A-Z

Bolivia

538.A1

General works

538.A6-Z

States, provinces, etc., A-Z

539.A-Z

Local (Cities, etc.), A-Z

Brazil

541.A1

General works

541.A6-Z

States, provinces, etc., A-Z

542.A-Z

Local (Cities, etc.), A-Z

Chile

543.A1

General works

543.A6-Z

States, provinces, etc., A-Z

544.A-Z

Local (Cities, etc.), A-Z

Colombia

545.A1

General works

545.A6-Z

States, provinces, etc., A-Z

546.A-Z

Local (Cities, etc.), A-Z

547

Ecuador

548

Guyana

549

Suriname

550

French Guiana

551

Paraguay

552

Peru

553

Uruguay

554

Venezuela

Europe

555

General works

Great Britain. England

557

General works

558.A-Z

English counties or regions, A-Z

Ireland

559

General works

Sewage collection and disposal systems. Sewerage
Country and city subdivisions

Europe

Great Britain. England

Ireland -- Continued

559.2 Irish Free State. Ireland (Eire)

559.3 Northern Ireland

560.A-Z Special counties, A-Z

Scotland

561 General works

562.A-Z Special counties, A-Z

563 Wales

564.A-Z Cities or other special, A-Z

Austria

565.A1 General works

565.A6-Z States, provinces, etc., A-Z

565.2.A-Z Local (Cities, etc.), A-Z

Czechoslovakia

565.3.A1 General works

565.3.A6-Z States, provinces, etc., A-Z

565.4.A-Z Local (Cities, etc.), A-Z

Hungary

565.5 General works

565.9.A-Z Special counties, A-Z

566.A-Z Cities or other special, A-Z

Belgium

567.A1 General works

567.A6-Z States, provinces, etc., A-Z

568.A-Z Local (Cities, etc.), A-Z

Denmark

569.A1 General works

569.A6-Z States, provinces, etc., A-Z

570.A-Z Local (Cities, etc.), A-Z

France

571.A1 General works

571.A6-Z States, provinces, etc., A-Z

572.A-Z Local (Cities, etc.), A-Z

572.5 Colonies (Collectively)

Germany

573 General works

573.1 East Germany. Eastern Germany

573.2 Baden-Württemberg

573.3 Bavaria

573.4 Hesse

573.5 Prussia

573.6 Saxony

Sewage collection and disposal systems. Sewerage

Country and city subdivisions

Europe

Germany -- Continued

- 573.7 North Rhine-Westphalia
- 573.9.A-Z Other states, A-Z
- 574.A-Z Cities or other special, A-Z
- 574.5 Colonies (Collectively)

Greece

- 575.A1 General works
- 575.A6-Z States, provinces, etc., A-Z
- 576.A-Z Local (Cities, etc.), A-Z

Netherlands

- 577.A1 General works
- 577.A6-Z States, provinces, etc., A-Z
- 578.A-Z Local (Cities, etc.), A-Z

Italy

- 579.A1 General works
- 579.A6-Z States, provinces, etc., A-Z
- 580.A-Z Local (Cities, etc.), A-Z
- 580.5

Malta

Norway

- 581.A1 General works
- 581.A6-Z States, provinces, etc., A-Z
- 582.A-Z Local (Cities, etc.), A-Z

Portugal, Azores, etc.

- 583.A1 General works
- 583.A6-Z States, provinces, etc., A-Z
- 584.A-Z Local (Cities, etc.), A-Z
- 584.5 Colonies (Collectively)

Russia in Europe

- 585.A1 General works
- 585.A6-Z States, provinces, etc., A-Z
- 586.A-Z Local (Cities, etc.), A-Z

Spain

- 587.A1 General works
- 587.A6-Z States, provinces, etc., A-Z
- 588.A-Z Local (Cities, etc.), A-Z
- 588.5

Scandinavia

Sweden

- 589.A1 General works
- 589.A6-Z States, provinces, etc., A-Z
- 590.A-Z Local (Cities, etc.), A-Z

Switzerland

- 591.A1 General works
- 591.A6-Z States, provinces, etc., A-Z

Sewage collection and disposal systems. Sewerage

Country and city subdivisions

Europe

Switzerland -- Continued

592.A-Z Local (Cities, etc.), A-Z

595.A-Z Other regions and countries, A-Z

595.A2 Balkan Peninsula

595.A38 Albania

595.A44 Alps

595.A48 Andorra

595.B3 Baltic Sea

595.B43 Belarus

595.B45 Benelux countries

595.B9 Bulgaria

595.C37 Carpathian Mountains

595.D35 Danube River

595.F5 Finland

595.I43 Iceland

595.L285 Lapland

595.L37 Latvia

595.L78 Lithuania

595.L9 Luxemburg

595.M4 Mediterranean Region

595.N67 North Sea

595.P7 Poland

595.P75 Pomerania (Poland and Germany)

595.R48 Rhine River

595.R6 Romania

595.S4 Serbia

595.S55 Slovenia

595.T48 Thrace

595.U95 Ukraine

595.Y8 Yugoslavia

Asia

599 General works

China

For Hong Kong see TD613.H85

601.A1 General works

601.A6-Z States, provinces, etc., A-Z

602.A-Z Local (Cities, etc.), A-Z

Taiwan

602.5.A1 General works

602.5.A6-Z States, provinces, etc., A-Z

602.6.A-Z Local (Cities, etc.), A-Z

South Asia

602.9 General works

Sewage collection and disposal systems. Sewerage
Country and city subdivisions

Asia

South Asia -- Continued

India

603.A1 General works
603.A6-Z States, provinces, etc., A-Z
604.A-Z Local (Cities, etc.), A-Z

Pakistan

604.5.A1 General works
604.5.A6-Z States, provinces, etc., A-Z
604.6.A-Z Local (Cities, etc.), A-Z

Bangladesh

604.65.A1 General works
604.65.A6-Z States, provinces, etc., A-Z
604.66.A-Z Local (Cities, etc.), A-Z

Sri Lanka. Ceylon

604.7.A1 General works
604.7.A6-Z States, provinces, etc., A-Z
604.8.A-Z Local (Cities, etc.), A-Z

Japan

605.A1 General works
605.A6-Z States, provinces, etc., A-Z
606.A-Z Local (Cities, etc.), A-Z

Korea

Including South Korea

606.5.A1 General works
606.5.A6-Z States, provinces, etc., A-Z
606.6.A-Z Local (Cities, etc.), A-Z

North Korea

606.7.A1 General works
606.7.A6-Z States, provinces, etc., A-Z
606.8.A-Z Local (Cities, etc.), A-Z

Iran. Persia

607.A1 General works
607.A6-Z States, provinces, etc., A-Z
608.A-Z Local (Cities, etc.), A-Z

Russia in Asia. Siberia

609.A1 General works
609.A6-Z States, provinces, etc., A-Z
610.A-Z Local (Cities, etc.), A-Z

Turkey. Asia Minor

611.A1 General works
611.A6-Z States, provinces, etc., A-Z
612.A-Z Local (Cities, etc.), A-Z

613.A-Z Other divisions of Asia, A-Z

Sewage collection and disposal systems. Sewerage
Country and city subdivisions

Asia

Other divisions of Asia, A-Z -- Continued

| | |
|----------|--------------------------------------|
| 613.A3 | Afghanistan |
| 613.B54 | Borneo |
| 613.B7 | Brunei |
| 613.B8 | Burma. Myanmar |
| 613.C16 | Cambodia |
| 613.C9 | Cyprus |
| 613.G39 | Gaza Strip |
| 613.H85 | Hong Kong |
| 613.I55 | Indonesia |
| 613.I7 | Iraq |
| 613.I75 | Israel |
| 613.J6 | Jordan |
| 613.K85 | Kuwait |
| 613.L28 | Laos |
| 613.L4 | Lebanon |
| 613.M2 | Macau |
| 613.M318 | Malaya |
| 613.M32 | Malaysia |
| 613.M45 | Mekong River Valley |
| | Myanmar see TD613.B8 |
| 613.N4 | Nepal |
| 613.P6 | Philippines |
| 613.Q36 | Qatar |
| 613.S33 | Saudi Arabia |
| 613.S53 | Singapore |
| 613.S6 | Southeast Asia |
| 613.S94 | Syria |
| 613.T48 | Thailand |
| 613.U54 | United Arab Emirates |
| 613.V5 | Vietnam |
| 613.W48 | West Bank |
| 613.Y45 | Yemen (People's Democratic Republic) |
| 613.5 | Middle East |
| 614 | Arab countries |
| 614.5 | Islamic countries |
| | Africa |
| 615 | General works |
| | Egypt |
| 617.A1 | General works |
| 617.A6-Z | States, provinces, etc., A-Z |
| 618.A-Z | Local (Cities, etc.), A-Z |
| 619.A-Z | Other divisions of Africa, A-Z |

Sewage collection and disposal systems. Sewerage
Country and city subdivisions

Africa

Other divisions of Africa, A-Z -- Continued

| | |
|---------|--|
| 619.A4 | Algeria |
| 619.A5 | Angola |
| 619.B57 | Botswana |
| 619.B85 | Burundi |
| 619.C17 | Cameroon |
| 619.C42 | Central Africa |
| 619.C43 | Central Africa Republic |
| 619.C75 | Congo (Brazzaville) |
| | Congo (Democratic Republic) see TD619.Z3 |
| | Côte d'Ivoire see TD619.I9 |
| 619.D3 | Dahomey |
| 619.D55 | Djibouti |
| 619.E18 | East Africa |
| 619.E19 | Eastern Africa |
| 619.E8 | Ethiopia |
| 619.F82 | French-speaking Equatorial Africa |
| 619.F83 | French-speaking West Africa |
| 619.G23 | Gabon |
| 619.G45 | Ghana |
| 619.G92 | Guinea |
| 619.G94 | Guinea-Bissau |
| 619.I9 | Ivory Coast. Côte d'Ivoire |
| 619.K4 | Kenya |
| 619.L45 | Lesotho |
| 619.L49 | Liberia |
| 619.L74 | Libya |
| 619.M28 | Madagascar |
| 619.M3 | Malawi |
| 619.M34 | Mali |
| 619.M39 | Mauritania |
| 619.M6 | Morocco |
| 619.M85 | Mozambique |
| | Namibia see TD619.S68 |
| 619.N53 | Niger |
| 619.N54 | Nigeria |
| 619.N6 | Nile River Valley |
| 619.R45 | Rhodesia, Southern. Zimbabwe |
| 619.R9 | Rwanda |
| 619.S18 | Sahel |
| 619.S38 | Senegal |
| 619.S5 | Sierra Leone |
| 619.S59 | Somalia |

Sewage collection and disposal systems. Sewerage
Country and city subdivisions

Africa

Other divisions of Africa, A-Z -- Continued

619.S6 South Africa
 619.S64 Southern Africa
 619.S68 Southwest Africa. Namibia
 619.S73 Sub-Saharan Africa
 619.S74 Sudan
 619.S87 Swaziland
 619.T35 Tanzania
 619.T64 Togo
 619.T8 Tunisia
 619.U4 Uganda
 619.U66 Upper Volta
 619.W48 West Africa
 619.Z3 Zaire. Congo (Democratic Republic)
 619.Z34 Zambia
 Zimbabwe see TD619.R45

Indian Ocean islands

620 General works
 620.5.A-Z Special islands, A-Z
 620.5.M38 Mauritius
 620.5.R48 Réunion

Australasia

620.7 General works
 Australia
 621.A1 General works
 621.A6-Z States, provinces, etc., A-Z
 622.A-Z Local (Cities, etc.), A-Z
 New Zealand
 622.5.A1 General works
 622.5.A6-Z States, provinces, etc., A-Z
 622.6.A-Z Local (Cities, etc.), A-Z
 622.7 Papua New Guinea

Pacific islands

623 General works
 624.A-Z By island, A-Z

Arctic regions

625 General works
 625.5 Greenland

626 Antarctica

626.5 Tropics

627 Developing countries

General works

644 Early to 1800

- Sewage collection and disposal systems. Sewerage
General works -- Continued
- 645 1800-
 - 646 Elementary works
 - 648 Popular works
 - 651 Pocketbooks, tables, etc.
 - 653 General special
Including costs
 - 655 Addresses, essays, lectures
 - Urban runoff
Cf. TD665 Storm sewer system
 - 657 General works
 - 657.4 Rain gardens
 - 657.5 Stormwater infiltration
 - 658 Sewerage systems design
 - 659 Layout of the system
 - Sewerage systems
 - 662 Combined system
 - 664 Separate system
 - 665 Storm sewer system
 - 666 Liernur system
 - 668 Shone system
 - 670 Other systems
 - Sewers
For testing the strength of cement pipe see TA447
For testing the strength of metal pipe see TA492.P6
 - 673 General works
Shape and size. Theory of flow
 - 675 General works
 - 676 Tables, formulas, diagrams
 - Design and construction
 - 678 General works
 - 680 Brick
 - 682 Cement and clay. Concrete
 - 684 Clay pipe
 - 686 Steel and iron pipe
 - 688 Other material
 - 690 Sewer gas, explosions, etc.
 - 691 Sewer corrosion
 - 692 Ventilation of sewers
Sewer appurtenances
 - 695 General works
 - 696 Manholes
 - 698 Flushing apparatus
 - 701 Regulators
 - 705 River crossings, etc.

| | |
|--------|---|
| | Sewage collection and disposal systems. Sewerage |
| | Sewers -- Continued |
| 711 | Intercepting and outfall sewers |
| | Maintenance and repair |
| 716 | General works |
| 719 | Inspection and cleaning |
| 722 | Collecting reservoirs |
| 725 | Pumping stations |
| | Sewage |
| 730 | General works |
| 733 | General special |
| 735 | Analysis, sampling methods, etc. |
| 736 | Bacteriology |
| 737 | Biochemical oxygen demand |
| | Sewage disposal systems |
| | For local see TD521+ |
| 741 | General works |
| 743 | General special |
| | Treatment, purification, etc. |
| 745 | General works |
| 746 | Sewage disposal plants |
| 746.5 | Oxidation ponds. Stabilization ponds. Lagoons |
| | Disinfection. Deodorization |
| 747 | General works |
| 747.5 | Ultraviolet ray treatment |
| 747.7 | Chlorination |
| 747.9 | Neutralization |
| 748 | Screening. Skimming |
| | Sedimentation. Settling tanks |
| | Cf. TD778 Septic tanks |
| 749 | General works |
| 750 | Imhof tanks |
| 751 | Sedimentation with coagulation. Chemical precipitation. |
| | Flocculation |
| 753 | Filtration. Screening |
| 753.5 | Adsorption |
| 754 | Membrane methods |
| 754.5 | Foam fractionation and flotation |
| | Biological purification. Bacterial purification |
| | Cf. TD746.5 Oxidation ponds |
| | Cf. TD764 Self-purification of streams, etc. |
| 755 | General works |
| 756 | Activated sludge method |
| 756.45 | Anaerobic treatment |
| 756.5 | Constructed wetlands |
| 756.65 | Microbial granulation technology |

Sewage collection and disposal systems. Sewerage

Sewage disposal systems

Treatment, purification, etc. -- Continued

| | |
|-----------|--|
| 757 | Electrolytic treatment |
| 757.5 | Ion exchange |
| 758 | Aeration. Oxidation |
| 758.5.A-Z | Removal of specific chemical elements, compounds, etc., A-Z |
| 758.5.C45 | Chlorine |
| 758.5.C65 | Color removal |
| 758.5.C93 | Cyanides |
| 758.5.H39 | Hazardous wastes |
| 758.5.H43 | Heavy metals |
| 758.5.N58 | Nitrogen |
| 758.5.O37 | Oil |
| 758.5.O75 | Organic compounds |
| 758.5.P53 | Phenols |
| 758.5.P56 | Phosphorus |
| 758.5.P64 | Polychlorinated biphenyls |
| 758.5.S44 | Silver |

Disposal of sewage effluent

| | |
|-----|--|
| 759 | General works |
| 760 | Disposal on land. Irrigation. Sewage farming |
| 761 | Subsurface disposal. Deep-well injection |
| | Disposal by dilution. Discharge into streams, lakes, oceans |
| 763 | General works |
| 764 | Self-purification of streams, etc. |
| 765 | Other methods |
| | Including recharge of groundwaters |
| | Cf. TD429 Water reuse |

Sewage sludge treatment and disposal

| | |
|-------|---------------------------------------|
| 767 | General works |
| | Properties of sewage sludge. Tests |
| 767.4 | General works |
| 767.7 | Activated sludge |
| | Treatment |
| 768 | General works |
| | Sludge digestion. Digestion tanks |
| 769 | General works |
| 769.4 | Sludge gas production and utilization |
| 769.7 | Dewatering. Drying |
| 769.8 | Irradiation |
| | Special disposal methods |
| | Incineration |
| 770 | General works |

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| | Sewage collection and disposal systems. Sewerage |
| | Sewage disposal systems |
| | Sewage sludge treatment and disposal |
| | Special disposal methods |
| | Incineration -- Continued |
| 770.3 | Sewage sludge ash |
| 771 | Sanitary landfills. Burial |
| 771.5 | Discharge into streams, ocean |
| 772 | Manufacture into fertilizer, soil builder, etc. |
| | Disposal as fertilizer, soil builder, etc. |
| | Cf. SD408 Forest fertilization |
| 774 | General works |
| 775 | Cesspools, middens, privies, latrines |
| | Cf. TH4975 Design and construction of privies |
| 776 | Earth closets |
| 778 | Septic tanks |
| 779 | Aerated package treatment systems |
| 780 | Pail systems. Can privies |
| | Municipal refuse. Solid wastes |
| | Class here collection and disposal |
| 785 | Periodicals, societies, congresses, etc. |
| 785.5 | Dictionaries and encyclopedias |
| 786 | Directories |
| | Special countries |
| | United States |
| 788 | General works |
| 788.4.A-Z | By region or state, A-Z |
| | Subarrange each state by Table T4a |
| 789.A-Z | Other regions or countries, A-Z |
| | Subarrange each country by Table T4a |
| 790 | Developing countries |
| 791 | General works |
| 792 | Juvenile works |
| 793 | General special |
| | Study and teaching |
| 793.2 | General works |
| | By region or country |
| | United States |
| 793.25 | General works |
| 793.26.A-Z | By region or state, A-Z |
| 793.27.A-Z | Other regions or countries, A-Z |
| 793.3 | Research |
| 793.7 | Estimates and costs |
| | Waste minimization |
| 793.9 | General works |
| 793.95 | Source reduction |

| | |
|--------|--|
| | Municipal refuse. Solid wastes |
| | Waste minimization -- Continued |
| | Special industries, plants, processes, etc. see TD899.A+ |
| 794 | Collection and haulage |
| 794.2 | Integrated solid waste management |
| | For local see TD788+ |
| | Recycling |
| | Cf. SB454.3.R43 Gardening |
| | Cf. TS169 Waste control |
| 794.5 | General works |
| 794.8 | Source separation |
| | Special disposal methods |
| | Open dumps |
| 795 | General works |
| 795.4 | Junkyards and automobile graveyards |
| 795.7 | Sanitary landfills |
| | Incineration. Incinerators |
| 796 | General works |
| 796.2 | Waste heat utilization |
| 796.5 | Composting |
| 796.7 | Other methods |
| | Special wastes and their disposal |
| 797 | Ashes |
| | Automobile-related wastes |
| 797.5 | General works |
| 797.7 | Waste tires |
| | Packaging waste |
| 797.9 | General works |
| 797.92 | Cushioning materials |
| 798 | Plastic waste |
| 799 | Glass |
| 799.5 | Metal |
| 799.7 | Household appliances |
| 799.8 | Household batteries |
| 799.85 | Electronic apparatus and appliances |
| 800 | Petroleum waste |
| 800.5 | Waste paint |
| | Garbage |
| 801 | General works |
| 803 | Incinerators |
| | Organic wastes |
| 804 | General works |
| 805 | Paper waste |
| 810 | Wood waste |
| 810.5 | Yard waste |

- Municipal refuse. Solid wastes
 - Special wastes and their disposal
 - Organic wastes -- Continued
 - (811) Animal waste
 - see TD930.2
 - Hazardous substances see TD1020+
 - Radioactive wastes and their disposal
 - Cf. TD897.85+ Industrial wastes
 - Cf. TD1020+ Hazardous wastes and their disposal
- 812 General works
 - By region or country
 - United States
 - 812.2 General works
 - 812.3.A-Z By region or state, A-Z
 - 812.4.A-Z Other regions or countries, A-Z
 - 812.5.A-Z Special chemical elements, compounds, etc., A-Z
 - 812.5.A48 Aluminum
 - 812.5.C66 Copper
 - 812.5.M45 Mercury
 - 812.5.O73 Organohalogen compounds
- Street cleaning. Litter and its removal
 - Cf. TE220.55 Roadside litter control
- 813 General works
 - Special countries
 - America
 - 815 General works
 - United States
 - 817 General works
 - 818.A-.W States, A-W
 - 819.A-Z Cities, A-Z
 - Canada
 - 820 General works
 - 821.A-.Y Provinces, A-Y
 - 822.A-Z Cities, A-Z
 - Latin America
 - 823 Mexico
 - 824 General works
 - 825.A-Z Cities, A-Z
 - Central America
 - 826 General works
 - Special countries, A-Z
 - 827.A-Z
 - West Indies
 - 829 General works
 - Special islands, A-Z
 - 830.A-Z
 - South America
 - 832 General works

- Street cleaning. Litter and its removal
 - Special countries
 - America
 - South America -- Continued
 - 833.A-Z Special countries, A-Z
 - Europe
 - 835 General works
 - 836.A-Z Special countries, A-Z
 - Asia
 - 838 General works
 - 839.A-Z Special countries, A-Z
 - Africa
 - 841 General works
 - 843.A-Z Special countries, A-Z
 - Australia
 - 845 General works
 - 846.A-Z States, A-Z
 - 847 New Zealand
 - Pacific islands
 - 848 General works
 - 849.A-Z Special islands, A-Z
 - 860 Tools and appliances
 - Street sprinkling
 - 863 General works
 - 865 Sprinkling carts
 - Control of snow and ice on streets
 - Cf. TE220.5 Control of snow and ice on roads and highways
 - 868 General works
 - 870 Use of chemicals
 - Including salt, etc.
 - (877) Street lighting
 - see TK4188 (Electric); TP741 (Nonelectric)
 - Special types of environment
 - Soil pollution. Soil remediation
 - Cf. RA571 Environmental health
 - Cf. S622+ Soil conservation
 - 878 General works
 - By region or country
 - United States
 - 878.2 General works
 - 878.3.A-Z By region or state, A-Z
 - 878.4.A-Z Other regions or countries, A-Z
 - Special remediation methods
 - 878.47 Electrochemical remediation
 - 878.48 Phytoremediation

- Special types of environment
 Soil pollution. Soil remediation
 Special remediation methods -- Continued
- 878.5 Soil vapor extraction
 878.6 Soil bioventing
 878.7 Soil vitrification
- 879.A-Z Particular pollutants, A-Z
 879.A35 Agricultural chemicals
 Class here works on the pollution of soils by agricultural
 chemicals
 For general works on agricultural chemicals and their
 behavior in soils see S592.6.A34
- 879.B4 Benzopyrene
 879.B47 Beryllium
 879.C33 Cadmium
 879.C45 Chromium
 879.C63 Cobalt
 879.C93 Cyanides
 879.H38 Hazardous wastes. Hazardous substances
 879.H4 Heavy metals
 879.H47 Herbicides
 879.I55 Inorganic compounds
 879.L43 Lead
 879.M47 Metals
 879.O73 Organic compounds
 879.P37 Pesticides
 Cf. S592.6.P43 Behavior and movement in soils
 Cf. SB951.145.S65 Soil pesticides
- 879.P4 Petroleum
 879.P64 Polychlorinated biphenyls
 879.P66 Polycyclic aromatic hydrocarbons
 879.R34 Radioactive pollution
- 880.A-Z Special industries, facilities, activities, etc., A-Z
 880.L35 Land use
- Air pollution and its control
 Cf. HC79.A4 Economic aspects
 Cf. QC882+ Atmospheric pollutants
 Cf. QH545.A3 Influence on plants and animals
 Cf. QP82.2.A3 Physiological effect
 Cf. RA576+ Public health
- 881 Periodicals, societies, congresses, etc.
 881.5 Dictionaries and encyclopedias
 882 Directories
 883 General works
 883.1 General special
 883.13 Juvenile works

- Special types of environment
 - Air pollution and its control -- Continued
 - 883.14 Addresses, essays, lectures
 - Study and teaching
 - 883.143 General works
 - By region or country
 - United States
 - 883.144 General works
 - 883.145.A-Z By region or state, A-Z
 - 883.148.A-Z Other regions or countries, A-Z
 - 883.15 Research
 - 883.17 Indoor air pollution
 - Including indoor air quality
 - Special regions or countries
 - United States
 - 883.2 General works
 - 883.5.A-Z By region or state, A-Z
 - Subarrange each state by Table T4a
 - 883.7.A-Z Other regions or countries, A-Z
 - Subarrange each country by Table T4a
- Particular air pollutants and their control
 - 884 Smoke
 - Cf. QC882.6 Meteorology
 - Cf. TH1088.5 Smoke control systems
 - Cf. TH2281+ Chimneys
 - 884.3 Smog. Fog-pollutant mixtures
 - 884.5 Dusts, fumes, and mists; particulate matter
 - Cf. QC882.5 Meteorology
 - Gases. Flue gases
 - 885 General works
 - 885.5.A-Z Individual gases and groups of gases, A-Z
 - 885.5.C3 Carbon dioxide
 - 885.5.C33 Carbon monoxide
 - 885.5.C47 Chlorine
 - 885.5.C5 Chlorofluoromethane
 - 885.5.C66 Combustion gases
 - 885.5.F57 Fluorine
 - 885.5.F67 Formaldehyde
 - 885.5.G73 Greenhouse gases
 - 885.5.H9 Hydrogen sulfide
 - 885.5.L35 Landfill gases
 - 885.5.M48 Methane
 - 885.5.N38 Natural gas
 - 885.5.N5 Nitrogen oxides
 - 885.5.O74 Organic compounds
 - 885.5.O85 Ozone

Special types of environment

Air pollution and its control

Particular air pollutants and their control

Gases. Flue gases

Individual gases and groups of gases, A-Z -- Continued

885.5.R33

Radon

885.5.S8

Sulfur dioxide

885.5.S85

Sulfur oxides

886

Odors

886.5

Automobile exhaust

Including emissions from motor vehicles in general

Cf. TL214.P6 Pollution control devices for motor
vehicles

886.7

Aircraft exhaust emissions

886.8

Diesel exhaust

887.A-Z

Other pollutants, A-Z

887.A37

Acrylonitrile

887.A66

Ammonia

887.A8

Asbestos

887.B43

Benzene

887.B45

Benzopyrene

887.B58

Bituminous materials

887.C34

Cadmium

887.C37

Carbon disulfide

887.C38

Carbon monoxide

887.C47

Chlorofluorocarbons

887.D56

Dioxins

887.E64

Epichlorohydrin

887.E83

Ethylene dichloride

887.F48

Fibers

887.F63

Fluorides

887.F67

Fluorocarbons

887.F69

Fossil fuels

887.H3

Halocarbons

887.H4

Heavy metals

887.H46

Hexane

887.H48

Hexylene glycol

887.H93

Hydrocarbons

887.I56

Inorganic compounds

887.L4

Lead

887.M34

Manganese

887.M37

Mercury

887.M4

Metals

887.O95

Ozone-depleting substances

887.P34

Peat

887.P45

Pesticides

Special types of environment

Air pollution and its control

Particular air pollutants and their control

Other pollutants, A-Z -- Continued

| | |
|----------|---|
| 887.P65 | Pollen |
| 887.P69 | Polybrominated diphenyl ethers |
| 887.P695 | Polycyclic aromatic hydrocarbons |
| 887.R3 | Radioactive metals |
| 887.S78 | Sulfates |
| 887.S82 | Sulfur |
| 887.T75 | Trichloroethylene |
| 887.V55 | Vinyl chloride |
| 887.V65 | Volatile organic compounds |
| 888.A-Z | Sources of pollution, A-Z |
| | Cf. TD899.A+ Waste control in special industries and plants |
| 888.A53 | Aerospace industries |
| 888.A54 | Agriculture |
| 888.A56 | Aluminum plants |
| 888.A86 | Asphalt plants |
| 888.B74 | Breweries |
| 888.C4 | Cement plants |
| 888.C5 | Chemical plants |
| 888.C58 | Coaling stations |
| 888.C6 | Coffee processing plants |
| 888.C63 | Construction industry |
| 888.C64 | Copper industry and trade |
| 888.C65 | Cotton gins |
| 888.E43 | Electric power-plants |
| 888.F3 | Factories |
| 888.F45 | Fertilizer industry |
| 888.F6 | Foundries |
| 888.G37 | Gas manufacture and works |
| 888.H43 | Heating plants |
| 888.H9 | Hydrochloric acid plants |
| 888.M26 | Machinery industry |
| 888.M4 | Metallurgical plants |
| 888.N8 | Nuclear facilities |
| 888.O35 | Oil sands extraction plants |
| 888.P38 | Petroleum chemicals industry |
| 888.P4 | Petroleum refineries |
| 888.P67 | Power plants |
| 888.P73 | Printed circuits industry |
| 888.P8 | Pulp and paper mills |
| 888.R4 | Reactor fuel reprocessing plants |
| 888.R48 | Resource recovery facilities |

Special types of environment

Air pollution and its control

Sources of pollution, A-Z -- Continued

- 888.R62 Road construction, maintenance, and repair
- 888.R66 Roofing industry
- 888.S38 Sewage disposal plants
- 888.S54 Ships
- 888.S6 Solvents industry
- 888.S7 Steam power plants
- 888.S72 Steelworks
- 888.S77 Sugar factories
- 888.S8 Sulfuric acid plants
- 888.W6 Wood industry. Lumber industry
 - Cf. TD888.P8 Pulp and paper mills
- 889 Air pollution control equipment
 - Cf. TH7692+ Dust removal (by pneumatic suction, etc.)
- 890 Measurement. Air sampling and analysis
 - For measurement or analysis of specific pollutants see TD884+

Noise and its control

- 891 Periodicals, societies, congresses, etc.
- 891.5 Directories
- 892 General works
- 892.5 Juvenile works
- Special countries
 - United States
 - 893 General works
 - 893.3.A-Z By region or state, A-Z
 - 893.5.A-Z Other regions or countries, A-Z
 - 893.6.A-Z Special industries, facilities, activities, etc., A-Z
 - 893.6.A57 Airplanes
 - Cf. TL671.65 Aeronautical engineering
 - 893.6.B58 Blast furnaces
 - 893.6.B68 Bottling plants
 - 893.6.C45 Chemical plants
 - 893.6.C6 Construction industry
 - 893.6.C78 Crushed stone industry
 - 893.6.E4 Electric lines
 - 893.6.F58 Flour mills
 - 893.6.F64 Food industry
 - 893.6.F65 Forge shops
 - 893.6.G37 Gasworks
 - 893.6.G7 Grain elevators
 - 893.6.M3 Machine shops
 - 893.6.M35 Materials handling
 - 893.6.M43 Meat industry

Noise and its control

Special industries, facilities, activities, etc., A-Z -- Continued

893.6.M45 Metalwork
 893.6.M5 Mineral industries
 893.6.O34 Offices
 893.6.P35 Paper industry
 893.6.P47 Petroleum refineries
 893.6.P55 Pipe industry
 893.6.P68 Power plants
 893.6.P74 Precast concrete industry
 893.6.P75 Printing plants
 893.6.Q35 Quarries and quarrying
 893.6.R3 Railroads
 893.6.S48 Sewage disposal plants
 893.6.T4 Textile industry
 893.6.T7 Transportation
 893.6.T86 Tunneling
 893.6.W37 Water treatment plants
 893.6.W65 Woodworking industries
 894 Noise measurement

Industrial and factory sanitation

Cf. HD3656+ Factory inspection
 Cf. HD7260+ Industrial hygiene (Administrative aspects)
 Cf. T55+ Industrial safety
 Cf. TS193 Plant housekeeping

895

General works

Industrial and factory wastes

Cf. HD30.255 Environmental aspects of industrial
 management

896 Periodicals, societies, congresses, etc.

897 General works

897.5 General special

897.6 Industrial waste treatment facilities

Including centralized facilities

Special regions or countries

United States

897.7 General works

897.75.A-Z By region or state, A-Z

897.8.A-Z Other regions or countries, A-Z

Special topics

897.842 Biodegradation

897.843 Incineration

897.845 Recycling

897.847 Waste minimization

Special wastes and their disposal

Industrial and factory sanitation

Industrial and factory wastes

Special wastes and their disposal -- Continued

Radioactive waste disposal

For municipal radioactive waste see TD812+

For municipal and industrial hazardous wastes see
TD1020+

For temporary storage at the facility see TK9152.165

Cf. TK9152.17 Transportation of radioactive
substances

897.85

Periodicals, societies, congresses, etc.

898

General works

By region or country

United States

898.118

General works

898.12.A-Z

By region or state, A-Z

898.13.A-Z

Other regions or countries, A-Z

Subarrange each country by Table T4a

898.14.A-Z

Special topics, A-Z

For local see TD898.118+

898.14.B55

Biodegradation

898.14.E36

Economic aspects

898.14.E58

Environmental aspects

898.14.E83

Evaluation

898.14.G46

Geochemistry

898.14.G47

Geology

Cf. TD898.2 Disposal in the ground

898.14.G68

Government policy

898.14.I57

International cooperation

898.14.M35

Management

898.14.M36

Mathematical models

898.14.R57

Risk assessment

898.14.S34

Safety measures

898.14.S63

Social aspects

Radioactive waste sites

For local see TD898.118+

Cf. TK9152.2 Decontamination. Decommissioning
of facilities

898.15

General works

898.155.A-Z

Special topics, A-Z

898.155.D47

Design and construction

898.155.E83

Evaluation

898.16

Radioactive waste treatment facilities (General)

For local see TD898.118+

- Industrial and factory sanitation
- Industrial and factory wastes
 - Special wastes and their disposal
 - Radioactive waste disposal -- Continued
 - Special disposal methods
 - For temporary storage at the facility see TK9152.165
- 898.17 General works
- 898.173 Bituminization
- 898.175 Incineration
- 898.178 Transmutation
- 898.179 Vitrification
- 898.18 Stabilization. Solidification
- 898.2 Disposal in the ground
 - For local see TD898.118+
- 898.4 Disposal in the water
 - For local see TD898.118+
- 898.6 Disposal under the seabed
 - For local see TD898.118+
- 898.7.A-Z Special substances, A-Z
 - 898.7.A46 Alpha-bearing wastes
 - 898.7.P48 Plutonium
- 898.8.A-Z Other wastes, A-Z
 - 898.8.A76 Arsenic wastes
 - 898.8.C67 Corrosive wastes
 - 898.8.M47 Metal wastes
 - 898.8.P45 Pentachlorophenol
 - 898.8.P64 Polychlorinated biphenyls
 - 898.8.S65 Solvent wastes
- 899.A-Z Waste control in special industries, plants, processes, etc.,
 - A-Z
 - Cf. TD428.A+ Pollution of water by special industries, etc.
 - Cf. TD888.A+ Air pollution by special industries, etc.
 - Agriculture see TD930+
 - Aluminum industry
 - Arsenals
 - Atomic power plants
 - Automobile repair shops
 - Beverage container industry
 - Cadmium industry
 - Camp sites, facilities, etc.
 - Canneries
 - Chemical industry
 - Citrus processing plants
 - Clay industries

Industrial and factory sanitation

Industrial and factory wastes

Waste control in special industries, plants, processes, etc.,

A-Z -- Continued

| | |
|-----------|---|
| 899.C58 | Cleaning and dyeing industry |
| 899.C585 | Coal liquefaction |
| 899.C588 | Coal preparation plants |
| 899.C5885 | Construction industry |
| 899.C59 | Copper industry |
| 899.C6 | Cotton industry |
| 899.D3 | Dairy plants. Milk plants |
| 899.D46 | Dental offices. Dental clinics |
| 899.D5 | Distilleries |
| 899.F4 | Feedlots |
| 899.F47 | Fertilizer industry |
| 899.F5 | Fisheries |
| 899.F57 | Fishery processing industries |
| 899.F585 | Food industry |
| 899.F6 | Foundries |
| 899.F7 | Fruit processing plants |
| 899.G3 | Gas industry |
| 899.G47 | Glass fiber industry |
| 899.G63 | Gold industry |
| 899.G85 | Gums and resins industry |
| | Health facilities see RA969.45 |
| 899.H65 | Hotels |
| 899.L32 | Laboratories |
| 899.L37 | Laundries |
| 899.M2 | Machinery industry |
| 899.M29 | Manufactures |
| 899.M4 | Meat industry. Packinghouses. Slaughterhouses |
| 899.M43 | Metallurgical plants |
| 899.M45 | Metalworking and finishing industry |
| | Milk plants see TD899.D3 |
| 899.M47 | Mineral industries |
| 899.M5 | Mines |
| | Nuclear power plants see TD899.A8 |
| 899.O54 | Oil industries |
| | Packinghouses see TD899.M4 |
| 899.P25 | Paint industry and trade |
| 899.P3 | Paper industry |
| 899.P37 | Pesticides industry |
| 899.P4 | Petroleum industry |
| 899.P45 | Phosphate industry |
| 899.P46 | Phosphoric acid industry |
| 899.P48 | Photographic industry |

Industrial and factory sanitation

Industrial and factory wastes

Waste control in special industries, plants, processes, etc.,

A-Z -- Continued

- 899.P55 Plastics industry
- 899.P6 Potato chip industry
- 899.P65 Poultry industry
- 899.P69 Printed circuits industry
- 899.P7 Printing industry
- 899.R26 Railroads
- 899.R3 Reactor fuel reprocessing plants
- 899.R34 Refractories industry
- 899.R8 Rubber industry
- Seafood processing see TD899.F57
- Slaughterhouses see TD899.M4
- 899.S46 Service stations
- 899.S68 Steam power plants
- 899.S7 Steelworks
- 899.S8 Sugar industry
- 899.T3 Tanneries
- 899.T4 Textile industry
- 899.T55 Tile industry
- 899.U73 Uranium industry
- 899.W3 Water treatment plants
- 899.W6 Wood industry
- 899.W65 Woodpulp industry
- 899.W73 Wrecking industry

Sanitary engineering as applied to buildings

see TH6014+

- (905) General works
- (909) General special
- (913) House drainage
- see TH6571+
- (915) Earth closets
- see TD776
- (918) Sanitary inspection
- see RA565+

Rural and farm sanitary engineering

Including all small isolated plants for country and farmhouses, etc.

For local see TD21+

- 920 General works
- 923 General special
- 927 Water supply
- For local see TD221+
- Sewage and refuse disposal and drainage
- For local see TD521+

- Rural and farm sanitary engineering
 - Sewage and refuse disposal and drainage -- Continued
- 929 General works
 - Agricultural wastes
- 930 General works
 - 930.2 Animal waste
 - 930.3 Crop residues
 - 930.4 Dairy waste
 - Pesticide waste see TD1066.P47
- 931 Parks, recreation areas, campgrounds, etc.
 - Cf. GV198.S3 Sanitation of organized camps
 - Cf. RA604 Environmental health
- (935) Sanitary engineering of other isolated plants
 - see TH6057+
- Low temperature sanitary engineering
 - 940 General works
 - 943 General special
 - 947 Water supply
 - 949 Sewage and refuse disposal and drainage
 - (1015) Washhouses and public laundries
 - see TH6057.L3
- Hazardous substances and their disposal
 - Including both municipal and industrial hazardous wastes other than radioactive
 - For municipal radioactive wastes see TD812+
 - For industrial radioactive waste see TD897.85+
- 1020 Periodicals, societies, congresses, etc.
- 1024 Directories
- 1030 General works
- 1030.5 Juvenile works
- 1032 Handbooks, manuals, etc.
 - By region or country
 - United States
 - General works
 - By region or state, A-Z
 - Subarrange each state by Table T4a
 - Other regions or countries, A-Z
 - Subarrange each country by Table T4a
- 1050.A-Z Special topics, A-Z
 - For local see TD1040+
- 1050.C57 Citizen participation
- 1050.C65 Classification
- 1050.C67 Cost control
- 1050.E58 Environmental aspects
- 1050.P64 Political aspects
- 1050.R57 Risk assessment

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| | Hazardous substances and their disposal |
| | Special topics, A-Z -- Continued |
| 1050.S24 | Safety measures |
| 1050.T43 | Technological innovations |
| 1050.T73 | Tracking |
| 1050.W36 | Waste minimization |
| 1052 | Hazardous waste sites (General) |
| | For local see TD1040+ |
| 1054 | Hazardous waste treatment facilities (General) |
| | Including surface impoundments |
| | For local see TD1040+ |
| | Special disposal methods |
| 1060 | General works |
| 1061 | Biodegradation |
| 1062 | Incineration |
| 1063 | Stabilization. Solidification |
| 1064 | Land disposal |
| | Including deep geologic disposal |
| 1066.A-Z | Special substances, A-Z |
| 1066.D45 | Dense nonaqueous phase liquids |
| 1066.G48 | Glycols |
| 1066.L57 | Lithium |
| 1066.M46 | Metals |
| 1066.O55 | Oil |
| 1066.O73 | Organic compounds |
| 1066.P47 | Pesticides |
| 1066.P64 | Polychlorinated biphenyls |

- Highway engineering. Roads and pavements
 Cf. HD9717.5.R6+ Road construction industry
 Cf. HE331+ Traffic engineering; economics of roads
 Cf. QH545.R62 Environmental effects
 Cf. TD888.R62 Air pollution
- Periodicals, societies, etc. By language of publication
- 1.A1 International or polyglot
 1.A3-Z English
 2 French
 3 German
 4 Other languages (not A-Z)
 5 Congresses
 Exhibitions. Museums
 6.A1 General works
 6.A2-Z By region or country, A-Z
 Subarrange each country by Table T4b
- 7 Collected works (nonserial)
 9 Dictionaries and encyclopedias
 12 Directories
 History
 15 General works
 16 Ancient
 17 Medieval
 18 Modern to 1800
 19 1800-
 21-127 Country divisions (Table T1a modified)
 Add country number in table to TE0
 Class government publications with "General works"
 Class special roads with "Local or special, A-Z" (or similar captions)
 Class special roads limited to a particular province, city, etc. with the province, city, etc.
- America
 North America
 United States
 For works on federal aid to highways see HE355+
- 25.5.A-Z Special roads not limited to one state or region. By name, A-Z
- Biography
 139 Collective
 140.A-Z Individual, A-Z
 e.g.
 140.M3 MacAdam
- General works
 144 Early to 1800
 145 1800-
 147 Elementary textbooks

- General works -- Continued
- 149 Juvenile works
- 151 Pocketbooks, tables, etc.
- 153 General special
- 155 Addresses, essays, lectures
- 175 Highway design
 - Including drawings and designs
- Interchanges and intersections
- 176 General works
- 176.3 Left-turn lanes
- 176.5 Traffic circles
- 176.8 Motor vehicle scales
- Roadside development. Landscaping
- 177 General works
- 178 Vegetation
- 178.8 Rest areas
- 180 Specifications
- 183 Estimates, quantities, and costs
- 185 Records, timekeeping, etc.
 - For accounts and accounting see HF5686.R6
- 191 Study and teaching
- 192 Highway research
- 195 Highway engineering management
- Materials for roadmaking (stone, etc.)
- 200 General works
- 203 General special
 - Including road-marking materials
- 205 Testing and inspection. Laboratory manuals
- Location engineering
- 206 General works
 - Soil surveys
 - Including physical tests, analysis of subgrade soils, soil profiles, etc.
- 208 General works
- 208.5 Trafficability of soils
 - Road surveys
- 209 General works
- 209.5 Aerial surveys
- Construction details
- Foundations
- 210 General works
 - Soil stabilization
 - Including soil compaction
 - Cf. S593.23 Agriculture
 - Cf. TA749 Earthwork
- 210.4 General works
- 210.5.A-Z Special methods and materials, A-Z

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| | Construction details |
| | Foundations |
| | Soil stabilization |
| | Special methods and materials, A-Z -- Continued |
| 210.5.B5 | Bitumen |
| 210.5.C3 | Calcium chloride |
| 210.5.F55 | Fly ash |
| 210.5.L5 | Lime |
| 210.5.S3 | Salt |
| 210.5.S6 | Soil cement |
| 210.8 | Fills and embankments |
| 211 | Subgrade structure |
| 212 | Base course |
| 212.5 | Shoulders |
| 213 | Culverts and small bridges |
| | Cf. TF282 Railroad engineering |
| 215 | Drainage |
| 216 | Bridge approaches |
| | Maintenance and repair |
| | Cf. TD813+ Street cleaning |
| 220 | General works |
| 220.3 | Overlays |
| 220.5 | Snow and ice control on roads and highways |
| | Cf. TD868+ Control of snow and ice on streets |
| 220.55 | Roadside litter control |
| | Cf. TD813+ Street litter and its removal |
| 220.63 | Dust control |
| 221 | Road binders, dust preventives, etc., for unpaved roads |
| | Including bituminous materials |
| | Machinery, road rollers, etc. |
| 223 | General works |
| 227 | Catalogs |
| 228 | Safety and traffic control devices |
| | Cf. HE370.A+ Traffic regulations |
| | Cf. TE203 Road-marking materials |
| | Communication systems |
| | Including intelligent transportation systems |
| 228.3 | General works |
| 228.37 | Vehicular ad hoc networks |
| 228.5 | Low-volume roads |
| 228.7 | Frontage roads |
| | Country roads |
| | Cf. TE280+ Paths |
| 229 | General works |
| 229.2 | Farm roads |
| 229.5 | Forest roads |
| | Cf. SD389 Forestry |

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| | Country roads -- Continued |
| 229.8 | Mountain roads |
| 229.9 | Scenic byways |
| | Special kinds of unpaved roads |
| 230 | Dirt roads. Earth and sand roads |
| 233 | Gravel |
| | Broken stone |
| 235 | General works |
| 237 | Stonebreaking for roads |
| 239 | Stonecrushers for road material |
| 241 | Telford roads |
| 243 | Macadam roads |
| 244 | Tarred roads (Construction) |
| 245 | Other varieties |
| | Including plank roads |
| 247 | Ice roads. Ice crossings. Ice bridges |
| | Pavements and paved roads |
| 250 | General works |
| 251 | Design |
| 251.5 | Performance |
| 252 | Specifications |
| 253 | Wood |
| 255 | Brick |
| | Stone |
| 257 | General works |
| 259 | Cobblestone |
| | Stone blocks |
| 261 | General works |
| 263 | Belgian |
| 265 | Oblong |
| | Bituminous pavements |
| | Cf. TE221 Road-binders, dust preventives, etc. |
| | Cf. TE244 Tarred roads (Construction) |
| 266 | Congresses |
| 270 | General works |
| 273 | Asphalt mixing machinery and plants |
| 275 | Asphalt and asphalt mixtures |
| 276 | Asphalt block |
| | Concrete roads and pavements |
| | Including reinforced concrete |
| 278 | General works |
| 278.2 | Joints |
| 278.6 | Prestressed concrete |
| 278.8 | Precast concrete |
| 279 | Streets |
| 279.3 | Driveways |

Pavements and paved roads -- Continued

Pedestrian facilities

Cf. NA9074 Architecture

279.5

General works

Sidewalks. Footpaths. Flagging

Cf. TH4970 Garden walks

280

General works

283

Earth, gravel, cinder

285

Wood

287

Brick

289

Stone

291

Cement. Concrete

293

Asphalt

295.A-Z

Other, A-Z

298

Curbs. Curbstones

301

Bicycle paths and tracks

303

Equestrian roads

304

Trails

305

Racetracks for automobiles (Construction)

(315-427)

Laws and legislation

see class K

450

Hauling tests. Traction tests

- Railroad engineering and operation
 Cf. HE1001+ Economic aspects of railroads
 Cf. TD893.6.R3 Noise control
- Periodicals and societies. By language of publication
- 1 English
 2 French
 3 German
 4 Other languages (not A-Z)
 5 Congresses
 Exhibitions. Museums
 6.A1 General works
 6.A2-Z By region or country, A-Z
 Subarrange each country by Table T4b
 7 Collected works (nonserial)
 9 Dictionaries and encyclopedias
 12 Directories, etc.
 For directories of U.S. railroads see HE2721
 For directories of other railroads see HE2801+
 For directories of supply dealers see TF355
 For directories of purchasing agents see TF359
- History
- 15 General works
 16 Antiquities
 Including early curiosities of railroad development and horse
 railroads
 19 Nineteenth century
 20 Twentieth century
 21-127 Country divisions (Table T1a)
 Add country number in table to TF0
 Class here only technical works, including works on the physical
 plants of individual railroads
- Biography
- 139 Collective
 140.A-Z Individual, A-Z
- General works
- 144 Early to 1850
 145 1850-
 146 Elementary textbooks
 147 Popular works
 148 Juvenile works
 149 Pictorial works
 151 Pocketbooks, tables, etc. (General)
 153 General special
 155 Addresses, essays, lectures
- Study and teaching. Research
- America
- 171 General works

- Study and teaching. Research
- America -- Continued
 - 173 United States
 - 176 Canada
 - 179 Latin America
 - 180 Europe
 - 181 Asia
 - 182 Africa
 - 183 Australia
- 190 Economics of location
 - Class here only technical works
 - Cf. HE1612+ Location, right of way, etc. (Economic aspects)
 - Cf. TF215+ Railroad surveying (General)
- 193 Estimates, costs, etc.
- 195 Specifications
- 197 Model railways
- Safety measures see TF610
- Railway construction
 - 200 General works
 - Including reconnaissance, surveying, and location
 - 203 General special
 - 205 Railroad engineering (Fieldbooks, tables, etc.)
 - 208 Preliminary operations
 - Railroad surveying
 - 210 General works
 - 212 Reconnaissance
 - 213 Preliminary surveying
 - 213.5 Aerial photography in railroad surveying
 - 214 Plotting, profiles, etc.
 - Location
 - 215 General works
 - 216 Curves and turnouts
 - 217 Transition spiral, etc.
 - Earthwork
 - Including rock cuttings
 - 220 General works
 - 222 Tables, calculations, etc.
 - Excavating machinery, steam shovels, etc.
 - 225 General works
 - 226 Catalogs
 - Tunnels and tunneling
 - 230 General works
 - 232 General special
 - Including special methods of tunnels, e.g. Pressure tunneling
 - Maintenance and operating of tunnels
 - 234 General works

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| | Railway construction |
| | Tunnels and tunneling |
| | Maintenance and operating of tunnels -- Continued |
| 235 | Ventilation |
| 236 | Lighting |
| 238.A-Z | Special tunnels, A-Z |
| | Permanent way. Superstructure. Roadway. Track |
| | Cf. TF530+ Maintenance and repair |
| 240 | General works |
| 241 | General special |
| 243 | Grades |
| 244 | Gauges |
| 245 | Drainage |
| 248 | Tracklaying machinery |
| | Details of the permanent way |
| 250 | Roadbed. Ballast |
| | Ties. Sleepers |
| 252 | General works |
| 254 | Wood |
| 255 | Iron and steel |
| 256.A-Z | Other, A-Z |
| 257 | Tie plates |
| | Rails |
| 258 | General works |
| 260 | Section-books, tables, etc. |
| 261 | Rail fastenings (fishplates, bolts, etc.) |
| 262 | Continuous rails |
| 263 | Crossings |
| | Cf. HE1617+ Grade crossings |
| 264 | Turnouts and curves (Construction) |
| | For location of curves and field work see TF216 |
| | Switches, frogs, etc. Points (English) |
| 266 | General works |
| 267 | Frogs |
| 268 | Guardrails |
| | Railway structures and buildings |
| | Cf. NA6310+ Architecture |
| 270 | General works |
| | Accessories to the permanent way |
| 271 | Track tanks |
| 272 | Ashpits, etc. |
| 274 | Y tracks |
| 275 | Turntables |
| 276 | Transfer tables (Chariots transbordeurs) |
| 277 | Fences, cattle guards, snow guards |
| | Viaducts, bridges, etc. see TG445 |
| 282 | Culverts, small bridges, cattle passes, etc. |

- Railway construction
 - Railway structures and buildings
 - Accessories to the permanent way -- Continued
 - (284) Trestles
 - see TG365+
 - Buildings, etc., other than structures enumerated above
 - 288 General works
 - 290 Water columns, cranes, and pipes
 - 292 Sand plants and bins
 - 294 Coalsheds and coaling plants
 - 296 Engine houses. Roundhouses
 - 298 Shops
 - Passenger depots, stations, and terminals
 - 300 General works
 - 302.A-Z Special places, A-Z
 - Freight yards and terminals
 - 305 General works
 - 308.A-Z Special places, A-Z
 - Railway docks
 - 315
 - Railway ferries
 - 320
 - Railway equipment and supplies
 - General works
 - 340 Periodicals, societies, etc.
 - 345 Treatises
 - 347 General special
 - Including standardization
 - 350 Railway machinery and tools
 - 355 Directories of dealers and manufacturers
 - 357 Catalogs of dealers and manufacturers
 - Including reports, histories, etc. of individual firms
 - Cf. TJ625.A+ Locomotives
 - 359 Directories of purchasing agents
 - 361 Inspection. Testing
 - 363 Specifications
 - 365 Railway patents
 - 368 Electrical equipment
 - Rolling stock and car building
 - For rolling stock of special places and roads see TF21+
 - For car service see TF600+
 - 371 Periodicals
 - 373 Dictionaries and encyclopedias
 - 375 General works
 - Including atlases
 - 376 Railway shops and shop practice. Repair shops
 - Cf. TJ680+ Locomotive shops
 - 377 General special
 - Details of car construction

Railway equipment and supplies

Details of car construction -- Continued

Car trucks

- 380 General works
- 383 Wheels
- 386 Axles
- 389 Bearings and lubrication
- 391 Springs
- 393 Shock absorbers

400 Car bodies

410 Couplers

413 Draft gear

Brake gear

415 General works

Airbrakes

420 General works

425 Westinghouse

430 New York

440 Car furnishings

Car sanitation, heating, lighting, and ventilation

445 General works

Lighting

447 General works

449 Electric lighting

451 Drinking water

453 Air conditioning

Varieties of cars

Passenger cars

455 General works

456 Dome cars

457 Parlor cars

459 Sleeping cars

461 Dining cars

Cf. TF668.A1+ Service

463 Baggage cars

467 Mail cars

Freight cars

470.A1 Periodicals, societies, congresses, etc.

470.A3-Z General works

475 Stock cars

477 Refrigerator cars

479 Coal and ore cars

481 Tank cars

485 Cabooses, tool cars, etc.

490 Derrick cars and wrecking cars

Motorcars

494 General works

- Railway equipment and supplies
 - Varieties of cars
 - Motorcars -- Continued
 - 495 Steam motorcars
 - 497 Gasoline motorcars
 - 498 Diesel motorcars
 - 499 Gas-turbine motorcars
 - Railway operation and management
 - For business administration see HE1621+
 - Periodicals and societies. By language of publication
 - For engineering and construction periodicals see TF1+
 - 501 English
 - 502 French
 - 503 German
 - 504 Other languages (not A-Z)
 - 505 General works
 - 506 Cold weather operation
 - 507 General special
 - Organization, etc., of staff and force
 - 510 General works
 - 512 General special
 - For wage tables, see HD4966.R1-.R45
 - Accounting see HE2241
 - 515 Classification of correspondence, maps, records, etc.
 - 518 Education and training of employees
 - Service rules and regulations
 - For regulations of particular branches of the service see TF530+
 - 520 General works
 - 522 Special roads
 - Maintenance and repair of permanent way
 - 530 General works
 - Roadmasters' and trackmasters' regulations
 - 535 General works
 - 536 Special roads
 - 537 Inspection. Testing
 - 538 Roadmasters' and trackmasters' manuals, etc.
 - 538.5 Track maintenance equipment
 - 539 Damage by natural disasters and its control
 - 541 Protection against sand. Removal of sand
 - 542 Protection against snow. Removal of snow and ice
 - 544 Removal of wrecks
 - 546 Removal of weeds. Weed-burners, etc.
 - 548 Ditches
 - Trains
 - Including the movement of trains and cars
 - 550 General works

- Railway operation and management
- Trains -- Continued
- 552 Train resistance
 - Cf. TF962 Car resistance
- Train speed
- 553 General works
- 554 Tables
- 555 Trainload. Ton-miles and coal computations
- 556 Train running
- Trainmen's manuals, etc.
- 557 General works
- (558) Wage tables
 - see HD4966.R45+
- 559 Train rules
- 561 Right-of-way
- 563 Train dispatching
- 565 Time schedules, etc., for making timetables
 - For timetables themselves see HE1805
- Special kinds of trains
 - For named trains and trains of special roads see TF21+
- Passenger
- 570 General works
- 573 Fast express
- Freight
- 580 General works
- 582 Piggyback trains
- 583 Unit trains
- Circus trains see GV1822
- 585 Other special kinds
- Terminal and yard management
- 590 General works
- 592 Switching of cars. Shunting
- 593 Making up trains
- 595 Engine house management. Roundhouse management
- Cars (Utilization and care)
 - Cf. HE1821+ Railway economics
 - Cf. TF371+ Car building
- 600 General works
- Car interchange systems. Car service associations
- 605 Periodicals, societies, etc.
- 606 General works
- 610 Safety measures, signals, etc.
 - For airbrakes, etc., see TF420+
- Signaling
 - Including telegraphic equipment
- 615 General works
- 617 General special

- Railway operation and management
- Signaling -- Continued
- 620 Tests of vision, color blindness, etc.
- 625 Hand signals, etc.
- Telegraph and telephone system. Radio and other electronic systems
- Cf. TK5569.T7 Train telegraph
- 627 General works
- 628 Special systems
- Including Bopp's
- 630 Block systems
- 635 Interlocking systems
- 638 Automatic train control
- 639 Other systems
- Including coded centralized traffic control
- 640 Catalogs of signaling appliances
- Railroad accidents see HE1779+
- Traffic operations
- 650 General works
- 652 Station management
- 653 Passenger traffic
- Cf. HE2561+ Economic aspects
- 654 Passenger tickets
- 656 Baggage
- 659 Express
- Freight
- 662 General works
- (663) Classification
- see HE2123 HE2311 etc.
- 664 Rate tables, etc.
- 666 Prorating and adjustment tables, etc.
- 667 Refrigerator service
- Dining car service
- 668.A1 Periodicals, societies, etc.
- 668.A2-Z General works
- Local and light railways
- For special places see TF21+
- 670 General works
- General special
- 673 General works
- 675 Narrow gauge railways
- For special places see TF21+
- 677 Industrial railways
- 678 Logging railways
- For special places see TF21+
- Mountain railways
- 680 General works

- Local and light railways
- Mountain railways -- Continued
- 682 Cable
 - Cf. TF835 Street railways
- 684 Rack
- 686 Gravity
- 688.A-Z Special railways. By place, A-Z
- 692 Atmospheric railways
- 693 Suspended railways
 - Cf. TJ1385+ Cableways, telpherage
- 694 Single-rail railways
- 695 Miscellaneous and curious railways
- Municipal and street railways. Interurban railways
- 701 Periodicals, societies, etc.
- 703 Directories
- Exhibitions. Museums
- 704.A1 General works
- 704.A2-Z By region or country, A-Z
 - Subarrange each country by Table T4b
- 705 General works
- 707 General special
- Rapid transit question
 - Cf. HE5351+ Interurban electric railways (Economic aspects)
- 710 General works
- Special places see TF721+
- Rolling stock, track, and equipment of street car systems
 - see TF863+
- 721-827 Country subdivisions (Table T1a)
 - Add country number in table to TF700
 - For special subways see TF847.A+
 - For special freight subways see TF851.A+
- 830 Horse railways
- 835 Cable railways
 - Cf. TF682 Mountain railways
- 838 Compressed air railways
- Elevated railways
- 840 General works
- 841.A-Z Special places, A-Z
- Underground railways. Subways
- 845 General works
- 847.A-Z Special places, A-Z
- Freight subways
- 850 General works
- 851.A-Z Special places, A-Z
- Electric railways
 - For special places see TF1021+

Electric railways -- Continued

Periodicals and societies see TF701

- 855 General works
- 856 Juvenile works
- 857 General special
- Electrification of steam railroads
 - 858.A1 Periodicals. Societies. Serials
 - 858.A2 Congresses
 - 858.A4 General works
 - 858.A5-Z Special countries, A-Z
 - 859.A-.Z4 Special cities (Terminals, etc.), A-Z
 - 859.Z5A-.Z5Z Special railroads, A-Z
- Construction
 - 863 Power production and distribution
 - Cf. TK1191+ Electric powerplants
 - 865 Roadbed
 - Track
 - 870 General works
 - 872 Rails
 - 873 Rail bonds, etc.
 - 875 General special
 - Power transmission systems
 - 880 General works
 - 885 Trolley (overhead wiring)
 - 890 Third-rail
 - 895 Underground conduits
 - 900 Other systems
 - 912 Losses in transmission. Stray currents
 - Cars. Street cars. Interurban cars
 - 920 General works
 - 925 Car wiring and equipment
 - 930 Controllers
 - 935 Railway motors
 - 940 Car lighting, headlights, etc.
 - 945 Car heating
 - 947 Safety devices
 - Including car fenders
 - 949 Details of car construction
 - 949.A9 Axles
 - 949.B7 Brakes
 - 949.G4 Gear wheels
 - 949.W5 Wheels
 - Supplies
 - 950 General works
 - 951 Directories
 - 952 Catalogs
 - Operation and management

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| | Electric railways |
| | Operation and management -- Continued |
| 960 | General works |
| 962 | General special |
| | Including cost of operation, car resistance |
| | Cf. TF552 Train resistance |
| 965 | Motormen's manuals |
| | For airbrake instructions see TF420+ |
| | Service rules and regulations |
| 967 | General works |
| 968 | Special companies |
| 970 | Freight service |
| 975 | Electric locomotives |
| | Cf. TN337 Electric mine locomotives |
| 980 | Electro-diesel locomotives |
| 1021-1127 | Electric railways. Special countries (Table T1a) |
| | Add country number in table to TF1000 |
| | Class here technical descriptions of special systems |
| | High speed ground transportation |
| 1300 | Periodicals, societies, serials, etc. |
| 1305 | Congresses |
| 1315 | History |
| 1321-1427 | Special countries (Table T1a) |
| | Add country number in table to TF1300 |
| | Biography |
| 1439 | Collective |
| 1440.A-Z | Individual, A-Z |
| 1450 | General works |
| 1455 | Juvenile works |
| 1460 | General special |
| | Construction (General) |
| 1470 | General works |
| 1480 | Power supply |
| 1490 | Guideways |
| | Operation and management (General) |
| 1500 | General works |
| 1510 | Signaling |
| 1520 | Communications |
| | Special systems |
| 1540 | Improved passenger train (IPT) |
| | Tracked levitated vehicle (TLV) |
| 1560 | General works |
| 1580 | Tracked air cushion vehicle (TACV) |
| 1600 | Magnetic levitation vehicle (MAGLVE) |
| 1620 | Tube vehicle system (TVS) |

Bridge engineering

Periodicals and societies. By language of publication

- 1 English
- 2 French
- 3 German
- 4 Other languages (not A-Z)

5 Congresses

Exhibitions. Museums

6.A1 General works

6.A2-Z By region or country, A-Z
Subarrange each country by Table T4b

7 Collections

9 Dictionaries and encyclopedias

12 Directories

History

15 General works

16 Ancient

17 Medieval

18 Modern

19 Nineteenth century

20 Twentieth century

21-127 Country divisions (Table T1a modified)

Add country number in table to TG0

Class here special bridges

America

North America

United States

25.A-Z Special places and special bridges, A-Z
e.g.

25.N5A2 New York. Report of Commissioner of Bridges

25.N53 New York. Brooklyn Bridge (Suspension)

25.N57 Niagara Falls. Suspension Bridge

25.N58 Niagara Falls. Cantilever Bridge

25.O43 Old Saybrook (Connecticut). New Baldwin Bridge

25.S15 St. Louis Bridge (Steel arch)

25.W3 Washington, D. C. Aqueduct Bridge

Canada

27.A-Z Special places and special bridges, A-Z
e.g.

27.M82 Montreal. Victoria Bridge (Tubular)

Europe

Great Britain

64.A-Z Special places and special bridges, A-Z
e.g.

64.B86 Britannia Bridge, Menai Strait (Tubular)

(64.F7) Forth Bridge
see TG64.S68

- Country divisions
 - Europe
 - Great Britain
 - Special places and special bridges, A-Z -- Continued
 - 64.L84 London. Tower Bridge
 - 64.M65 Monmouth (Wales). Monnow Bridge
 - 64.S68 South Queensferry (Scotland). Forth Bridge
 - France
 - 72.A-Z Special places and special bridges, A-Z
 - e.g.
 - 72.P23 Paris. Alexander III Bridge
 - Special companies (History, description, etc.), A-Z
- Biography
 - 139 Collective
 - 140.A-Z Individual, A-Z
- General works
 - 144 Early to 1800
 - 145 1800-
 - 147 Elementary textbooks
 - 147.5 Popular works
 - 148 Juvenile works
 - 149 Pictorial works
 - 151 Pocketbooks, tables, etc.
 - 153 General special
 - 155 Addresses, essays, lectures
 - 157 Catalogs of bridge building companies
 - 160 Atlases, plans, etc.
 - 170 Study and teaching
 - (215-255) Bridge legislation and laws
 - see class K
 - Structural analysis as applied to bridges
 - Including loads, stresses, and strains
 - 260 General works
 - 265 Structural dynamics. Vibration
 - 267 Tables, calculations, etc.
 - 270 Graphic statics in bridge engineering
 - Bridge design and drafting
 - Cf. TG160 Plans
 - 300 General works
 - 301 Pin proportioning
 - 302 Earthquake effects
 - 303 Wind pressure
 - 304 Snow and ice loads
 - 305 Bridge testing
 - 307 Models of bridges
 - 310 Bridge specifications
 - 313 Bridge estimates. Quantities and costs

| | |
|-------|--|
| 315 | Bridge erection, superintendence, maintenance and repair |
| 320 | Bridge foundations |
| 325 | Abutments and retaining walls for bridges |
| 325.6 | Floors |
| 326 | Bridge details |
| | Including bearings, etc. |
| | Special types of bridges |
| | Arched bridges |
| 327 | General works |
| 330 | Masonry bridges |
| | Concrete bridges |
| 335 | General works |
| 340 | Reinforced concrete bridges |
| | Beam and girder bridges |
| | Including the use of beams and girders in bridges |
| 350 | General works |
| 355 | Continuous girders |
| | Cf. TG413+ Continuous girder bridges |
| 360 | Plate girders |
| 362 | Box girders |
| | Trestles |
| 365 | Wood |
| 367 | Concrete and stone |
| 370 | Iron |
| | Truss bridges |
| 375 | Wood |
| 380 | Iron and steel |
| 385 | Cantilever bridges |
| 390 | Tubular bridges |
| 400 | Suspension bridges |
| 405 | Cable-stayed bridges |
| 410 | Metal arches and metal arch bridges |
| | Continuous girder bridges |
| 413 | General works |
| 414 | Reinforced concrete bridges |
| 416 | Metal bridges |
| 418 | Prefabricated bridges |
| | Cf. UG335 Military bridges |
| | Ice crossings, ice bridges, see TE247 |
| | Bridges for special uses |
| 420 | Movable bridges |
| | Including drawbridges and swing bridges |
| 425 | Highway bridges |
| 428 | Footbridges |
| 430 | Park and ornamental bridges |
| 435 | Ferry bridges |

TG

BRIDGE ENGINEERING

TG

Bridges for special uses -- Continued

445

Railway bridges

For special places see TG21+

Cf. TF282 Culverts, etc.

450

Pontoon bridges

Cf. UG335 Military bridges

Military bridges see UG335

470

Bridge accidents

- Building construction
 Cf. TA630+ Structural engineering
- Periodicals and societies. By language of publication
- 1 English
 2 French
 3 German
 4 Other languages (not A-Z)
- 5 Congresses
- Exhibitions. Museums
- 6.A1 General works
 6.A2-Z By region or country, A-Z
 Subarrange each country by Table T4b
- 7 Collected works (nonserial)
- 9 Dictionaries and encyclopedias
- 11 Builders' and contractors' bulletins
 Including prices, permits, etc.
- Directories of building supply companies, builders, and
 contractors
- 12 General works
 United States
- 12.5 General works
- 13.A-Z By region or state, A-Z
- 13.2.A-Z Other regions or countries, A-Z
- History and description
- 15 General works
- 16 Ancient
 Including primitive construction
- 17 Medieval
- 18 Modern to 1800
- 19 1801-
- 21-127 Country divisions (Table T1a)
 Add country number in table to TH0
- Biography
- 139 Collective
 140.A-Z Individual, A-Z
- General works
- 144 Early to 1850
- 145 1850-
- 146 Elementary works
- 148 Popular works
- 149 Juvenile works
- 151 Pocketbooks, tables, etc.
 Cf. TA151 Engineering pocketbooks
 Cf. TA685 Iron and steel construction
 Cf. TH434+ Estimates, quantities and costs

TH

BUILDING CONSTRUCTION

TH

- General works -- Continued
- 153 General special
 - Including dangerous structures, safety of exit, moving of structures, cold weather conditions
- 155 Addresses, essays, lectures
- 159 Building as a profession
- Study and teaching
- 165 General works
- 166 Examinations, questions, etc.
 - Special schools
 - United States
 - 210 General works
 - 211 Correspondence schools
 - 213.A-Z Other countries. By country and city, A-Z
- Research
- 213.5 General works
- 213.7.A-Z By region or country, A-Z
- Communication of building information
- 215 General works
- 216 Information services
- (219-255) Building laws, legislation, etc.
 - see class K
- 257 Patents
- 350 Engineering of the subdivision
 - Cf. TD160+ Planning and laying out of cities
- The building site
 - Cf. NA2540.5 Site planning (Architecture)
 - Cf. TK4399.B8 Electric lighting
- 375 General works
- 380 Landscape construction by builders
- 383 Prevention of soil erosion
- 385 Building layout
- 420 Building standards
- 425 Specifications (General)
 - For specifications for special types of building see TH4311+
- 431 Drawings
 - Including how to read plans
 - Cf. T379 Blueprint reading
 - Cf. TH2031 General details
- (432) Bookkeeping, etc. for the builder
 - see HF5686.B7
- Estimates. Measurements. Quantities and cost
- General works
- 434 Early to 1890
- 435 1890-

- Estimates. Measurements. Quantities and cost -- Continued
- 437 General special
Including data processing
Management of the construction site. Superintendence of building construction
- 438 General works
- 438.15 Cost effectiveness
- 438.2 Quality control
- 438.4 Scheduling
- 439 Building inspection
- 441 Building failures, errors, defects, etc.
Cf. TH9025+ Protection of buildings
- 443 Building accidents and their prevention
Maintenance and repair see TH3301+
- 447 Wrecking
- 449 Salvaging
- 451.A-Z Building companies, A-Z
Including circulars, prospectuses, etc.
- 453 Building performance
- 455 Catalogs of building supplies (General)
Cf. TH1655 Metalwork
Cf. TH2055 Building fittings
Architectural engineering. Structural engineering of buildings
Cf. TH1111 Wooden buildings
- 845 Treatises
- 846 Elementary textbooks
- 851 Pocketbooks, tables, etc.
- 860 Modular coordination
Cf. NA2685+ Drafting
Cf. NA2750+ Design
- 880 Sustainable buildings. Sustainable construction
Including building while following sustainable construction methods
For works on ecological houses see TH4860
Cf. NA2542.36 Architecture
- 891 Wind pressure
- 893 Rain loads
- 895 Snow loads
Insulation see TH1715+
Architectural acoustics see NA2800
Soundproof construction see TH1725
Construction equipment in building
Including machinery used in building construction
Cf. TJ793.2 Internal combustion engines for construction equipment
- 900 General works

- 915 Construction equipment in building -- Continued
 Tools and implements (General)
 Cf. TH5618 Carpenters' tools
 Cf. TH6299 Plumbers' tools
- 1000 Systems of building construction
 Cf. TA401+ Building materials
 Industrialized building
 Cf. TH1098 Prefabricated and portable buildings
 Fire-resistive or fireproof building construction
 Cf. TH9057+ Lightning rods
 Cf. TH9111+ Fire prevention
 Cf. TP265+ Chemistry of fire and fire prevention
- 1061 Periodicals, societies, etc.
- 1065 General works
- 1069 General details
 Including fire doors and shutters, wire glass windows, etc.
 For fire escapes see TH2274
 Systems of fireproofing and special materials
 Including catalogs
- 1073 Wood and other organic material
 Including impregnated wood, fire-retardant coatings
- 1074 Fire resistant plastics
- 1074.5 Fire resistant polymers
- 1075 Asbestos
 Earthenware, brick, tile, terra-cotta
 Including combinations with steel, etc.
- 1077 General and solid forms
- 1083 Hollow earthenware
- 1087 Cement and concrete
 Including reinforced concrete
 Cf. TH1461+ Concrete building construction
- 1088 Reinforcing materials
- 1088.5 Smoke control systems
- 1088.56 Steel
- 1089 Tile-concrete combination systems
 Tests of fire-resistant construction (General). Fire testing
 Including artificial tests
 For tests of special systems see TH1099
 Cf. TH9446.3+ Fire testing of materials
- 1091 General works
- 1092 Tests of building materials
- 1093 Tests in fires
 General conflagrations, not artificial tests
- 1094 Earth movements and building. Subsidences, etc.
 General works

- Systems of building construction
 - Earth movements and building. Subsidences, etc. --
 - Continued
- 1095 Earthquakes and building
 - Cf. TA654.6 Earthquake engineering
 - Cf. TA658.44 Earthquake resistant design
- 1095.5 Construction on contaminated sites
- 1096 Stormproof construction
- 1097 Bombproof construction. Bombproof shelters. Fallout shelters
 - Cf. TH7392.A8 Heating and ventilation of atomic bomb shelters
- 1098 Waterproof construction see TH9031+
 - Prefabricated and portable buildings
 - Cf. NA8480 Architecture
- 1099 Air-supported structures
- 1100 Lightweight construction
- 1101 Wood building construction
 - For floor framing see TH2311
 - For roof framing see TH2393
 - For scaffolding see TH5281
 - For centering and centers see TH5591
 - For carpentry and joinery see TH5601+
 - Cf. TA666+ Wooden construction (General)
- 1111 Architectural engineering of wooden buildings
 - Architectural woodwork
 - Cf. TH8581+ Decorative woodwork
- 1151 General works
- 1155 Catalogs
- Masonry building construction
 - Cf. TA670+ Masonry construction (General)
 - Cf. TH5311+ Practical masonry
- 1199 General works
- 1201 Stone building construction
 - For stone construction (General) see TA676
 - For artificial stone building construction see TH1451
 - For stonemasonry and stonecutting see TH5401+
- 1301 Brick building construction
 - For brick construction (General) see TA679
 - For bricklaying see TH5501+
- (1375) Terra-cotta and hollow tile building construction
 - see TH1077+
- 1421 Pisé, earth-wall or pressed-earth building construction
- 1431 Ice and snow building construction
- 1451 Artificial stone building construction
- Concrete building construction. Cement and stucco
 - For concrete construction (General) see TA680+
- 1461 General works

- Systems of building construction
 Concrete building construction. Cement and stucco --
 Continued
- 1465 Specifications
- 1491 Concrete-block building construction
- 1498 Precast concrete construction
- 1501 Reinforced concrete construction
 For reinforced concrete construction (General) see
 TA682.92+
 For reinforced concrete fireproof building construction
 see TH1087
- 1550 Staff building construction. Papier mâché, etc.
- 1555 Fiber building boards
 Cf. TH1715+ Insulation
- 1560 Glass construction
 Cf. TA450 Glass (Structural material)
 Cf. TH8251+ Glazing
- Iron and steel building construction
 For iron and steel construction (General) see TA684+
 Cf. TH4818.S73 Steel house construction
- General works
- 1610 Before 1890
- 1611 1890-
- 1615 Juvenile works
- 1619 Estimates
- 1621 Pocketbooks, tables, etc.
- 1625 Catalogs of buildings
 Forms of construction
- 1635 Space frame structures
- Architectural metalwork. Sheet metal, castings, etc.
 For gratings see TH2273
- 1651 General works
- 1655 Catalogs (General)
 Special materials
- 1675 Metal sheathing. Metal lathing
 Reinforcing materials in fireproof building construction
 see TH1088
- Insulation and insulating materials
 Including thermal properties of walls
 Cf. TJ163.26+ Energy conservation
 Cf. TP490+ Refrigeration
- 1715.A1 Periodicals, societies, etc.
- 1715.A2-Z General works
- 1718 Cellulose insulation
- 1719 Sealing. Airtight construction
- 1720 Sheathing papers

TH

BUILDING CONSTRUCTION

TH

| | |
|---------|---|
| | Systems of building construction -- Continued |
| 1725 | Soundproof construction. Noise in buildings Cf. NA2800 Architectural acoustics |
| 1727 | Acoustical materials |
| | Details in building design and construction |
| 2025 | General works |
| 2031 | Structural drawings Cf. TH431 Drawings (General) |
| 2055 | Catalogs of building fittings (General) Cf. TH1155 Architectural woodwork Cf. TH1655 Architectural ironwork Cf. TH6010+ Building fittings and their installation |
| 2060 | Joints in buildings |
| 2101 | Foundations Including works from the engineering standpoint Cf. TH2221 Foundation walls Cf. TH5201 Practical construction |
| 2140 | Piers |
| | Arches and vaults |
| 2150 | General works |
| 2160 | Vaults |
| | Domes |
| | Cf. TH2416+ Shell roofs |
| 2170 | General works |
| 2170.5 | Concrete domes |
| 2170.52 | Geodesic domes |
| 2170.7 | Masonry |
| 2180 | Towers |
| | Walls |
| | Cf. TH5311+ Masonry |
| 2201 | General works |
| 2221 | Foundation walls |
| | Walls above surface |
| 2231 | General works |
| | Exterior walls |
| 2235 | General works |
| 2238 | Curtain walls. Cladding |
| 2238.5 | Siding |
| 2238.7 | Exterior insulation and finish systems |
| 2239 | Interior walls |
| | Special materials |
| 2243 | Brick walls |
| 2244 | Clapboard walls |
| 2245 | Concrete walls |
| 2247 | Sheet metal walls Cf. TH1651+ Architectural metalwork |
| 2249 | Stone walls |

Details in building design and construction

Walls -- Continued

Wall details

- 2251 General works
- 2251.2 Balconies
- 2251.5 Veneers

Other special accessories

Columns. Capitals

- 2252 General works
- 2253 Catalogs
- 2255 Abutments

Building-integrated photovoltaic systems see TK1087

- 2258 Fixed ladders

- 2259 Ramps

Window and door openings and their fittings

Including lintels, plate-bonds, sills, reveals, caps, trimmings

- 2261 General works

- 2264 Window openings

- 2265 Bay and bow windows

Windows and doors and their fittings

Cf. TH1069 Fire doors and shutters

Cf. TH1155 Woodwork catalogs

Cf. TH8251+ Glazing

Cf. TH9720+ Burglar-proof construction

- 2270 General works

- 2271 Catalogs of door and window fittings

- 2272 Sashes. Frames

- 2273 Gratings. Window guards

- 2274 Fire escapes and fittings

- 2275 Windows

For skylights see TH2486+

- 2276 Shutters, blinds, screens, and other window fittings

Doors. Sliding and folding doors. Screen doors. Fire doors

- 2278 General works

- 2279 Door fittings. Locks, knobs, etc.

Chimneys and flues

Cf. TH4591 Chimneys for powerplants

Cf. TJ330+ Boiler plant engineering

- 2281 General works

- 2284 Smoky chimneys and their remedy

Cf. TD884 Smoke prevention

- 2285 Soot removal

Fireplaces see TH7421+

- 2288 Mantelpieces

Cf. TH1151+ Architectural woodwork

Details in building design and construction -- Continued

Framing (House framing, etc.)

Cf. TH1101 Wood building construction

Cf. TH1610+ Iron and steel building construction

2301

General works

2311

Floor framing

Cf. TH2521+ Floors and flooring

Roof framing, roofs and roofing

Cf. TH5619 Steel square and its uses

2391

General works

2392

Roof trusses

2393

Roof framing. Rafters, etc.

2397

Special tools and appliances

Including rafter gages

2398

Rafter tables, etc.

Roofs

2401

General works

2404

Retractable roofs

2405

Mansard roofs

2407

Saddle roofs

2409

Flat roofs

Shell roofs

2416.A1

Periodicals, societies, etc.

2416.A3-Z

General works

2417

Suspension roofs

Roofs for special parts of the building

2421

General works

2423

Bay window roofs

2425

Porch and veranda roofs

Roofing

2430

Periodicals, societies, congresses, etc.

2431

General works

2433

Catalogs of roofing (General)

2435

Thatch roofing

2438

Board roofing

2441

Shingle roofing

Stone roofing

2444

General works

2445

Slate roofing

2446

Concrete roofing

2447

Plastic roofing

2448

Tile roofing

2449

Textile roofing

Composition roofing

2450

General works

2451

General special

Including tar, felt, gravel, slag, etc.

Details in building design and construction

Roof framing, roofs and roofing

Roofing -- Continued

2452

Single-ply roofing

Metal roofing

Cf. TH1651+ Architectural woodwork

Cf. TS600+ Roofing catalogs

2454

General works

2455

Tin roofing. Tin shingling

2457

Iron and steel roofing

2458

Lead and copper roofing

2459

Aluminum roofing

Roof details

Cf. TH1651+ Architectural woodwork

Cf. TH2433 Roofing catalogs

2481

General works

Cornices and moldings

Cf. TH1151+ Architectural woodwork

Cf. TH2553 Interior cornices and moldings

2482

General works

2483

Catalogs

Skylights and ventilators

2486

General works

2487

Skylights

(2489)

Ventilators

see TH7683.V4

2491

Hatchways. Scuttles

2493

Gutters, eave troughs, down spouts, and conductors

2495

Finials and bannerets. Vanes

Floors and flooring

For floors and flooring in special types of buildings, see the type of building, e.g. TH4534 Packinghouses

Cf. TH2311 Floor framing

Cf. TH8541+ Tile

2521

General works

Flooring

For carpets, rugs, etc. see TS1772+

2525

General works

2528

Maintenance and care

2529.A-Z

Special types. By material, A-Z

2529.C6

Concrete (Nonstructural)

Linoleum see TS1779.L5

2529.M4

Metal

2529.P5

Plastic

Including asphalt and vinyl

2529.S7

Stone

Tile (Ceramic) see TH8541+

Details in building design and construction

Floors and flooring

Flooring

Special types. By material, A-Z

2529.W6

Wood. Parquetry

Ceilings and centerpieces

Cf. NA2950 Architecture

Cf. TH8120+ Plastering

2531

General works

2533.A-Z

Special types, A-Z

2533.S88

Suspended

2533.W66

Wooden

Partitions

2541

General works

2544

Shoji screens

2547

Wainscots

2553

Moldings and cornices (Interior)

Cf. TH1155 Woodwork catalogs

Cf. TH2482+ Exterior cornices

Cf. TH8581+ Decorative woodwork

2555

Shelving

For mantelpieces see TH2288

3000.A-Z

Special rooms, A-Z

3000.A74

Areaways

3000.A86

Attics

3000.B36

Basements

3000.B38

Bathrooms

3000.C55

Closets

3000.C73

Crawl spaces

3000.L63

Lofts

3000.R43

Recreation rooms

3000.S85

Sunspaces

Maintenance and repair

Cf. TH4817+ Dwellings

Cf. TH6013 Maintenance of equipment

Cf. TX323 Care of the house (Home economics)

3301

General works

3311

General special

Maintenance

3351

General works

3361

General special

Repair. Rebuilding. Remodeling

3401

General works

3411

General special

Buildings: Construction with reference to use

Including specifications and construction of individual or named buildings

Buildings: Construction with reference to use -- Continued

Public buildings

Cf. NA4170+ Architecture

- 4021 General works
 (4161) Monuments, memorial arches
 see NA9320+
 (4171) Mausoleums, etc.
 see NA6120+
 4221 Churches
 Cf. NA4790+ Architecture
 4224 Pagodas
 Other public buildings, see TH4755+
 Commercial buildings. Office buildings
 Cf. NA6210+ Architecture
- 4311 General works
 4315 Estimates. Measurements. Quantities and costs
 (4411) Transportation buildings
 see NA6300+ TA1225
 (4421) Railway stations
 see NA6310+
 (4431) Dock buildings
 see TC355
 (4441) Ferry houses
 see NA6330
- Storage buildings
- 4451 Warehouses
 Cf. NA6340+ Architecture
 4461 Grain elevators
 Cf. NA6350 Architecture
 Cf. TH4498 Bins (General)
 Cf. TJ1415+ Grain-handling machinery
 4471 Coal-handling plants
 Cf. TH4498 Bins (General)
 Cf. TJ1405 Coal-handling machinery
 4481 Icehouses (Commercial)
 Cf. NA6360 Architecture
 4485 Lumberyards, sheds, etc.
 4498 Bins (General)
 Cf. TH4461 Grain elevators
 Cf. TH4471 Coal-handling plants
 4499 Other storage buildings
 Cf. NA6290+ Architecture
- Factories and mills. Industrial plants
 Cf. NA6396+ Architecture
 Cf. TN675.5+ Metallurgical plants and furnaces
 Cf. TS186 Factory buildings
- 4511.A1 Periodicals, societies, etc.

- Buildings: Construction with reference to use
 Factories and mills. Industrial plants -- Continued
- 4511.A2-Z General works
 - 4516 General drawings of factory construction
 - 4518 Underground factories
 - 4521 Textile mills
 - 4522 Clothing factories
 - 4524 Chemical plants
 - 4526 Food processing plants
 - 4531 Breweries
 - 4532 Distilleries
 - 4533 Electronics plants
 - 4534 Packinghouses
 - 4536 Paper and pulp mills
 - 4536.5 Printing plants
 - 4537 Rolling mills
 - 4538 Water treatment plants
 - 4541 Other special factories and mills
 - 4561 Mine buildings and other structures
 - 4571 Refineries
 - Power plants
 - 4581 General works
 - 4591 Chimneys. Smokestacks
 - Cf. TD884 Smoke prevention
 - Cf. TH2281+ Chimneys (General)
 - Cf. TJ330+ Boiler plant engineering
 - Educational buildings
 - (4621) Schools
 - see LB3205+ NA6600+
 - (4631) Libraries
 - see Z679
 - (4641) Art museums and galleries
 - see N450+
 - (4651) Exhibition buildings
 - see NA6750; T391+
 - 4652 Research buildings. Laboratories
 - Cf. NA6751 Architecture
 - 4655 Radio stations
 - 4656 Television stations
 - (4661) Hospitals
 - see RA960+
 - For psychiatric hospitals see RC438.92+
 - 4711 Recreation buildings. Park buildings
 - Cf. NA6800+ Architecture
 - 4714 Stadiums
 - Other public buildings

Buildings: Construction with reference to use

Other public buildings -- Continued

- 4755 Restaurants
 - Cf. NA7855+ Architecture
- 4758 Embassy buildings
- 4761 Baths
 - Cf. NA7010 Architecture
 - Cf. RA605+ Public health
- 4763 Swimming pools
- (4765) Public comfort stations
 - see RA607
- 4800 Clubhouses
 - Cf. NA7910+ Architecture
- Houses. Dwellings
 - Cf. NA7100+ Architecture
 - Cf. TK7881.25 Home automation
- 4805 Periodicals, societies, congresses, etc.
- History and description
- 4808 General works
- 4809.A-Z By region or country, A-Z
- 4811 General works
- 4811.5 Juvenile works
- 4812 General special
- 4813 Handbooks, manuals, etc.
- 4814 Research
- 4815 Amateur construction manuals
- 4815.4 House construction contracting
 - Including hiring a contractor
- 4815.5 Standards. Specifications
- 4815.8 Estimates. Measurements. Quantities and costs
- Remodeling
 - 4816 General works
 - 4816.15 Access for people with disabilities. Barrier-free design
 - 4816.2 Additions
 - 4816.3.A-Z Special rooms, A-Z
 - 4816.3.A77 Attics
 - 4816.3.B35 Basements
 - 4816.3.B37 Bathrooms
 - 4816.3.B43 Bedrooms
 - 4816.3.C45 Children's rooms
 - 4816.3.K58 Kitchens
 - 4816.3.L57 Living rooms
 - Office decoration see NK2195.O4
 - 4816.3.O34 Offices
- Maintenance and repair
 - 4817 General works
 - 4817.3 Amateurs' manuals

Buildings: Construction with reference to use

Houses. Dwellings -- Continued

- 4817.5 State of repair. House buyers' guides
Cf. HD1379 Popular guides in real estate business
- 4818.A-Z Construction in special materials, A-Z
- 4818.A3 Adobe. Earth
- 4818.B3 Bamboo
- 4818.B7 Brick
- 4818.C6 Concrete blocks
Earth see TH4818.A3
- 4818.M37 Masonry
- 4818.P3 Paperboard
- 4818.P53 Plaster
- 4818.P7 Precast concrete
- 4818.R4 Reinforced concrete
- 4818.S55 Sod
- 4818.S6 Soil cement
- 4818.S73 Steel
- 4818.S75 Stone
- 4818.S77 Straw
- 4818.T57 Tires
- 4818.W6 Wood
- 4819.A-Z Special methods of construction, A-Z
- 4819.E27 Earth sheltered houses
- 4819.M6 Mobile homes
Cf. TL297+ Trailers
Cf. TX1100+ Mobile home living
- 4819.P7 Prefabricated
- 4819.S5 Slab-on-ground
- Special types of houses
Cf. TH4920 Farmhouses
- 4820 Apartment houses
- 4822 Blackhouses
- 4825 Terrace houses
- 4835 Summer homes
- 4840 Log cabins
- 4850 Country homes
- 4860 Ecological houses
- 4870 Yurts
- 4880 Fishing lodges
- 4885 Tree houses
- 4890 Other shelters (not A-Z)
- Farm buildings
Cf. NA8200+ Architecture
Cf. S770+ Agriculture
- 4911 General works
- 4916 Handbooks, tables, etc.

Buildings: Construction with reference to use

Farm buildings -- Continued

- 4920 Farmhouses
Cf. NA8208+ Architecture
- 4930 Barns. Poultry houses
- 4935 Silos
- 4940 Machine-tractor stations
- Minor buildings. Fences, gates, etc.
- 4955 General works
- 4960 Garages. Carports
Cf. NA8348 Architecture
- Garden structures
Including building of structural elements for landscape construction
- 4961 General works
- 4961.5 Barbecues
- 4962 Garden toolsheds
- 4963 Gazebos
- 4965 Fences, gates, etc.
- 4967 Playhouses, Children's
Cf. TH4885 Tree houses
- 4970 Terraces, patios, decks, garden walks, etc.
Cf. NA8375 Architecture
- 4975 Privies. Outhouses
Cf. TD775 Sewage disposal
- 4977 Fountains
Cf. NA9400+ Architecture
- Construction by phase of the work (Building trades)
For works from the engineering standpoint, see TH1101+
- 5011 General works
- 5101 Earthwork and excavation in building
Including operations, tools, etc.
- 5201 Foundation work in building
Cf. TA775+ Foundations (General engineering)
- Temporary structures in building
- 5280 General works
- 5281 Scaffolding in building. Shoring. Staging
Cf. TA682.44 Formwork for concrete construction
Cf. TH5591 Centering
- Masonry in building
Class here practical methods, operations, tools, etc.
Cf. TA425+ Masonry materials
Cf. TA670+ Masonry construction (General)
Cf. TH1199+ Masonry building construction
(Engineering)
- 5311 Treatises
- 5313 Elementary manuals

Construction by phase of the work (Building trades)

Masonry in building -- Continued

- 5317 Addresses, essays, lectures
- 5321 General special
- 5330 Estimates, quantities and cost measurements, etc.
- 5371 Pointing and stucco
- Stonemasonry and stonecutting
 - For stone building construction see TH1201
 - For walls, design, etc. see TH2201+
- 5401 General works
- 5411 Elementary manuals
- 5421 General special
- 5440 Tools for stonemasons and stonecutters
- Bricklaying in building
 - For brick building construction see TH1301
 - For walls, design, etc. see TH2201+
- 5501 General works
- 5511 Elementary manuals
- 5520 Cleaning of masonry, stone, brick, etc.
- (5551) Cement and concrete work
 - see TA680+
- 5591 Centering of arches
 - For scaffolding see TH5281
- Carpentry and joinery
 - Cf. TH1101 Wood building construction
 - Cf. TS840+ Woodworking
- 5601 Periodicals
- General works
- 5603 Early to 1800
- 1800-
 - 5604 General works
 - 5605 Graphic treatises
 - Plates or drawings, with text subordinate
- 5606 Beginners' manuals. Elements
- 5607 Popular works. Home carpentry
- 5608 Pocketbooks and tables. Handbooks and compilations of rules
- 5608.5 Examinations, questions, etc.
- 5608.7 General special
- 5608.8 Vocational guidance
- 5609 Specifications
- 5611 Drawing and drawings for carpentry and joiner
- Mathematics
 - 5612 General works
 - 5613 Slide-rule calculations in carpentry and joinery
- Estimates, quantities and cost, measurements, etc.
- 5614 Before 1850

Construction by phase of the work (Building trades)

Carpentry and joinery

Estimates, quantities and cost, measurements, etc. --

Continued

5615

1850-

5618

Tools for carpenters and joiners

Including catalogs

5619

The steel square and its uses

Finish carpentry

5640

General works

Joinery

5662

General works

5663

Elementary manuals

Stairbuilding

Including iron, wood, and stone

5667

General works

Stair and handrail joinery. Wooden stairbuilding

5670

General works

Stair joinery

5671

General works

5673

Tables of treads and risers

Handrail joinery. Stair railings

5675

General works

5677

Tools and appliances for handrail joinery

5680

Catalogs

5691

Mitering

For exterior moldings see TH2482+

For interior moldings see TH2553

5695

Trim carpentry

Metalworking

Cf. TH1651+ Architectural metalwork

5701

General works

Steel-girder riveting, etc. see TA891

Building fittings and their installation

Including mechanical equipment

Cf. TH2055 Catalogs of building fittings

Cf. TK4001+ Applications of electric power

6010

General works

6012

Building control systems

Cf. TH7466.5 Heating control

Cf. TH7687.7 Air conditioning systems and details

6013

Maintenance and repair

Environmental engineering of buildings. Sanitary engineering
of buildings

Class here works on general and household plumbing, heating,
lighting, air conditioning, soundproofing, etc., treated
collectively

Class special aspects with the subject, e. g. TH7201+ Heating;
TH1725 Soundproofing

- 6014 Periodicals, societies, congresses, etc.
6014.5 Dictionaries and encyclopedias
6015 Directories
6021 General works
6024 Handbooks, manuals, etc.
6025 General special
6028 Addresses, essays, lectures
6031 Design of systems
6051 Specifications
6053 Building orientation
6057.A-Z Installations in special classes of buildings. By class, A-Z
6057.A6 Apartment houses. Dwellings
6057.C6 Canneries
Dwellings see TH6057.A6
6057.F3 Factories
6057.F35 Farm buildings
6057.I53 Industrial buildings
6057.L3 Laundries, Public
6057.M87 Museum buildings
6057.O4 Office buildings
6057.P8 Public buildings
6057.R4 Restaurants, lunchrooms, etc.
6057.T23 Tall buildings
6057.T3 Theaters
6057.W55 Wineries
6059.A-Z Installations within special buildings. By name, A-Z
Sanitary crafts
General works
6071 Early to 1875
6072 1875-
6073 Textbooks
6081 Study and teaching. Schools
(6085) Legislation
see class K
Plumbing and pipefitting
Including household plumbing
Cf. TH6703+ Pipefitting
6101 Periodicals, societies, etc.
6107 Collected works (nonserial)
6109 Dictionaries and encyclopedias

Plumbing and pipefitting -- Continued

- 6112 Directories
- History
- 6115 General works
Special countries
United States
- 6116 General works
- 6117.A-W States, A-W
- 6118.A-Z Cities, A-Z
- 6119.A-Z Other regions or countries, A-Z
- General works
- 6121 Early to 1875
- 6122 1875-
- 6123 Textbooks
- 6124 Popular works. Juvenile works
- 6125 Pocketbooks, tables, etc.
- 6126 General special
- 6127 Addresses, essays, lectures
- 6128 Examinations, questions, etc.
- 6130 Vocational guidance
- Study and teaching
- 6131 General works
By region or country
Individual institutions are classed by state or country without further subdivision
United States
- 6151 General works
- 6152.A-Z By region or state, A-Z
- 6153.A-Z Other regions or countries, A-Z
- (6161-6175) Laws and regulations
see class K
- General special
- 6225 Specifications
- 6231 Drawing and drawings
Bookkeeping for plumber and pipefitter see HF5686.P7
Estimates. Measurements. Quantities and costs
- 6234 Early to 1850
- 6235 1850-
- 6238 Superintendence
- 6239 Inspection
- 6241 Testing
Cf. TH6617 Testing for leakage
- Plumbing fixtures and fitting supplies
- 6249 General works
- 6252 Standards

Plumbing and pipefitting

General special

Plumbing fixtures and fitting supplies -- Continued

6255

Catalogs of plumbing and fitting supplies

Cf. TH6299 Plumbers' tools

Cf. TH6529 Catalogs of water-supply fixtures

Cf. TH6589 Catalogs of drainage fixtures

Cf. TH6729 Catalogs of pipefittings

(6280)

Systems of domestic water supply, drainage, etc.

see TH6521+

6288.A-Z

Special installations. By name, A-Z

Plumbing work

Cf. TH6681+ Maintenance work

6291

General works

Laying pipes. Joints. Pipefitting

Cf. TH6703+ Pipefitting (General)

6293

General works

6294

Pipe bending

6295

Joint-wiping

6297

Soldering, solder, and fluxes in plumbing

Cf. TH6691 Lead burning

6299

Plumbers' tools and apparatus

Cf. TH6255 Catalogs of plumbing fixtures, etc.

Plastics in plumbing

6325

General works

6330

Plastic tubes and pipes

Cf. TA448 Testing of plastic pipes

Cf. TP1185.P5 Manufacture of plastic pipes

Plumbing of special rooms and areas

Bathrooms. Toilet rooms. Lavatories

For public comfort stations see TH6515.P9

6485

General works

6486

General special. Specifications, etc.

6487

Systems

Details. Fixtures

6488

General works

6489

Catalogs of bathroom fixtures

6490

Basins

Baths

Cf. TH6518.B3 Public baths

6491

General works

6492

Shower baths. Sprays

6493

Tubs

6494

Foot baths

6495

Sitz baths

6496

Bidets

6497

Soil fixtures

- Plumbing and pipefitting
 - Plumbing of special rooms and areas
 - Bathrooms. Toilet rooms. Lavatories
 - Details. Fixtures -- Continued
 - 6498 Water closets. Toilets
 - 6499 Urinals
 - 6500 Flush tanks and auxiliary valves, etc.
 - 6501 Hot tubs
 - Laundry plumbing
 - For public laundry plumbing see TH6518.L3
 - 6502 General works
 - 6503 Systems
 - Details
 - 6505 Washtubs
 - Kitchen and pantry plumbing
 - For range water-heating see TH6553+
 - For kitchen boilers see TH6563
 - For kitchen and laundry drainage systems see TH6661
 - For refrigerator plumbing see TH6671.R3
 - 6507 General works
 - 6508 Catalogs
 - 6509 Systems
 - Details
 - 6511 Sinks
 - 6512 Grease traps
 - For traps (General) see TH6631+
 - 6515.A-Z Plumbing of special buildings, A-Z
 - 6515.A6 Apartment house plumbing
 - 6515.F2 Factory plumbing
 - 6515.F3 Farmhouses
 - Hospitals and health facilities see RA969.33
 - 6515.H8 Hotel plumbing
 - 6515.O3 Office building plumbing
 - 6515.P9 Public comfort station plumbing
 - 6515.S4 Schools, universities, etc.
 - 6515.T35 Tall buildings
 - Tenement house plumbing see TH6515.A6
 - 6518.A-Z Plumbing for special establishments, A-Z
 - 6518.B2 Bar (saloon) plumbing
 - 6518.B3 Baths, Public
 - 6518.C3 Carriage house plumbing
 - Laundries, Domestic (Plumbing) see TH6502+
 - 6518.L3 Laundries, Public
 - 6518.S6 Soda fountain plumbing
 - For soda water apparatus see TP635

Plumbing and pipefitting -- Continued

Water supply

- For municipal water supply see TD201+

- For cold water supply see TH6541+

- For hot water supply see TH6551+

- For pumps see TJ899+

6521

- General works

6523

- General special. Specifications, etc.

(6525)

- Rural domestic water supply

- see TD927

Details

6527

- General works

6528

- Valves. Faucets

- For filters see TD449

6529

- Catalogs of water-supply fixtures

- Catalogs of pipefittings see TH6729

6531

Theory

(6535)

- Domestic means of supply

(6538)

- Water measurement and meters

- see TD499+

Cold water supply

6541

- General works

Systems

6542

- General works

6544

- Flushing systems (Automatic, etc.)

6545

- Storage systems. Storage tanks

- For fire storage tanks or towers see TH9332+

(6547)

Details

- see TH6527+

Hot water supply. Water heaters

6551

- General. Tank systems. Cylinder systems

Systems of heating

- For systems of supply see TH6567

6552

- General works

Range water heaters

- For kitchen plumbing (General) see TH6507+

- For range boilers see TH6563

6553

- General works

6554

- Types

Details

6555

- Water backs

6556

- Water heating coils

6557

- Thermostats

Steam water heaters

6558

- General works

6559

- Steam coil tanks

6560

- Steam condensation heating tanks

- Plumbing and pipefitting
 - Hot water supply. Water heaters
 - Systems of heating -- Continued
 - 6561 Gas water heaters
 - 6561.5 Electric water heaters
 - 6561.7 Solar water heaters
 - Cf. TJ809+ Solar energy
 - Storage of hot water
 - 6562 General works
 - 6563 Kitchen boilers and supports
 - 6564 Hot water tanks (used with water heaters)
 - Explosions and their prevention. Kitchen boiler explosions
 - 6565 General works
 - 6566 Valves and blow-off cocks
 - Cf. TJ350+ Safety appliances for steam boilers
 - 6567 Systems of supply
 - For systems of heating see TH6552+
 - 6568 Connections and circulation piping
 - 6569.A-Z Special applications of water supply, A-Z
 - Cf. TH9332+ Connections for fire extinction
 - Cf. TH9365 Connections for fire extinction
 - 6569.D7 Drinking fountains
 - 6569.F7 Fountains
 - 6569.S7 Sprinklers
 - House drainage
 - 6571 General works
 - 6581 General special
 - 6589 Catalogs of drainage fixtures, traps, etc.
 - For catalogs of plumbing and fitting supplies see TH6255
 - For catalogs of closets, basins, etc. see TH6489
 - For catalogs of pipefittings see TH6729
 - 6591 Theory
 - Including expansion of drainage system
 - Systems
 - 6602 One-pipe systems
 - 6604 Two-pipe systems
 - 6607 Mechanical discharge systems
 - 6609.A-Z Special systems. By name of patentee or manufacturer, A-Z
 - (6610) Work
 - 6613 Connections
 - 6615 Roughing in
 - 6617 Testing for leakage
 - Testing with compressed air, water, smoke, peppermint, etc.

Plumbing and pipefitting

House drainage -- Continued

Details. Fittings

For catalogs of general drainage fittings see TH6589

6625

General works

6628

Drain piping (General)

For soil piping see TH6653

For waste piping see TH6658+

For vent piping see TH6668

Traps and vents. Siphonage

For drain traps see TH6647

6631

General works

6633

Special types of traps

For grease traps see TH6512

6635

Cleanouts

For drain cleanout ferrules see TH6646

(6637)

Cesspools

see TD775

(6638)

Septic tanks

see TD778

Elements of drainage system

6641

House sewer

Outside of house, connecting house drain with main sewer

House drain

Horizontal piping in cellar, receiving all house drainage

6642

General works

6644

Supports for drains

6646

Cleanout ferrules

For cleanouts (General) see TH6635

6647

Special drain types

For traps (General) see TH6631+

Floor and area drains see TH6671.C3

6649

Fresh air inlets

Rain leaders see TH2493

Soil stack systems

Class here draining sewage or sewage and wastes

6651

General works

6652

Soil stack

6653

Soil piping

Waste stack systems

Class here draining wastes

6655

General works

6656

Waste stack

Waste piping

6658

General works

Special waste systems

Cf. TH6671.A+ Special drainage applications

Plumbing and pipefitting

House drainage

Elements of drainage system

Waste stack systems

Waste piping

Special waste systems -- Continued

6661

Kitchen and laundry wastes

For laundry plumbing see TH6502+

For kitchen plumbing see TH6507+

(6663)

Laving systems and fixtures

see TH6485 TH6500

Toilet room plumbing and fixtures see TH6485+

Vent stack systems

6665

General works

6666

Vent stack. Roof outlets

6668

Vent piping

For drain piping (General) see TH6628

Trap ventilation see TH6631+

6671.A-Z

Special drainages, A-Z

6671.C3

Cellar or basement drainage

6671.F6

Floor and yard drainage

6671.R3

Refrigerator drainage

6675.A-Z

Special installations. By name, A-Z

Cf. TH6059.A+ Special sanitary installations

Maintenance and repair of plumbing

6681

General works

6685

Freezing and thawing of pipes

6691

Lead burning. Autogenous soldering

For soldering in plumbing see TH6297

Pipefitting

Class here the installation of piping and fixtures for heating, lighting, etc.

For plumbing see TH6293+

For gas fitting see TH6840

For pipefitting for steam and hot water heating see TH7467+

6703

General works

6706

Textbooks

6711

Pocketbooks, tables, rules

6715

General special

6721

Estimates of material and labor

6723

Prices of pipefittings

6729

Catalogs of pipefitting

Catalogs of drainage fixtures see TH6589

Catalogs of gas fixtures see TH6865

Catalogs of water supply fixtures see TH6529

Catalogs of plumbing and fitting supplies see TH6255

Plumbing and pipefitting -- Continued

Gas in buildings. Building gas supply

Cf. TH6561 Gas water heating

Cf. TH7405+ Gas heating

Cf. TH7466.G3 Central heating with gas

Cf. TH7910+ Gas lighting

Cf. TX657.O6 Kitchen gas ovens

Cf. TX657.S6 Kitchen gas ranges

6800 Periodicals, societies, congresses, etc.

6810 General works

6820 General special

Safety measures

6830 General works

6835 Venting for appliances

6840 Piping installation. Pipefitting

Details

6850 General works

Fixtures and appliances

6855 General works

6860 Maintenance and repair. Testing

6865 Catalogs

6870 Meters

6875 Governors. Regulators

6880 Burners

6882 Flame monitors

Ignition devices

Including electric ignitors

6885 General works

6887 Pilot lights

Heating and ventilation

Cf. TH7201+ Heating of buildings, including special aspects of both heating and ventilation

Cf. TH7647+ Ventilation only

7005 Periodicals, societies, congresses, etc.

7007 Dictionaries and encyclopedias

General works

7010 Early to 1860

7011 1860-

7012 Textbooks

7015 General special

Including climatic factors

(7081-7084) Legislation

see class K

Heating engineering. Industrial heating

Cf. TH6552+ Heating of water

Cf. TJ255+ Engines using heat as a source of power

Cf. TP363 Heating, drying, cooling, etc.

Heating and ventilation

Heating engineering. Industrial heating -- Continued

- 7121 General works
 7124 Pocketbooks, tables, etc.
 7135 Stoves, etc., for commercial kitchens
 Kitchen stoves and ranges see TX657.S3+
 Kitchen boilers see TH6563
 Stove heating see TH7435+
 Stove manufacture see TS425
- Industrial furnaces
 Class furnaces for special uses in the field of application
 Cf. TK4661 Electric furnaces
 Cf. TN677+ Metallurgical furnaces
 Cf. TP841+ Kilns
 Cf. TS231 Cupola furnaces
- 7140 General works
 7145 Solar furnaces
 Cf. TJ809+ Solar energy
 Solar water heating see TH6561.7
 Solar heating of buildings see TH7413+
- Heating of buildings
 Including domestic heating
 Class here also works that discuss special aspects of both
 heating and ventilation of buildings
- 7201 Periodicals, societies, etc.
 7205 Congresses
 7207 Collected works (nonserial)
 7209 Dictionaries and encyclopedias
 Directories
 General works
 Special localities
- History
 7215 General works
 7216.A-Z Country divisions, A-Z
- General works
 7221 Early to 1860
 7222 1860-
 7223 Textbooks
 7224 Popular works. Juvenile works
 7225 Pocketbooks, tables, rules, etc.
 7226 General special
 7227 Addresses, essays, lectures
- 7231 Study and teaching
 7325 Specifications
 7331 Drawings
 Estimates. Measurements. Quantities and costs
 7335 General works

Heating and ventilation

Heating of buildings

Estimates. Measurements. Quantities and costs --

Continued

- 7337 Schedules of prices
- 7338 Superintendence
- 7339 Inspection
- 7341 Testing
- 7345 Equipment and supplies
- 7355 Catalogs of heaters and fixtures (General)
- 7391.A-Z Special rooms, A-Z
- 7392.A-Z Special classes of building. By name, A-Z
 - Cf. TH7684+ Ventilation of special classes of buildings
- 7392.A6 Apartment houses
- 7392.A8 Atomic bomb shelters
- 7392.A9 Automobile service stations
- 7392.C56 Chemical plants
- 7392.C6 Churches
- 7392.C65 College buildings see TH7392.S35
- 7392.C7 Commercial buildings
- 7392.C7 Creameries
- Dwellings see TH7201+
- Factories see TH7392.M6
- 7392.F3 Farm buildings
- 7392.F6 Foundries
- 7392.G37 Garages
- Hospitals see RA969
- 7392.I53 Industrial buildings
- 7392.M2 Machine shops
- 7392.M6 Mills and factories
- 7392.O35 Office buildings
- 7392.P33 Packinghouses
- 7392.P8 Prisons
- 7392.P9 Public buildings
- 7392.R3 Railroad structures and buildings
- 7392.S35 School buildings. University and college buildings
- 7392.S65 Sports facilities
- 7392.T34 Tall buildings
- 7392.T47 Textile factories
- 7392.T5 Theaters
- University buildings see TH7392.S35
- 7395.A-Z Special installations. By name, A-Z
 - Cf. TH7685.A+ Ventilating installations
- Heating by special fuels or forms of energy
 - Cf. TH7424+ Wood heating in fireplaces
 - Cf. TH7437+ Wood stove heating

Heating and ventilation

Heating of buildings

Heating by special fuels or forms of energy -- Continued

7400

Coal heating

Cf. TH7428+ Grate heating

Cf. TH7443+ Coal stove heating

Oil heating

Cf. TH7447+ Oil stove heating

Cf. TH7466.O6 Central heating by oil

7402

Periodicals, societies, congresses, etc.

7403

General works

Gas heating

Cf. TH7434 Gas fireplace heating

Cf. TH7453+ Gas stove heating

Cf. TH7466.G3 Central heating by gas

7405

Periodicals, societies, congresses, etc.

7406

General works

Electric heating

Cf. TH7434.5+ Electric radiant heating

Cf. TH7638 Heat pump systems

7409

Periodicals. Societies. Congresses

7410

General works

Solar heating

Cf. TK1056 Solar powerplants

7413

General works

7413.5

Central solar heating plants with seasonal storage

7414

Solar houses

Geothermal heating

7416

General works

7416.5

Geothermal district heating

7417

Geothermal space heating

7417.5

Ground source heat pump systems

Local heating

Cf. TH2055 Radiative heating (Open fires)

Cf. TH7435+ Convective heating (Stoves)

7418

General works

7419

General special

7420

Theory

For fuel heating see TP315+

Radiative heating. Open fires

7421

General works

7422

Catalogs of fireplace and grate fixtures

For fireplaces see TH7425+

For grates see TH7428+

Cf. TH2055 Building fittings

7423

Charcoal fires. Braziers

Fireplace heating with wood

Heating and ventilation

Heating of buildings

Local heating

Radiative heating. Open fires

Fireplace heating with wood -- Continued

7424

General works

Fireplaces

7425

General works

7426.A-Z

Special fireplaces. By name of manufacturer, etc.,
A-Z

Including catalogs

7427.A-Z

Details and fittings, A-Z

7427.A5

Andirons

Grate heating with coal, etc.

7428

General works

Grates

7429.A1

General works

7429.A2-Z

Special types of grate. By name, A-Z

7430

Catalogs (General)

7431.A-Z

Special grates. By name of manufacturer, etc., A-Z

Details and fittings

7432

General works

7433

Grate frames. Summer pieces

7434

Gas fireplace heating. Gas logs

Gas stove heating see TH7453+

Electric radiant heating. Radiant heaters

7434.5

General works

7434.7

Panel type installations

Convective heating. Stoves

Cf. TS425 Manufacture of stoves

Cf. TX657.S3+ Kitchen stoves

7435

General works

7436.A-Z

Special types, other than by fuel, A-Z

7436.B3

Base-heating stoves

7436.D6

Double jacket stoves

With air chamber for air heating

7436.E4

Earthenware stoves

7436.M37

Masonry stoves

7436.5

Biomass stove heating

Wood stove heating

7437

General works

Wood stoves

7438

General works

7439

Catalogs

7440.A-Z

Special wood stoves. By name of manufacture,
etc., A-Z

7441

Details and fixtures, A-Z

Heating and ventilation

Heating of buildings

Local heating

Convective heating. Stoves -- Continued

Coal and coke stove heating

7443

General works

7444

Catalogs

7445.A-Z

Special stoves. By name of manufacture, A-Z

7446.A-Z

Details and fixtures, A-Z

Oil and gas stove and radiator heating

7447

General works

Oil stove and radiator heating

7448

General works

Oil stoves and radiators

7449

General works

7450

Catalogs

7450.5

Kerosene heaters

7451.A-Z

Special oil stoves. By name of manufacturer, A-Z

7452.A-Z

Details and fixtures, A-Z

Gas stove heating

Cf. TH7434 Gas grate heating

Cf. TH7447+ Oil and gas stove heating

7453

General works

Gas stoves

7454

General works

7455

Catalogs

7456.A-Z

Special gas stoves. By name of manufacturer

7457.A-Z

Details and fixtures, A-Z

7457.B8

Burners

7457.D7

Draft hoods

7458.A-Z

Stove heating with other fuels. By fuel, A-Z

7458.G7

Grass heating and stoves

Local heating of special classes of buildings see

TH7392.A+

Central heating

Cf. TH7511+ Hot water heating

Cf. TH7561+ Steam heating

Cf. TH7601+ Hot air heating

Cf. TH7641+ Heating from central stations

7461

General works

7463

General special

Including gas heating

7465

Theory

7466.A-Z

Special fuels, A-Z

7466.G3

Gas

7466.O6

Oil

7466.W66

Wood

Heating and ventilation

Heating of buildings

Central heating -- Continued

7466.5

Regulators. Thermostats

Cf. TH7687+ Air conditioning

Hydronic systems

Class here works discussing both hot water and steam heating combined

Cf. TH6703+ Pipefitting

7467

General works

Details for hydronic systems

7469.A1

General works

7469.A2-Z

Special. By name of manufacturer, etc., A-Z

Including histories of manufacturing firms

Furnaces and boilers for heating

Cf. TH7538+ Hot water furnaces and boilers

Cf. TH7588+ Steam furnaces and boilers

Cf. TJ263.5 Boilers (General)

7470

General works

7471

Testing

7473

Stationary or bricked-in

7475

Movable or independent

7476.A-Z

Special furnaces and boilers. By name of manufacturer, etc., A-Z

7477

Door and damper regulators

7478

Piping, valves and other fittings

Cf. TH6703+ Pipefitting

7479

Air vents, etc.

Radiators

Cf. TH7547 Radiators for hot water heating

Cf. TH7597 Radiators for steam heating

7480

General works

Direct radiators and coils

7481

General works

Coils

7482

General works

7483

Flat coils

7484

Wall coils

Radiators

7486

General works

7487

Sectional (cast iron)

7488

Tubular, etc.

7490

Direct-indirect radiators. Ventilating radiators

Indirect radiators

7492

General works

7493

Box coil radiators

Heating and ventilation

Heating of buildings

Central heating

Hydronic systems

Details for hydronic systems

Radiators -- Continued

7495.A-Z Special radiators. By name of manufacturer, etc., A-Z

Hot water heating and fixtures

Cf. TH6703+ Pipefitting

7511 General works

7512 Pocketbooks, tables, etc.

7513 Specifications, drawings, etc.

7515 Theory

Low-pressure hot water heating (with dome boilers)

7518 General works

7525 Distribution

Including two-pipe system, one-pipe system, and overhead system

7529 Special details or fixtures (not A-Z)

Including furnaces, boilers, and appurtenances

High-pressure hot water heating (with coil boilers)

7530 General works

7533 Distribution

7534.A-Z Special details or fixtures, A-Z

Including furnaces, boilers, etc.

7535 Forced circulation systems

7535.5 Radiant floor heating

Details or fixtures of hot water heating

7536 General works

7537.A-Z Special. By name of manufacturer, etc., A-Z

Furnaces and boilers

Cf. TH7470+ Furnaces and boilers for both steam and hot water heating

7538.A1 General works

7538.A2-Z Special. By name of manufacturer, etc, A-Z

7539 Stationary or bricked-in furnaces and boilers

7540 Movable furnaces and boilers

7541 Door and damper regulators

7542 Expansion tanks

7543 Special piping and valves

7545 Air vents and other fittings

7547 Radiators for hot water heating

Cf. TH7480+ Radiators for steam and hot water heating

(7548) Hot water heating of special classes of buildings
see TH7392

Heating and ventilation

Heating of buildings

Central heating

Hydronic systems

Hot water heating and fixtures -- Continued

(7549) Hot water heating of special installations
see TH7395

Steam heating and fixtures

Cf. TH6703+ Pipefitting

7561 General works

7562 Pocketbooks, tables, etc.

7563 Specifications, drawings, etc.

7565 Theory

(7567) Systems of distribution, etc.

Including two-pipe system, one-pipe system, and
overhead or drop system

Low-pressure steam heating

7570 General works

7571 Gravity systems (water returned to boiler)

7575 Condense-waste systems (water discharge)

Live steam systems (from engine boilers)

7576 General works

7577 Exhaust-steam utilization systems

7578.A-Z Special details, A-Z

Cf. TJ444 Oil separators (General)

7578.B3 Back pressure valves

7578.G7 Grease separators

7578.V3 Valves

(7580) High-pressure steam heating

7583.A-Z Special steam-heating systems. By name, A-Z

Details or fixtures of steam heating

7586 General works

7587.A-Z Special. By name of manufacturer, etc., A-Z

Furnaces and boilers

7588.A1 General works

7588.A2-Z Special. By name of manufacturer, etc., A-Z

7589 Stationary or bricked-in furnaces

7590 Movable furnaces

7591 Door and damper regulators

7593 Special piping and valves

7595 Air vents and other fittings

7597 Radiators for steam heating

(7598) Steam heating for special classes of buildings
see TH7392

(7599) Steam heating for special installations
see TH7395

Warm-air heating and fixtures

Heating and ventilation

Heating of buildings

Central heating

Warm-air heating and fixtures -- Continued

- 7601 General works
- 7602 Specifications, drawings, etc.
- Theory
- 7603 General works
- 7608 Cold air supply, etc.
- 7609 Construction
 - Cf. TS250 Sheet metalwork
 - Cf. TS600+ Tinsmithing
- Systems
- 7610 General works
- 7619.A-Z Special. By name, A-Z
- Details
- 7621 General works
- 7622.A-Z Special. By name of manufacturer, A-Z
- Furnaces and appurtenances
 - Cf. TH7609 Construction
- 7623 General works
- 7624.A-Z Special. By name of manufacturer, etc., A-Z
- 7625 Flues and piping
- 7626 Registers
- 7627 Pipe dampers and draft registers
- (7631) Warm air heating of special classes of buildings
 - see TH7392
- (7632) Warm air heating of special installations
 - see TH7395
- Special warm air heating
- 7633 Warm air heating with heated air not admitted to
 - rooms but removed by convection through floors,
 - etc.
- 7635 Combination systems
 - Including warm air and steam systems
- 7638 Heat pump systems
 - For ground source heat pump systems see TH7417.5
 - Cf. TH7687+ Air conditioning
 - Cf. TJ262 Theory
- Heating for a community from a single plant
 - For geothermal district heating see TH7416.5
- 7641 General works
- 7643 Heating pipes and mains
- Ventilation of buildings
 - Periodicals, societies, congresses, etc. see TH7005
- History
- 7647 General works

- Heating and ventilation
 - Ventilation of buildings
 - History -- Continued
 - Special regions or countries
 - United States
 - General works
 - 7648
 - 7649.A-W
 - 7650.A-Z
 - 7651.A-Z
 - States, A-W
 - Cities, A-Z
 - Other regions or countries, A-Z
 - General works
 - 7652
 - 7653
 - 7654
 - 7655
 - 7656
 - 7657
 - 7658
 - Early to 1800
 - 1800-
 - Textbooks
 - Popular works. Juvenile works
 - Pocketbooks, tables, and rules
 - General special
 - Including use of ozone
 - Addresses, essays, lectures
 - Natural ventilation
 - Class here natural draft, without fans, etc.
 - General works
 - 7674
 - 7675.A-Z
 - Special systems. By name of manufacturer, A-Z
 - Artificial ventilation
 - Including ventilators
 - General works
 - 7678
 - 7681
 - 7682.A-Z
 - 7682.D45
 - 7682.D57
 - 7682.E44
 - 7683.A-Z
 - 7683.A25
 - 7683.A3
 - 7683.D8
 - 7683.F3
 - 7683.H42
 - 7683.L7
 - 7683.P8
 - 7683.R4
 - 7683.V4
 - General special
 - 7681
 - Special systems, A-Z
 - Demand controlled ventilation systems
 - Displacement ventilation
 - Emergency ventilation
 - Details, fixtures, etc., A-Z
 - Air curtains
 - Air filters. Air washers
 - Air ducts
 - Fans
 - Heat exchangers
 - Louvers
 - Punkas
 - Registers and flues
 - Cf. TH7626 Heating
 - Ventilators and chimney tops
 - Special ventilation
 - Special buildings and facilities, A-Z
 - Apartment houses
 - Basements
 - Chemical plants
 - Churches

- Heating and ventilation
- Ventilation of buildings
 - Special ventilation
 - Special buildings and facilities, A-Z -- Continued
 - 7684.D9 Dwellings
 - 7684.F2 Factories
 - 7684.F3 Farm buildings
 - 7684.F45 Flour mills
 - Hospitals see RA969
 - 7684.K5 Kitchens
 - 7684.M2 Machine shops
 - 7684.N83 Nuclear facilities
 - 7684.P7 Power plants
 - 7684.P75 Printing plants
 - 7684.P8 Public buildings
 - 7684.R3 Railroad repair shops
 - Schoolhouses see LB3244
 - 7684.S55 Slaughterhouses
 - 7684.T25 Textile factories
 - 7684.T3 Theaters
 - 7685.A-Z Special ventilating installations, A-Z
 - e.g.
 - 7685.G8 Great Britain. House of Commons
 - Air conditioning, cooling, etc.
 - 7687.A1 Periodicals, societies, etc.
 - 7687.A2-Z General works
 - 7687.5 General special
 - Including noise
 - 7687.7 Systems and details
 - 7687.8 Humidity control
 - 7687.85 Gas air conditioning
 - 7687.9 Solar air conditioning
 - 7687.95 Variable air volume systems
 - 7688.A-Z Special classes of building, A-Z
 - 7688.B3 Bakeries
 - 7688.C64 Commercial buildings
 - Factories
 - 7688.F2 General
 - 7688.F24 Food
 - 7688.F27 Paper
 - 7688.F3 Textile
 - 7688.H6 Homes. Dwellings
 - 7688.L3 Laboratories
 - 7688.O4 Office buildings
 - 7688.O44 Offshore structures. Artificial islands
 - 7688.P3 Packinghouses
 - 7688.P7 Printing plants

Heating and ventilation

Ventilation of buildings

Air conditioning, cooling, etc.

Special classes of building, A-Z -- Continued

7688.P78

Public buildings

7688.P8

Public shelters

School buildings see LB3244

7688.W3

Warehouses

Dust removal (by pneumatic suction, etc.)

7692

General works

7694

Clean rooms

7695.A-Z

Special systems. By name, A-Z

7695.E4

Electrostatic precipitation

7695.I52

Inertial separation

7695.S6

Sonic coagulation

7695.V2

Vacuum system

7695.V45

Venturi scrubber

7696

Details. Fixtures

7697.A-Z

In special buildings and operations. By type, A-Z

7697.A8

Asbestos industry

7697.B75

Brickworks

7697.B8

Building materials industry

7697.B82

Bulk solids handling

7697.C4

Cement industries

7697.C54

Chemical plants

7697.C58

Coal preparation plants

7697.C6

Compressor stations

7697.C7

Crushed stone industry

7697.E45

Electric power plants

7697.F2

Factories and workshops

7697.F55

Food processing plants

7697.F6

Foundries

7697.G67

Grain elevators

7697.G7

Granite plants

7697.I76

Iron industry

7697.M4

Metallurgical plants

Mine dust control see TN312

7697.M56

Mineral industries

7697.O7

Ore-dressing plants

7697.P5

Plastics plants

7697.Q37

Quarries

7697.R4

Refractories industry

7697.R6

Rolling mills

7697.S3

Sand and gravel industry

7697.T4

Textile factories

7697.T5

Tin industry

7697.W4

Welding shops

Heating and ventilation

Ventilation of buildings

Dust removal (by pneumatic suction, etc.)

In special buildings and operations. By type, A-Z --

Continued

7697.W6

Woodworking industries

7698.A-Z

Special installations. By name, A-Z

e.g.

7698.S7

Spokane Post Office

7699.A-Z

Other hygienic aspects, A-Z

7699.D4

Deodorization

Illumination. Lighting

Cf. NK2115.5.L5 Lighting as an element in interior
decoration

Cf. TH7910+ Gas lighting

Cf. TK4125+ Electric lighting

7700

Periodicals. Societies. Collections

7703

General works

7710

Pocketbooks, tables, etc.

7715

Standards. Specifications

7720

Safety measures

7723

Shadows

7725

General special

Natural lighting

7791

General works

7792

Easement of light. Light rights. Ancient light

7795

Luxfer prisms

7799

Sidewalk lights

Artificial lighting

7900

General works

Gas lighting

7910

General works

7915

Popular works. Consumers' guides, etc.

Incandescent gas lighting

7953

General works

7955.A-Z

Special systems, A-Z

7955.W3

Washington system

7955.W4

Welsbach system

Lighting fixtures

Cf. TK4198 Electric lighting fixtures

Gas and electric

7960

General works

7963

Specifications

Catalogs

7965

To 1880

7967

1880-

7970.A-Z

Other special, A-Z

Illumination. Lighting

Artificial lighting

Lighting fixtures

Other special, A-Z -- Continued

7970.L35

Lampposts

7970.R4

Reflectors

7975.A-Z

Special types of buildings, A-Z

7975.C65

Commercial buildings

7975.D8

Dwellings

7975.F2

Factories and workshops

Hospitals see RA969.5

7975.P82

Public buildings

Cf. TK4399.P8 Electric lighting

Workshops see TH7975.F2

Acoustics in buildings see TH1725

Decoration and decorative furnishings

Class here technical works for the artisan

For artistic interior decoration see NK1700+

8001

Periodicals

General works

8024

Early to 1800

8025

1800-

8026

Textbooks

8031

Pocketbooks, tables, receipts, etc.

Plastering, calcimining, etc.

8120

Periodicals, societies, etc.

8131

General works

8132

General special

Including drawings, estimates, ready reckoners

Plaster

Cf. TP888 Manufacture

8135

General works

8137.A-Z

Special plasters, A-Z

8137.G8

Gypsum plasters

8139

Plasterboard. Gypsum wallboard. Drywall

8161

Calcimining

8181

Whitewashing

Glazing, painting, wall decoration, etc.

8203

General works

Glazing

Cf. TH2270+ Windows and doors and their fittings

Cf. TP812.A1+ Glazes, enamels, etc.

Cf. TP823 Technology of ceramic decoration

8251

General works

Ornamental, stained, art, or leaded glass (Use)

Cf. NK5300+ Art

8271

General works

Decoration and decorative furnishings

Glazing, painting, wall decoration, etc.

Glazing

Ornamental, stained, art, or leaded glase (Use)

8275

Catalogs

House painting

see TT300+

(8303)

General works

see TT320

(8321)

Exterior painting and material

see TT320+

(8351)

Interior painting and material

see TT323

Wall decoration

Cf. NK1700+ Art industries

(8403)

General works

see NK2119

Paperhanging and wallpaper

Cf. NK3375+ Art industries

8423

General works

8441

Paperhanging

Wallpaper

Prefer NK3375+

8461

General works

8463.A-Z

Special. By name of manufacturer, A-Z

8471

Hanging burlap, buckram, lincrusta, etc.

Cf. NK3175+ Art industries

8481

Tapestrying and tapestry

Cf. NK2975+ Art industries

Cf. TS1780 Manufactures

Cf. TT849 Tapestry (Handicrafts)

Tilelaying and tile

8521

General works

8531

Tilelaying

Tile. Decorative and ceramic tile

Class here works on tile of all materials, including plastic tile, when used for wall and ceiling decoration. Class here only works on ceramic tile when used for flooring

For other flooring materials, see TH2529

Cf. NA3705 Architectural decoration

Cf. NK4670+ Ceramics

Cf. TP837 Manufacture of tile

8541

General works

8542.A-Z

Special. By name of manufacturer, A-Z

Decoration and decorative furnishings -- Continued

Decorative woodwork

Including fretwork, grilles, etc.

Cf. NK9600+ Artistic woodwork

Cf. TH1151+ Architectural woodwork

Cf. TH2553 Interior moldings

8581

General works

Parquet floors see TH2529.W6

(8601)

Draping and drapery

see TT390

Carpets, rugs, etc. see TS1772+

Protection of buildings

9025

General works

Against damage from natural causes

9031

From dampness. Waterproofing

Cf. TH2493 Guttering

9035

Molds

9039

Weathering

9041

Pest control in buildings. Fumigation

Cf. TA423.6+ Wood preservation

Cf. TX325 Household pests

Protection of buildings from lightning

Cf. TH1061+ Fireproof building construction

General works

9057

Treatises

9058

Elementary textbooks

9061

Miscellaneous minor works, addresses, essays, etc.

Systems of protection from lightning

9092.A-Z

Special systems. By name of manufacturer, A-Z

Including catalogs

Earthquakes and building see TH1095

Bombproof construction see TH1097

Stormproof construction see TH1096

Protection from fire. Fire prevention and extinction

Cf. TH1061+ Fireproof building construction

Cf. TH9057+ Protection against lightning

9111

Periodicals, societies, etc.

For local societies see TH9500+

9112

Congresses, conventions, etc.

For annual conventions of societies see TH9111

Exhibitions. Museums

9114.A1

General works

9114.A2-Z

By region or country, A-Z

Subarrange each country by Table T4b

9115

Collected works (nonserial)

9116

Dictionaries and encyclopedias

9116.5

Directories

Protection from fire. Fire prevention and extinction -- Continued

- History
- 9117 General works
 - Special countries see TH9500+
- Biography
- 9118.A1 Collective
- 9118.A2-Z Individual, A-Z
- 9119 Fire prevention as a profession
- Study and teaching
 - Cf. TH9225+ Engineering
- 9120 General works
 - United States
- 9123 General works
 - States, A-W
 - Cities, A-Z
 - Other countries, A-Z
- 9128 Physical training for fire fighters
- 9130 Research
 - General works
- 9145 Treatises
- 9146 Elements
- 9148 Popular works. Juvenile works
- 9149 Miscellanea
- 9150 Pocketbooks, tables, etc.
 - Cf. HG9715 Manuals for insurance inspectors
- 9151 Firemen's manuals
- 9155 Addresses, essays, lectures
- 9157 Examinations, questions, etc.
- 9158 Fire department management
 - For special countries, see TH9503+
- (9160) Legislation
 - see class K
- 9176 Inspection. Fire inspectors' handbooks
 - Including National Board of Fire Underwriters' rules and requirements
 - Cf. HG9711+ Fire insurance surveys
- 9180 Investigation of fires
 - Cf. SD421.45.I58 Forest fire investigation
- 9182 Safety measures
- Theory of fire protection, etc.
 - General works
 - see TH9145
- 9195 Enclosure fires
- 9197 Smoking and fires
- 9198 Spontaneous combustion (in relation to fire)

- Protection from fire. Fire prevention and extinction
 Theory of fire protection, etc. -- Continued
- 9198.5 Static electricity and fires
 Cf. TH9445.E43 Fire prevention and extinction in electrical equipment
- Fire insurance engineering
 Cf. TH1061+ Fireproof construction, including tests
- 9201 Periodicals, societies, etc.
 9210 General works
 9215 Pocketbooks, tables, etc.
 9220 Addresses, essays, lectures
 Study and teaching
- 9225 General works
 Special schools
- 9230 United States
 9235.A-Z Other regions or countries, A-Z
 9237 Laboratories
- Fire prevention
 Cf. TH1061+ Fireproof building construction
- 9241 General works
 9245 Appliances, etc.
 Fire doors see TH2278+
- Fire detection and alarms
- 9271 Fire detectors. Combustible gas detectors
 9275 Electric thermostat fire detectors
 9280 Communication systems
- Fire extinction
 Cf. TH9151 Firemen's manuals
- (9310) Theory
 9310.5 General works
 9310.8 Command and control
 Water supply
- 9311 General works
 Local see TH9503+
- 9323 Fire streams, nozzle forms, etc.
 Cf. TC173 Hydraulic engineering
 Special methods of fire extinction
 Including special apparatus
 Water tower systems
- 9332 General works
 9333 For communities
 9334 For individual buildings
 9336 Automatic systems. Automatic sprinkler systems
 9338 Chemical systems
 Cf. TH1073+ Fireproof construction (Impregnation)
 Cf. TH9362 Fire extinguishers
 Cf. TP265+ Chemistry of fire and fire prevention

Protection from fire. Fire prevention and extinction

Fire extinction

Special methods of fire extinction -- Continued

- 9339 Explosion systems, etc.
- General equipment and apparatus
 - Class special equipment with special systems
- 9360 General works
- 9361 General catalogs of fire department supplies
- 9362 Fire extinguishers
- 9363 Fire pumps. Hand pumps (Portable)
 - Cf. TJ903 Hand pumps (General)
- 9365 Fire hydrants
- Vehicles
 - 9370 General works
 - Fire engines
 - 9371 General works
 - 9372 Juvenile works
 - 9373 Catalogs
 - 9374 Hand fire engines
 - 9375 Chemical fire engines
 - 9376 Steam fire engines
 - 9377 Gasoline fire engines
 - Fire hose and carts
 - 9378 General works
 - 9379 Hose carts
 - 9380 Hose and nozzles
 - For fire stream tables see TH9323
 - 9383 Hook and ladder trucks
- 9391 Fireboats
- Protective clothing. Uniforms
 - 9395 General works
 - 9396 Breathing apparatus
- Lifesaving at fires. Rescue work
 - Including drills, etc.
 - For fire escapes see TH2274
- 9402 General works
- 9410 Evacuation of buildings
 - Systems and apparatus
 - 9412 Scaling ladder systems
 - 9414 Rope systems
 - 9416 Tubular bag systems
 - 9418 Net or sheet systems (jumping systems)
 - (9425) Special classes of buildings
 - see TH9445.A+
- 9431 Salvage of material during fires
 - Including protection from water

Protection from fire. Fire prevention and extinction

Fire extinction -- Continued

- 9445.A-Z Fire prevention and extinction in special classes of buildings and facilities, A-Z
- 9445.A4 Aged, Housing for. Nursing homes
- 9445.A5 Airports
- 9445.A62 Apartment houses
- 9445.A7 Archive buildings
- 9445.A8 Asylums
- 9445.A85 Atomic power plants
- 9445.B6 Bowling alleys
- 9445.B8 Building sites
- Cathedrals see TH9445.C5
- 9445.C47 Chemical plants
- 9445.C48 Chimneys
- 9445.C5 Churches, cathedrals, shrines, etc.
- 9445.C6 Cleaning and dyeing plants
- 9445.C65 Computers and computer installations
Cf. TH9445.E45 Electronic data processing departments
- 9445.C67 Conveying machinery
- 9445.C68 Correctional institutions
- 9445.C7 Cotton gins
- 9445.D5 Distilleries
- 9445.D6 Dormitories
- 9445.D75 Drilling platforms
- 9445.D9 Dwellings
- 9445.E4 Electric power plants
- 9445.E43 Electrical equipment
- 9445.E45 Electronic data processing departments
Cf. TH9445.C65 Computers and computer installations
- 9445.E46 Electronic equipment
- 9445.E48 Elevators
- 9445.F35 Farms
- 9445.F6 Food industry
- 9445.F87 Furnaces
- 9445.G3 Garages
- Garden apartments see TH9445.A62
- 9445.G54 Glass trade
- 9445.G7 Grain elevators
- (9445.H3) Hangers
see TH9445.A5
- Health facilities see TH9445.H7
- 9445.H4 Heating equipment
- Heliports see TH9445.A5
- Historic buildings see TH9445.M8

Protection from fire. Fire prevention and extinction

Fire extinction

Fire prevention and extinction in special classes of buildings and facilities, A-Z -- Continued

- 9445.H7 Hospitals. Health facilities
- 9445.H75 Hotels
- Industrial buildings see TH9445.M4+
- 9445.L5 Libraries
- 9445.L8 Lumberyards
- Lunchrooms see TH9445.R44
- Mills and factory buildings
 - 9445.M4 General works
 - 9445.M45 Flour mills
 - 9445.M5 Textile factories
 - 9445.M6 Woodworking industries
- Mines and mining see TN315
- 9445.M8 Museums, historic buildings, etc.
- 9445.N3 Navy yards and naval stations
- 9445.N83 Nuclear facilities
- Nuclear power plants see TH9445.A85
- Nursing homes see TH9445.A4
- 9445.O4 Office buildings
- 9445.O43 Offshore structures
- 9445.O55 Oil storage tanks
- Older people, Housing for see TH9445.A4
- 9445.P3 Paint shops
- 9445.P38 Petroleum pipelines
- 9445.P4 Petroleum refineries
- 9445.P5 Piers and other waterfront structures
- 9445.P55 Plastics plants
- 9445.P8 Public buildings
- 9445.R44 Restaurants, lunchrooms, etc.
- 9445.S3 School buildings
- 9445.S4 Service industries
- Shopping centers see TH9445.S8
- Shrines see TH9445.C5
- Skyscrapers see TH9445.T18
- 9445.S8 Stores, shopping centers, etc.
 - Cf. TH9445.U5 Underground shopping centers
- 9445.T18 Tall buildings. Skyscrapers
- 9445.T2 Tanneries
- Temples see TH9445.C5
- Theaters
 - 9445.T3 General works
 - 9445.T4 Motion picture theaters
 - 9445.T5 Motion picture films in storehouses, etc.
 - 9445.T7 Transportation industries

Protection from fire. Fire prevention and extinction

Fire extinction

Fire prevention and extinction in special classes of buildings and facilities, A-Z -- Continued

- 9445.T8 Tunnels
- 9445.U5 Underground shopping centers
- 9445.W2 Warehouses
- Waterfronts see TH9445.P5
- 9446.A-Z Fire prevention and extinction in special materials, A-Z
- 9446.A37 Aerosols
- 9446.C5 Chemicals
- 9446.C6 Chlorine dioxide
- 9446.C65 Cleaning compounds
- 9446.C7 Cotton and cotton fabrics
- 9446.D86 Dust
- 9446.G3 Gasoline
- 9446.H38 Hazardous substances
- 9446.H9 Hydraulic fluids
- 9446.H96 Hydrogen
- Inflammable materials
- 9446.I47 General works
- 9446.I475 Inflammable gases
- 9446.I5 Inflammable liquids
- 9446.I55 Insecticides
- 9446.L57 Liquefied natural gas
- 9446.M3 Magnesium
- 9446.O95 Oxygen
- 9446.P38 Peat
- 9446.P4 Petroleum
- 9446.P55 Plastics
- 9446.P65 Polymers
- 9446.R3 Radioactive substances
- 9446.R8 Rubber
- 9446.S3 Salts
- Fire testing of materials. Flammability of materials
- 9446.3 General works
- 9446.5.A-Z Special materials, A-Z
- 9446.5.B44 Belts and belting
- 9446.5.C35 Carpets
- 9446.5.E43 Electric insulators and insulation
- 9446.5.F87 Furniture
- 9446.5.G55 Glass
- 9446.5.P45 Plastics
- 9446.5.P65 Polymers
- 9446.5.U63 Upholstery
- 9446.5.W66 Wood products
- 9447 Private fire departments for individual establishments

Protection from fire. Fire prevention and extinction

Fire extinction -- Continued

Fires

- 9448 General works
Including descriptions of the great conflagrations
- 9449.A-Z Special fires. By city, A-Z
Class here only technical reports
For popular descriptions, see local history in classes D-F
- Fires in mines see TN315
Forest fires see SD420.5+
Grassland fires see SD421.5
Ground cover fires see SD421.47+
Wildfires see SD420.5+

Protection from fire in special countries and cities

Including city fire departments and fire fighters's associations.

- 9500 General collections
- 9501 America
North America (United States and Canada)
- 9502 General works
United States
- 9503 General works
- 9504.A-W Special states, A-W
Subarrange each state by Table T3a
Including works on separate counties
Cutter numbers listed below are provided as examples
- 9504.D6-.D69 District of Columbia (Table T3a)
- 9504.N7-.N79 New York (State) (Table T3a modified)
- 9504.N71 State fire marshal's report
- 9505.A-Z Special cities, A-Z
Subarrange each city by Table T3b
e.g.
- 9505.N5-.N509 New York (N.Y.) (Table T3b)
Washington (D.C.) see TH9504.D6+
- Canada
- 9506.A1-.A6 General works
- 9506.A8-Z Provinces, A-Z
- 9507.A-Z Special cities, A-Z
- Other countries
- Mexico
- 9507.5 General works
- 9508.A-Z Local, A-Z
- Central America
- 9510.A1-.A6 General works
- 9510.A8-Z By region or country, A-Z
- 9511.A-Z Special cities, A-Z
- West Indies
- 9512.A1-.A6 General works

Protection from fire. Fire prevention and extinction
 Protection from fire in special countries and cities

Other countries

West Indies -- Continued

9512.A7-Z

Special islands, A-Z

9513.A-Z

Special cities, A-Z

South America

9514

General works

9516

Argentina

9518

Bolivia

9521

Brazil

9523

Chile

9525

Colombia

9527

Ecuador

Guiana

9528

Guyana

9529

Suriname

9530

French Guiana

9531

Paraguay

9532

Peru

9533

Uruguay

9534

Venezuela

Europe

9535

General works

Great Britain. England

9537

General works

9539.A-Z

England. Cities, A-Z

9541

Ireland

9543

Scotland

9544

Wales

Austria

9545

General works

9546.A-Z

Special cities, A-Z

9547

Belgium

9549

Denmark

9551

France

Germany

9553

General works

9554.A-Z

Special cities, A-Z

9555

Greece

9557

Holland

9559

Italy

9561

Norway

9563

Portugal

9565

Russia. Soviet Union. Russia (Federation)

9567

Spain

9569

Sweden

- Protection from fire. Fire prevention and extinction
- Protection from fire in special countries and cities
 - Other countries
 - Europe -- Continued
 - 9571 Switzerland
 - 9575.A-Z Other regions or countries, A-Z
 - Asia
 - 9580 General works
 - 9581 China
 - 9583 India
 - 9585 Japan
 - 9587 Iran
 - 9589 Asia Minor. Turkey
 - 9591 Siberia
 - 9593.A-Z Other regions or countries, A-Z
 - Africa
 - 9594 General works
 - 9596 Egypt
 - 9597.A-Z Other regions or countries, A-Z
 - Australia
 - 9598.A1 General works
 - 9598.A6-Z Local, A-Z
 - New Zealand
 - 9598.5.A1 General works
 - 9598.5.A6-9598.Z Local, A-Z
 - Pacific islands
 - 9599.A1 General works
 - 9599.A6-Z Local, A-Z
- Protection from burglary, sabotage, etc. Security in buildings
 - Cf. HV6646+ Theft
 - Cf. HV8290+ Guards, watchmen, etc.
 - 9701 Periodicals, societies, congresses, etc.
 - 9705 General works
 - Burglar-proof construction
 - 9720 General works
 - 9725.A-Z Details, A-Z
 - 9725.W5 Window guards
 - Protection equipment and devices
 - 9730 General works
 - 9732 Fences
 - 9734 Safes and vaults
 - 9735 Locks. Electronic locking devices
 - Cf. TH2279 Door fittings
 - Cf. TS519+ Locksmithing
 - 9737 Electronic security systems
 - 9739 Detection and alarm equipment. Burglar alarms
 - 9745.A-Z Security of special buildings, A-Z

Protection from burglary, sabotage, etc. Security in buildings

Protection equipment and devices

Security of special buildings, A-Z -- Continued

Archives see CD986

Art museums see N463

9745.D85

Dwellings

9745.F3

Factories

Health facilities see RA969.95

Houses see TH9745.D85

Libraries see Z679.6

Museums see AM148

9745.S59

Skyscrapers

9745.S7

Stores, Retail

- Mechanical engineering and machinery
- Periodicals and societies. By language of publication
- 1 English
- 2 French
- 3 German
- 4 Other languages (not A-Z)
- 5 Congresses
- Exhibitions. Museums
- 6.A1 General works
- 6.A2-Z By region or country, A-Z
Subarrange each country by Table T4b
- 7 Collected works (nonserial)
- 9 Dictionaries and encyclopedias
- Directories
- For directories of makers and dealers in machinery tools,
supplies, etc. see TJ1170
- 11 General and the United States
- 12.A-W United States. By state, A-W
Subarrange each state by Table T4a
- 13.A-Z Other countries, A-Z
- 14 Philosophy of machinery
- History
- 15 General works
- 16 Ancient
- 17 Medieval
- 18 Modern
- 19 Nineteenth century
- 20 Twentieth century
- 21-127 Country divisions (Table T1a)
Add country number in table to TJ0
- 130.A-Z Special companies (History, description, etc), A-Z
- Biography
- 139 Collective
- 140.A-Z Individual, A-Z
- General works on mechanical engineering
- 144 Early to 1800
- 145 1800-
- 146 Elementary textbooks
- 147 Popular works. Juvenile works
- 148 Laboratory practice and student manuals. Testing
Cf. TA416+ Engineering laboratories
- 151 Pocketbooks, rules, tables, etc.
- 153 General special
Including data processing, costs, etc.
- 155 Addresses, essays, lectures
- 157 Mechanical engineering as a profession
- Study and teaching

- Study and teaching -- Continued
- 158 General works
- 159 Problems, questions, etc.
- Research
- 159.5 General works
- 159.7.A-Z By region or country, A-Z
- Communication in mechanical engineering
- 160 General works
- 160.5 Information centers
- Mechanical and electrical engineering combined
- 163 General works
- 163.12 Mechatronics
 - For microelectromechanical systems see TK7875
- Power resources
 - For special power resources, see the resources e.g. TP315+ Fuel; TK9001+ Atomic power; etc.
 - Cf. TJ260 Heat as a source of power
 - Cf. TJ807+ Renewable energy sources
 - Cf. TN263.5 Energy minerals
- 163.13 Periodicals. Societies. Serials
- 163.15 Congresses
- Exhibitions. Museums
- 163.155.A1 General works
- 163.155.A2-Z By region or country, A-Z
 - Subarrange each country by Table T4b
- 163.16 Dictionaries and encyclopedias
- 163.165 Directories
- 163.17 Information services
- 163.2 General works
- 163.23 Juvenile works
- 163.235 Handbooks, tables, etc.
- 163.24 Addresses, essays, lectures
- 163.245 Energy audits
- 163.25.A-Z Special regions or countries, A-Z
- Energy conservation
 - Cf. HD9502+ Economics of power resources and energy policy
 - Cf. TN860+ Petroleum conservation
- 163.26 Periodicals. Societies. Serials
- 163.27 Congresses
- 163.28 Dictionaries and encyclopedias
- 163.3 General works
- 163.35 Juvenile works
- 163.4.A-Z Special regions or countries, A-Z
- Biography
- 163.45 Collective
- 163.46.A-Z Individual, A-Z

Energy conservation -- Continued

- 163.5.A-Z Energy conservation or consumption in special industries, facilities, etc., A-Z
- 163.5.A37 Agriculture
Air transport see TJ163.5.T7
Apartment houses see TJ163.5.D86
- 163.5.B84 Buildings
- 163.5.C45 Cement industries
- 163.5.C54 Chemical industry
- 163.5.C57 Churches. Religious institutions
Colleges see TJ163.5.U5
- 163.5.C65 Construction industry
- 163.5.D86 Dwellings
- 163.5.F3 Factories
- 163.5.F5 Finishing industry
- 163.5.F6 Food industry
Foundries see TJ163.5.M48
- 163.5.G55 Glass manufacture
Health facilities and hospitals see RA967
- 163.5.H4 Heating plants
- 163.5.H67 Hotels. Motels
- 163.5.M48 Metallurgical plants
- 163.5.M54 Military bases
- 163.5.M56 Mineral industries
- 163.5.M87 Museums
- 163.5.O35 Office buildings
- 163.5.P33 Package goods industry
- 163.5.P37 Paper and pulp mills
- 163.5.P47 Petroleum refineries
- 163.5.P48 Plastics industry
- 163.5.P68 Power plants
Religious institutions see TJ163.5.C57
- 163.5.R64 Rolling mills
- 163.5.R82 Rubber industry
Schools see TJ163.5.U5
- 163.5.S67 Sports facilities
- 163.5.S83 Steelworks
- 163.5.S85 Stores, Retail
- 163.5.S93 Sugar industry
Supermarkets see TJ163.5.S85
Taverns see TJ163.5.H67
- 163.5.T48 Textile industry
- 163.5.T7 Transportation
- 163.5.U5 Universities and colleges. Schools
- 163.5.W36 Waterworks
- 163.5.W66 Wood-using industries
- Power (Mechanics)

- Power (Mechanics) -- Continued
- 163.6 Periodicals. Societies. Serials
- 163.7 Congresses
- 163.8 Dictionaries and encyclopedias
- 163.9 General works
- 163.95 Juvenile works
- 164 Power plants (General)
- Cf. TJ395+ Steam
- Cf. TK1191+ Electric
- Cf. TK4399.P6 Electric lighting
- 165 Energy storage
- Cf. TJ260 Thermal energy storage
- Cf. TJ541 Flywheels
- Cf. TJ981+ Compressed air
- Cf. TK2980+ Electric energy storage
- 166 Safety measures and devices
- Cf. TJ1177 Machine shops
- 168 General catalogs of mechanical engineering equipment
- Mechanics applied to machinery. Dynamics
- 170 General works
- 173 General special
- Including work diagrams
- 175 Principles of mechanism. Kinematics of machinery
- 177 Vibration of machinery
- 177.5 Alignment of machinery
- 179 Noise in machinery
- Cf. TD893.6.M3 Noise in machine shops
- Mechanical movements
- 181 General works
- Special movements and devices
- 181.3 Perpetual motion
- 181.5 The wheel
- 181.6 Intermittent-motion mechanisms
- 181.7 Geneva mechanisms
- 181.8 Straight-line mechanisms
- 181.9 Pantograph
- Belt gearings, belts, pulleys, etc. see TJ1100+
- Links and link motion. Cranks
- Cf. TJ762.C73 Motors
- 182 General works
- 183 Hooke's and other link couplings
- 183.5 Rolling contact
- Toothed gears. Gearing
- 184 General works
- 185 Tables, lists, etc.
- 186 Laying out gear teeth. Odontographs
- 187 Gear-cutting machines

- Mechanical movements
 - Special movements and devices
 - Toothed gears. Gearing -- Continued
 - 188 Catalogs
 - Special gears
 - 189 Spur gears
 - 190 Racks (Racks and pinions)
 - 191 Annular gears
 - 192 Stepped, twisted, and helical gears
 - Bevel gears
 - 193 General works
 - 194 Miter wheels
 - 196 Screw bevel gears
 - Screw gears see TJ192
 - 200 Worm gears
 - 202 Other forms of gears
 - Including internal gears, reduction gears
 - 204 Transmission gears
 - Cf. TL260+ Automobiles
 - 206 Cams
 - 208 Vibrators
 - 209 Gyroscopes
 - Cf. QA862.G9 Analytic mechanics
 - Cf. TL589.2.C58 Compass (Gyroscope)
 - Cf. TL589.2.O6 Optical gyroscope
 - 210 Springs
- Mechanical devices and figures. Automata. Ingenious mechanisms. Robots (General)
 - For industrial robots see TS191.8
 - Cf. ML1050 Automatic musical instruments
 - Cf. S678.65 Robotics in agriculture
 - Cf. TL1097 Space robotics
- 210.2 Periodicals. Societies. Serials
- 210.3 Congresses
- 210.4 Dictionaries and encyclopedias
- 210.5 Directories
- 211 General works
 - 211.15 Popular works
 - 211.2 Juvenile works
 - 211.25 Vocational guidance
 - 211.26 Study and teaching
 - 211.3 Robot vision
 - 211.35 Control systems
 - 211.36 Microrobots
 - 211.37 Evolutionary robotics
 - 211.4 Robot motion. Robot dynamics
 - 211.412 Robot kinematics

- Mechanical devices and figures. Automata. Ingenious mechanisms. Robots (General) -- Continued
- 211.415 Mobile robots
 - 211.4152 Parallel robots
 - 211.416 Personal robotics
 - 211.417 Error detection and recovery
 - 211.419 Calibration
 - 211.42 Robot wrists
 - 211.45 Programming
 - 211.47 Computer simulation
 - 211.49 Human factors
 - 211.495 Autonomous robots
 - 211.5 Specifications and standards
- Control engineering systems. Automatic machinery (General)
- Cf. HD6331+ Labor displacement
 - Cf. T59.5 Automation
 - Cf. TA165 Industrial instrumentation
 - Cf. TJ1180+ Automatic machine tools
 - Cf. TS156.8 Process control
- 212 Periodicals. Societies. Collected works
 - 212.2 Congresses
 - 212.5 Dictionaries and encyclopedias
 - 213 General works
 - 213.5 Popular works. Juvenile works
 - 213.7 Addresses, essays, lectures
 - 213.75 Study and teaching
 - 213.8 Problems, exercises, etc.
 - 213.9 Laboratory manuals
 - 213.95 Reliability
- Control systems
- 214 Servomechanisms
 - 214.5 Motion control devices
 - 216 Feedback control systems
 - 216.5 Feedforward control systems
 - 217 Adaptive control systems
 - 217.2 Robust control
 - 217.5 Intelligent control systems
 - 217.6 Predictive control
 - 217.7 Real-time control
 - 218 Carrier control systems
 - 218.5 Relay control systems
 - 218.7 Binary control systems
 - 219 Pneumatic control systems
 - 220 Linear control systems
 - 220.5 Sliding mode control
 - 221 Passivity-based control
 - 222 Supervisory control systems

- Control engineering systems. Automatic machinery
Control systems -- Continued
- 223.A-Z Special, A-Z
- 223.A25 Actuators
- 223.C45 Chattering control
- 223.C6 Counters
- Digital control see TJ223.M53
- 223.E4 Electromagnets
- 223.E65 Equalizers
- 223.L5 Level indicators
- 223.M3 Magnetic devices
- 223.M53 Microprocessors. Microcomputers. Digital control
Cf. QA76.6+ Computer programming
Cf. TK7895.M5 Computer hardware
- Optoelectronic devices see TJ223.P5
- 223.P4 Perceptrons
- 223.P5 Photoelectronic devices. Optoelectronic devices
- 223.P55 PID controllers
- 223.P76 Programmable controllers
- 223.R3 Radioactive measurements
- 223.S45 Semiconductors
- 223.S6 Solions
- 223.T4 Thermometers, etc.
- 223.T5 Timers
- 223.T75 Transducers
- 223.V3 Valves
- 225 Applications (General)
For special applications, see field of application, e.g. TJ1225
Milling machines numerically controlled
- Machine design and drawing
Including construction if contained in the same works
For the design of special machines, see below under each machine
For mechanical drawing see T351+
- 227 Drafting room practice
- 230 General works
- 233 General special
- 235 Graphic statics applied to machinery
- 240 Atlases and collections of designs and plans
- 241 Machinery manufacturing (General)
For special types of machinery and machine-building processes, see under each machine or process, e.g. TJ1125+ Machine shop practice; TK2331 Electric machinery; TN345 Mining machinery; TS225+ Forging; TS228.99+ Founding; TS1525 Textile machinery
Cf. HD9705+ Machinery trade and manufacture
- 243 Machine parts

- 245 Specifications for machinery
 245.5 Quality control of machinery
 246 Packing. Gaskets. Sealing
 Cf. TJ529 Steam engine cyclinder packing
 247 Diaphragms
 247.5 Bellows
 248 Mechanical models
 249 Erecting work. Foundations
 Prime movers in general
 250 General works
 253 Testing
 254 Governors and governing
 Cf. TJ550+ Steam engines
 Cf. TJ1055 Machinery exclusive of prime movers
 Combustion engineering
 Cf. QD516 Thermochemistry
 Cf. TH7140+ Industrial furnace
 Cf. TJ324.7 Furnaces
 Cf. TJ756 Internal combustion engines
 Cf. TJ773 Explosion or ignition devices
 Cf. TJ797 Diesel engines
 Cf. TP315+ Fuel
 254.5 General works
 254.7 Combustion chambers
 Cf. TL709.5.C55 Jet engines
 Heat engines
 Class here engines using heat as a source of power
 For hot-air engines see TJ765
 255 General works
 255.5 Materials
 Including ceramic materials
 260 Heat in its applications, as a source of power, etc
 Class here heat from the mechanical engineering standpoint
 262 Heat pumps
 Cf. TH7638 Heating and air conditioning
 Heat exchangers
 For special applications, see under machine or process, e. g.
 TJ778 Gas turbines; TP363 Heating, drying, cooling,
 evaporating, etc.
 263 General works
 263.2 Thermosyphons
 263.5 Boilers (General)
 Cf. TH7470+ Heating
 Cf. TJ281+ Steam boilers
 264 Heat pipes
 264.5 Vortex tubes
 265 Theory of heat engines. Thermodynamics

- Turbines. Turbomachines (General)
 - Cf. TJ735+ Steam turbines
 - Cf. TJ778 Gas turbines
 - Cf. TJ870+ Hydraulic turbines
 - Cf. VM740 Marine turbines
- 266 General works
- 267 Theory of turbines. Fluid, aero- and hydrodynamics of turbomachinery
- 267.5.A-Z Special topics, A-Z
- 267.5.B43 Bearings
- 267.5.B5 Blades
- 267.5.C3 Cascades
- Compressors
 - 267.5.C5 General works
 - 267.5.C6 Supersonic compressors
- 267.5.D4 Diffusers
- 267.5.D5 Disks
- 267.5.I6 Impellers
- 267.5.N5 Noise
- 267.5.N6 Nozzles
 - Including supersonic nozzles, etc.
- Steam engineering
 - Steam
 - Including heated fluids
 - 268 Properties, etc.
 - 270 Tables, calculations, etc.
 - 271 Flow in pipes, orifices, etc.
 - 272 Superheated steam. Superheaters, etc.
 - Cf. TJ693 Locomotives
 - 275 Treatises, textbooks, etc.
 - 277 Pocketbooks, tables, etc.
 - 279 General special
 - Including high pressure steam
 - Study and teaching
 - 280 General works
 - 280.5 Examinations, questions, etc.
 - 280.7 Geothermal engineering
 - Cf. TH7416+ Geothermal heating
 - Cf. TK1055 Production of electric power from geothermal energy
 - Steam boilers
 - Cf. TJ263.5 Boilers (General)
- 281 Periodicals, societies, etc.
- 282 Dictionaries and encyclopedias
- 283 History
 - General works
 - 284 Early works to 1850

- Steam boilers
 - General works -- Continued
 - 285 1850-
 - 286 Elementary textbooks
 - 288 General special
 - Including boiler accessories
 - 289 Handbooks, management and care of boilers
 - Including firemen's manuals, catechisms, etc.
 - Cf. VM749 Manuals for marine boiler attendants
 - Construction (Boilermaking)
 - 290 General works
 - 291 Material of boilers, strength and testing
 - 292 Settings
 - 293 Supports
 - 294 Manholes
 - 295 Models
 - 296 Catalogs
 - For special types see TJ310+
 - 297 Testing. Heat transmission through boiler tubes
 - 298 Safety measures. Inspection
 - Steam boiler explosions
 - Cf. TH6565+ Kitchen boiler explosions
 - 299 General works
 - 301 Reports of special boiler explosions
 - (302-308) Law and legislation
 - see class K
 - Types of boilers
 - 310 Early types
 - Including Cornish, Lancashire, etc.
 - Multitubular
 - 311 General works
 - 312 Vertical
 - Locomotive boilers see TJ642
 - Water tube boilers
 - 314 General works
 - 315.A-Z Special types, A-Z
 - 316.A-Z Combination and other forms, A-Z
 - 318 Electrically heated steam boilers
 - 319 Waste heat boilers
 - Kitchen boilers see TH6563
 - Marine boilers see VK588+
 - Boiler details and accessories
 - Furnaces
 - 320 General works
 - Grates
 - 322 General works
 - 324.A-Z Special types, A-Z

- Steam boilers
- Boiler details and accessories
- Furnaces -- Continued
- 324.5 Fuel systems
- 324.7 Combustion
- 325 Gas burning installations
- 326 Oil burning installations
- 328 Air preheating
- Chimneys
 - Cf. TH4591 Construction
- 330 General works
- 333 Draft
- 335 Forced draft. Mechanical draft
- Smoke prevention and consumers see TD884
- 340 Fuel economizers
- 345 Mechanical stokers. Automatic stokers
- 347 Grate shakers
- Safety appliances
 - Cf. TH6565+ Hot water supply
- 350 General works
- Safety valves
 - 352 General works
 - 354.A-Z Special types, A-Z
- 356 Fusible plugs
- 357 Pressure regulators
- 358 Blowoffs
- Water gages
- 360 General works
- 363 Gage or try cocks
- 366 Water glasses
- Steam or pressure gages
- 370 General works
- 372.A-Z Steam types, A-Z
- Feed apparatus
- 375 General works
- 377 Water supply for boilers
- 378 Wells, etc.
- 379 Feedwater purification. Water softeners, etc.
- Feedwater heaters
 - 381 General works
 - 383.A-Z Special types, A-Z
- 385 Feed pumps
- 387 Injectors
- Boiler scale
 - Including its prevention and removal
- 390 General works
- 392 Boiler compounds. Catalogs, circulars, etc.

- Steam boilers
 - Boiler details and accessories -- Continued
- 393 Steam accumulators
- Steam powerplants. Boiler plants
- 395 Plants for power, heating, etc.
- Plants for power alone
- 400 General works
- 403 General special
- 405 Operation and management
- 407 Special plants. Description, plans, drawings, testing, etc.
- Coal and ash handling see TJ1405
- 411 Directories of manufacturers and dealers in equipment and supplies
- 412 Equipment and supplies
 - Including catalogs
- Pipe and fittings
 - Including standardization
 - Cf. TH7478 Steam heating fittings
- 415 General works
- (418) Catalogs
 - see TJ412
- 421 Pipe flanges
 - Including standardization
- 424 Expansion joints
- 427 Steam pipe covering
- Steam valves
- 430 General works
- 432 Catalogs
- 433 Reducing valves
- 435 Steam packing
- 438 Steam traps
- 441 Steam separators
- 444 Oil separators
 - Cf. TH7578.G7 Steam heating, grease separators
- Steam engines
- 461 History
- 464 Early works to 1850
- 465 1850-
- 466 Textbooks
- 467 Popular works. Juvenile works
- 469 General special
 - Including curiosa
- 471 Handbooks, etc., for engine tenders
- 472 Addresses, essays, lectures
- 473 Catalogs (General)
 - For special types, see below
- 474 Standards. Specifications

- 475 Steam engines -- Continued
 - 475 Tests and efficiencies
 - 478 Indicators
 - 480 Models
- 485.A-Z Steam engines. Special types (Reciprocating)
 - For early types see TJ461+
 - Types. By inventor or maker, A-Z
 - e.g.
 - 485.C5 Corliss
 - Types. By use of steam
 - Simple
 - 490 General works
 - 492 Single acting
 - 494 Double acting
 - 495.A-Z Special makes, A-Z
 - Compound
 - 497 General works
 - 499.A-Z Special makes, A-Z
 - Triple expansion
 - 501 General works
 - 503.A-Z Special makes, A-Z
 - 505 Quadruple expansion
 - 507 Other types (not A-Z)
- 515 Steam engines (Design and construction)
 - 515 General works
 - 520 Balancing of engines
 - Details
 - Including description and parts
 - 523 Foundations
 - 525 Frame setting
 - Cylinder
 - 527 General works
 - 529 Stuffing box. Packing
 - 531 Steam jacket
 - 533 Piston and piston rod. Piston rings
 - 535 Crosshead and connecting rod
 - 537 Crank and crankpin
 - 539 Shaft and journals
 - 541 Flywheel
 - 543 Eccentric and eccentric-rod
 - 545 Slide valve
 - 546 Piston valve
 - Valve gears
 - 547 General works
 - 548.A-Z Special types, A-Z
 - Governors
 - 550 General works

- Steam engines
 - Steam engines (Design and construction)
 - Details
 - Governors -- Continued
 - 551.A-Z Special types, A-Z
 - 551.C8 Corliss valve gears
 - Steam engine accessories
 - 555 General works
 - 557 Condensers
 - 559 Jet
 - 561 Surface
 - 563 Cooling towers
 - 565 Wells
 - 567 Exhausts
 - Locomotives
 - Cf. TF1+ Railroads
 - History
 - Cf. TJ625.A+ Special locomotive works
 - 603 General works
 - Special countries
 - United States
 - 603.2 General works
 - 603.3.A-Z Special railroad lines. By line, A-Z
 - e.g.
 - 603.3.S6 Southern Pacific Railroad
 - 603.4.A-Z Other regions or countries, A-Z
 - Under each:*
 - .x *General works*
 - .x2A-.x2Z *By special line, A-Z*
 - Biography of locomotive engineers
 - For biography of inventors, designers, manufacturers, etc., of locomotives see TJ140.A+
 - 603.49 Collective
 - 603.5.A-Z Individual, A-Z
 - General works
 - Including dictionaries
 - 604 Early to 1850
 - 605 1850-
 - 605.5 Juvenile works
 - 606 Manuals, pocketbooks, etc. for the locomotive builder
 - 607 Handbooks, manuals, etc. for locomotive engineers and firemen
 - 608 General special
 - Including boiler accessories
 - Special types
 - 609 General works
 - 611 Simple

Locomotives

Special types -- Continued

- 613 Compound
- 615 Other types. By use of steam
Electric locomotives see TF975
- 618 Oil burning steam locomotives
Diesel locomotives
- 619 General works
Special regions or countries
United States
- 619.2 General works
- 619.3.A-Z Special railroad lines. By line, A-Z
- 619.4.A-Z Other regions or countries, A-Z
Under each:
.x *General works*
.x2A-.x2Z *By special line, A-Z*
- 619.5 Engines
- 619.7 Electric equipment
Electro-diesel locomotives see TF980
- 621 Gasoline locomotives
- 622 Gas turbine locomotives
- 623 Nuclear locomotives
- 625.A-Z Special locomotive works and companies, A-Z
Including reports, histories, catalogs and descriptions of their locomotives
e.g.
625.B2 Baldwin Locomotive Works
- 630 Models and miniature engines
- 635 Design and construction
Repairs see TJ675
Details (Various motive powers)
- 640 Frames and running gear
- 642 Boilers
Including regulation and inspection
- Fireboxes
- 646 General works
- 647 Ashpans
- 648 Fuel for locomotives. Coal, oil, etc.
Cf. TJ690 Locomotive performance
- 649 Mechanical stokers
- 650 Draft appliances. Exhausts
- 653 Smoke prevention
- 656 Sparks and spark arresters
- 659 Cylinders, pistons, etc.
- 662 Connecting rods, etc.
- 665 Valves and valve gears
Other special

- Locomotives
 - Details (Various motive powers)
 - Other special -- Continued
 - 668 Headlights
 - 669.A-Z Other, A-Z
 - 669.B4 Bearings
 - 669.B6 Boosters
 - 669.B7 Brakes
 - 669.C6 Compressors
 - 669.C7 Cranks and crankshafts
 - 669.E4 Electric equipment
 - 669.S6 Speedometers
 - 669.S7 Storage batteries
 - 669.W54 Wheels
 - 671 Locomotive tenders
 - 675 Locomotive maintenance and repair. Lubrication
 - Locomotive works and shops
 - 680 General works
 - 683 Shop practice
 - Supervision and inspection of locomotives
 - Cf. TJ642 Boiler inspection
 - Documents
 - 685.A1-.A5 United States
 - 685.A6A-.A6Z Other countries, A-Z
 - 685.A7-Z General works
 - 690 Testing. Locomotive performance
 - Cf. TF550+ Movement of trains
 - 693 Superheated steam for locomotives
 - 695 Locomotives for industrial purposes, logging, mining, etc.
 - Cf. TN337 Electric mine locomotives
- Other steam engines
 - Marine engines see VM731+
 - 700 Traction engines, etc.
 - 705 Steam wagons, trucks, etc.
 - Cf. TL200+ Steam automobiles
 - Road rollers see TE223+
 - 710 Portable engines
 - 712 Farm engines
 - 717 Reciprocating engines of unusual form
 - Steam engines of other forms not reciprocating
 - 720 General works
 - 725 Eolipiles
 - 727 Aerosteam engines
 - 729 Rotary engines
 - 731 Cycloidal engines
 - Steam turbines
 - Cf. VM740 Marine turbines

- Other steam engines
 - Steam turbines -- Continued
 - 735 General works
 - 737 General special
 - 740 Special types, makes, etc. (not A-Z)
- Miscellaneous motors and engines
 - Including internal combustion engines; air, gas, and oil engines, etc.
 - 751 Periodicals, societies, etc.
 - 752 Dictionaries and encyclopedias
 - 753 History
 - 755 General works
 - 755.5 Juvenile works
 - 756 Combustion. Thermodynamics
 - Cf. TJ797 Diesel engines
 - 758 Patents
 - 759 General special
 - 762.A-Z Parts and systems, A-Z
 - 762.B4 Bearings
 - 762.C73 Cranks and crankshafts
 - Cf. TJ669.C7 Locomotives
 - Cf. TL210+ Motor vehicles
 - 762.C94 Cylinder blocks
 - 762.F84 Fuel systems
 - 762.S95 Superchargers
 - 763 Adiabatic engines
 - 765 Hot-air engines. Caloric engines
 - Compressed air engines
 - 766 General works
 - 766.5 Air turbines
 - 766.7 Air-cooled engines
 - 768 Gas powerplants
 - Gas engines
 - 770 General works
 - 773 Explosion or ignition devices
 - 774 Other details. Cylinders, pistons, etc.
 - 775 Regulation devices
 - 776 Special types
 - Including catalogs
 - 777.A-Z Special applications, A-Z
 - 777.F3 Farm engines
 - 778 Gas turbines
 - Cf. TJ812.6 Solar gas turbines
 - Cf. VM740 Marine turbines
 - 779 Free piston engines
 - 779.2 Opposed piston engines
 - 780 Engines for utilization of furnace and waste gases and heat

- Miscellaneous motors and engines -- Continued
- Internal combustion engines, Spark ignition
- Cf. TJ621 Gasoline locomotives
 - Cf. TL210+ Automobile motors
 - Cf. TL701+ Airplane motors
 - Cf. VM771+ Marine engines
- 782 Periodicals, societies, congresses, etc.
- 785 General works
- 787 Carburetion, ignition, etc. Spark plugs. Magnetos
- Cf. TL213 Automobiles
- 788 Cylinders, pistons, and other parts
- 789 General special
- Including lubrication, cooling, etc.
 - For automobile or airplane lubricants prefer TL153.5 and TL702.L8
- Special types
- 790 Small gasoline engines
- Including two-stroke and four-stroke engines
- 791 Stratified charge engines
- 792 Rotary combustion engines
- Including Wankel engine, Frasca engine
- Special applications
- 793 Agricultural machinery
- 793.2 Construction equipment
- 793.3 Hoisting machinery
- Diesel engines
- Cf. TJ619.5 Diesel engines for locomotives
 - Cf. TK1075 Diesel engine electric plants
 - Cf. TL704.2 Diesel engines for aircraft
 - Cf. VM770 Marine diesel engines
- 795.A1 Periodicals, societies, etc.
- 795.A2-Z General works
- 795.5 Special types, makes, etc. (not A-Z)
- 797 Fuel systems. Fuel injection systems. Combustion
- Cf. TP343+ Diesel fuels
- 798 Lubrication
- 798.5 Cylinders, pistons and other parts
- 799 General special
- Including cooling, governors, exhaust systems, etc.
- 800 Alcohol motors
- 805 Engines or motors using other combustible liquids and vapors
- Renewable energy sources
- Cf. GB1199.5+ Geothermal resources
 - Cf. TC147 Water power
 - Cf. TP360 Biomass energy
- 807 Periodicals. Societies. Serials

Renewable energy sources -- Continued

- 807.2 Congresses
- 807.4 Dictionaries and encyclopedias
- 807.6 Directories
- 807.8 Information services
- 807.9.A-Z By region or country, A-Z
- 808 General works
- 808.2 Juvenile works
- 808.3 Handbooks, tables, etc.
- 808.5 Addresses, essays, lectures
- Research
 - 808.6 General works
 - 808.7.A-Z By region or country, A-Z
- Solar energy
 - Class here general works on solar energy. For applications in special fields, see the field, e.g. TH7413 Solar heating of buildings
 - Cf. HD9681 Solar energy industry
 - Cf. NA2542.S6 Architecture and solar radiation
 - Cf. QC910.2+ Solar radiation
 - Cf. TH6561.7 Solar water heating
 - Cf. TH7414 Solar houses
 - Cf. TK1056 Production of electric power from solar energy
- 809 Periodicals. Societies. Serials
- 809.2 Congresses
- Exhibitions. Museums
 - 809.4 General works
 - 809.5.A-Z By region or country, A-Z
 - Subarrange each country by Table T4b
- 809.6 Dictionaries and encyclopedias
- 809.8 Directories
- 809.9 Information services
 - By region or country
 - United States
 - 809.95 General works
 - 809.96.A-Z By region or state, A-Z
 - 809.97.A-Z Other regions or countries, A-Z
- 810 General works
- 810.3 Juvenile works
- 810.5 Handbooks, tables, etc.
- 810.7 Addresses, essays, lectures
- 810.9 Study and teaching
- Research
 - 811 General works
 - 811.5.A-Z By region or country, A-Z
- Special topics

- Renewable energy sources
 - Solar energy
 - Special topics -- Continued
 - Solar batteries. Solar cells see TK2960
 - 812 Solar collectors
 - 812.5 Solar engines
 - 812.6 Solar gas turbines
 - 812.7 Solar materials
 - 812.8 Solar ponds
 - Wind power
 - 820 General works
 - Windmills
 - 823 History
 - 824 Early works to 1800
 - 825 1800-
 - 827 Trade catalogs
 - 828 Wind turbines
 - Wind pumps see TJ926
 - 830 Animal motors. Treadmills
- Hydraulic machinery
 - Cf. TC1+ Hydraulic engineering
 - 836 Periodicals. Societies. Serials
 - 838 Congresses
 - 839 Dictionaries and encyclopedias
 - General works
 - 840.A2 Early to 1800
 - 840.A3-Z 1800-
 - 843 Oil hydraulics and oil hydraulic machinery
 - 844 Hydraulic fluids
 - Hydraulic powerplants
 - Cf. TK1081+ Hydroelectric plants
 - Cf. TK1421+ Hydroelectric plants, by place
 - (845) General works
 - see TC147
 - 847 Sluices, gates, etc.
 - 849 Penstocks and pipelines
 - 851 Wasteways, etc.
- Fluidics and fluidic devices
 - 853 General works
 - 853.4.A-Z Special topics, A-Z
 - 853.4.M53 Microfluidics and microfluidic devices
 - Including nanofluids
 - 853.4.O68 Optofluidics
- Hydraulic motors
 - 855 General works
 - 857 General special
 - Including regulators, etc.

- Hydraulic machinery -- Continued
- 859 Water mills
 - Water wheels
 - 860 General works
 - 862 Overshot
 - 864 Undershot
 - 866 Tangential (Pelton, etc.)
 - Turbines
 - Cf. TJ735+ Steam turbines
 - 870 General works
 - 873 General special
 - 875 Special types
 - 880 Hydraulic brakes
 - 890 Water-pressure engines
 - Conveying of gases, liquids and solids by means of steam, air, or water
 - 898 General works
 - 898.5 Coal slurry pipelines
 - Cf. TJ1405 Coal-handling machinery
 - Pumps and pumping engines
 - Cf. TC929 Irrigation pumps
 - 899 Periodicals, societies, etc.
 - 899.5 Congresses
 - 899.7 Dictionaries and encyclopedias
 - 900 General works
 - 901 General special
 - Including ancient and primitive pumps
 - 902 Catalogs
 - Cf. TH6529 Water-supply fittings
 - 902.5 Standards. Specifications
 - 903 Hand pumps
 - Cf. TH9363 Fire pumps
 - 905 Hydraulic rams
 - Steam pumps
 - 906 General works
 - 908 Catalogs, etc.
 - 910 Electric pumping machinery
 - 912 Solar pumps
 - 915 Piston pumps. Reciprocating pumps
 - 916 Metering pumps
 - 917 Rotary pumps
 - 919 Centrifugal pumps (Kreiselpumpen)
 - 921 Pulsometers, steam syphons, etc.
 - 925 Pumping by compressed air. Airlift pumps
 - 926 Wind pumps
 - 927 Submersible pumps
 - Fire engines see TH9371+

- Pipelines (General)
 - Cf. TA660.P55 Structural engineering
 - Cf. TC1800 Ocean engineering
 - Cf. TJ898.5 Coal slurry pipelines
 - Cf. TN879.5+ Petroleum pipelines
 - Cf. TN880.5 Natural gas pipelines
- 930 General works
- 930.5 Supports
- 933 Equipment and supplies
 - Including catalogs
- 934 Double wall piping
- 935 Flow of fluids in pipes. Flowmeters
 - Cf. TC174 Flow of water in pipes
- Vacuum technology
- 940 General works
- 940.5 Vacuum pumps
- Pneumatic machinery
- 950 General works
 - Airbrakes see TF420+
- 955 Air pumps
 - Blowers and fans. Exhausters
 - Cf. TH7683.A+ Ventilation fixtures
- 960 General works
- 963 Piston blowers. Blast engines
- 966 Rotary blowers
- 969 Centrifugal blowers
- Compressed air
- 981 Periodicals, societies, etc.
- 985 General works
 - Air compressors
 - General works
 - Catalogs and trade publications
- 1000 Distribution and transmission
 - Pneumatic tools
 - General works
 - Catalogs
- 1005 General works
- 1007 Catalogs
- 1009 Sandblast
 - Cf. TP864 Glasswork
- 1015 Pneumatic tubes and carriers
 - Flow of gases in pipes. Air meters
- 1025 General works
- 1030 Air jets

- Machinery exclusive of prime movers
 Including millwork, e.g., the shafting, gearing and other driving machinery of mills and factories
 For mills of specific places see TS21+
 Cf. TS191.3 Installation and maintenance of factory machinery
- 1040 General works
 Power and power transmission
- 1045 General works
- 1049 General special
- 1051 Power transmission machinery
 Including catalogs
- 1053 Measurement of power. Dynamometers
- 1053.5 Torquemeters
- 1054 Speed and revolution indicators
- 1055 Regulation and control of power. Governors
 For steam engine governors see TJ550+
- 1057 Shafting
- 1057.4 Axles
 Cf. TF386 Rail car axles
 Cf. TF949.A9 Electric railway car axles
 Cf. TL683.A8 Airplane axles
- 1058 Rotors
- 1059 Universal joints
- 1060 Brakes
 Cf. TF415+ Railroad brakes
 Cf. TF949.B7 Electric railway brakes
 Cf. TJ669.B7 Locomotive brakes
 Cf. TJ880 Hydraulic brakes
 Cf. TJ1377 Elevator brakes
 Cf. TK4081 Electric brakes
 Cf. TL269+ Automobile brakes
 Cf. TL683.B7 Airplane brakes
- 1060.2 Shock absorbers
 Cf. TF393 Railroads
 Cf. TL257.5 Motor vehicles
 Cf. TL683.S4 Airplanes
- Bearings
 Cf. TA660.B45 Structural engineering
- General and metallic bearings
- 1061 General works
- 1063 Plain bearings. Journal bearings
- 1065 Pillow blocks, hangers, brackets
- 1067 Pivot bearings
- 1069 Collar bearings
- 1071 Antifriction devices. Ball and roller bearings

- Machinery exclusive of prime movers
- Bearings -- Continued
 - Nonmetallic bearings
 - Including special types of bearings
 - 1072 General works
 - 1073.A-Z Special materials, A-Z
 - 1073.C45 Ceramic
 - 1073.J4 Jewel
 - 1073.P6 Plastic
 - 1073.R8 Rubber
 - 1073.W6 Wood
 - 1073.5 Hydrodynamic and hydrostatic lubrication. Gas-lubricated bearings
 - 1073.6 Oil mist lubrication
 - 1073.7 Magnetic bearings
 - 1074 Clutches. Friction clutches
 - For automobile clutches see TL261
 - Tribology. Lubrication and friction
 - 1075.A2 Periodicals, societies, etc.
 - 1075.A3-Z General works
 - Lubricants
 - Cf. TJ789 Lubrication of motors and engines
 - Cf. TP669+ Oils, fats, etc.
 - 1077 General works
 - 1078 Solid lubricants
 - 1079 Oilfeeders, etc.
 - 1081 Oil strainers, etc.
 - 1095 Traction drives
 - Belt gearing. Belt transmission
 - 1100 General works
 - 1103 Pulleys
 - 1105 Belting
 - 1107 Belt shifters, etc.
 - 1115 Rope transmission
 - 1117 Chain gearing
 - 1119 Link belting
 - Toothed gearing see TJ184+
 - Machine shops and machine shop practice
 - Cf. TS200+ Metal manufactures. Metal forming
 - 1125 General works
 - 1127 Film catalogs
 - Building and arrangement of machine shops
 - 1130 General works
 - 1133 Plans for buildings and shops
 - Management of machine shops
 - Drafting-room practice see TJ227+
 - 1135 General works

- Machine shops and machine shop practice
 - Management of machine shops -- Continued
 - Accounting and bookkeeping see HF5686.M2
 - 1143 Production standards. Time and motion study
 - 1146 Cost of production
 - 1148 Estimating
 - Including estimates
 - 1150 Storerooms, stockrooms, supplies
- Machine shop practice
 - 1160 General works
 - 1165 Machinists' manuals. Shop kinks, shop mathematics, repairing, etc.
 - 1166 Gages and gaging systems
 - 1167 General special
 - Including errors in workmanship, accuracy of fitting, etc.
 - 1170 Directories of dealers in machinery and supplies
 - Special companies (History, etc.) see TJ130.A+
 - 1175 Catalogs of machinery (General)
 - 1177 Safety appliances (General)
 - For safety appliances for special types of machinery, see the machinery, e. g. TS850 Woodworking
- Machine tools and machining
 - Including design, manufacture, and use
 - Cf. TS215 Use of metal working machinery (General)
 - 1180 Periodicals, societies, etc.
 - 1183 Dictionaries and encyclopedias
 - 1185 General works
 - 1185.5 Automatic lines, indexing tables, transfer machines
 - 1186 Cutting tools
 - Class here drill bits, milling cutters, reamers, broaches, etc., treated collectively
 - For cutting tools treated individually, see the special numbers, e. g. TJ1263 Drills; TJ1270 Reamers
 - 1187 Jigs and fixtures
 - 1187.4 Spindles
 - 1188 Machine tool drives
 - For electric drives, see TK4059.M32
 - 1189 Numerical control of machine tools
 - For numerical control of special types of machinery, see the machinery, e. g. TJ1225 Milling machines
 - 1190 Catalogs
 - 1191 Special types of machining
 - Including electric spark, ultrasonic, etc.
 - 1191.5 Micromachining
 - Materials used in machine and hand tools
 - 1192 General works
 - Special materials

- Machine shops and machine shop practice
- Machine tools and machining
 - Materials used in machine and hand tools
 - Special materials -- Continued
 - 1193 Diamonds and other precious stones
 - 1194 Plastics. Other materials (not A-Z)
 - Handtools
 - Cf. TH5618 Carpentry tools
 - Cf. TL1098 Space tools
 - Cf. TT186 Woodworking tools
 - 1195 General works
 - 1200 Catalogs
 - 1201.A-Z Special handtools, A-Z
 - 1201.A9 Axes
 - Files see TJ1285
 - 1201.H3 Hammers
 - 1201.N8 Nut runners and setters
 - 1201.P55 Planes
 - Pliers see TJ1201.T64
 - Saws see TJ1235
 - 1201.S3 Scrapers
 - 1201.S34 Screwdrivers
 - Shears see TJ1240
 - 1201.S68 Squares
 - 1201.T64 Tongs. Pliers
 - 1201.V5 Vises
 - 1201.W44 Wedges
 - 1201.W8 Wrenches
 - Special tools
 - Planing machines
 - 1205 General works
 - 1206 Planers
 - 1208 Shapers. Routing tools
 - Cf. TT203.5 Woodworking
 - 1210 Slotting and grooving machines
 - Turning machines. Screw machines
 - Cf. TT207 Metal turning
 - 1215 General works
 - Lathes
 - 1218 General works
 - 1219 Chucks
 - 1220 Boring attachments
 - 1222 Screw-cutting machines
 - Milling machines
 - For gear cutting machinery see TJ187
 - 1225 General works
 - 1227 Milling cutters

- Machine shops and machine shop practice
- Machine tools and machining
- Special tools -- Continued
- Cutting and sawing machinery
 - Cf. TK4660.5 Electric cutting machinery
- 1230 General works
- Saws
 - For sawmill machinery see TS850
- 1233 General works
- 1235 Saw filing
 - Cf. TJ1285 Files and filing
- 1237 Saw sets
- 1240 Shears
- Perforating machinery
- 1250 General works
- Punching machinery
 - Cf. TS253 Punch and die work; press tool work
- 1255 General works
- 1257 Multiple punches
- Drilling machinery
- 1260 General works
- Drills
 - Including making and tempering
- 1263 General works
- 1265 Catalogs
- 1270 Reamers
- Abrading machinery. Grinding, lapping, etc. Sharpening
 - Cf. TS654.5 Electrolytic polishing
- 1280 General works
- 1285 Files and filing
 - Cf. TJ1235 Saw filing
- 1287 Catalogs
- 1290 Emery wheels
- 1293 Grindstones
- Abrasives and polishes
- 1296 General works
- 1298 Carborundum. Silicon carbide
- 1300 Bending machines
 - Including straightening and shaping
- Hammers. Steam hammers. Power hammers, etc.
- 1305 General works
- 1310 Riveting machines
- 1313 Measuring tools, rules, calipers, etc.
- 1315 Bench work and fitting
- Assembling machines
- 1317 General works
- 1317.5 Orienting mechanisms

Machine shops and machine shop practice -- Continued

Fasteners

Cf. TA492.A+ Special forms in metal

- 1320 General works
- 1325 Rivets
- 1327 Retaining rings
- 1328 Pins
- 1329 Keys and keyways. Splines
- Bolts and nuts
 - 1330 General works
 - 1333 Bolt cutters
 - 1335 Taps and dies
- Screws and screw threads
 - 1338 General works
 - 1340 Standards
- Screw-cutting machines see TJ1222
- 1345 Crushing and milling machinery
 - Cf. TE239 Stonecrushers for road material
 - Cf. TJ1225+ Milling machines
 - Cf. TJ1280+ Abrading machinery
 - Cf. TN496+ Ore-dressing, etc.
 - Cf. TP937.5 Paint machinery
 - Cf. TS2120+ Flour mills, etc.
- Hoisting and conveying machinery
 - Cf. TS180.3 Materials handling machinery
- 1350.A1 Periodicals, societies, etc.
- 1350.A2-Z General works
- 1353 Catalogs
- 1355 Excavators
 - Cf. TA735+ Excavating machinery (Operation and use)
- Hoisting machinery
 - Cf. TJ793.3 Internal combustion engines for hoisting machinery
- 1357 Blocks and falls
- 1359 Chain blocks
- 1360 Vacuum lifters
- 1361 Shear legs, etc.
- 1362 Winches
- Cranes and derricks
 - 1363 General works
 - 1365 Travelling cranes
- 1366 Lifting magnets
- 1367 Details of construction
 - Including girders and beams
- Elevators
 - 1370 General works
 - 1372 Specifications

- Hoisting and conveying machinery
 - Hoisting machinery
 - Elevators -- Continued
 - 1374 Electric elevators
 - 1375 Hydraulic elevators
 - 1376 Escalators
 - 1377 Brakes and safety devices
 - 1380 Elevator service in buildings
 - 1382 Dumbwaiters
 - 1383 Hoists
 - For ashes, etc.
 - Conveying machinery
 - Cableways. Telpherage. Wire rope transportation
 - 1385 General works
 - 1387 Electric telpher systems
 - Conveyors, belts, etc., for assembly line production.
 - Endless carriers
 - 1390 General works
 - 1395 Catalogs
 - 1398 Conveyors, chutes, etc., for letters, parcels, cash, etc.
 - Passenger conveyors
 - 1400
 - Coal-handling machinery
 - 1405
 - Cf. TF294 Locomotive coaling plants
 - Cf. TH4471 Coal-handling plants
 - Cf. TJ898.5 Coal slurry pipelines
 - Cf. TN815 Mining
 - Ash-handling machinery
 - 1410
 - Grain-handling machinery
 - Cf. TH4461 Grain elevators
 - General works
 - 1415
 - Special systems, companies, etc.
 - 1417
 - Dumping devices
 - 1418
 - Lifting and pressing machinery
 - General works
 - 1425
 - Lifting jacks
 - General works
 - 1430
 - Screwjack
 - 1433
 - Hydraulic jack
 - 1435
 - Presses
 - General works
 - 1450
 - Catalogs
 - 1452
 - Screw press
 - 1455
 - Hydraulic presses
 - 1460
 - Pneumatic presses
 - 1465
 - Filter presses
 - General works
 - 1470
 - Catalogs
 - 1475

- Agricultural machinery. Farm machinery
 Cf. S671+ Utilization of agricultural machines
 Cf. S675.5 Maintenance and repair
 Cf. S677 Catalogs
- 1480.A1 Periodicals, societies, etc.
 1480.A2-Z General works
 1482 Soil working machines: plows, harrows, cultivators, etc.
 1483 Seeders, planters, etc.
 1484 Machines for caring for plants
 1485 Harvesters, reapers, etc.
 1486 Threshing machines. Combines
 1486.5 Lumbering machinery
 1487 Other
 Farm gas engines see TJ777.F3
 Farm steam engines see TJ712
 Gasoline tractors see TL233+
 Pumps and pumping engines see TJ899+
 Trucks see TL230+
- 1495.A-Z By region or country, A-Z
 1496.A-Z By company, A-Z
- Sewing machines
 Cf. TT713 Sewing machine work
- 1501 Periodicals, societies, etc.
 Exhibitions
- 1503.A1 General works
 1503.A2-Z By region or country, A-Z
 Subarrange each country by Table T4b
- 1504 Dictionaries and encyclopedias
 1505 Directories
 1507 History
 1510 General works
 1512 Patents
 1513 General special
 1515 Manuals of instruction for users
 1519 Trade catalogs
- Other special machinery
- 1530 Goffering machines
 1535 Winding machines
 1540 Screening machinery
 (1545) Packaging machinery
 see TS196.4
- 1550 Wrapping machines
 1555 Sorting devices
 Coin operated machines
- 1557 General works
 1560 Vending machines
 1570 Amusement machines

Electrical engineering. Electronics. Nuclear engineering
 For electricity in general see QC501+
 For works combining mechanical and electrical engineering
 see TJ163+
 For production of electric energy see TK1001+
 For dynamoelectric machinery and auxiliaries see TK2000+
 For distribution or transmission of electric power see
 TK3001+

Periodicals and societies

Arrange by language of publication

- 1.A1 International or polyglot
- 1.A3-Z English
- 2 French
- 3 German
- 4 Other languages (not A-Z)
- 5 Congresses

Exhibitions. Museums

For telegraphic exhibitions see TK5107.5.A1+

- 6.A1 General works
- 6.A2-Z By region or country, A-Z
 Subarrange each country by Table T4b

7 Collected works (nonserial)

9 Dictionaries and encyclopedias
 Cf. QC505 Electrical dictionaries

11 Electrotechnical readers

12 Directories of electrical industries
 For central station directories see TK1194

(13) Yearbooks
 see TK1+

History

- 15 General works
- 16 Early to 1830
- 17 Nineteenth century, 1830-1880
- 18 1880-

21-127 Country divisions (Table T1a)
 Add country number in table to TK0
 Including general reports of government bureaus

Biography

- 139 Collective
 - 140.A-Z Individual, A-Z
- General works
- 143 Before 1830
 - 144 1830-1870
 - 145 1870-
 - 146 Elementary textbooks

TK

ELECTRICAL ENGINEERING. ELECTRONICS.
NUCLEAR ENGINEERING

TK

- 147 Laboratory manuals, outlines, syllabi, etc.
 - For standardizing see TK275+
 - For testing see TK401
- 148 Juvenile works. Popular works
 - For amateur's handbooks see TK9900+
- 151 Pocketbooks, tables, etc.
- 152 Safety measures (General)
- 153 General special
 - Including electromechanical transducers
- 155 Addresses, essays, lectures
- 159 Electrical engineering as a profession
 - For electrical engineering (Biography) see TK139+
- Study and teaching
- 165 General works
- 168 Problems, exercises, etc.
- 169 Examinations, questions, etc.
- America
- 171 General works
 - United States
 - General works
 - 173 States, A-W
 - 174.A-.W Cities, A-Z
 - 175.A-Z
 - Canada
 - 176 General works
 - 177.A-Z Special provinces, A-Z
 - 178.A-Z Special cities, A-Z
 - 179 Latin America
 - 180 Mexico
 - Central America
 - 182 General works
 - 183.A-Z Special countries, A-Z
 - West Indies
 - 185 General works
 - 186.A-Z Special islands, A-Z
 - South America
 - 188 General works
 - 189.A-Z Special countries, A-Z
 - Europe
 - 191 General works
 - 192.A-Z Special countries, A-Z
 - Asia
 - 194 General works
 - 195.A-Z Special countries, A-Z
 - Africa
 - 197 General works
 - 199.A-Z Special countries, A-Z

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TK

Study and teaching -- Continued

Australia

- 201 General works
- 202.A-Z Special states, A-Z
- 203 New Zealand
- Pacific islands
- 204 General works
- 205.A-Z Special islands, A-Z

Special schools

United States

- 210.A-Z By school, A-Z
- 211.A-Z Correspondence schools, A-Z
- 213.A-Z Other countries. By school, A-Z
- (215-255) Laws and legislation relating to applications of electricity
see class K

257

Patents

260

Insurance requirements

Cf. TK3275 Wiring

Electric standards and measurements

Class here works of a practical nature

For standards of special machinery or material, see the subject,
e.g. TK2311 Dynamoelectric machinery; TK3307 Wire and
cable

For works on the theory, experimental aspects and study of
electrical measurements see QC535+

For testing of electric machinery see TK401

Cf. TK425 Specifications

275

General works

277

General special

Electric meters

301

General treatises

General catalogs

308

Manufacturers' catalogs

309

Supply companies' catalogs

Meters for special measurements

311

Resistance meters and measurements

Including galvanometers, ohmmeters, resistance boxes,
Wheatstone's bridge, shunts

315

Impedance meters and measurements

321

Potential and voltage meters and measurements

Including voltmeters, voltage detectors

325

Voltohmmeters

For combined works on voltohmmeters and vacuum
tube voltmeters see TK7879.2

TK

ELECTRICAL ENGINEERING. ELECTRONICS.
NUCLEAR ENGINEERING

TK

Electric meters

Meters for special measurements -- Continued

- 331 Intensity and current meters and measurements
Including ammeters, coulometers, ampere-hour meters,
voltmeters
- 335 Capacitance meters and measurements
- 341 Quantity meters and measurements
Including wattmeters
- 351 Energy and power meters and measurements
Including watt-hour meters, power factor meters
- 381 Other meters and measurements
Including frequency meters and measurements,
oscillographs, phase meters, synchronizers
- 393 Recording meters (General). Process recorders
For special types see TK311+
- 396 Prepayment meters
- 399 Telemeter systems
- 401 Testing of electric machinery and appliances (General)
For the testing of special machinery or appliances, see the
special subject, e.g. TK2316 Machinery testing
Cf. TK147 Laboratory manuals
Cf. TK275+ Electric measurement
- Electrical engineering and testing laboratories
- 411 General works
- 415.A-Z Special laboratories, A-Z
- 425 Specifications (General)
For specifications for special machinery, etc., see the special
subject, e.g. TK2321 Dynamoelectric machinery
- 431 Drawings
- 435 Estimates
- Management and superintendence of electrical enterprises
Cf. TK1811 Management of electric power plant central
stations
- 441 General works
- 445 Business getting. Soliciting
- Interconnection of power systems
- 447 General works
- 448 Automation
- General electrical manufacturing and engineering companies
For economic aspects see HD9685.A1+
- 451.A2 Collective
- 451.A3-Z Individual, A-Z
- Electric apparatus and materials
- 452 General works
- 453 Materials (General)

Electric apparatus and materials -- Continued

Electric circuits

Cf. TK3226 Electric-power circuits

454

General works

454.15.A-Z

Special circuits, A-Z

454.15.A48

Alternating current

454.15.D57

Direct current

454.15.E65

Equivalent

454.15.P37

Parallel

454.15.S47

Series

454.2

Electric networks

Cf. TK3226 Electric-power networks

454.4.A-Z

Special, A-Z

454.4.C6

Copper

454.4.E5

Electromagnets

454.4.E9

Explosionproof apparatus

Insulation and insulating materials see TK3401+

454.4.L3

Laminated metals

454.4.M3

Magnetic materials

454.4.M33

Magnetic shielding

Meters see TK301+

Microelectromechanical systems see TK7875

454.4.P5

Phosphors

454.4.P55

Plastics

Cf. TK3441.P55 Plastics (Insulation)

454.4.P7

Protective coatings

454.4.S7

Steel

454.4.S93

Superconductors

Cf. TK7872.S8 Superconductors (Electronics)

454.4.T3

Talc

455

Catalogs of electric machinery and supplies

Theory

(500)

Theory (General)

see TK143+

Theory of dynamoelectric machinery see TK2211

Theory of direct-current machinery see TK2615

Theory of alternating-current machinery see TK2715

Theory of the line see TK3226

Special

531

Current and voltage waveforms

541

Resonance in electrical engineering

Production of electric energy or power

For powerplants see TK1191+

For dynamoelectric machinery (General) see TK2000+

For distribution of electric power see TK3001+

1001

General works

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ELECTRICAL ENGINEERING. ELECTRONICS.
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TK

Production of electric energy or power -- Continued

- 1005 General special
- 1006 Distributed generation
 - Including small-scale power generation, metropolitan plants
- 1007 Electric power systems control
- 1010 Electric power system stability
 - Including quality control
- 1020 Emergency power supply
- 1025 Security measures
- Production from heat. Cogeneration of electric power and heat
 - Cf. TK2950+ Thermoelectricity (Applied)
- 1041 General works
- 1051 Production from steam (Coal)
- 1055 Production from geothermal energy
- 1056 Production from solar thermal energy
- 1061 Production from gas
- 1071 Production from other fuels
- 1073 Ocean thermal energy conversion
- 1075 Diesel engine electric plants
- 1076 Gas turbine power plants
- 1078 Production from atomic power
- Production from waterpower. Hydroelectric power production
 - For special countries and plants see TK1421+
- 1081 General works
- 1083 Pumped storage power plants
- Production from windpower see TK1541
- Direct production from chemical action see TK2901+
- Production from solar energy
- 1085 General works
- 1087 Photovoltaic power generation. Photovoltaic power systems
 - Including building-integrated photovoltaic systems
 - Cf. TK2960 Solar batteries. Solar cells
 - Cf. TK8322 Photovoltaic cells
- Production from solar thermal energy see TK1056
- Production classified by character of the electric current
 - For distribution of electric energy (classified by character of the electric current) see TK3101+
 - General works see TK1001+
 - Direct-current engineering
 - Cf. TK2611+ Direct-current dynamoelectric machinery
- 1111 General works
- 1121 Edison three-wire system
- Alternating-current engineering
 - Cf. TK2711+ Alternating-current machinery

Production of electric energy or power
 Production classified by character of the electric current
 Alternating-current engineering -- Continued

- 1141 General works
 1145 Single-phase currents
 1151 Two-phase currents
 Polyphase currents
 Cf. TK2745+ Polyphase-current machinery
- 1161 General works
 1165 Three-phase currents
 1168 Multiphase currents
- Electric power plants (General)
 Including light and powerplants
 For special types see TK1001+
 For dynamoelectric machinery and auxiliaries see
 TK2000+
 For central stations wiring see TK3281
 For electric lighting stations see TK4201+
 For telegraph power production see TK5371
 For telephone power production see TK6271+
 Cf. TH4581+ Construction of powerplants
- 1191 General works
 1193 Special regions or countries, A-Z
 1194 Directories
 Cf. TK12 Directories of electrical industries
- Special
- 1221-1327 Power plants utilizing heat energy (Table T1a)
 Add country number in table to TK1200
 Cf. TK1041+ Production of electric energy from heat
- Power plants utilizing nuclear power
 Cf. TK1078 Production of electric energy from
 nuclear power
- America
- 1341 General works
 United States
- 1343 General works
 1344.A-.W States, A-W
 1345.A-Z Cities, A-Z
- Canada
- 1346 General works
 1347.A-Z Special provinces, A-Z
 1348.A-Z Special cities, A-Z
- 1349 Latin America
 1350 Mexico
 Central America
- 1352 General works

Production of electric energy or power
Electric power plants (General)

Special

Power plants utilizing nuclear power

America

Central America -- Continued

1353.A-Z Special countries, A-Z

West Indies

1355 General works

1356.A-Z Special islands, A-Z

South America

1358 General works

1359.A-Z Special countries, A-Z

Europe

1361 General works

1362.A-Z Special countries, A-Z

Asia

1364 General works

1365.A-Z Special countries, A-Z

Africa

1367 General works

1369.A-Z Special countries, A-Z

Australia

1371 General works

1372.A-Z Special states, A-Z

1373 New Zealand

Pacific islands

1374 General works

1375.A-Z Special islands, A-Z

1421-1527 Power plants utilizing waterpower (Table T1a)

Add country number in table to TK1400

Cf. TK1081+ Production of electric energy from
waterpower

1541 Power plants utilizing wind

Power plants utilizing both heat and waterpower see
TK1221+

1545 Power plants utilizing solar energy

Cf. TK1056 Production of electric power from solar
thermal energy

1560 Power plants utilizing other power

1751 Substations

1811 Central station management

For machine operators' manuals see TK2184

For electric lighting (Central station management) see
TK4238

TK

ELECTRICAL ENGINEERING. ELECTRONICS.
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TK

- Production of electric energy or power
- Electric power plants (General) -- Continued
- 1831 Central station testing
 - Cf. TK2316 Testing of dynamoelectric machinery
- 1841 Electric power rates
 - Cf. HD9685.A1+ Economic aspects
 - Cf. TK21+ Special places
- Dynamoelectric machinery and auxiliaries
 - Including motive power, machinery and auxiliaries
 - For production of electric energy see TK1001+
 - For powerplants see TK1191+
 - For auxiliaries (General) see TK2811+
- 2000 General works
- Dynamoelectric machinery
 - Including both direct and alternating-current generators, motors, etc.
- 2081 Special motive power and driving apparatus for dynamoelectric machinery
- General works
- 2181 Treatises
- 2182 Elementary textbooks
- 2184 Operators' manuals
- Amateurs' handbooks of generator and motor construction see TK9911
- 2189 General special
- 2211 Theory
 - For theory of direct-current machinery see TK2615
 - For theory of alternating-current machinery see TK2715
- 2271 Eddy currents in electrical engineering
- 2281 Commutation and brush resistance
 - Cf. TK2481 Commutation
- 2311 Standards
- 2313 Monitoring
- 2316 Testing
 - For central station testing see TK1831
 - For generators and motors see TK2433
 - For direct-current machinery see TK2623
 - For alternating-current machinery see TK2723
- 2321 Specifications
- 2325 Machine drawing for electrical engineers
- 2331 Design and construction
 - For generators and motors see TK2435
 - For direct-current machinery see TK2625
 - For alternating-current machinery see TK2725

TK

ELECTRICAL ENGINEERING. ELECTRONICS.
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TK

- Dynamolectric machinery and auxiliaries
- Dynamolectric machinery -- Continued
- 2341 Types of dynamoelectric machinery
 - For generators see TK2441+
 - For motors see TK2537
 - For direct-current machinery see TK2631
 - For alternating-current machinery see TK2731
- 2391 General special
 - Including automata, coils, etc.
- Generators (General) (D.C. and A.C.). Dynamos
 - Including works treating of both generators and motors
 - For direct-current generators see TK2661+
 - For alternating-current generators see TK2761+
 - For machinery for electric lighting see TK4241
 - For amateurs' handbooks of generator construction see TK9911
- 2411 General works
- 2433 Testing of generators and motors
- 2435 Design and construction of generators and motors
 - For design of details see TK2451+
 - For design of direct-current generators see TK2625
 - For design of alternating-current generators see TK2761+
- Types of generators
 - For direct-current generators see TK2665
 - For alternating-current generators see TK2765
- 2441 General works
- 2448 Variable speed generators
- Details
- 2451 General works
- Special
 - Mechanical details
 - 2456 General works
 - 2458.A-Z Special, A-Z
 - 2458.B4 Bearings
 - 2458.F68 Foundation
 - 2458.S5 Shafting
- Magnetic details
- 2461 General works
- Special
 - 2464 Field yoke
 - 2465 Field poles
 - 2466 Field shoes
- Electrical details
- 2471 General works
- Special

Dynamoelectric machinery and auxiliaries

Dynamoelectric machinery

Generators (General) (D.C. and A.C.). Dynamos

Details

Special

Electrical details

Special -- Continued

Winding

2474

General works

2475

Field winding and spools

2477

Armature winding and armatures

2481

Commutators and collectors

For commutation see TK2281

2484

Brush holders and brushes

2487

Shunts. Leads

2488

Terminals

2491

General special

Motors (General) (D.C. and A.C.)

For works treating of generators and motors together
see TK2411+

For direct-current motors see TK2681

For alternating-current motors see TK2781+

For use of electric motors see TK4055+

2511

Treatises

2514

Elementary textbooks

(2535)

Amateurs' handbooks

see TK9911

2537

Types

For railway motors see TF935

2541

Details

For details in common with generators see TK2451+

2551

Transforming machinery (D.C. and A.C.)

For direct-current transforming machinery see
TK2691+For alternating-current transforming machinery see
TK2791+For amateurs' handbooks of transformer construction
see TK9915

Direct-current machinery

For direct-current engineering see TK1111+

General works

2611

Treatises

2612

Textbooks

2615

Theory

Including short-circuited currents in armatures

2623

Testing of D.C. machinery

- Dynamolectric machinery and auxiliaries
 - Dynamolectric machinery
 - Direct-current machinery -- Continued
 - 2625 Design and construction
 - 2631 Types
 - Details see TK2451+
 - 2644 General special
 - Special direct-current machinery
 - Direct-current generators
 - 2661 General works
 - Design see TK2625
 - 2665 Types
 - Including constant-potential generators, low voltage generators, constant-current generators, commutation pole generators
 - Details see TK2451+
 - 2681 Direct-current motors
 - Direct-current transforming machinery
 - 2691 General works
 - Special
 - 2692 Inverters
 - 2693 Dynamotors
 - 2695 Motor generators
 - 2697 Boosters
 - 2699 Other direct-current machinery
 - Alternating-current machinery
 - Cf. TK1141+ Alternating-current engineering
 - General works
 - 2711 Treatises
 - 2712 Textbooks
 - 2715 Technique of alternating-current machinery
 - Including "hunting" fields, parallel driving
 - 2723 Testing of alternating-current machinery
 - 2725 Design and construction
 - 2731 Types of alternating-current machinery
 - Including synchronous, polyphase, etc.
 - Details see TK2451+
 - 2744 General special
 - Special classes of alternating-current machinery
 - 2745 Polyphase-current machinery
 - For polyphase currents see TK1161+
 - Alternating-current generators
 - 2761 General works
 - 2765 Types
 - 2781 Alternating-current motors
 - General works

- Dynamolectric machinery and auxiliaries
 - Dynamolectric machinery
 - Alternating-current machinery
 - Special classes of alternating-current machinery
 - Alternating-current motors -- Continued
 - Types
 - 2785 Induction, asynchronous and polyphase motors.
 - Squirrel-cage motors
 - Starting compensators see TK2851
 - 2787 Synchronous motors
 - 2789 Repulsion motors. Repulsion induction motors.
 - Commutator motors. Series-wound motors
 - Alternating-current transforming machinery
 - D.C. to A.C. transforming machinery
 - 2791 General works
 - A.C. transformers. Autotransformers or compensators. "Current" transformers
 - 2792 General works
 - 2794 Types
 - A.C. to D.C. transforming machinery
 - 2795 General works
 - 2796 Converters. Rotaries
 - 2797 Motor-generator sets (A.C. synchronous or induction motors)
 - Including cascade converters (i.e. induction motor-dynamo; secondary winding of motor and armature of generator in cascade)
 - 2798 Other A.C. to D.C. transformers. Aluminum cells
 - Cf. TK7871.7+ Electron tubes
 - 2799 Other alternating-current machinery
 - Including frequency converters
 - 2805 Condensers
 - Apparatus auxiliary to dynamoelectric machinery
 - 2811 General works
 - Switchboards and accessories
 - Including switchboard meters, switches, rheostats
 - For switchboards for electric power for telephones see TK6271+
 - For switchboards for telephone line connections see TK6391+
 - 2821 General works
 - 2822 Direct current
 - Alternating current
 - 2825 General works
 - 2826 Low tension A.C.
 - 2828 High tension A.C.

Dynamoelectric machinery and auxiliaries

Apparatus auxiliary to dynamoelectric machinery

Switchboards and accessories -- Continued

2831

Switches

Circuit breakers and fuses

2841

General works

2842

Circuit breakers

2846

Fuses and "Cutouts"

For fuses (General) see TK3511

2851

Rheostats. Regulators. Controllers. Starters

For controllers or starters for electric cars see TF930

2861

Relays

2891

Accumulators in central stations

Devices for production of electricity by direct energy
conversion

Cf. TL783.54+ Rocket engine propulsion

2896

General works

Production of electricity directly from chemical action

2901

General works

Special apparatus

For amateurs' manuals see TK9917

2921

Primary cells

For special types see TK2945.A+

Fuel cells

2931

General works

2933.A-Z

Special devices, A-Z

2933.M65

Molten carbonate fuel cells

2933.P76

Proton exchange membrane fuel cells

2933.S65

Solid oxide fuel cells

2941

Storage batteries. Rechargeable batteries. Secondary
cells

For accumulators in central stations see TK2891

For special types see TK2945.A+

2942

Solid state batteries

2943

Battery chargers

2945.A-Z

Other special batteries, A-Z

Fuel cells see TK2931+

2945.L42

Lead-acid

2945.L58

Lithium

2945.N52

Nickel-cadmium

2945.N53

Nickel-hydrogen

2945.S63

Sodium-sulfur

Solid state batteries see TK2942

Thermal batteries see TK2953

2945.Z55

Zinc

Thermoelectricity (Applied)

- Devices for production of electricity by direct energy conversion
- Thermoelectricity (Applied) -- Continued
- 2950 General works
- Special apparatus
- 2953 Thermal batteries
- 2955 Thermionic converters
- 2960 Solar batteries. Solar cells
- Cf. TJ812.5 Solar engines
- Cf. TK1056 Production of electric power from solar thermal energy
- Cf. TK1087 Photovoltaic power generation. Photovoltaic power systems
- Cf. TK8322 Photovoltaic cells
- Cf. TK9918 Amateur construction
- Cf. TL1100+ Electric equipment on space vehicles
- 2965 Atomic batteries. Isotopic power generators
- 2970 Magnetohydrodynamic generators
- Cf. TL783.6 Plasma rockets
- Cf. TL1102.G4 Generators
- 2975 Electrohydrodynamic generators
- Electric energy storage
- Cf. TK1081+ Pumped storage power plants
- Cf. TK2805 Condensers
- Cf. TK2891 Storage batteries
- 2980 General works
- 2985 Magnetic energy storage
- 2986 Pulsed power systems
- Distribution or transmission of electric power
- Including the electric-power circuit
- Cf. TK1001+ Production of electric energy
- 3001 General works
- 3081 Testing of distribution systems
- For the line and component parts see TK3207
- 3084 Earthquake effects
- 3085 Lightning protection
- 3091 General special
- Systems
- For overhead and underground systems see TK3221+
- For electric lighting (Systems) see TK4303+
- 3101 General works. Tapping of line for various uses
- 3107 Transformation of electricity (General)
- For transforming machinery see TK2551
- 3111 Direct-current systems
- Cf. TK1111+ Direct-current engineering

Distribution or transmission of electric power
Systems -- Continued

Alternating-current systems

Cf. TK1141+ Alternating-current engineering

- 3141 General works
- 3142 Low tension A.C. systems (to 500 volts)
- 3143 Medium tension A.C. systems (500-10,000 volts)
- 3144 High tension A.C. systems (above 10,000 volts)
- 3148 Flexible AC transmission systems
- 3151 Single-phase current systems
- 3153 Two-phase current systems
- Polyphase current systems
- 3155 General works
- 3156 Three-phase current systems
- 3158 Multiphase current systems
- 3159 Polycyclic systems
Class here combinations of single and two-phase currents
transmitted over single line and used as single and
two-phase current at point of application
- 3171 Composite systems (A.C. and D.C.)
- Wiring
Including central station, line and user's plant
For special wiring, see the subject, e.g. TK4255, Electric wiring;
TK5441, Telegraph; TK6341 Telephone
For the line (General) see TK3221+
- 3201 General works
- 3205 Pocketbooks, tables, diagrams, etc.
For tables of properties and dimensions of wire see
TK3305
- 3207 Testing of line and component parts
For distribution system testing see TK3081
For wire see TK3307
- 3211 General special
- The line
- 3221 General works
- 3226 Technique of the line. Electric-power circuits and
networks
Including induction capacity, etc., of parallel lines, heat
losses of overhead lines and underground lines
Cf. TK454+ Electric circuits (Apparatus)
Cf. TK454.2 Electric networks (Apparatus)
Cf. TK7872.T74 Electronic circuits
- 3227 Grounding
- Aerial or overhead lines and component parts
For telegraph overhead lines see TK5452+
For telephone overhead lines see TK6352

Distribution or transmission of electric power

Wiring

The line

Aerial or overhead lines and component parts --

Continued

3231

General works

3239

Catalogs

Details

3242

Poles, crossarms and towers

3243

Pole supports

3246

Line insulators. Testing of insulators

Cf. TK3431 Testing of insulating material

3248

Lightning arresters (General)

Underground lines and component parts

For telegraph underground lines see TK5465+

For telephone underground lines see TK6365

3251

General works

3255

General special

Including electrolysis due to underground systems

Cf. TF912 Stray currents from electric traction

3258

Specifications

3261

Details

Including conduits, manholes

For cables see TK3351

Interior or indoor wiring

3271

General works

3275

Insurance underwriters' requirements

3278

Specifications

3281

Central station wiring

3283

Factory wiring

3284

Commercial building wiring

3285

House wiring

Conductors. Wires. Cables

For telegraph wire and cable see TK5481

For telephone wire and cable see TK6381+

3301

General works

3305

Tables of properties and dimensions of wire

Cf. TK3205 Pocketbooks of wiring

3307

Standards and testing of wire and cable

For testing of the line (General) see TK3207

3311.A-Z

Conductors, A-Z

3311.A6

Aluminum

3311.C6

Copper

3311.G3

Gases

3311.P6

Polymers

3321

Bare wires

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Distribution or transmission of electric power
Conductors. Wires. Cables -- Continued

Insulated wires

3331 General works

3335 Testing

Cf. TK3431 Insulating material

3351 Cables

For submarine cables see TK5661+

Insulation and insulating material

3401 General works

Insulating material

3421 General works

3431 Testing

For insulators see TK3246

For insulated wire and cables see TK3335

3441.A-Z Special insulating materials, A-Z

3441.C35 Cellulose

3441.C38 Ceramics

3441.E6 Epoxy resins

3441.F55 Fluorine organic compounds

3441.G3 Gases

3441.G5 Glass

3441.L5 Liquids

3441.M4 Metallic oxides

3441.O5 Oil

3441.P25 Paper

3441.P55 Plastics

3441.P58 Polymers

3441.S46 Silicon nitride

3441.S47 Silicon organic compounds

3441.S48 Siloxanes

3441.S5 Slate

3441.S8 Sulfur hexafluoride

3441.V3 Varnish

Other details

3511 Fuses (General)

For fuses for switchboards see TK2846

3521 Connectors

Applications of electric power

4001 General works

Electric railways see TF854.2+

4015 General special

Special applications

4018 Agriculture and the farm

Cf. HD9688 Rural electrification

4025 School building equipment

Applications of electric power

Special applications -- Continued

- 4035.A-Z
4035.A35 Other special, A-Z
Air conditioning
Airplanes see TL690+
- 4035.A6 Apartment houses
4035.B83 Building materials industry
4035.C25 Cement industries
4035.C35 Chemical laboratories
4035.C37 Chemical plants
4035.C4 Clothing factories
4035.C47 Clubhouses
4035.C6 Coke industry
Commercial buildings see TK4035.M37
- 4035.F3 Factories (General)
4035.F6 Flour mills
4035.F67 Food industry
4035.H3 Harbors
Health facilities and hospitals see RA969.48
Heating (Building construction) see TH7409+
Heating (Electrical engineering) see TK4601+
- 4035.H6 Hoisting machinery
4035.H9 Hydraulic structures
4035.K58 Knit goods industry
4035.L4 Leather industry
4035.M37 Mercantile buildings. Commercial buildings
4035.M4 Metallurgical plants
4035.M6 Motion picture theaters
4035.N6 Nonferrous metal industries
4035.O7 Ore-dressing plants
4035.P3 Paper industry
4035.P33 Peat industry
4035.P35 Petroleum engineering
4035.P55 Pipelines
4035.R3 Railroad repair shops
4035.R4 Refrigeration and refrigerating machinery
4035.R46 Restaurants
4035.R6 Rolling mills
4035.R82 Rubber industry
4035.S4 Service industries
4035.S5 Shipyards
4035.S7 Steelworks
4035.S9 Sugar factories
4035.T4 Textile factories
- Mechanical applications of electric power
4050 General works

Applications of electric power
Mechanical applications of electric power -- Continued

Use of electric motors

- 4055 General works
4057 General special
Including motor repairers' manuals
Cf. TK3205 Wiring manuals, etc.
- Electric driving
- 4058 General works
4059.A-Z Special, A-Z
4059.C64 Compressors
4059.C65 Construction equipment
4059.C67 Conveying machinery
4059.D4 Deck machinery
4059.D73 Dredges
4059.E9 Excavating machinery
4059.F35 Fans
4059.H64 Hoisting machinery
4059.K55 Knitting machines
4059.M32 Machine tools
4059.M55 Mining machinery
4059.P74 Printing presses, machinery, etc.
4059.P85 Pumping machinery
4059.R64 Rolling mill machinery
4059.S55 Sluice gates
4059.T48 Textile machinery
4059.T87 Turbomachines
4059.W56 Winding machines
- 4081 Electric brakes
- Electric calculating machines
Class here also works that discuss both electric calculating machines and computers
For works on computers only see TK7885+
Cf. HF5679 Machine methods in accounting
Cf. QA71+ Calculating machines (Mathematics)
- 4090 General works
Special machines
Accounting machines
- 4100 General works
4101.A-Z Special. By make, A-Z
e.g.
4101.I5 International Business Machines Corporation
4102 Billing machines
- Electric lighting
Cf. TH7700+ Domestic illumination
- 4125 Periodicals, societies, etc.

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Electric lighting -- Continued

- 4129 Dictionaries and encyclopedias
- 4131 History
- Special countries
 - Including annual reports of electric lighting departments
 - Cf. HD4486+ Municipal industries
 - Cf. TK4220+ Special plants
- America
 - 4134 General works
 - United States
 - 4135 General works
 - 4136.A-.W States, A-W
 - 4137.A-Z Cities, A-Z
 - Canada
 - 4138 General works
 - 4139.A-Z Special provinces, A-Z
 - 4140 Mexico
 - Central America
 - 4141 General works
 - 4142.A-Z Special countries, A-Z
 - West Indies
 - 4143 General works
 - 4144.A-Z Special islands, A-Z
 - South America
 - 4145 General works
 - 4146.A-Z Special countries, A-Z
 - Europe
 - 4147 General works
 - 4148.A-Z Special countries, A-Z
 - Asia
 - 4149 General works
 - 4150.A-Z Special countries, A-Z
 - Africa
 - 4151 General works
 - 4152.A-Z Special countries, A-Z
 - Australia
 - 4153 General works
 - 4154.A-Z Special states, A-Z
 - New Zealand
 - Pacific islands
 - 4155 General works
 - 4156.A-Z Special islands, A-Z
 - General works
 - 4160 Early to 1870
 - 4161 1870-
 - 4162 Elementary textbooks

Electric lighting -- Continued

- 4164 Electricians' manuals
 4166 Pocketbooks, tables, etc.
 Wiring for electric lighting see TK4255
 Amateurs' handbooks see TK9921
 4169 General special
 4175 Technique. Theory of electric lighting
 Including candlepower, light distribution
 4181 Specifications
 For incandescent lighting see TK4348
 4186 Management of electric lighting enterprises
 For management of electric lighting plants see TK4238
 4188 Special aspects of electric lighting
 Including city or metropolitan lighting, rural lighting, indirect
 lighting, lighting of roads
 Lighting machinery and supplies
 Including catalogs
 Cf. TK455 Electric machinery and supplies
 4195 General works
 4198 Fixtures
 For gas and electric fixtures combined see TH7960+
 Central stations for lighting
 4201 General works
 4218 General special
 Special lighting plants
 4219 General works
 Special lighting plants utilizing heat energy
 4220 United States
 4221 Canada
 4223.A-Z Other American countries, A-Z
 4224 Other (Asia, Africa, Australia, and Oceania)
 Special lighting plants utilizing waterpower
 4225 United States
 4226 Canada
 4228.A-Z Other American countries, A-Z
 4229 Other (Asia, Africa, Australia, and Oceania)
 Special lighting plants utilizing both heat and waterpower
 4230 United States
 4231 Canada
 4233.A-Z Other American countries, A-Z
 4234 Other (Asia, Africa, Australia, and Oceania)
 4237 Substations
 4238 Management of electric lighting plants
 Cf. TK4186 Electric lighting enterprises

Electric lighting -- Continued

- 4241 Machinery for electric lighting
For operators' manuals see TK2184
For electric generators see TK2411+
- Distribution in electric lighting
- 4251 General works
- 4255 Wiring for electric lighting. Installation
For insurance underwriters' requirements see TK3275
For pocketbooks and tables for electric lighting see
TK4166
- Systems of electric lighting
General and miscellaneous, see TK4160+
- 4303 Direct-current systems
- 4304 Alternating-current systems
- 4308 Composite systems (D.C. and A.C.)
- 4310 Electric lamps (General)
- Arc lighting
- 4311 General works
- 4319 General special
- Arc lamps and systems
- 4321 General works
- 4322 Types. Open and enclosed arcs
Prefer TK4329
- 4329.A-Z Special lamps and systems. By name, A-Z
Details
- 4331 General works
- 4335 Carbons
For manufacture of carbons see TK7725
- Incandescent lighting
- 4341 General works. Handbooks. Pocketbooks
- 4348 Specifications
- 4349 General special
Including safety measures
- Incandescent lamps and special systems
- 4351 General works
- 4352 Types. Carbon and metal filament lamps
- 4359.A-Z Special lamps and systems. By name, A-Z
- 4359.H34 Halogen lamps
- 4359.N47 Nernst lamps and systems
- 4359.T9 Tungsten lamps
- Details. Wall plugs, sockets, etc.
- 4361 General works
- 4365 Filaments
- 4367 Tests of efficiency of incandescent lamps
- Electric discharge lighting
Cf. TK4311+ Arc lighting

Electric lighting

Systems of electric lighting

Electric discharge lighting -- Continued

4371

General works

4381

Vapor lamps and systems

Including mercury vapor lamps

4382

Glow lamps

4383

Neon lamps and tubes

4386

Fluorescent lamps and systems

4391

Other lamps and systems (not A-Z)

4395

Private electric-light plants for country houses, etc.

4399.A-Z

Special uses of electric lighting, A-Z

4399.A9

Auditoriums

4399.B8

Building sites

4399.C6

Coal preparation plants

Cf. TN309 Electric lighting of mines

Dwellings see TK4255

4399.E5

Emergency lighting

4399.F2

Factories. Workshops

4399.F3

Farm buildings

4399.F55

Floodlighting

4399.H7

Hotels

Interior decoration, Lighting as an element in see

NK2115.5.L5

4399.I7

Iron and steel works

4399.M5

Mills

4399.O35

Office buildings

4399.P44

Pedestrian areas

4399.P5

Physical education facilities

4399.P6

Power plants

4399.P8

Public buildings

4399.R4

Recreation areas

4399.S4

Searchlights

Ships see VM493

4399.S5

Show windows

4399.S6

Signs

Cf. TK4383 Neon lamps and tubes

4399.S63

Sports facilities

4399.S8

Stores, Retail

Streets see TK4188

4399.T6

Theaters

Cf. PN2091.E4 Electric devices for the stage, and
stage lighting

Cf. TR891 Lighting for motion pictures

(4500)

Infrared technology

see TA1570

TK

ELECTRICAL ENGINEERING. ELECTRONICS.
NUCLEAR ENGINEERING

TK

- Electric heating
 - For rheostats and controllers see TK2851
- 4601 General works
- 4635 Infrared heating
 - Special applications of electric heating
 - Electric space heating see TH7409+
 - Electric cooking stoves see TX657.S5
 - Electric cooking see TX827
 - Thawing of water pipes see TH6685
- 4660 Electric welding
- 4660.5 Electric cutting
- 4661 Electric furnaces
 - Cf. QD157 Inorganic chemistry
 - Cf. QD277 Organic chemistry
 - Cf. TN687 Electric metallurgy
 - Cf. TP841+ Ceramic industries
- Electric ignition devices for gas lighting in buildings see TH6885+
- Electric ignition devices for automobiles see TL213
- Telecommunication
 - Class here general works only. For works on special systems, see the subject
 - Cf. QA268 Coding theory
- 5101.A1 Periodicals, societies, congresses, etc.
- 5101.A3-Z General works
- Exhibitions
- 5101.5.A1 General works
- 5101.5.A2-Z By region or country, A-Z
 - Subarrange each country by Table T4b
- 5102 Dictionaries and encyclopedias
- 5102.2 History
- 5102.3.A-Z By region or country, A-Z
- 5102.4 Juvenile works
- 5102.5 General special
- Biography
 - 5102.54 Collective
 - 5102.56.A-Z Individual, A-Z
- 5102.6 Telecommunication as a profession
- Study and teaching. Research
- 5102.7 General works
- 5102.8.A-Z By region or country, A-Z
- 5102.84 Quality control
- 5102.85 Security measures
- 5102.9 Signal processing
- Coding theory
 - For application in special field, see the field

- Telecommunication
 - Coding theory -- Continued
 - 5102.92 General works
 - 5102.94 Cryptographic techniques
 - 5102.96 Error correction
 - 5102.98 Echo suppression
 - 5102.985 Traffic
 - Apparatus and supplies
 - 5103 General works
 - 5103.12 Wiring
 - 5103.15 Telecommunication lines
 - Modems see TK7887.8.M63
 - Wireless communication systems. Mobile communication systems
 - 5103.2 General works
 - 5103.3 Bluetooth
 - Broadband communication systems
 - 5103.4 General works
 - Asynchronous transfer mode see TK5105.35
 - 5103.45 Spread spectrum communications
 - 5103.452 CDMA
 - 5103.48 CDPD (Standard)
 - 5103.4815 Cognitive radio networks
 - 5103.482 General Packet Radio Service
 - 5103.483 Global system for mobile communications
 - 5103.4833 Microwave communication systems
 - 5103.4835 Millimeter wave communication systems
 - 5103.484 Orthogonal frequency division multiplexing
 - 5103.485 Personal communication service systems
 - 5103.486 TDMA
 - 5103.487 Broadcast data systems
 - 5103.4873 Radio resource management
 - 5103.4874 Roaming
 - 5103.4875 Software radio
 - Radio data systems see TK6570.R27
 - Teletext systems see TK6679.7
 - 5103.4877 Space time codes
 - 5103.488 Trunked radio. TETRA
 - 5103.4883 Universal Mobile Telecommunications System
 - 5103.4885 Wireless Internet
 - Wireless LANs see TK5105.78
 - 5103.5 Information display systems
 - 5103.52 Acoustical telecommunication systems
 - Including underwater acoustic telemetry
 - Optical communications
 - 5103.59 General works

Telecommunication

Optical communications -- Continued

- 5103.592.A-Z Special topics, A-Z
- 5103.592.F52 Fiber optics. Optical fiber communication
- 5103.592.F73 Free space optics
 - Optical fiber communication see TK5103.592.F52
- 5103.592.O68 Optical fiber subscriber loops
- 5103.592.P38 Passive optical networks
- 5103.592.W38 Wavelength division multiplexing
- 5103.6 Laser communications systems
 - Cf. TA1671+ Lasers
- Digital communications
 - 5103.7 General works
 - Synchronous data transmission systems see TK5105.4+
 - 5103.75 Integrated services digital networks
 - 5103.78 Digital subscriber lines
 - 5103.8 Switching systems
 - Packet switching see TK5105.3+
- Artificial satellites in telecommunication
 - Cf. HE9719+ Economics
- 5104 General works
 - 5104.2.A-Z Special systems and projects, A-Z
 - 5104.2.A38 Advanced Communications Technology Satellite
 - 5104.2.A72 'Arabsat
 - 5104.2.A75 ASTRA
 - 5104.2.D5 Dioscures project
 - 5104.2.E29 ECS satellites
 - 5104.2.H46 Hermes
 - 5104.2.I25 INSAT
 - 5104.2.O49 Olympus
 - 5104.2.P33 PACSAT
 - 5104.2.P35 Palapa project
 - 5104.2.R4 Relay
 - 5104.2.S5 Skynet Project
 - 5104.2.T4 Telstar
 - 5104.2.V74 VSATs
- Data transmission systems
 - 5105 General works
 - Wireless communication systems see TK5103.2+
 - 5105.15 Multimedia communications
 - 5105.2 Picture transmission systems. Image transmission
 - Cf. TK5103.75 Integrated services digital networks
 - Cf. TK6505 Video telephone
 - Cf. TK6600 Phototelegraphy
 - Cf. TK6710+ Facsimile transmission
- Packet switching

Telecommunication

Data transmission systems

Packet switching -- Continued

- 5105.3 General works
- 5105.35 Asynchronous transfer mode
- 5105.38 Frame relay
- 5105.386 Streaming technology
- Synchronous transfer systems
- 5105.4 General works
- 5105.415 SONET
- 5105.42 Synchronous digital hierarchy
- 5105.45 TMN

Computer networks

For application in special field, see the field

- 5105.5 General works
- Computer network architectures
- 5105.52 General works
- 5105.525 Peer-to-peer architecture
- Apparatus and supplies
- 5105.53 General works
- 5105.543 Bridges. Routers. Gateways
- 5105.5457 Network processors
- 5105.546 Networks on a chip
- Computer network protocols. Standards
- 5105.55 General works
- 5105.553 ASN.1
- 5105.555 BGP
- 5105.56 CEBus
- 5105.565 CGI
- 5105.5665 File Transfer Protocol
- 5105.5667 HTTP
- 5105.5668 IEEE 802.11
- 5105.567 IPsec
- 5105.5675 IS-IS
- 5105.5677 iSCSI
- 5105.568 JXTA
- 5105.572 L2TP
- 5105.5725 LDAP
- 5105.573 MPLS
- 5105.574 Network File System
- 5105.575 Network Time Protocol
- 5105.577 Open Document Architecture
- 5105.578 Open Shortest Path First
- 5105.58 Open Systems Interconnect
- 5105.582 PPP
- 5105.5825 RADIUS

Telecommunication

Computer networks

Computer network protocols. Standards -- Continued

- 5105.5828 Service-oriented architecture
- 5105.583 Simple Network Management Protocol (SNMP)
- 5105.5835 Stream Control Transmission Protocol
- 5105.585 TCP/IP
- 5105.586 TINA
- 5105.5863 WebDAV
- 5105.5865 Wireless application protocol (WAP)
- 5105.587 X.500
- 5105.59 Computer network security
- 5105.595 Directory services
- 5105.5956 Quality of service. Reliability
 - Including network performance
- 5105.597 Remote access
- 5105.6 Telematics
- 5105.65 Location-based services
- Local area networks
- 5105.7 General works
- 5105.72 Ring networks
- Electronic mail systems
 - Including systems that also connect outside the local network and instant messaging systems
 - Cf. HE7551+ Postal service
- 5105.73 General works
- 5105.74.A-Z Special programs, A-Z
- 5105.74.E57 Entourage
- 5105.74.G55 Gmail
- 5105.74.J32 Jabber
- 5105.74.P66 Postfix
- 5105.74.P76 Procmail
- 5105.74.Q43 Qmail
- 5105.74.S44 Sendmail
- 5105.743 Spam filtering
- 5105.75 Home computer networks
 - Including amateurs' manuals
- 5105.77 Ad hoc networks
- 5105.78 Wireless LANs
- 5105.8.A-Z Special systems, A-Z
- 5105.8.A77 AppleTalk
- Banyan VINES see TK5105.8.V56
- 5105.8.B57 BLEND
- 5105.8.C57 Cisco
- 5105.8.E25 Econet
- 5105.8.E83 Ethernet

Telecommunication

Computer networks

Local area networks

Special systems, A-Z -- Continued

5105.8.I24 IBM Token-Ring Network
 5105.8.I44 ILLINET
 5105.8.J84 Juniper
 5105.8.L34 LAN Server
 5105.8.N63 Nortel
 5105.8.N65 Novell Netware networks
 5105.8.S65 SNA
 5105.8.T65 TOPS
 5105.8.V56 VINES

5105.83 Electronic villages

5105.84 Value-added networks

5105.85 Metropolitan area networks

5105.86 Storage area networks

Wide area networks

5105.87 General works

5105.875.A-Z Special networks and systems, A-Z

5105.875.B57 BITNET

5105.875.C45 CGNET

5105.875.D37 DDN

5105.875.E87 Extranets

5105.875.F55 Florida Information Resource Network

5105.875.I57 Internet

5105.875.I6 Intranets

5105.875.N37 National Research and Education Network

5105.875.S95 SURAnet

5105.875.S97 Switched multi-megabit data service

5105.875.U83 Usenet

Specific aspects of, or services on, the Internet

General works see TK5105.875.I57

5105.878 Moral and ethical aspects

Browsers

5105.882 General works

5105.883.A-Z Special, A-Z

(5105.883.C66) Communicator (Netscape)
 see TK5105.883.N49

5105.883.F55 Firefox

5105.883.G66 Google Chrome

5105.883.M53 Microsoft Internet Explorer

5105.883.N43 NetCruiser

5105.883.N48 Netscape. Netscape Navigator

5105.883.N49 Netscape Communicator

5105.883.N493 Netscape SuiteSpot

Telecommunication

Computer networks

Wide area networks

Specific aspects of, or services on, the Internet

Browsers

Special, A-Z -- Continued

5105.883.O65
(5105.883.S85)

Opera

SuiteSpot (Netscape)

see TK5105.883.N493

5105.8835

Domain names

Search engines

Class here works on the engineering and technology of
search enginesFor works on using search engines to retrieve
information see ZA4230+

5105.884

General works

5105.885.A-Z

Special, A-Z

5105.885.A45

AltaVista

5105.885.G66

Google

5105.885.N68

Novell E-guide

5105.885.O37

OASIS

5105.885.O53

OMEGA

5105.885.R34

RaiNews24

5105.885.W42

WebCompass

5105.885.Y34

Yahoo!

Electronic mail systems see TK5105.73+

Internet games see GV1469.15+

5105.8854

Internet governance

5105.886

Internet Relay Chat

5105.8863

Computer sound processing

5105.8865

Internet telephony

Internet videos

5105.8867

General works

5105.8868.A-Z

Special, A-Z

5105.8868.Y68

YouTube

5105.887

Webcasting. Push technology

World Wide Web

Including general works on web site design and
development

5105.888

General works

5105.88813

Web services

5105.88815

Semantic Web

5105.88817

Web 2.0

5105.8882

Wikis

Telecommunication
 Computer networks
 Wide area networks
 Specific aspects of, or services on, the Internet
 World Wide Web -- Continued
 Web authoring software
 Including Web server software
 For HTML see QA76.76.H94
 For specific programs see TK5105.8885.A+
 General works
 Weblog software
 Special, A-Z
 Active server pages
 ActiveX
 Adobe GoLive
 Adobe PageMill
 Adobe Photoshop
 Ajax
 Apache
 BEA Weblogic
 Claris Home page
 Community server
 Composer (Netscape)
 see TK5105.8885.N49
 Django
 DotNetNuke
 Dreamweaver
 Drupal
 Fireworks
 Flash
 FrontPage (Microsoft)
 see TK5105.8885.M53
 FutureTense Texture
 GoLive CyberStudio
 HomeSite
 Jakarta Tomcat
 JavaServer pages
 JBoss
 Joomla
 LiveConnect (Netscape)
 see TK5105.8885.N5
 Lotus Domino
 Macromedia Generator
 Macromedia sitespring
 Macromedia Studio MX
 Microsoft content management server

5105.8883
 5105.8884
 5105.8885.A-Z
 5105.8885.A26
 5105.8885.A28
 5105.8885.A34
 5105.8885.A36
 5105.8885.A38
 5105.8885.A52
 5105.8885.A63
 5105.8885.B4
 5105.8885.C55
 5105.8885.C58
 (5105.8885.C66)

 5105.8885.D54
 5105.8885.D68
 5105.8885.D74
 5105.8885.D78
 5105.8885.F55
 5105.8885.F59
 (5105.8885.F76)

 5105.8885.F87
 5105.8885.G64
 5105.8885.H65
 5105.8885.J34
 5105.8885.J38
 5105.8885.J42
 5105.8885.J86
 (5105.8885.L58)

 5105.8885.L67
 5105.8885.M32
 5105.8885.M37
 5105.8885.M38
 5105.8885.M52

Telecommunication

Computer networks

Wide area networks

Specific aspects of, or services on, the Internet

World Wide Web

Web authoring software

Special, A-Z -- Continued

- 5105.8885.M53 Microsoft FrontPage
 5105.8885.M54 Microsoft Office. Microsoft Office professional
 5105.8885.M55 Microsoft Visual InterDev
 5105.8885.M57 Microsoft Visual studio
 5105.8885.M59 Microsoft Word
 5105.8885.M67 Movable Type
 5105.8885.N34 Namo web edit'õ
 5105.8885.N48 NetObjects Fusion
 5105.8885.N49 Netscape Composer
 5105.8885.N5 Netscape LiveConnect
 5105.8885.N62 Novell Net publisher
 5105.8885.O7 Oracle Portal
 (5105.8885.P34) PageMill
 see TK5105.8885.A36
 5105.8885.R46 Resin
 5105.8885.S24 SAP NetWeaver
 5105.8885.S25 SAS
 5105.8885.S56 Shockwave
 5105.8885.S76 Struts framework
 (5105.8885.T49) FutureTense Texture
 see TK5105.8885.F87
 5105.8885.T54 TK toolkit
 (5105.8885.V58) Visual InterDev (Microsoft)
 see TK5105.8885.M55
 5105.8885.W36 Water
 5105.8885.W42 Web component
 5105.8885.W43 WebSphere
 5105.8885.W65 WordPerfect
 5105.8885.W66 WordPress
 5105.8885.Z65 Zope
 5105.8887 WebTV (Trademark)
 5105.9 Communications software

Telegraph

Including works on the telegraph and telephone

Cf. TK5601+ Submarine telegraph

Cf. TK5700+ Radiotelegraph

Cf. TK9941+ Construction for amateurs

Cf. UG600+ Military telegraph

Periodicals, societies, etc.

5107

Telegraph -- Continued

- Exhibitions
 - 5107.5.A1 General works
 - 5107.5.A2-Z By region or country, A-Z
 - Subarrange each country by Table T4b
- 5108 Collected works (nonserial)
- 5110 Dictionaries and encyclopedias
- History
 - 5115 General works
 - Claims of inventors
 - 5117 General works
 - 5118.A-Z Special. By name, A-Z
 - 5118.B2 Claims of Bain
 - 5118.C7 Claims of Cooke
 - 5118.H5 Claims of Henry
 - 5118.M7 Claims of Morse
- 5121-5227 Country divisions (Table T1a)
 - Add country number in table to TK5100
 - For technical reports of telegraph companies see TK5287.A+
- Biography
 - 5241 Collective
 - 5243.A-Z Individual, A-Z
 - Study and teaching
 - 5250 General works
 - Special schools
 - 5255 United States
 - 5257.A-Z Other countries, A-Z
 - 5261 Comprehensive treatises
 - 5262 Elementary textbooks
 - 5263 Telegraphers' manuals
 - 5264 Beginners' primers
 - 5265 Popular works
 - Cf. TK9941+ Construction for amateurs
 - 5266 Pocketbooks, tables, etc.
 - 5269 General special
 - 5275 Theory of telegraphy
 - 5281 Specifications (General)
 - Management of telegraph enterprises
 - Cf. HE7661 Business administration of telegraph companies
 - Cf. TK5381 Management of telegraph stations
- 5283 General works
- Office organization
 - 5285 General works
 - 5286 Records. Correspondence

Telegraph -- Continued

- 5287.A-Z Technical reports of telegraph companies. By company, A-Z
For financial and other non-technical reports see
HE7761+
- 5295 Catalogs of telegraph apparatus and supplies (General)
- 5301 Telegraph plants. Stations. The line
General works
Stations
- 5311 General works
Central telegraph stations
- 5321 General works
- 5328.A-Z Special. By country, A-Z
- 5341 Branch stations
- 5371 Power production and special machinery
- 5378 Electric cells
- 5381 Management of telegraph stations (Technical)
For telegraphers' manuals see TK5263
Cf. TK5283+ Management of telegraph enterprises
- 5385 Testing of telegraph apparatus, lines and material
Cf. TK5445 Inspectors' manuals
- Distribution. Construction. Connections
Including works on telegraph and telephone lines
- 5401 General works
Wiring of telegraph circuits
Cf. TK6341+ Wiring of telephone circuits
- 5441 General works
- 5445 Telegraph wiremen's manuals. Inspectors' manuals.
Diagrams of connections, etc.
Cf. TK5266 Pocketbooks and tables for telegraph
engineers
- The line
Cf. TK6351+ Telephone lines
- 5451 General works
Overhead lines
- 5452 General works
- 5454 Line material (General)
- 5455 Details
Including poles and crossarms, guys and braces
- Underground lines
- 5465 General works
- 5467 Conduit material (General)
- 5468 Details
Cables see TK5481
- 5481 Telegraph wires and cables
For submarine cables see TK5671

Telegraph

- 5491 Distribution. Construction. Connections -- Continued
Switchboards and accessories (for line connections)
For switchboards for electric power in telegraph see
TK5371
- Systems and instruments for telegraphing
For systems and instruments for making connections see
TK5491
- 5501 General works
- 5509 General special. Telegraph alphabets
(5511) Early to 1830
Claims of inventors, see TK5117+
- 5515 Optic systems. Dial telegraphs. Non-automatic electrolytic
telegraphs
- Acoustic systems and instruments
- 5521 General works
- 5522 General special. Buzzer systems
- 5523 Simplex. Ordinary. High speed
- 5531 Duplex (two messages simultaneously, in opposite
directions)
- 5535 Quadruplex or synchronous (four messages
simultaneously, in two directions)
- 5538 Multiplex (more than four messages simultaneously)
- Automatic transmitting and receiving systems and
instruments
- 5541 General works
- 5543 Printing
Class here letters or characters printed directly
- 5545 Writing. Autographic
- 5546 Ink impression or inking receiving systems and
instruments
- 5547 Perforating transmitting systems and instruments.
Perforated paper-fillet in transmitter and ink
impression in receiver. Synchronographs
- 5549 Chemical (Electrochemical. Photochemical)
Cf. TK6600 Picture telegraph
- 5550 Induction systems
- 5569.A-Z Telegraph systems. By application, A-Z
- 5569.T7 Train telegraph systems
Cf. TK5550 Induction systems
- Instruments (General)
Class special instruments with the system above
- 5571 General works
- 5575 Keys
- Sounders and relays
- 5581 General works

Telegraph

Systems and instruments for telegraphing

Instruments (General)

Sounders and relays -- Continued

5585

Relays

Submarine telegraph

5601

Periodicals, societies, etc.

History

5605

General works

5607.A-Z

By region or country, A-Z

Geographical subdivisions

5609

General works

5611

Atlantic submarine telegraph

Including life and works of C.W. Field

5613

Pacific submarine telegraph

5615

Indian Ocean submarine telegraph

5621

Comprehensive treatises

5622

Elementary textbooks

5625

Popular works

5626

Pocketbooks, tables, etc.

5627

General special

5641

Stations. Construction. Component parts, etc.

Cables and cable laying

5661

General works

Cable laying and repairing

5662

General works

5671

The cable

Cf. TK5481 Telegraph cables (General)

5681

Systems and instruments

Radiotelegraph. Wireless telegraph

Cf. HE8660+ Economics

Cf. HJ6645+ Coast Guard service (U.S.)

Cf. TK6540+ Wireless telephone

Cf. UG610+ Military wireless telegraph

Cf. VG76+ Naval wireless telegraph

5700

Periodicals, societies, etc.

5707

Collected works (nonserial)

5709

Dictionaries and encyclopedias

Directories of wireless stations see HE8663+

5711

History

Special countries

United States

5718

General works

5719.A-W

States, A-W

5720

Canada

5721

Latin America

Telegraph

Radiotelegraph. Wireless telegraph

Special countries -- Continued

- 5721.5 West Indies
South America
- 5722.A1 General works
5722.A2-Z By region or country, A-Z
Europe
- 5723.A1 General works
5723.A2-Z By region or country, A-Z
Asia
- 5724.A1 General works
5724.A2-Z By region or country, A-Z
Africa
- 5725.A1 General works
5725.A2-Z By region or country, A-Z
5726 Australia
5726.5 New Zealand
5727 Pacific Islands
5728 Arctic regions
- Biography
5733 Collective
5739.A-Z Individual, A-Z
- Study and teaching. Schools
5740 General works
5740.5 Laboratory manuals
5741 Comprehensive treatises
5742 Elementary textbooks
5743 Operators' manuals
5745 Popular works
For amateurs' manuals for construction see TK9946
- 5746 Pocketbooks, tables, etc.
5747 General special
5751 Theory
5755 Patents
5771 Stations for radiotelegraph
Special applications
- 5773 General works. Position finding, etc.
(5775) Aeronautical
see TL693+
- 5777 General special
- Systems and instruments for radiotelegraph
For general works, see TK5741+
- 5811 Special systems
Instruments
- 5861 General works

Telegraph

Radiotelegraph. Wireless telegraph
Systems and instruments for radiotelegraph
Instruments -- Continued

5863

Coherers

5865

Other special

Electroacoustics. Electroacoustic transducers

5981

General works

5981.5

Active noise and vibration control

5982

Ultrasonic transducers

5983

Loudspeakers

5983.5

Headphones

5984

Magnetic tape and magnetic tape heads

For data tapes see TK7895.D3

5986

Microphones

Cf. TK6478 Telephone transmitters

5987

Hydrophones

Recorders and recording (Magnetic) see TK7881.6+

Sound systems (General) see TK7881.4+

5990

Sirens

Telephone

For telecommunications devices for the deaf see HV2502.5

For systems and standards used in wireless
communication, including wireless telephone systems
see TK5103.2+

For Internet telephony see TK5105.8865

For telephone plants see TK6201+

For telephone systems and instruments see TK6401+

For mobile communication systems see TK6570.M6

For military telephone systems see UG620.A+

6001

Periodicals, societies, etc.

6005

Congresses. Conventions

Exhibitions. Museums

6005.5.A1

General works

6005.5.A2-Z

By region or country, A-Z

Subarrange each country by Table T4b

6006

Collected works (nonserial)

6007

Dictionaries and encyclopedias

6011

Directories of the telephone industry

History

6015

General works

Claims of inventors

6017

General works

6018.A-Z

Special. By name, A-Z

e.g.

6018.B4

Claims of Bell

Telephone

History

Claims of inventors

Special. By name, A-Z -- Continued

6018.P6

Claims of Pickering

6018.S8

Claims of Strong

6021-6127

Special countries (Table T1a)

Add country number in table to TK6000

For technical reports of telephone companies see

TK6187.A+

Biography

Collective

6141

Individual, A-Z

6143.A-Z

Study and teaching

General works

6150

Special schools

United States

6155

Other countries, A-Z

6157.A-Z

6161

Comprehensive treatises

6162

Elementary textbooks

6163

Operators' manuals

Cf. TK6345 Telephone wiremen's manuals

6164

Beginners' primers

6165

Popular works. Juvenile works

Cf. TK9951 Amateurs' manuals for construction

6167

Pocketbooks, tables, etc.

6168

Examinations, questions, etc.

6169

General special

Including rural telephones, estimates

6175

Theory of the telephone

6181

Specifications (General)

Management of telephone enterprises

Cf. HE8761+ Business administration of telephone companies

Cf. TK6281 Management of telephone stations

6183

General works

Office organization

General works

6185

6186

Records, correspondence, etc.

6187.A-Z

Technical reports of telephone companies. By company, A-Z

For financial and other non-technical reports see

HE8800+

6188

General special

6195

Catalogs of telephone apparatus and supplies (General)

Telephone plants. Stations. The line

6201

General works

Telephone

Telephone plants. Stations. The line -- Continued
Stations. Central telephone stations. Exchanges

6211

General works

6241

Substations

Power production and special machinery

For central stations (General) see TK1191+

6271

General works

6278

Batteries

6281

Management of telephone stations

Cf. TK6183+ Management of telephone enterprises

6285

Testing of telephone apparatus, line and material

Distribution. Construction. Connections

6301

General works

Wiring of telephone circuits

6341

General works

6343

General special

Including phantom circuits

6345

Telephone wiremen's manuals. Inspectors' manuals

Cf. TK3205 Wiring manuals for electricians

Cf. TK5445 Telegraph wiremen's manuals

Cf. TK6163 Telephone operators' manuals

The line

Cf. TK5103.78 Digital subscriber lines

Cf. TK5451+ Telegraph (The line)

6351

General works

6352

Overhead or aerial lines

For telegraph overhead lines see TK5452+

6365

Underground lines

Submarine telephone cables

History

6370

General works

6372.A-Z

By region or country, A-Z

Geographical subdivisions

6373

Atlantic Ocean

6375

Pacific Ocean

6377

Treatises

6379

Popular works. Juvenile works

Telephone wires and cables

For telegraph wires and cables see TK5481

6381

General works

6383

Wiretapping

Switchboards and accessories for line connections

For switchboards for electric power for telephones see

TK6271+

6391

General works

Telephone

Distribution. Construction. Connections

Switchboards and accessories for line connections --

Continued

6392

General special

Systems for making connections

6394

Manual systems

6397

Automatic systems

Systems and instruments for transmitting sound

For systems and instruments for making electric
connections see TK6391+

6401

General works

6418

Catalogs of instruments

Cf. TK6195 Catalogs of apparatus and supplies

Special systems and instruments

Cf. TK6394+ Systems for making connections

6421

General works

6425

Multiplex systems

6430

Centrex systems and services

Instruments

6471

General works

6473

Technique of telephone instruments

Transmitters

6475

General works

6478

Microphones

6481

Receivers

6500

Telegraphones. Telephonographs. Recording

telephones. Dictographs. Mechanical telephones

6505

Video telephones

6525

Simultaneous telegraph and telephone

Radio

Including wireless telephone

Cf. QC660.5+ Electric waves

6540

Periodicals, societies, etc.

6541

Congresses

(6542)

Yearbooks

see TK6540

6543

Collected works (nonserial)

6544

Dictionaries and encyclopedias

Biography

6545.A1

Collective

6545.A2-Z

Individual, A-Z

6547

History

6548.A-Z

By region or country, A-Z

6550

General works

Cf. TK9956+ Amateur construction

Radio -- Continued

- 6550.7 Popular works. Juvenile works
- 6550.8 Laboratory manuals
- 6552 Tables, calculations, etc.
- 6553 General special
 - Including testing, standards, repairing, safety, two-way radio (Radiotelephone), etc.
- 6553.5 Addresses, essays, lectures
- Study and teaching. Research
- 6554 General works
- 6554.5 Examinations, questions, etc.
- 6555 Directories of radio stations
 - Cf. TL695.5 Aircraft stations
- 6557 Trade directories
- Radio stations
 - Cf. TH4655 Construction of radio station structures
- 6557.5 General works
- 6558.A-Z Special radio stations. By place, A-Z
 - e.g.
 - Pittsburgh, KDKA
- 6558.P5 Pittsburgh, KDKA
- 6559 Patents
- Apparatus
- 6560.A1-.Z4 General works
 - Prefer TK6561+
- 6560.Z5 Trade publications
- 6561 Sending apparatus. Transmitters
- 6562.A-Z Special, A-Z
 - Digital audio broadcasting
 - FM broadcasting
 - Packet transmission
 - Satellite radio
 - Shortwave transmission
 - Single-sideband transmission
 - Stereophonic broadcasting
 - Wire broadcasting
- Radio receiving apparatus
 - Including catalogs
- 6563 General works
- 6563.2 Collectors and collecting
- 6564.A-Z Special, A-Z
 - Crystal sets
 - Frequency modulation radios
 - Monitoring receivers
 - Panoramic receivers
 - Portable radios
 - Shortwave radios
- 6564.C79 Crystal sets
- 6564.F7 Frequency modulation radios
- 6564.M64 Monitoring receivers
- 6564.P35 Panoramic receivers
- 6564.P6 Portable radios
- 6564.S5 Shortwave radios

Radio

Apparatus

Radio receiving apparatus

Special, A-Z -- Continued

6564.T7

Transistor radios

Radio transmitter-receivers

Class here works on the electronic engineering of radio
transmitter-receivers and works on their use unless
otherwise provided for in the field of application

For specific makes of smartphones see QA76.8.A+

For walkie-talkies see TK6565.W25

6564.3

General works

6564.4

Special devices, A-Z

6564.4.C45

Cell phones

For specific makes of smartphones see QA76.8.A+

6565.A-Z

Other radio apparatus, A-Z

6565.A55

Amplifiers

6565.A6

Antennas

For special types see TK7871.67.A+

6565.A8

Attenuators

6565.C3

Cathode ray tubes

6565.C6

Coils

6565.C65

Condensers

6565.D4

Detectors

6565.D5

Direction finders

(6565.E6)

Electron tubes

see TK6565.V3

6565.F5

Filters

6565.F7

Frequency changers

Loudspeakers see TK5983

6565.M35

Mains supply

Microphones see TK5986

6565.O7

Oscillators

6565.P3

Panels

6565.R32

Radio and television towers

Receivers see TK6563+

6565.R4

Recording apparatus

6565.R42

Rectifiers

6565.R426

Resistors

6565.R43

Resonators

6565.S9

Switchgear

Television and radio towers see TK6565.R32

6565.T7

Transformers

6565.T73

Transmission lines

6565.V3

Vacuum tubes. Electron tubes

6565.V6

Voltage regulators

Radio

Apparatus

Other radio apparatus, A-Z -- Continued

6565.W25

Walkie-talkies

6565.W3

Waveguides

6570.A-Z

Special applications of radio, A-Z

Aircraft see TL692+

6570.A8

Automobiles

(6570.B7)

Broadcasting

see PN1991+

6570.C5

Citizens band radio

6570.C6

Radio control

6570.I34

Identification. Radio frequency identification systems

Military radio systems see UG610+

(6570.M6)

Mobile communication systems

see TK5103.2+

For systems and standards used in wireless
communications see TK5103.2+

Naval radio systems see VG76+

6570.P5

Pipelines

6570.P6

Police

6570.P8

Public safety radio service

6570.R27

Radio data systems

Radio frequency identification systems see TK6570.I34

6570.R3

Railroads

6570.T76

Tropospheric scatter communication systems

Wireless communication systems see TK5103.2+

Extraterrestrial radio communication

For radio in astronautics see TL3035

6571

General works

6571.5.A-Z

Special celestial bodies, A-Z

6571.5.M6

Moon

Radar

6573

Periodicals, societies, congresses, etc.

6574

Dictionaries and encyclopedias

6574.2

History

6574.4.A-Z

By region or country, A-Z

6575

General works

6576

Popular works. Juvenile works

6578

Tables, calculations, etc.

6580

General special

6582

Computer coordination of multiple radar systems

Apparatus

6585

General works

6587

Transmitting apparatus

Including transmitter-receiver units

Radar

Apparatus -- Continued

- 6588 Receiving apparatus
- 6590.A-Z Other apparatus, A-Z
- 6590.A5 Amplifiers
- 6590.A6 Antennas
- 6590.C3 Cathode ray tubes
- 6590.I5 Indicators
- 6590.M5 Microwave lenses
- 6590.O67 Optical equipment
- 6590.O7 Oscillators
- 6590.R3 Radomes
- 6590.R4 Resonators
- 6590.S4 Servomechanisms
- 6590.T72 Transmit-receive tubes
- 6590.V6 Voltage regulators
- 6590.W3 Waveguides
- 6592.A-Z Special types, A-Z
- 6592.A9 Automatic tracking
- 6592.B57 Bistatic radar
- 6592.C6 Coherent radar
- 6592.C65 Continuous wave radar
- 6592.D6 Doppler
- 6592.G7 Ground penetrating radar
- 6592.L67 Low probability of intercept radar
- 6592.M6 Monopulse
- 6592.M67 Moving target indicator radar
- 6592.O6 Optical radar
- 6592.O94 Over-the-horizon
- 6592.P85 Pulse compression radar
- 6592.S4 Search radar
- 6592.S95 Synthetic aperture radar
- 6595.A-Z Special applications of radar, A-Z
 - To be classified here unless provided for elsewhere
 - Aeronautics see TL692+
 - Geodesy
 - Military science see UG610+
 - Naval science see VG76+
 - Navigation see VK560+
 - Oceanographic research ships see VM453
 - Radar on ships see VM480+
- 6600 Phototelegraphy. Picture telegraphy
 - Including radio photographs
 - Cf. TK6710+ Facsimile transmissions

Television

- Cf. GV1469.3+ Video games
- Cf. PN1992+ Television broadcasts
- 6630.A1 Periodicals, societies, etc.
- 6630.A2-Z General works
- 6634 Dictionaries and encyclopedias
- Biography
 - 6635.A1 Collective
 - 6635.A2-Z Individual, A-Z
 - 6637 History
 - 6638.A-Z By region or country, A-Z
 - 6640 Popular works. Juvenile works
 - Cf. TK9960+ Television for amateurs
 - 6641 Laboratory manuals
 - 6642 Handbooks, manuals, etc.
 - 6643 General special
 - 6644 Television as a profession
 - 6645 Directories of television stations
 - 6646 Television stations
 - Cf. TH4656 Construction of television station structures
 - Television relay systems
 - 6648 General works
 - 6649.A-Z Special systems and projects, A-Z
- Apparatus
 - Cf. TK5105.8887 WebTV (Trademark)
 - 6650 General works
 - 6651 Transmitting apparatus
 - 6653 Receiving apparatus
 - 6655.A-Z Other, A-Z
 - 6655.A5 Amplifiers
 - 6655.A6 Antennas
 - 6655.C3 Camera tubes
 - Cathode ray tubes see TK6655.P5
 - 6655.C5 Channel selectors
 - 6655.D43 Deflection systems
 - Electronic cameras see TR882+
 - 6655.O7 Oscillators
 - 6655.P5 Picture tubes
 - 6655.T7 Transformers
 - 6655.T8 Tuners
 - 6655.U6 Ultrahigh frequency apparatus (General)
 - 6655.V5 Video tape recorders
 - Cf. TR845+ Cinematography. Motion pictures. Video recording
 - Cf. TR882.3 Camcorders
- 6670 Color television

Television -- Continued

- 6675 Community antenna television
- 6676 Master antenna television
- 6677 Direct broadcast satellite television
- 6678 Digital television
- Mobile television
- 6678.3 General works
- 6678.5.A-Z Special systems, standards, formats, A-Z
- 6678.5.D84 DVB-H
- 6679 High definition television
- 6679.3 Interactive television
- 6679.5 Underwater television
- 6679.7 Teletext systems
- 6680 Closed-circuit television
- 6680.3 Video surveillance
- Video telephones see TK6505

Digital video

- Class here general works on using microcomputer technology to digitize moving images for inclusion in computer programs, including equipment and standards
- For works on using digital video technology in cinematography see TR860
- 6680.5 General works
- 6680.8.A-Z Special systems, standards, software, A-Z
- 6680.8.A66 Apple TV
- 6680.8.M93 MyDVD
- 6680.8.R67 Roxio Easy media creator
- Multimedia computer systems see QA76.575
- 6681 Video game equipment
 - Cf. GV1469.3+ Video games
 - Cf. TK9971 Amateur constructors' manuals
- (6683) Underwater television
 - see TK6679.5
- 6685 Video discs and video disc equipment
- 6687 Interactive video
 - Cf. LB1028.75 Education
- Facsimile transmission
- 6710 General works
- 6720 Ultrafax
- Installation of household appliances
 - For electric space heating see TH7409+
- 7018 Treatises
 - Cf. TK9900+ Amateur constructors' manuals
- 7019 Popular works
- 7028 Catalogs

TK

ELECTRICAL ENGINEERING. ELECTRONICS.
NUCLEAR ENGINEERING

TK

Installation of household appliances -- Continued

Electric bells and buzzers

For buzzer systems in telegraphy see TK5522

7108

General works

7109

Popular works

7118

Catalogs of electric bells

Electric annunciators and alarms

Cf. TH9739 Security in buildings

7201

General works

7221

Annunciators

Alarms

7241

General works

(7251)

Burglar alarms

see TH9739

(7271)

Fire alarms

see TH9271

(7291)

Electric ignition of gas

see TH6885

(7301)

Electric clocks

see TS544

Miscellaneous electrical industries

(7611)

Electric train signaling

see TF615+

Train telegraph systems see TK5569.T7

7725

Manufacture of electrodes, carbons, etc.

For use of carbons for arc lamps see TK4335

Electronics

Cf. TK6540+ Radio

Cf. TK6573+ Radar

Cf. TK6630+ Television

7800

Periodicals, societies, yearbooks, etc.

7801

Congresses. Conventions

Exhibitions

7802.A1

General works

7802.A2-Z

By region or country, A-Z

Subarrange each country by Table T4b

7803

Collected works (nonserial)

7804

Dictionaries and encyclopedias

7805

Directories

Biography

7806

Collective

7807.A-Z

Individual, A-Z

7809

History

By region or country

7811

United States

7812.A-Z

Other regions or countries, A-Z

Electronics -- Continued

- 7815 Treatises
- 7816 Elementary textbooks
- 7817 Outlines, syllabi, etc.
- 7818 Laboratory manuals
- 7819 Popular works
- 7820 Juvenile works
- 7825 Handbooks, pocketbooks, tables, etc.
- 7828 Addresses, essays, lectures
- 7835 General special
- 7836 Electronic plants and equipment. Manufacture of electronic components and apparatus
- 7845 Electronics as a profession
- Patents
- 7850.A1 Periodicals, societies, etc.
- 7850.A2-Z General works
- 7855 Research
- Study and teaching
- 7860 General works
- 7862 Problems, exercises, etc.
- 7863 Examinations, questions, etc.
- 7864 Mathematics
- 7866 Drawing. Diagrams, etc.
- Electronic circuits (General)
 - For circuitry of special apparatus and components, see TK7871.2+ TK7871.2, Circuitry of amplifiers
- 7867 General works
- 7867.2 Electromagnetic interference and compatibility
- 7867.5 Noise
- 7867.8 Shielding
- 7868.A-Z Special circuits (General)
 - 7868.A79 Asynchronous
 - 7868.B7 Bridge
 - 7868.D5 Digital
 - Integrated circuits see TK7874+
 - 7868.I58 Interface circuits
 - 7868.L6 Logic circuits
 - Microwave circuits see TK7876+
 - 7868.M64 Molded interconnect devices
 - 7868.P6 Power supply
 - 7868.P7 Printed circuits
 - 7868.P8 Pulse
 - 7868.S88 Switched capacitor circuits
 - 7868.S9 Switching
 - 7868.T5 Timing
 - 7868.T7 Trigger

Electronics -- Continued

Apparatus and materials

- 7869 Periodicals, societies, etc.
- 7870 General works
- Electronic packaging
 - 7870.15 General works
 - 7870.16 Ball grid array technology
 - 7870.17 Chip scale packaging
- 7870.2 Maintenance and repair. Electronic troubleshooting
- 7870.23 Reliability. Failures
 - Cf. TK7871.852 Semiconductor failures
- Environmental engineering. Operating environment
 - 7870.24 General works
 - 7870.25 Cooling. Thermal properties
 - 7870.27 Contamination and decontamination
 - 7870.28 Corrosion
 - 7870.285 Effect of radiation on
- 7870.3 Catalogs
- Materials (General)
 - 7871 General works
 - 7871.15.A-Z Special, A-Z
 - 7871.15.B47 Berlinite crystals
 - 7871.15.C33 Cadmium alloys
 - 7871.15.C35 Carbon
 - 7871.15.C4 Ceramic materials
 - 7871.15.D53 Diamonds
 - 7871.15.F4 Ferrites
 - 7871.15.F5 Films
 - 7871.15.G3 Gallium arsenide
 - 7871.15.G33 Gallium nitride
 - 7871.15.G5 Glass
 - 7871.15.I52 Indium arsenide
 - 7871.15.I53 Indium phosphide
 - 7871.15.M3 Magnetic materials
 - 7871.15.M48 Metamaterials
 - 7871.15.N53 Nickel alloys
 - 7871.15.N57 Nitrides
 - 7871.15.O7 Organometallic compounds
 - 7871.15.P4 Phosphors
 - 7871.15.P5 Plastic materials
 - 7871.15.P6 Polymers
 - 7871.15.P65 Potting compounds
 - 7871.15.Q3 Quartz
 - 7871.15.S54 Silicides
 - 7871.15.S55 Silicon
 - 7871.15.S558 Silicon nitride

Electronics

Apparatus and materials

Materials (General)

Special, A-Z -- Continued

7871.15.S56 Silicon organic compounds
 7871.15.T56 Titanium
 7871.15.T85 Tungsten

Amplifiers

7871.2 General works
 Including vacuum-tube and transistor amplifiers

7871.22 Dielectric

7871.23 Magnetic
 Cf. TK2851 Electric controllers

7871.24 Parametric

Rotating see TK2699

(7871.3-.37) Lasers

see TA1671+

(7871.33) Chemical lasers
 see TA1690

(7871.35) Gas lasers
 see TA1695

(7871.37) Solid-state lasers
 see TA1705

7871.4 Masers

Cf. TA1671+ Lasers

7871.58.A-Z Other, A-Z

7871.58.A9 Audio

7871.58.B74 Broadband

7871.58.C75 Crossed-field

7871.58.D46 Differential

7871.58.D5 Direct current

7871.58.D54 Distributed

7871.58.F4 Feedback

7871.58.L57 Lock-in

7871.58.L6 Logarithmic

7871.58.O6 Operational

7871.58.P6 Power

7871.58.P8 Pulse

7871.58.T8 Tuned

7871.58.V5 Video amplifiers

Antennas and waveguides

7871.6 Antennas

Cf. TK6565.A6 Radio

Cf. TK6590.A6 Radar

Cf. TK6655.A6 Television

7871.65 Waveguides

Electronics

Apparatus and materials

Antennas and waveguides -- Continued

- 7871.67.A-Z Special, A-Z
- 7871.67.A33 Adaptive antennas
- 7871.67.A77 Arrays
- 7871.67.C95 Cylindrical antennas
- 7871.67.D56 Dipole antennas
- 7871.67.L45 Lens antennas
- 7871.67.M5 Microstrip antennas
- 7871.67.M53 Microwave antennas
- 7871.67.M66 Monopole antennas
- 7871.67.U45 Ultra-wideband antennas

Electroluminescent devices

- 7871.68 General works
- Light-emitting diodes see TK7871.89.L53
- Electroluminescent display systems see TK7882.I6

Electron tubes

- 7871.7 General works
- Vacuum tubes
- 7871.72 General works
- 7871.73 Cathode ray tubes
- 7871.74 Klystrons
- 7871.75 Magnetrons
- 7871.76 Storage tubes
- 7871.77 Traveling-wave tubes
- 7871.79.A-Z Other, A-Z
- 7871.79.G95 Gyrotrons
- 7871.79.K4 Kenotrons
- 7871.79.P4 Pentodes
- 7871.79.T7 Trochotrons
- 7871.79.X2 X-ray tubes

Gas tubes

- 7871.8 General works
- 7871.82 Mercury-arc rectifiers
- 7871.83 Thyratrons
- 7871.84.A-Z Other, A-Z
- 7871.84.C6 Cold cathode tubes
- 7871.84.N4 Neon tubes

Semiconductors

- Class here works on semiconductor materials used in electronic engineering
- For general works on the physical properties of semiconductor materials see QC610.9+
- For specific semiconductor materials used in electronic engineering see TK7871.15.A+

Electronics

Apparatus and materials

Semiconductors -- Continued

7871.85

General works

7871.852

Failures (General)

For specific semiconductors see TK7871.86+

Diodes

7871.86

General works

7871.87

Tunnel diodes

7871.88

Varactors

7871.89.A-Z

Other, A-Z

7871.89.A94

Avalanche diodes

7871.89.G84

Gunn diodes

7871.89.L53

Light-emitting diodes

7871.89.S35

Schottky-barrier diodes

7871.89.S95

Switching diodes

7871.89.Z46

Zener diodes

Electroluminescent devices see TK7871.68+

Integrated circuits see TK7874+

Transistors

7871.9

General works

7871.92

Junction

7871.95

Field effect

7871.96.A-Z

Other, A-Z

7871.96.B55

Bipolar

7871.96.M53

Microwave

7871.96.T45

Thin film

7871.98

Thermistors

7871.99.A-Z

Other, A-Z

7871.99.A45

Amorphous semiconductors

Cf. QC611.8.A5 Physics

7871.99.C45

Charge transfer devices. Charge coupled devices

7871.99.C65

Compound semiconductors

7871.99.M4

Metal insulator semiconductors

7871.99.M44

Metal oxide semiconductors

7871.99.T5

Thyristors

7871.99.V3

Varistors

Optoelectronic devices see TK8300+

7872.A-Z

Other, A-Z

Apparatus and components to be classed here unless
otherwise provided for in the field of application

Capacitors see TK7872.C65

Charge transfer devices see TK7871.99.C45

7872.C56

Coils

7872.C65

Condensers. Capacitors

7872.C67

Contactors

Electronics

Apparatus and materials

Other, A-Z -- Continued

7872.C68 Contacts
7872.C7 Counters
7872.C77 Cryoelectronic devices
7872.C8 Current converters
7872.C83 Current regulators
7872.D37 Decoders
7872.D4 Delay lines
7872.D48 Detectors. Sensors. Sensor networks
7872.D53 Dielectric devices
7872.E45 Electron gun
7872.E7 Equalizers
7872.F4 Ferrite devices
7872.F44 Ferroelectric devices
7872.F5 Filters (Electric)
7872.F7 Frequency changers
7872.F73 Frequency synthesizers
 Frequency-voltage converters see TK7872.V54
7872.F85 Function generators
 Cf. TK7895.F8 Function generators (Computers)
7872.G8 Gunn effect devices
7872.G9 Gyrators
7872.H3 Hall effect devices
7872.H4 Heat sinks
7872.I63 Inductors
7872.I65 Inverters
7872.L56 Liquid crystal displays
7872.L64 Logic devices
7872.M25 Magnetic cores and devices
7872.M3 Masks
 Including microlithography
7872.M46 Membrane switches
7872.M5 Mixers
7872.M6 Modulators
7872.M8 Multiplexers
7872.N4 Negative-resistance devices
7872.N6 Noise generators
7872.O7 Oscillators
7872.P38 Phase-locked loops
7872.P39 Phase shifters
7872.P54 Piezoelectric devices
7872.P6 Potentiometer
7872.P8 Pulse generators
7872.R35 Rectifiers

Electronics

Apparatus and materials

Other, A-Z -- Continued

7872.R38

Relays

7872.R4

Resistors

Sensor networks see TK7872.D48

Sensors see TK7872.D48

7872.S5

Signal generators

7872.S8

Superconductors

7872.T55

Thin film devices

7872.T6

Transducers

7872.T7

Transformers

7872.T74

Transmission lines

7872.V53

Voltage dividers

7872.V54

Voltage-frequency converters

7872.V55

Voltage regulators

Microelectronics. Integrated circuits

For processes involving masks or microlithography see
TK7872.M3

7874

General works

7874.5

Catalogs of microelectronic equipment

7874.53

Interconnects

7874.54

Lumped elements

7874.55

Integrated circuit layout

7874.58

Testing. Measurement. Quality control

7874.6

Application-specific integrated circuits

7874.65

Digital integrated circuits

7874.654

Linear integrated circuits

7874.66

Low voltage integrated circuits

7874.7

Very high speed integrated circuits

7874.75

Very large scale integrated circuits

7874.76

Ultra large scale integrated circuits

7874.78

Radio frequency integrated circuits

7874.8

Molecular electronics

7874.84

Nanoelectronics

7874.85

Nanowires

7874.88

Quantum dots

7874.887

Spintronics

7874.9

Vacuum microelectronics

7875

Microelectromechanical systems

For devices applied to a specific field, see the field

Microwaves

Including microwave circuits

7876

General works

Amplifiers see TK7871.2+

Heating see TK4601+

Electronics

Microwaves -- Continued

Transistors see TK7871.96.M53

Tubes see TK7871.7+

Waveguides see TK7871.65

7876.5

Millimeter waves

7877

Submillimeter waves

Electronic measurements

7878

General works

7878.2

Time measurements

Electronic instruments

Cf. TK301+ Electric meters

7878.4

General works

Auxiliary equipment

7878.5

General works

7878.6

Probes

7878.7

Cathode ray oscillographs. Oscilloscopes

Voltmeters

7879

General works

7879.2

Vacuum tube voltmeters

7879.4

Frequency meters

Applications of electronics

7880

General works

7881

Industrial electronics

7881.15

Power electronics

Special power supply circuits see TK7868.P6

Special applications

7881.2

Electronic control

7881.25

Home automation

For home computer networks see TK5105.75

7881.3

Home entertainment systems

Cf. TK9961 Home video systems amateurs' manuals

Sound systems. Sound recording. Sound reproduction

For electroacoustics see TK5981+

7881.4

General works

7881.5

Intercommunication systems

Magnetic tape recorders and recording

7881.6

General works

Cf. TK5981+ Electroacoustics

7881.65

Digital audiotape recorders and recording

7881.7

High fidelity systems

7881.75

Compact disc players

7881.78

Minidisks and players

Stereo high fidelity systems. Quadraphonic sound
systems

7881.8

General works

Electronics

Applications of electronics

Special applications

Sound systems. Sound recording. Sound reproduction

Stereo high fidelity systems. Quadraphonic sound
systems -- Continued

7881.83 Surround-sound systems

7881.85 Automobile sound systems and equipment

7881.9 Theaters, auditoriums, etc.

7882.A-Z Other, A-Z

Class works here unless otherwise provided for in the field of
application

7882.A37 Agriculture

7882.B56 Biometric identification

7882.C56 Compact discs

7882.D93 DVDs. DVD players

7882.E2 Eavesdropping. Electronic surveillance

For video surveillance see TK6680.3

7882.E44 Electronic paper

Facsimile transmission see TK6710+

7882.G35 Games

7882.I6 Information display systems

7882.M4 Metal detectors

Mobile communication systems see TK6570.M6

7882.P3 Pattern recognition systems

Cf. TA1650 Optical pattern recognition

7882.P7 Proximity detectors

7882.S3 Scanning systems

7882.S65 Speech processing systems

7882.S78 Stun guns

Telecommunication see TK5101+

7882.W44 Weighing systems

Computer engineering. Computer hardware

Including design and construction

Cf. QA75.5+ Computers (General), electronic data
processing, computer software, etc.

Cf. QA267+ Machinery theory

Cf. T58.6+ Industrial information systems

Cf. TJ212+ Control engineering

7885.A1 Periodicals, societies, congresses, etc.

7885.A2 Dictionaries and encyclopedias

7885.A4 Directories

7885.A5 History

7885.A6-Z General works

Biography

7885.2 Collective

Electronics

Applications of electronics

Computer engineering. Computer hardware

Biography -- Continued

7885.22.A-Z

Individual, A-Z

7885.4

Popular works

Amateurs' manuals for construction see TK9969

7885.5

Juvenile works

Computer engineering as a profession

7885.53

General

7885.54

Computer technicians

7885.6

Study and teaching

7885.7

Hardware description languages

7886

Computer manufacturing plants. Manufacturing of
computers and computer components

Including management

7887

Maintenance and repair

Including upgrading

Input-output equipment

7887.5

General works

Special

7887.55

Data tape drives

7887.6

Analog-to-digital converters. Digital-to-analog
converters

7887.7

Printout equipment. Computer printers

7887.8.A-Z

Other equipment, A-Z

7887.8.C6

Computer output microfilm devices

7887.8.D37

Data disk drives

7887.8.D5

Digital plotters

Disk drives, Data see TK7887.8.D37

7887.8.M63

Modems

7887.8.R4

Reading machines

7887.8.T4

Terminals

7887.8.X18

XY plotters

7888

Analog computers

Digital computers

7888.3

General works

7888.4

Circuits

Including logic and switching circuits

7889.A-Z

Special computers. By name, A-Z

7889.A37

AIM 65

7889.A66

Apple II

7889.A663

Apple IIe

7889.A85

AT&T

7889.B3

BBC microcomputer

7889.B4

Besm

Electronics

Applications of electronics

Computer engineering. Computer hardware

Special computers. By name, A-Z -- Continued

| | |
|----------|---|
| 7889.C2 | CDC 6600 |
| 7889.E5 | ES 1020 |
| 7889.F44 | FELIX C-256 |
| 7889.I26 | IBM Personal Computer |
| 7889.I5 | Illiac |
| 7889.M33 | Macintosh |
| 7889.M55 | Minsk |
| 7889.R4 | REAC |
| 7889.S4 | Seac |
| 7889.S7 | Strela |
| 7889.S8 | Swac |
| 7889.T77 | TRS-80 |
| 7889.U6 | Univac |
| 7889.U7 | Ural |
| 7889.W47 | Whirlwind |
| 7889.Z54 | Zilog Model Z-80 |
| 7895.A-Z | Special components and auxiliary equipment, A-Z |
| 7895.A5 | Amplifiers |
| 7895.A65 | Arithmetic units |
| 7895.A8 | Automatic test equipment |
| 7895.B33 | Backplanes. Motherboards |
| 7895.B87 | Buses |
| 7895.C3 | Cathode ray tube memory systems |
| 7895.C39 | CD-ROMs. CD-ROM drives |
| 7895.C7 | Cryotrons |
| 7895.D3 | Data tapes |
| 7895.E42 | Embedded computer systems |
| 7895.E43 | Embedded Internet devices |
| 7895.E96 | Expansion boards |
| 7895.F8 | Function generators |
| | Cf. TK7872.F85 Function generators (Electronic instruments) |
| 7895.G36 | Gate array circuits |
| | Input-output equipment see TK7887.5+ |
| 7895.M3 | Magnetic memory |
| | Memory cards see TK7895.S62 |
| 7895.M4 | Memory systems |
| 7895.M5 | Microprocessors |
| | Cf. TJ223.M53 Automatic control |
| | Motherboards see TK7895.B33 |
| 7895.O6 | Optical equipment |
| 7895.P3 | Parametrons |

Electronics

Applications of electronics

Computer engineering. Computer hardware

Special components and auxiliary equipment, A-Z --

Continued

7895.P38

PCMCIA cards

7895.P68

Power supply

7895.S54

Shift registers

7895.S62

Smart cards. Memory cards

7895.S65

Speech recognition systems

7895.T73

Transputers

Optoelectronic devices. Photoelectronic devices

Including circuits manuals

For special applications, see the field of application, e.g.

TR260.5 Electric eye cameras

For general works on optoelectronics see TA1750+

8300

Periodicals, societies, congresses, etc.

8304

General works

Photoemissive tubes. Phototubes

8308

General works

8312

Photodiodes

8314

Photomultipliers

Imaging systems

8315

General works

8316

Image converters and intensifiers

Cf. TK8334 Solid-state image intensifiers

Semiconductor devices

8320

General works

8322

Photovoltaic cells

For solar batteries see TK2960

Photoconductive cells

8330

General works

8331

Photoresistors

8332

Phototransistors

8334

Solid-state image intensifiers

8360.A-Z

Other devices, A-Z

8360.L5

Light modulators

8360.M53

Microresonators

8360.O67

Optical detectors

8360.O68

Optical MEMS. Micro-optomechanical systems

8360.O69

Optical tweezers

8360.P5

Photopotentiometer

(8404)

Optical data processing systems

see TA1630+

Nuclear engineering. Atomic power

9001

Periodicals, societies, etc.

- Nuclear engineering. Atomic power -- Continued
- 9006 Congresses
 - Exhibitions. Museums
 - 9007.A1 General works
 - 9007.A2-Z By region or country, A-Z
 - Subarrange each country by Table T4b
 - 9008 Collected works (nonserial)
 - 9009 Dictionaries and encyclopedias
 - 9012 Directories
 - Biography
 - 9013 Collective
 - 9014.A-Z Individual, A-Z
 - 9021-9127 Country divisions (Table T1a)
 - Add country number in table to TK9000
 - 9145 General works
 - 9146 Elements. Popular works
 - 9148 Juvenile works
 - 9149 Laboratory manuals
 - 9151 Handbooks, tables, etc.
 - Radiation environment procedures and equipment
 - Cf. RA569 Radioactive substances and ionizing radiation in public health
 - Cf. TK9210+ Shielding
 - 9151.4 General works
 - Remote handling
 - 9151.6 General works
 - 9151.7 Manipulators
 - Accidents and their prevention. Nuclear safety
 - For accidents or safety of nuclear power plants in specific places see TK1341+
 - 9152 General works
 - 9152.13 Emergency planning
 - 9152.14 Human factors
 - 9152.15 Inspection
 - 9152.16 Risk assessment
 - 9152.163 Earthquake engineering
 - 9152.1645 Security measures
 - 9152.165 Storage
 - Including temporary storage of discarded materials
 - For permanent disposal see TD898.17+
 - 9152.17 Transportation of radioactive substances
 - Cf. TD897.85+ Radioactive waste disposal

Nuclear engineering. Atomic power
Radiation environment procedures and equipment --
Continued

- 9152.2 Decontamination. Decommissioning of facilities
Cf. RA569 Public health
Cf. S589.6 Agriculture
Cf. TD427.R3 Water pollution
Cf. TD887.R3 Air pollution
Cf. TD898.15+ Radioactive waste sites
- 9152.5 Patents
- 9153 General special
- 9155 Addresses, essays, lectures
- 9155.5 Nuclear engineering as a profession
Study and teaching
- 9165 General works
- 9165.5 Examinations, questions, etc.
United States
General works
- 9166 General works
- 9167.A-Z Special schools. By place, A-Z
- 9168.A-Z Other countries, A-Z
- 9169.A-Z Special schools. By place, A-Z
- Instruments. Nuclear reactor instrumentation
- 9178 General works
- 9180 Nuclear counters
Cf. QC787.C6 Counters
- 9182 Neutron sources
- 9183.A-Z Other special instrumentation, A-Z
- 9183.S24 Safety instrumentation
- 9183.T54 Thermometers
- Materials
For reactor fuels, enrichment, reprocessing see TK9360+
For radioisotopes, radioactive substances see TK9400+
- 9185.A1 Periodicals, societies, etc.
- 9185.A2-Z General works
- 9185.2.A-Z Special, A-Z
- 9185.2.G73 Graphite
- 9185.2.H33 Hafnium
- 9185.2.M66 Molybdenum
- Nuclear reactors
For nuclear power plants for electricity see TK1341+
- Fission reactors
- 9202 General works
- 9203.A-Z Special types, A-Z
- 9203.B6 Boiling water reactors
- 9203.B7 Breeder reactors
- 9203.F3 Fast reactors

Nuclear engineering. Atomic power

Nuclear reactors

Fission reactors

Special types, A-Z -- Continued

- 9203.F5 Fluid fuel reactors
- 9203.G3 Gas cooled reactors
- 9203.H4 Heavy water reactors
- 9203.L45 Light water reactors
- 9203.L5 Liquid metal-cooled reactors
- 9203.M65 Molten salt reactors
- 9203.O7 Organic moderated reactors
- 9203.P7 Pressurized water reactors
- 9203.P8 Pulsed reactors
- 9203.S6 Sodium graphite reactors
- 9203.S65 Solid fuel reactors
- 9203.S86 Superheating reactors
- 9203.W37 Water-cooled reactors
- 9204 Fusion reactors
- 9207 Fuel elements
- 9207.5 Fuel claddings
- 9209 Moderators
- Shielding
 - 9210 General works
 - 9211 Containment
 - 9211.5 Nuclear pressure vessels
 - 9212 Cooling
 - 9220 Control rooms for nuclear facilities
 - 9230 Nuclear reactors for propulsion
 - Cf. TJ623 Nuclear locomotives
 - Cf. TL704.1 Atomic engines for aircraft
 - Cf. TL783.5 Nuclear rockets
 - Cf. VM774+ Marine nuclear reactor plants
- 9340 Particle accelerators
- 9350 Chemical processes. Radiochemistry
- Reactor fuels. Enrichment. Reprocessing
 - 9360 General works
 - 9363 Uranium as fuel
 - 9365 Plutonium as fuel
- Radioisotopes. Radioactive substances
 - 9400 General works
 - 9401 Catalogs, pricelists, etc.
- Electricity for amateurs. Amateur constructors' manuals
 - 9900 Periodicals, societies, etc.
 - 9901 General works
 - 9909 Magnetoelectric machines
 - 9911 Generators and motors

TK

ELECTRICAL ENGINEERING. ELECTRONICS.
NUCLEAR ENGINEERING

TK

Electricity for amateurs. Amateur constructors' manuals --
Continued

- 9915 Transformers
- 9917 Electric batteries
- 9918 Solar batteries. Solar cells
- 9921 Electric lighting and lamps
 - Cf. TT197.5.L34 Woodwork
 - Cf. TT897.2 Decorative crafts
- Electric bells see TK7108+
- Telegraph
 - 9941 General works
 - 9946 Wireless telegraph
 - 9951 Telephone
- Radio. Wireless telephone
 - 9956 General works
 - 9957 Microwave communication systems
 - Cf. TK5103.2+ wireless communication systems
- Television
 - 9960 General works
 - 9961 Video tape recorders. Video recording. Home video systems
 - Cf. TR896+ Home video photography
 - 9962 Satellite television. Home earth stations
- Electronics (General)
 - 9965 General works
 - 9966 Integrated circuits
 - 9967 Magnetic recorders and recording
 - 9968 Sound systems
 - Including high fidelity and stereophonic systems
 - 9969 Computers
 - Home computer networks, including amateurs' manuals see TK5105.75
- 9971 Electronic games and toys
 - Including video games

Motor vehicles. Aeronautics. Astronautics

Motor vehicles

Including automotive engineering

Cf. GV1020+ Automobile travel

Periodicals and societies

Arrange by language of publication

- 1 English
- 2 French
- 3 German
- 4 Other languages (not A-Z)
- (5) Yearbooks

see TL1+

6

Congresses

Exhibitions. Museums. Collectors and collecting

Cf. TL152.2 Restoration of automobiles

7.A1

General works

7.A2-Z

By region or country, A-Z

Subarrange each country by Table T4b

8

Collected works (nonserial)

9

Dictionaries. Encyclopedias

Communication of automotive information

10

General works

11

Computer network resources

Including the Internet

12

Directories

15

History. Pictorial works

21-127

Special countries (Table T1a)

Add country number in table to TL0

Including registers

Biography

139

Collective

140.A-Z

Individual, A-Z

General works

Cf. TL200+ Automobiles

144

Early to 1890

145

1890-

146

Elementary textbooks

146.5

Popular works

147

Juvenile works

151

Manuals, pocketbooks, etc.

Motor vehicle operation. Automobile operation

Cost of operation

151.5

General works

151.6

Fuel consumption

Maintenance and repair

152

General works

152.15

Cleaning. Detailing

- Motor vehicles
- Motor vehicle operation. Automobile operation
- Maintenance and repair -- Continued
- 152.2 Restoration
- 152.25 Safety measures
- Drivers
 - Including health and psychology
 - Cf. HD8039.A76+ Automobile driving as an occupation
 - Cf. HE5613.5+ Traffic accidents, safety, etc.
- 152.3 General works
- 152.35 Medical and psychological examination
- 152.4 Drivers' tests
- Driving
 - 152.5 General works
 - Special countries
 - 152.52 United States
 - 152.55.A-Z Other countries, A-Z
 - 152.58 Stunt driving
- Driver education
 - 152.6 General works
 - 152.65 Elementary and secondary school courses
 - 152.66.A-Z By region or country, A-Z
 - 152.7.A-Z Special methods and equipment, A-Z
 - 152.7.D7 Driving simulators
- 152.8 Automatic control
 - Cf. TE228.3+ Intelligent transportation systems
- 153 Service stations
- 153.5 Lubrication and lubricants
- 153.7 Towing
- 154 General special
- 155 Addresses, essays, lectures
- 156 Study and teaching. Automobile schools
- 157 Examinations, questions, etc.
- 158 Research
- Automobile equipment and supplies
 - Including parts catalogs
 - Cf. TL240+ Design, construction and equipment
- 159 General works
- 159.5 Safety appliances. Air bags. Child seats. Seat belts
 - Cf. HE5620.S34 Seat belt use
 - Cf. TL242 Safety factors. Safety standards
- 160 Catalogs of dealers
 - For special motive powers see TL200+
- 162 Automobile purchasing. Buyers' guides
- 165 Motor vehicle fleets

Motor vehicles -- Continued

- 175 Parking facilities
 Including parking lots and parking garages
 Cf. HE336.P37 Parking
- 200 Special automobiles. By power
 Steam automobiles
 Steam wagons, trucks, etc. see TJ705
 Gasoline automobiles
 Where possible use TL144+
- 205 General works
- 206 Popular works. Juvenile works
- 207 Manuals, pocketbooks, etc.
- (208) Maintenance and repair
 see TL152+
- 209 General special
 Construction details
 Motors. Engines
 Cf. TJ782+ Internal combustion engines
- 210 General works
- 210.5 Two-stroke cycle engines
- 210.7 Wankel engines
- 212 Carburetors and carburetion
- 213 Ignition devices. Magnetos
- 214.A-Z Other, A-Z
- 214.A4 Air filters
- 214.B43 Bearings
- 214.C35 Camshafts
- 214.C64 Control systems
- Cooling system see TL214.R3
- 214.C73 Crankshafts
- 214.C93 Cylinders. Cylinder heads. Cylinder blocks
- 214.E93 Exhaust systems
- 214.F78 Fuel injection systems
- 214.F8 Fuel systems
- Low pollution combustion see TL214.P6
- 214.O5 Oil system
- 214.P57 Pistons
- 214.P6 Pollution control devices. Low pollution combustion
 Cf. TD886.5 Automobile exhaust pollution
- 214.R3 Radiators. Cooling system
- 214.S8 Superchargers
- 214.T55 Timing belts. Timing chains
 Timing chains see TL214.T55
- 214.T87 Turbochargers
- 214.V3 Valves
- 215.A-Z Special makes, A-Z
 Including catalogs, handbooks, etc.

Motor vehicles

Special automobiles. By power -- Continued

- 216.5 Alternative fuel vehicles
 217 Alcohol automobiles
 Electric vehicles and their batteries, etc.
 220 General works
 221.13 Fuel cells for vehicles
 221.15 Hybrid vehicles. Hybrid cars
 222 Solar vehicles. Solar cars
 223 Industrial vehicles and trucks
 225 Compressed-air automobiles
 Gas turbine automobiles
 226 General works
 227 Automotive gas turbines
 228 Natural gas vehicles
 For gas producer automobiles see TL229.G3
 229.A-Z Other, A-Z
 229.A25 Acetylene
 Alcohol see TL217
 (229.A5) Amphibious
 see TL235.63
 (229.C66) Compressed natural gas
 see TL228
 229.D5 Diesel
 229.G3 Gas producer
 (229.G33) Gases, Compressed
 see TL228
 229.H9 Hydrogen
 229.L56 Liquid nitrogen
 229.M48 Methyl ether
 (229.N38) Natural gas
 see TL228
 Nitrogen, Liquid see TL229.L56
 Automobiles for freight, etc. Trucks
 Including vans and sport utility vehicles
 For steam wagons, trucks, etc. see TJ705
 For truck-mounted campers and coaches see TL298
 Cf. TL297.6 Truck trailers
 230.A1 Periodicals, societies, etc.
 230.A2-Z General works
 230.12 Pictorial works
 230.15 Juvenile works
 230.2 Maintenance and repair

Motor vehicles

Automobiles for freight, etc. Trucks -- Continued

230.3

Truck drivers, driver training and driving

Cf. HD7269.A+ Industrial hygiene and welfare of truck drivers

Cf. HD8039.A76+ Automobile driving as an occupation

Cf. HE5601+ Regulations and special problems

230.5.A-Z

Special types, makes, etc., A-Z

e.g.

230.5.F6

Four Wheel Drive Vehicle

Buses

Cf. HE5601+ Automotive transportation (economic aspects)

232

General works

232.2

Maintenance and repair

232.3

Bus drivers, driver training, and driving

232.5

Taxicabs

232.7

Limousines

Tractors

Cf. S711+ Transportation and power transmission machinery (Use on farms)

Cf. TJ700 Steam traction engines

233.A1

Periodicals, societies, etc.

233.A2-Z

General works

233.15

Juvenile works

233.2

Maintenance and repair

233.25

Conservation and restoration. Collectors and collecting

233.3

Tractor driving

233.6

Special types, makes, etc., A-Z

233.8

Models

Tracklaying vehicles

For military tanks see UG446.5

234

General works

234.2

Snowmobiles

Cf. GV856.4+ Snowmobiling

235

Automobile trains

Off-road vehicles

Including off-road trucks and all terrain vehicles

For snowmobiles see TL234.2

For dune buggies see TL236.7

For trail bikes see TL441

235.6

General works

235.63

Amphibious vehicles

235.65.A-Z

Special makes, A-Z

235.7

Off-road vehicle driving

Including all terrain vehicle driving

- Motor vehicles -- Continued
- 235.8 Ambulances, hearses, etc.
Cf. RA995+ Ambulance service
- 236 Racing automobiles. Sports cars
Dragsters
- 236.2 General works
- 236.23 Funny cars
- 236.27 Sprint cars
- 236.28 Stock cars
- 236.3 Hot rods. Street rods
- 236.4 Rally cars
- 236.5 Karts
- 236.6 Midget cars
- 236.7 Dune buggies
Cf. GV1029.9.D8 Racing
- Models
Cf. GV1570 Model car racing
- 237 General works
- 237.2 Collectors and collecting
Design, construction and equipment
Cf. TL210+ Motors
- 240 General works
- 240.2 Amateurs' manuals. Kit cars
- 240.5.A-Z Special materials, A-Z
For materials of a special component, see the component
- 240.5.A46 Alloys
- 240.5.A48 Aluminum
- 240.5.C65 Composite materials
- 240.5.G56 Glass
- 240.5.M33 Magnesium
- 240.5.P42 Plastics
- 240.5.W64 Wood
- 241 Fires and fire prevention
- 242 Safety factors. Safety standards. Crashworthiness
Dynamics
Including effect of soil mechanics
For traction see TL295
- 243 General works
- 245 Aerodynamics
- 245.5 Handling characteristics
- 245.8 Stability
- 246 Vibration. Noise
- 250 Human engineering in design
Including trucks, buses, etc.
- 253 Automotive drafting
Special topics
Motors see TL210+

Motor vehicles

Design, construction and equipment

Special topics, not A-Z -- Continued

Frame. Chassis. Carriage body

- 255 General works
- 255.2 Customizing. Decorating. Painting
- 255.6 Seats
- 256 Upholstery
- 256.5 Windows and windshields

Springs and suspension

- 257 General works
- 257.3 Air suspensions
- 257.5 Shock absorbers

Steering gear

Running gear. Power trains

- 260 General works
- 261 Clutches
- Transmission devices
- 262 General works
- 263 Automatic transmission devices
- 265 Transaxles

Brakes

- 269 General works
- 269.2 Air brakes
- 269.3 Antilock brake systems

Wheels and tires

Heating and ventilation equipment

- 271 General works
- 271.5 Air conditioning

Electric equipment. Batteries

- Including starting, lighting and ignition devices, etc.
- Cf. TK2921 Primary cells
- Cf. TK2941 Storage batteries
- Cf. TL213 Ignition
- Cf. TL220+ Batteries for electric automobiles

Electronic equipment

- 272.5 General works
- 272.52 Collision avoidance systems
- 272.53 Computers
- For engine control modules see TL214.C64
- 272.54 Automotive event data recorders
- 272.55 Display systems
- Audio equipment see TK7881.85
- 272.57 Driver assistance systems
- 272.58 Telematics
- 273 Automobile headlights
- 274 Automobile horns

- Motor vehicles
 - Design, construction and equipment
 - Special topics, not A-Z -- Continued
 - 275 Other details
 - 278 Manufacturing. Factory methods and equipment
 - 278.5 Quality standards
 - Including QS-9000
 - 280 Patents
 - 285 Testing (General)
 - Including motor vehicle safety inspection. For emissions inspection, see TL214.P6
 - Cf. TL242 Safety factors in motor vehicle design and construction
 - 290 Endurance tests
 - 295 Traction. Skidding. Traction tests
 - Cf. TE450 Roads and pavements
 - 296 Industrial power trucks
 - 296.5 Loaders (Automotive)
 - Trailers
 - Cf. GV198.5+ Trailer camping
 - Cf. TH4819.M6 Mobile home construction
 - Cf. TX1100+ Mobile home living
 - 297 General works
 - 297.2 Boat trailers
 - 297.6 Truck trailers
 - Including piggyback trailers
 - 298 Truck-mounted campers and coaches
 - 390 Cyclecars
 - Cycles
 - Cf. GV1040+ Cycling
 - 400 General works
 - Including history
 - 405 Early forms
 - Including velocipedes
 - Bicycles and tricycles
 - Cf. HD9993.B54+ Bicycle industry
 - Cf. HE5736+ Bicycle transportation
 - 410 General works
 - 412 Juvenile works
 - Motor bicycles see TL443
 - Details. Parts
 - 414 General works
 - 415 Frame
 - 420 Driving gear
 - 422 Wheels
 - 425 Tires
 - 430 Repairs

Cycles

Bicycles and tricycles -- Continued

- 435 Catalogs and other trade publications
Including cycles
- 437 Patents
Including cycles and motorcycles
- 437.5.A-Z Special types, makes, etc., A-Z
- 437.5.V45 Velomobiles
- 438 Models
Including cycles and motorcycles
- Motorcycles
- 439 Dictionaries
- 439.5.A-Z By region or country, A-Z
- 440 General works
- 440.15 Juvenile works
- 440.2 Motorcyclists
- 440.5 Motorcycle riding
- 441 Trail bikes. Dirt bikes
Racing motorcycles
Cf. GV1060+ Motorcycle racing
- 442 General works
- 442.5 Drag bikes
- 442.7 Choppers and bobbers
- 443 Motor bicycles
- 444 Maintenance and repair
- 444.2 Conservation and restoration. Collectors and collecting
- 444.5 Workshops and shop practice
- 445 Motors, etc.
- 448.A-Z Special types, makes, etc. A-Z
e.g.
- 448.A47 Ariel
- 448.C54 Cleveland
- 448.E44 Electric motorcycles
- Motor scooters
- 450 General works
- 453.A-Z Special makes, A-Z
- 460 Autosleds
- Roving vehicles (Astronautics)
- 475 General works
- 480 Moon cars
- 482 Coaster cars
Cf. GV1029.7 Soapbox racing, etc.
- 483 Pedal cars
- 484 Golf carts

Aeronautics. Aeronautical engineering

Cf. GV750+ Air sports

Cf. HD9711.3 Lighter-than-air craft industry (Economic aspects)

Cf. HD9711.5 Aerospace industry

Cf. HE9761+ Air transportation

Cf. UG622+ Military aeronautics. Air warfare

Cf. VG90+ Naval aeronautics. Naval air warfare

Periodicals, societies, yearbooks, etc.

Cf. TL521+ Serial documents of special countries, e. g.

TL521.A3-TL521.A35, U.S. National Advisory

Committee for Aeronautics; TL526.G7A3-

TL526.G7A4, Great Britain Aeronautical Research Council

International

500

General

500.5

International Civil Aviation Organization

Including technical material and general collections published by the organization that includes material of a technical nature

For administrative material see HE9762.5

501

English language

502

French language

503

German language

504

Other, not A-Z by language

505

Congresses

Exhibitions. Museums. Collectors and collecting

506.A1

General works

506.A2-Z

By region or country, A-Z

Subarrange each country (except the United States) by Table

T4b

United States

506.U5

General works

506.U6A-.U6Z

Local, A-Z

507

Collected works (nonserial)

508

Scrapbooks

509

Dictionaries, encyclopedias, etc. Nomenclature. Symbols.

Abbreviations

Directories. Registers

512

General works

Registers of aircraft see HE9769.A+

512.7

Registers of pilots

513

Patents

514

Catalogs of materials and equipment (General)

History

515

General works

516

Antiquities and legends

Aeronautics. Aeronautical engineering -- Continued

Special regions or countries

Cf. TL539+ Biography

America. United States

521

General works

U.S. National Aeronautics and Space Administration
(NASA)

For special space research centers see TL862.A+

For NASA launch complexes see TL4027.A+

521.3.A-Z

Serials and collected sets, A-Z

e.g.

521.3.C6

Contractor report

521.312

Monographs

521.5

Regions

522.A-.W

States, A-W

523

Canada and Newfoundland

524.A-Z

Latin America, Central America and West Indies. By
country or island, A-Z

525.A-Z

South America, A-Z

526.A-Z

Europe, A-Z

e.g.

526.G7

Great Britain

527.A-Z

Asia, A-Z

e.g.

527.P4

Philippines

528.A-Z

Africa, A-Z

529

Australia

529.5

New Zealand

Pacific Ocean and islands

530.A1

General works

530.A5-Z

Special islands, A-Z

531

Transoceanic flights

532

Arctic regions. Antarctica

537

Awards, prizes, etc. Competitions

Cf. TL721.5+ Air meets

538

Badges, insignia, etc.

Biography

539

Collective

540.A-Z

Individual, A-Z

e.g.

540.L5

Lindbergh

General works

544

Early to 1900

Cf. TL516 Antiquities and legends

545

1900-

546

Textbooks

546.5

Examinations, questions, etc.

- Aeronautics. Aeronautical engineering
- General works -- Continued
- 546.7 Popular works
- 547 Juvenile works
- 549 Pictorial works
- 551 Handbooks, pocketbooks, tables, etc.
- 551.5 High-speed aeronautics
 - For supersonic and transonic aerodynamics see TL571
 - For hypersonic aerodynamics see TL571.5
- 552 Civil aviation (Technology)
 - Cf. HE9761+ Air transportation
 - Cf. TL515+ History of aeronautics
 - Cf. TL664+ Use of airships
 - Cf. TL719.92+ Special uses of airplanes
- 553 Miscellaneous aspects of the general subject
 - General works
 - Accidents and their prevention. Air safety
 - Cf. HE9784+ Air transportation
 - Cf. TL697.S3 Safety devices (General)
 - 553.5 General works
 - By region or country
 - United States
 - 553.52 General works
 - 553.525.A-Z By region or state, A-Z
 - 553.53.A-Z Other regions or countries, A-Z
 - Geography and aviation see G142
 - Aviation risks in life insurance see HG8810
 - Aviation insurance see HG9972+
 - 553.54 Aircraft bird strikes
 - For airport bird control see TL725.3.B5
 - 553.55 Near misses
 - 553.6 Human engineering in aeronautics
 - 553.7 Survival after airplane accidents
 - 553.8 Search and rescue
 - Survival and rescue adventures and narratives
 - 553.9.A1 Periodicals, societies, etc.
 - 553.9.A2-Z General works
 - Aeronautics in art see N8217.A4
 - (554) Aeronautics in literature
 - see class P
 - Wit and humor see PN6231.A4
 - 555 Physical and mental requirements for pilots
 - Including tests
 - For clinical aspects see RC1050+
 - Cf. RA615.2 Public health aspects
 - Cf. RA641.5 Transmission of disease
 - Cf. RA655+ Quarantine

- Aeronautics. Aeronautical engineering
 Miscellaneous aspects of the general subject -- Continued
 Meteorology in aeronautics. Aeronautical meteorology
- 556 General works
 - 556.5 Study and teaching
 - 557.A-Z Special, A-Z
 - 557.A5 Air currents. Winds
 - Atmospheric electricity see TL557.S65
 - 557.A8 Atmospheric temperature
 - Cf. TL557.D4 Density altitude
 - 557.C4 Charts
 - 557.C6 Clouds
 - 557.C7 Condensation trails
 - 557.D4 Density altitude. Density altitude computers
 - Density altitude computers see TL557.D4
 - 557.F6 Fog control
 - 557.H3 Hail
 - 557.I3 Ice prevention
 - 557.R4 Reporting and forecasting
 - 557.S65 Static electricity. Atmospheric electricity
 - 557.S7 Storms
 - 557.V5 Visibility
 - Winds see TL557.A5
 - 557.V64 Volcanic ash
 - 558.A-Z By country or region, A-Z
 - e.g.
 - 558.A1 General
 - 558.A5 Antarctica
 - 558.F8 France
 - 558.G4 Germany
 - 559 Addresses, essays, lectures
 - Study and teaching
 - Cf. LB1594.5 Elementary education
 - 560 General works
 - United States
 - 560.1 General works
 - 560.2.A-Z Special schools, A-Z
 - Employee training in factories
 - 560.25.A1 General works
 - 560.25.A2-Z By company, A-Z
 - 560.3.A-Z Other countries, A-Z
 - 560.4.A-Z Special schools, A-Z
 - Flying schools see TL713.A+
 - 561 Aeronautics as a vocation
 - 563 Electronic data processing
 - Communication of aeronautics informations
 - 563.5 General works

- Aeronautics. Aeronautical engineering
- Communication of aeronautics information
- 564 Information services
- 564.5 Language. Authorship
- Aeronautical research
- Cf. UG640+ Military aeronautical research
- 565 General works
- Research equipment. Laboratory construction and layout
- 566 General works
- 567.A-Z Special, A-Z
- 567.B3 Balances
- 567.B33 Ballistic ranges
- 567.B4 Basins. Water channels
- 567.I6 Instruments
- 567.M6 Models for wind tunnel and water testing
- 567.N6 Nozzles
- 567.P6 Plane table
- 567.R47 Research aircraft
- 567.S4 Shock tubes
- 567.T6 Towing apparatus
- Water channels see TL567.B4
- 567.W5 Wind tunnels
- 568.A-Z Special institutions, A-Z
- Including research conducted by governments, universities or others
- For the research reports, transactions and other serial publications of such institutions see TL500+
- Mechanics of flight: Aerodynamics
- 570 General works
- 570.3 Dictionaries and encyclopedias
- 571 Supersonic aerodynamics (General)
- Including transonic aerodynamics
- For special topics see TL574.A+
- 571.5 Hypersonic aerodynamics (General)
- For special topics see TL574.A+
- Cf. TL683.5 Hypersonic planes
- 573 General special
- 574.A-Z Special topics, A-Z
- 574.A37 Aeroelasticity
- 574.A4 Aerofoils. "Profils d'ailes"
- 574.A45 Aerothermodynamics. Aerodynamic heating
- Aerodynamic heating see TL574.A45
- 574.B3 Base flow
- 574.B6 Boundary layer
- Burbling see TL574.T8
- 574.C3 Cascades
- 574.C4 Compressibility

Aeronautics. Aeronautical engineering

Mechanics of flight: Aerodynamics

Special topics, A-Z -- Continued

- 574.C6 Control
Damping see TL574.S7
- 574.D6 Downwash
- 574.D7 Drag. Head resistance
- 574.F5 Flow
- 574.F6 Flutter
- 574.F7 Friction
Ground cushion see TL574.G7
- 574.G7 Ground effect. Ground cushion
Head resistance see TL574.D7
- 574.I5 Interference
- 574.L3 Laminar flow
- 574.L4 Leading edges
- 574.L5 Lift. Thrust
- 574.M3 Magnus effect
- 574.M6 Moments. Pitch. Yaw. Roll
- 574.N6 Noise
Oscillations see TL574.S7
Pitch see TL574.M6
- 574.P7 Pressure. Pressure distribution. Wing load
Pressure distribution see TL574.P7
Resistance see TL574.D7
Resistance, Air see TL570+
Roll see TL574.M6
- 574.S4 Shock waves
- 574.S55 Sonic boom
- 574.S6 Spinning
- 574.S7 Stability. Oscillations. Damping
- 574.S74 Stalling
Thrust see TL574.L5
- 574.T8 Turbulence. Burbling
- 574.U5 Unsteady flow
- 574.V5 Vibration
- 574.V6 Vortex theory
- 574.W3 Wakes
Wing load see TL574.P7
Yaw see TL574.M6
- 575 Natural flight
Cf. QL698.7 Flight of birds
- 576 Soaring
- 577 Hovering
- 578 Aerostatics
- 586 Air navigation. Astronomy and navigation for air pilots
General works

Aeronautics. Aeronautical engineering

Air navigation. Astronomy and navigation for air pilots --

Continued

587

Logbooks, maps, charts, tables, etc.

Cf. QB7+ Ephemerides

Special methods. Latitude and longitude

Cf. VK565 Navigation

588

General works

588.5

Inertial navigation

Instruments

589

General works

589.2.A-Z

Special, A-Z

589.2.A3

Accelerometers

589.2.A5

Air-speed indicators

589.2.A6

Altimeter

Anemometer see QC932

589.2.A78

Artificial horizons

589.2.A8

Autosyn indicator

589.2.B3

Barograph

589.2.C5

Cinemitrailleuse

589.2.C58

Compass (Gyroscope)

589.2.C6

Compass (Magnetic)

589.2.D7

Drift indicator

589.2.E2

Earth inductor compass

589.2.F5

Flight recorders

589.2.N3

Navigation computer

589.2.O6

Optical gyroscope

589.2.P7

Pressure instruments

(589.2.R2)

Radio compass

see TL696.C7

589.2.R3

Rate of climb indicator

589.2.S4

Sextant

589.2.S7

Stall warning systems

589.2.T4

Tensionmeter

589.2.T5

Theodolite

589.2.T53

Thermometers

589.2.T8

Turn and bank indicator

Display systems

589.3

General works

589.35.A-Z

Special, A-Z

589.35.G46

Geographical displays

589.35.H42

Head-up displays

589.35.H44

Helmet-mounted displays

Guidance systems and automatic control

589.4

General works

589.5

Automatic pilots. Gyropilot

Engine instruments

Aeronautics. Aeronautical engineering

Instruments

Engine instruments -- Continued

589.6

General works

589.7.A-Z

Special, A-Z

589.7.T3

Tachometer

Sailing directions. Pilot guides see TL726+

Aircraft (General)

Including both lighter-than-air and heavier-than-air

600

General works

603

Identification marks and symbols

Cf. TL694.I4 Identification of aircraft by radar signal
(IFF equipment)

Lighter-than-air. Aerostation

605

General works

Balloons

Including free spheric balloons

609

Periodicals, societies, etc.

610

General works

612

Accidents

615

General special

History

616

General works

617

Invention and early history to 1800

Including the Montgolfiers

618

1800-

Special ascensions. Special aeronauts. Personal
narratives

620.A1

Collections

620.A2-Z

By name of aeronaut, A-Z

e.g.

620.B6

Blanchard

620.F6

Flammarion

620.G6

Goddard, Eugene

620.G7

Green, Charles

620.L8

Lunardi

620.O7

Orlandi

620.P5

Piccard

620.S55

Silberer

620.T5

Tissandier

620.T6

Tournachon

621.A-Z

Special balloons, A-Z

622

Design and construction

623

Rigging

625.A-Z

Parts and equipment, A-Z

625.A6

Anchor

625.B2

Ballast

Aeronautics. Aeronautical engineering

Aircraft (General)

Lighter-than-air. Aerostation

Balloons

Parts and equipment, A-Z -- Continued

625.B3

Ballonet

625.B4

Basket

625.D7

Drag rope

625.E6

Envelope

Instruments see TL589+

625.N4

Net

625.R5

Rip panel

625.V3

Valves

Operations of free balloons

626

Instructions and textbooks

626.5

Licensing of balloon pilots

627

Use of free balloons

Cf. GV762+ Air sports and racing

Cf. QC879.3+ Meteorology

Cf. UG640+ Military aeronautics

630

Pilot balloons

631

Sounding balloons

Cf. QC879.3+ Meteorology

632

Jumping balloons and balloon jumping

633

Toy and propaganda balloons

Captive balloons

634

General and spherical

635

Kite balloons

636

Equipment for captive balloons

637

Use of captive balloons

Use in war see UG640+

638

Hot air balloons

Early history see TL616+

639

Miscellaneous projects

Including balloon railways

Airships

650

General works

650.5

Juvenile works

651

General special

Including discussions of the possibility of dirigibles,
airships vs. airplanes, controversial material, safety,
etc.

654.A-Z

Special projects to 1900. By name of inventor, etc., A-Z
e.g.

654.D8

Dupuy de Lôme

654.G5

Giffard

Modern airships

Aeronautics. Aeronautical engineering

Aircraft (General)

Lighter-than-air. Aerostation

Airships

Modern airships -- Continued

- 655 General works
- Pressure airships
- 656 General works
- 656.2 Nonrigid. Blimps
- 656.4 Semirigid
- 656.6 Metal-clad
- 657 Rigid airships
- 658.A-Z Special makes, A-Z
- e.g.
- 658.Z4 Zeppelin
- 659.A-Z Individual ships, A-Z. Special voyages. Personal
- narratives
- e.g.
- 659.A4 Akron
- 659.G7 Graf Zeppelin
- 659.H5 Hindenberg
- 660 Design and construction
- 660.1 Rigging
- 660.2 Strains and stresses
- 660.3 Performance. Performance calculation
- Testing
- 660.4 General works
- 660.5 Model testing
- Details and parts
- 661 General works
- 662.A-Z Special, A-Z
- 662.B3 Ballast
- 662.B7 Bow caps
- 662.C3 Cars
- 662.C6 Control compartment
- 662.E6 Envelope
- 662.F7 Frame
- 662.G3 Gas cells
- 662.K4 Keel
- Motor see TL701+
- Propellers see TL705+
- 662.S7 Stabilizers
- 662.S8 Steering apparatus
- 663 Operation of airships
- Use of airships
- 664 General works
- Transportation see HE9770.A4

- Aeronautics. Aeronautical engineering
- Aircraft (General)
 - Lighter-than-air. Aerostation
 - Airships
 - Use of airships -- Continued
 - 664.2 War
 - 664.3 Other
 - Cf. G599 Polar exploration
 - Materials and accessories for lighter-than-air craft
 - 665 General works
 - 666 Gas, hydrogen, helium. Inflation machinery
 - Other special see TL699.A+
 - Lighter-than-air craft industry (Technical aspects)
 - Cf. HD9711.3 Lighter-than-air craft industry (Economic aspects)
 - 667 General works
 - 668.A-Z Special companies, A-Z
- Heavier-than-air craft
 - Airplanes
 - Periodicals see TL500+
 - 670 General works
 - History
 - For juvenile works see TL547
 - 670.3 General works
 - 670.5 Development of heavier-than-air craft before 1914
 - Including models and gliders
 - 670.7.A-670.Z Special projects before 1914, A-Z
 - e.g.
 - 670.7.L3 Langley
 - 670.7.M3 Maxim
 - General special
 - 671 General works
 - For juvenile works see TL547
 - 671.1 Airworthiness requirements. Specifications.
 - Standards
 - Collectors and collecting see TL506.A1+
 - 671.2 Design and construction
 - 671.25 Drafting and blueprint reading
 - 671.28 Manufacturing. Factory equipment and methods
 - Cf. HD9711+ Airplane industry
 - Cf. TL724+ Airplane industry (Technical aspects)
 - 671.3 Monoplane, biplane, multiplane characteristics (Comparative)
 - 671.4 Performance. Performance calculation. Handling characteristics
 - 671.5 Rigging, bracing, welding, etc.
 - Stability see TL574.S7

Aeronautics. Aeronautical engineering

Aircraft (General)

Heavier-than-air craft

Airplanes

General special -- Continued

- 671.6 Structural analysis and design of air frames
- 671.65 Noise
 - Cf. TD893.6.A57 Noise control
- 671.7 Testing. Inspection
- 671.8 Model testing
- 671.85 Purchasing
- 671.9 Maintenance and repair
- 671.95 Conservation and restoration
- Details and parts
 - Supporting surfaces
 - General works
 - Special, A-Z
 - Angle of incidence
 - Camber
 - Canard wings
 - Cruciform wings
 - Decalage
 - Delta wings see TL673.T7
 - Dihedral angle
 - Duct inlets
 - Flaps
 - Gap
 - Ogee wings
 - Overhang
 - Rectangular wings
 - Section
 - Shielding see TL673.T4
 - Slotted wings
 - Stagger
 - Sweepback
 - Taper see TL673.T4
 - Tips of wings. Taper. Shielding
 - Triangular wings. Delta wings
 - Washin and washout
 - Structural parts and details
 - Including ribs, spars, struts, wires, etc.
- Folding wings
- Control and stabilizing surfaces
 - General works
 - Special, A-Z
 - Ailerons
 - Elevators

Aeronautics. Aeronautical engineering

Aircraft (General)

Heavier-than-air craft

Airplanes

Details and parts

Control and stabilizing surfaces

Special, A-Z -- Continued

677.F5

Fins. Vertical stabilizer

677.R8

Rudder

677.S8

Stabilizer. Tailplane

Tailplane see TL677.S8

Control apparatus. Control stick

678

General works

678.5

Fly-by-wire systems

Fuselage

680

General works

681.A-Z

Special, A-Z

681.A5

Air conditioning

681.C3

Cabin

681.C6

Cockpit

681.C7

Cowling

681.F5

Firewall

681.H4

Heating

681.I6

Instrument board

Instruments see TL589+

681.L6

Longerons

681.P7

Pressurization

681.S6

Soundproofing

681.W5

Windshields

681.5

Nacelles

Landing gear. Undercarriage

682

General works

683.A-Z

Special, A-Z

683.A35

Air cushion landing systems

683.A8

Axles

683.B7

Brakes

Landing gear for use on snow see TL683.S6

683.R4

Retractable landing gear

683.S4

Shock absorbers

683.S5

Skids. Wing and tail skids

683.S6

Skis. Landing gear for use on snow

683.T5

Tires

683.W5

Wheels

Wing and tail skids see TL683.S5

683.5

Hypersonic planes

Seaplanes

Cf. TL711.S43 Seaplane flying

Aeronautics. Aeronautical engineering

Aircraft (General)

Heavier-than-air craft

Airplanes

Seaplanes -- Continued

684

General works

684.1

Amphibians

684.2

Flying boats. Hulls

684.3

Floatplanes. Floats

684.4

Biplanes

684.5

Triplanes

684.6

Tailless airplanes

684.8

Flying automobiles

685

Convertiplanes. Vertically rising aircraft

Airplanes for special uses

685.1

Light (or sport). Private planes

Cf. HE9795+ Economic aspects

Cf. TL721.4 Private flying

685.15

Ultralight aircraft

685.2

Mailplanes

685.3

Military planes

Class here works on the manufacture, testing, and
restoration of military airplanesFor markings, procurement, and use in warfare
see UG1240+

Passenger planes

Cf. HE9787+ Passenger service

685.4

General works

685.5.A-Z

Special equipment, etc., A-Z

685.5.I6

Interior decoration

685.5.R4

Restaurant

685.5.S4

Seats

685.5.S6

Sleeping accommodations

685.6

Racing planes

685.7

Transport planes. Cargo planes

Cf. HE9761+ Air transportation (Economic
aspects)

686.A-Z

Special makes. By name of manufacturer, A-Z

e.g.

686.A77

Auster aircraft

686.B65

Boeing Aircraft Company

686.B68

Bréguet

686.D4

De Havilland Aircraft Company

686.D65

Douglas Aircraft Company

686.L6

Lockheed Aircraft Corporation

686.R7

Rozhestvenskii

686.S7

Stearman

- Aeronautics. Aeronautical engineering
 - Aircraft (General)
 - Heavier-than-air craft
 - Airplanes -- Continued
 - Airplane materials and accessories
 - 688 General works
 - Special materials see TL699.A+
 - Flying machines other than airplanes
 - see TL714+
 - 689 Radioisotope technology and components
 - Electrical systems and equipment
 - 690 General works
 - 690.5 Electromagnetic interference in aeronautics
 - 691.A-Z Special, A-Z
 - 691.A95 Auxiliary power supply
 - 691.B3 Batteries
 - 691.G4 Generators
 - 691.L3 Landing lights
 - 691.M3 Magnetic recorders
 - 691.N3 Navigation lights
 - Radio see TL693+
 - Radio see TL695+
 - 691.S4 Searchlights
 - 691.W5 Wiring
 - Communication methods and equipment
 - 692 General special
 - Including signaling, etc.
 - Electronic methods and equipment. Telegraph. Radio.
 - Radar. Television
 - 693 General works
 - 694.A-Z Special, A-Z
 - 694.A6 Antennas
 - Bonding see TL694.I6
 - 694.C6 Cipher and telegraph codes
 - 694.I4 Identification
 - Including IFF (Identification - Friend or Foe)
 - 694.I5 Inspection
 - 694.I6 Interference. Bonding. Shielding
 - 694.R4 Receiving
 - Shielding see TL694.I6
 - 694.T35 Telemetry
 - 694.T4 Teletype
 - 694.T7 Transmitting
 - Electronic aids to navigation. Radio. Radar. Television
 - 695 General works
 - 695.5 Directories of radio stations
 - 696.A-Z Special, A-Z

- Aeronautics. Aeronautical engineering
 Communication methods and equipment
 Electronic aids to navigation. Radio. Radar. Television
 Special, A-Z -- Continued
- 696.A77 Altimeter see TL696.H4
 - 696.B4 Artificial satellites
 - 696.B5 Beacons
 - 696.B5 Beacon receiver
 - 696.C6 Collision prevention
 - 696.C7 Radio compass
 - 696.C75 Control tower display systems
 - 696.C8 Course computers. Course-line computers, etc.
 - 696.D5 Direction finders
 - 696.D6 Distance indicator
 - 696.D65 Distance measuring equipment (Aircraft to ground station)
 - Field and runway localizer see TL696.L3
 - Glide path systems see TL696.L33
 - 696.G7 Ground-speed indicator
 - 696.H4 Height indicator. Altimeter
 - 696.I5 Inspection
 - 696.L3 Landing aids
 - 696.L33 Instrument landing systems
 - Including ground controlled approach, etc.
 - Cf. TL711.B6 Blind flying
 - Cf. TL711.L3 Landing
 - 696.L65 Loran
 - 696.M3 Markers
 - 696.O5 Omnidirectional system
 - 696.R2 Radar
 - 696.R25 Radar air traffic control systems
 - 696.R3 Range
 - 696.T3 Tacan
- Miscellaneous equipment and apparatus
- 697.A1 General works
 - 697.A2-Z Special, A-Z
 - 697.A57 Air ducts
 - 697.B4 Bearings
 - 697.C6 Clothing for pilots
 - Cf. TL697.G6 Goggles
 - Cf. TL697.P7 Pressure suits
 - 697.C65 Compressors
 - 697.F37 Fasteners
 - 697.F5 Fire prevention
 - Cf. TH9445.A5 Fire hazards of hangars
 - 697.G6 Goggles
 - 697.H4 Heat pipes

Aeronautics. Aeronautical engineering

Miscellaneous equipment and apparatus

Special, A-Z -- Continued

- 697.H44 Helmets
- 697.H9 Hydraulic equipment
- Ice prevention see TL557.I3
- 697.L3 Landing flares
- 697.L34 Lasers
- Military equipment (General and Army) see UG1240+
- Military equipment (Navy) see VG90+
- 697.O65 Optical equipment
- 697.O8 Oxygen equipment
- Photographic equipment see TR1+
- 697.P5 Pilot ejection seats
- 697.P6 Pneumatic equipment
- 697.P7 Pressure suits
- 697.S3 Safety devices (General)
 - Cf. TL750+ Parachutes
- 697.S8 Stabilizing devices
- Materials of construction
- 698 General works
- 699.A-Z Special, A-Z
- 699.A58 Alloys
- 699.A6 Aluminum
 - Including alloys
- 699.A8 Asbestos
- 699.C44 Cellulose acetate
- 699.C46 Ceramic materials
- 699.C57 Composite materials
- 699.C6 Copper
 - Including alloys
- 699.D6 Dopes
- 699.D9 Duralumin
- 699.F2 Fabrics
- 699.F5 Finishes
- 699.G6 Glue
- 699.G85 Gums and resins, Synthetic
- 699.L23 Laminated materials
- Laminated wood see TL699.W7
- 699.L3 Lautal
- 699.M32 Magnesium
- 699.M4 Metals
- 699.P6 Plastics
- Plywood see TL699.W7
- 699.P7 Potting compounds
- Resins, Synthetic see TL699.G85
- 699.R8 Rubber

Aeronautics. Aeronautical engineering

Materials of construction

Special, A-Z -- Continued

699.S7

Spruce

699.S8

Steel

Including alloys

Timbers see TL699.W6

699.T56

Titanium

699.T8

Tubes

699.W5

Wire

699.W6

Wood. Timbers

699.W7

Wood, Laminated. Plywood

Motors. Aircraft engines

701

General works

701.1

General special

701.2

Influence of altitude

701.4

Installation

701.5

Maintenance and repair. Inspection

701.6

Performance

701.7

Specifications. Standards

701.8

Testing

702.A-Z

Details and parts, A-Z

702.A37

Actuators. Control systems

702.C3

Carburetors

702.C5

Connecting rods

Cooling system see TL702.R3

702.C6

Cowlings

702.C7

Crankshafts

702.C9

Cylinders

702.F8

Fuel feeding and tanks

702.G4

Gearing

702.I5

Ignition devices. Magnetos

702.L8

Lubrication

Magnetos see TL702.I5

702.M8

Mufflers

702.O55

Oil filters

Opening and closing system see TL702.V3

702.P5

Pistons

702.R3

Radiators. Cooling system

702.S7

Starting devices

702.S8

Superchargers

702.V3

Valves. Opening and closing system

703.A-Z

Special makes, A-Z

e.g.

703.D4

De Havilland

703.H5

Hispano-Suiza

Engines other than gasoline

Aeronautics. Aeronautical engineering

Motors. Aircraft engines

Engines other than gasoline -- Continued

- 704 General works
- 704.1 Atomic engines
- 704.2 Diesel engines
- 704.4 Steam engines for aircraft
- 704.6 Model engines
- 704.7 Fuel for aircraft engines
 - Cf. TL711.J4 Jettisoning of fuel
 - Cf. TL711.R4 Refueling

Propellers. Airscrews

- 705 General works
- 706.A-Z Special, A-Z
 - 706.A2 Abrasion
 - 706.B3 Balancing. Flutter
 - 706.E8 Etching
 - Flutter see TL706.B3
 - 706.I6 Interference
 - 706.N6 Noise
 - 706.P4 Performance. Performance calculation
 - 706.P8 Pusher vs. tractor
 - 706.S4 Slip
 - 706.S5 Slip stream
 - 706.S6 Specifications. Standards
 - Standards see TL706.S6
 - 706.S7 Strains and stresses
 - 706.T4 Testing
 - 706.T5 Thrust
 - 706.V4 Vibration
- 707.A-Z Details and parts, A-Z
 - 707.B6 Blade section and form
 - 707.B7 Boss
 - 707.G4 Gear
 - 707.H8 Hub
 - 707.P5 Pitch, Adjustable and controllable
 - 707.S6 Spinner
 - 707.T5 Tipping

Nuclear power plants. Nuclear propulsion for aircraft

- Cf. TL704.1 Atomic engines, propeller engine systems
- Cf. TL783.5 Nuclear rockets, propulsion systems

- 708.A1 Periodicals, societies, etc.
- 708.A2-Z General works
- 708.3.A-Z By region or country, A-Z
- Jet propulsion. Jet engines
 - For rocket propulsion see TL780+
- 709 General works

Aeronautics. Aeronautical engineering

Jet propulsion. Jet engines -- Continued

- 709.3.A-Z Special types, A-Z
- 709.3.R3 Ramjet engines
- 709.3.S37 Scramjet engines
- 709.3.T8 Turbine-propeller engines
- 709.3.T82 Turbofan engines
- 709.3.T83 Turbojet engines
- 709.5.A-Z Details and parts of jet engines, A-Z
 - Air intakes or inlets see TL709.5.I5
 - 709.5.B4 Bearings
 - 709.5.B6 Blades
 - 709.5.C55 Combustion chambers
 - 709.5.C56 Compressors
 - 709.5.C57 Control systems
 - 709.5.C6 Cooling systems
 - 709.5.D5 Diffusers
 - 709.5.F8 Fuel systems
 - 709.5.H42 Heating regenerators
 - 709.5.I5 Intakes or inlets for air
 - 709.5.N68 Nozzles
 - Roller bearings see TL709.5.B4
 - 709.5.S8 Starting devices
 - Supersonic intakes or inlets see TL709.5.I5
 - 709.5.T5 Thrust reversers
 - 709.5.T87 Turbines

Operation of airplanes. Flying

- 710 General works
 - Including textbooks and instruction books
- 711.A-Z Special, A-Z
 - Aerobatics see TL711.S8
 - 711.A5 Airspeed
 - 711.A6 Altitude flying
 - Cf. TL555 Physical and mental requirements for pilots
 - 711.A7 Special altitude flights
 - Arrange by date
 - 711.B6 Blind flight. Instrument flying
 - 711.B88 Bush flying
 - 711.C64 Cold weather operation
 - Cross-country flying see TL711.L7
 - 711.D4 Dispatching
 - 711.D5 Ditching
 - 711.D7 Dropping of cargo
 - 711.E57 Emergency maneuvers
 - 711.E6 Endurance flights
 - 711.F47 Ferrying
 - Formation flying, Military see UG632.2+

- Aeronautics. Aeronautical engineering
- Operation of airplanes. Flying
 - Special, A-Z -- Continued
 - 711.H65 Holding patterns
 - 711.I47 Intercepting other aircraft
 - Instrument flying see TL711.B6
 - 711.J38 Jet flying
 - 711.J4 Jettisoning of fuel
 - 711.L3 Landing
 - Cf. TL696.L3 Radio
 - 711.L6 Loading
 - 711.L7 Long distance flying. Cross-country flying
 - 711.M68 Mountain flying
 - Multiengine flying see TL711.T85
 - 711.N5 Night flying
 - 711.O26 Ocean flying. Overwater flying
 - Overwater flying see TL711.O26
 - 711.R4 Refueling
 - 711.S43 Seaplane flying
 - 711.S5 Single heading
 - 711.S8 Stunt flying. Aerobatics
 - 711.T28 Taildragger flying
 - 711.T3 Takeoff
 - 711.T85 Twin-engine flying. Multiengine flying
- Flight training
 - 712 General works
 - 712.5 Flight simulators and trainers
 - 712.8 Computer flight games
 - For war games see U310+
 - Cf. GV1469.15+ Computer games
 - Cf. TL1088 Space flight computer simulation
- 713.A-Z Flying schools. By place, A-Z
- 713.5 Flying clubs
- Flying machines other than airplanes
 - Including experimental models, but not toy models
 - 713.7 Lifting bodies
 - Rotor aircraft
 - 714 General works
 - 715 Autogiros
 - Helicopters
 - Cf. TL685 Convertiplanes. Vertical takeoff and landing aircraft
 - Cf. UG1230+ Military helicopters
- 716.A1 Periodicals, societies, etc.
- 716.A2-Z General works
- 716.2 Juvenile works
- 716.5 Operation of helicopters

- Aeronautics. Aeronautical engineering
 Flying machines other than airplanes
 Rotor aircraft
 Helicopters -- Continued
 716.9.A-Z Special makes. By name of manufacturer, A-Z
 717 Ornithopters. Winged flight
 717.5 Personal propulsion units. Rocket belts. Jet belts
 718 Other
- Special uses of airplanes
 Civil aviation (Technology) see TL552
 Transportation (Technology)
 For economic aspects see HE9761+
- 720 General works
 721.A-Z Special flights, A-Z
 For collected flights over an individual country see
 TL521+
 For collected flights overseas see TL531
 Cf. TL539+ Biography
- 721.B3 Balbo
 721.B5 Blériot
 721.B7 Bremen
 721.B83 Buck
 721.C5 Chichester
 721.C6 Cobham
 721.C65 Costes
 721.E3 Earhart
 Gatty and Post see TL721.P6
 721.K5 Kingsford-Smith
 Lindbergh see TL540.L5
 McIntosh and Parer see TL721.P27
 721.M35 McMillan-Kidby
 721.M443 Miranda and Tejada
 721.P27 Parer and McIntosh
 721.P6 Post and Gatty
 721.R54 Rodgers
 Rutan and Yeager see G445
 721.S63 Smith, Dick
 721.U58 U.S. Army Round-the-rim flight
 721.U6 U.S. Army world flight
 Yeager see TL551.5
- 721.1 Exploration. Mountain climbing
 For special localities see TL521+
 Cf. G599 Aircraft for polar exploration
- (721.2) Surveying and mapping
 see TA593
- (721.3) Aerial photography
 see TR810

- Aeronautics. Aeronautical engineering
 Special uses of airplanes -- Continued
- 721.4 Private flying
 For sports flying see GV758+
- 721.5 Air meets
 General works
 Races see GV759+
- 721.6.A-Z Special meets, A-Z
 Use of airplanes in various industries
- 722 General works
 (722.1) Agriculture
 see S494.5.A3
- 722.2 Fisheries and whaling
 (722.3) Forestry, fire patrol
 see SD387.A3
- 722.4 Mining. Prospecting
- 722.5 Use of airplanes for advertising
 Including flying exhibits, flying signboards, voice of the air,
 skywriting, and distribution of literature
- 722.8 Use of airplanes for humanitarian purposes. Lifesaving at
 sea
 Cf. RA996.5+ Aeronautics and medicine
 Cf. TL553.8 Search and rescue
- 723 Government uses of airplanes
 For airmail (general) see HE6238
 For airmail (U.S.) see HE6496
 For war see VG90+
- Airplane industry (Technical aspects)
 Including management
 Cf. TL671.28 Manufacturing. Factory equipment and
 methods
- 724 General works
 For trade directories see TL512+
- 724.5.A-Z Special companies, A-Z
- Airways (Routes). Airports and landing fields. Aerodromes
 Including air pilot guides
 Cf. HE9797+ Air transportation
 Cf. UG622+ Military aeronautics
 Cf. VG90+ Naval aeronautics
- 725.A1 Periodicals, societies, etc.
 725.A2-Z General works
 725.15 Juvenile works
 725.2 Specifications
 725.3.A-Z Special topics, A-Z
 725.3.A2 Access to airports
 725.3.A6 Areas, Danger

Aeronautics. Aeronautical engineering
 Airways (Routes). Airports and landing fields. Aerodromes
 Special topics, A-Z -- Continued

- 725.3.B5 Bird control
 For aircraft bird strikes see TL553.54
- 725.3.B8 Buildings
 Cf. TL725.3.R4 Repair shops
- 725.3.C3 Camouflage
- 725.3.C6 Cold weather conditions
- 725.3.C63 Communication systems
- 725.3.C64 Control towers
- 725.3.D35 Defense measures. War damage
- 725.3.D4 Dispatching of airplanes
 Cf. TL725.3.T7 Traffic control
- 725.3.D7 Drainage
- 725.3.E43 Electric equipment
- 725.3.E6 Equipment
 Fire prevention and extinction see TH9445.A5
 Fog control see TL557.F6
- 725.3.F73 Free flight
- 725.3.G6 Government operation and support
- 725.3.I6 Intra-airport transportation
- 725.3.L2 Landing aids
 Cf. TL691.L3 Landing lights (Aircraft)
 Cf. TL696.C75 Control tower display systems
 (Electronic)
 Cf. TL696.L3 Landing aids (Electronic)
 Cf. TL725.3.L5 Lighting (Airports)
 Cf. TL725.3.T7 Air traffic control
- 725.3.L3 Landing fees
- 725.3.L5 Lighting
- 725.3.L6 Location
- 725.3.M16 Maintenance and repair
- 725.3.M2 Management
- 725.3.M3 Marking
 Meteorology see TL556+
- 725.3.M63 Models
- 725.3.N6 Noise
- 725.3.P3 Passenger accommodations
- 725.3.P35 Pavements
- 725.3.P5 Planning
- 725.3.P55 Pneumatic equipment
- 725.3.P67 Power plants
- 725.3.P7 Private aircraft
- 725.3.R3 Radiation safety
- 725.3.R4 Repair shops
- 725.3.R8 Runways

- Aeronautics. Aeronautical engineering
- Airways (Routes). Airports and landing fields. Aerodromes
- Special topics, A-Z -- Continued
- 725.3.S34 Safety measures
- 725.3.S44 Security measures
- 725.3.S47 Signs and signboards
- 725.3.S5 Size
- 725.3.S6 Soils
- (725.3.T5) Time schedules, etc., for making timetables. Slot allocation
see HE9797.4.S56
- 725.3.T7 Traffic control
Cf. TL696.C75 Control tower display systems (Electronic)
Cf. TL696.R25 Radar air traffic control systems
- War damage see TL725.3.D35
- 725.3.Z6 Zoning
- 725.5 Heliports
For special places see TL726+
- 725.6 Seaplane bases
For special places see TL726+
- 725.7 Floating airports
For special places see TL726+
- 725.8 Aircraft carriers
Cf. V874+ Vessels
- Special countries
- 726 General works
- 726.15 General special
Including Plymouth to Basra, and transpacific routes, etc.
- United States
- 726.2 General works
- 726.3.A-.W States, A-W
- 726.4.A-Z Cities, A-Z
- Other countries
- America (except United States)
- 726.5.A1 General works
- 726.5.A2-Z Individual countries, A-Z
Subarrange each country by Table T4a
- Europe
- 726.6.A1 General works
- 726.6.A2-Z Individual countries, A-Z
Subarrange each country by Table T4a
- Asia
- 726.7.A1 General works
- 726.7.A2-Z Individual countries, A-Z
Subarrange each country by Table T4a
- Africa

- Aeronautics. Aeronautical engineering
- Airways (Routes). Airports and landing fields. Aerodromes
- Special countries
- Other countries
 - Africa, A-Z -- Continued
 - General works
- 726.8.A1 Individual countries, A-Z
- 726.8.A2-Z Subarrange each country by Table T4a
- 726.85 Australia
- 726.87 New Zealand
- 726.9 Pacific islands
- Beacons for aircraft
 - Cf. TL725.3.L5 Airport lighting
- 727 General works
- Radio beacons see TL696.B4
- Hangars
 - General works
 - Cf. TH9445.A5 Fire prevention
- 730 General special
- 730.1 For airships
- 730.2 For airplanes
- 730.3 Mooring masts
- 731 Launching machinery. Catapults, etc.
- 732 Apparatus for picking up and delivering goods, etc., during flight
- 733 Parachutes
 - Historical and early works, including parachutes used from balloons for exhibition and other purposes
 - For sport parachuting see GV769.5+
- 750 General works
- 751.A-Z Special jumpers, A-Z
- Modern parachutes
 - General works
 - Juvenile works
 - General special
 - Special makes, A-Z
 - Personal narratives
 - Parachutes to carry airplanes
- 752
- 752.5
- 753
- 754.A-Z
- 755
- 758 Kites
 - For sport and competitions see GV769
- 759.A1 Periodicals, societies, etc.
- 759.A6-Z General works
- History
 - General works
 - By region or country, A-Z
 - Juvenile works
 - Special types of kites, A-Z
- 759.3
- 759.4.A-Z
- 759.5
- 759.6.A-Z

Aeronautics. Aeronautical engineering

Kites

Special types of kites, A-Z -- Continued

759.6.F54

Fighter kites

759.6.P3

Parakites

759.7

Uses of kites (General)

Cf. QC879.3+ Meteorology

Cf. TR810 Photography from kites

Gliders. Gliding and soaring

760.A1

Periodicals, societies, etc.

General works

760.A2

Early to 1903

760.A3-Z

1903-

760.4.A-Z

By region or country, A-Z

760.5

Air meets

761

General special

762

Design and construction

765

Operation of gliders. Launching. Gliding. Soaring

766

Equipment

769

Human powered aircraft

Models

Including model airplanes for hobbyists

For experimental models prior to 1914 see TL670.5

Cf. GV760+ Flying and racing of model airplanes

770.A1

Periodicals, societies, etc.

770.A2-Z

General works

772

Collectors and collecting

Model testing see TL671.7

Model rockets and space vehicles see TL844

774

Model gliders

775

Model airships

776

Model helicopters

777

Details and parts of models

Including propellers

778

Paper airplanes

Rocket propulsion. Rockets

780

Periodicals, societies, etc.

780.5

Dictionaries and encyclopedias

History

781

General works

781.5.A-Z

Special projects, A-Z

781.5.B55

Blue Streak

781.5.S3

Saturn

781.8.A-Z

By region or country, A-Z

Biography

781.85.A1

Collective

781.85.A3-Z

Individual, A-Z

- Rocket propulsion. Rockets -- Continued
- 782 General works
 - 782.5 Popular works. Juvenile works
 - 782.55 Pictorial works
 - 782.6 Handbooks, manuals, etc.
 - 782.7 Amateurs' manuals, etc.
 - 782.75 Addresses, essays, lectures
 - 782.8 Rocketry as a profession
 - Model rockets see TL844
 - Special types of rockets and propulsion
 - Chemical rockets. Chemical propulsion systems
 - 783 General works
 - 783.3 Solid propellant rockets
 - 783.4 Liquid propellant rockets
 - 783.45 Hybrid propellant rockets
 - 783.5 Nuclear rockets. Nuclear propulsion systems
 - Electric rockets. Electric propulsion systems
 - 783.54 General works
 - 783.57 Photon rockets. Photon propulsion systems
 - 783.6 Plasma rockets. Plasma propulsion systems
 - 783.63 Ion rockets. Ion rocket propulsion
 - 783.7 Beamed-energy propulsion
 - 783.8 Hot water rockets. Hot water rocket propulsion
 - 783.9 Solar sails
 - 784.A-Z Special topics, A-Z
 - 784.C6 Combustion
 - 784.C63 Controls. Guidance systems
 - 784.C65 Cooling
 - 784.E4 Electronics
 - 784.E86 Exhaust emissions
 - 784.E9 Expansion joints
 - 784.F8 Fuel systems
 - 784.L3 Launching
 - 784.N65 Nozzles
 - 784.P9 Pyrotechnics
 - 784.R4 Reliability
 - 784.S7 Stability
 - 784.S74 Staging
 - 784.T4 Thrust
 - 784.T5 Telemetry
 - Manufacturing. Factory methods
 - 784.3 General works
 - 784.5.A-Z Special topics, A-Z
 - 784.5.T4 Testing
 - 784.5.W4 Welding
 - 784.8 Materials
 - 785 Fuel

- Rocket propulsion. Rockets -- Continued
 Rockets for special uses, A-Z
- 785.8.L3 Launch vehicles
 785.8.S6 Sounding rockets
 Cf. QC879.4+ Meteorology
 Spaceships see TL795+
- Astronautics. Space travel
 Cf. UG1500+ Military astronautics. Space warfare
- 787 Periodicals, societies, etc.
 787.5 Collected works (nonserial)
 787.7 Abstracts
 788 Dictionaries and encyclopedias
 788.3 Directories
 788.35 Patents
 788.4 International cooperation
 History
 788.5 General works
 788.6 Space archaeology
 788.7 Imaginary voyages
- Unidentified flying objects. Flying saucers
 Cf. BF2050+ Human-alien encounters
 Cf. BL65.U54 Religious aspects of unidentified flying
 objects
 Cf. CB156 Terrestrial evidence of interplanetary voyages
- 789.A1 Periodicals, societies, etc.
 789.A2-Z General works
 789.16 Dictionaries
 789.2 Juvenile works
 789.3 Personal narratives
 Including personal sightings
 By region or country
 United States
 789.4 General works
 789.5.A-Z By region or state, A-Z
 789.6.A-Z Other regions or countries, A-Z
 By country, region, etc., A-Z
 Under each country
 .x *General works*
 .x2A-.x2Z *Special projects or programs, A-Z*
 e.g.
 United States
 789.8.U5 General works
 789.8.U6A-.U6Z Special projects or programs, A-Z
 789.8.U6A5 Apollo
 789.8.U6G4 Gemini
 789.8.U6M3 Mariner
 789.8.U6P56 Pioneer

- Astronautics. Space travel
 By country, region, etc., A-Z
 United States
 Special projects or programs, A-Z
 789.8.U6R3 Ranger
 789.8.U6S9 Surveyor
 789.8.U6X5 X-15 program
- Biography
 789.85.A1 Collective
 789.85.A3-Z Individual, A-Z
 790 General works
 791 Textbooks
 793 Popular works. Juvenile works
 793.5 Pictorial works
 793.7 Anecdotes, facetiae, etc.
 794 Handbooks, pocketbooks, tables, etc.
 794.3 Laboratory manuals. Amateur experiments
 794.5 Addresses, essays, lectures
 Space vehicles. Spaceships
 For specific aspects see TL874+
- 795 General works
 795.3 Space probes
 795.4 Microspacecraft
 Reusable space vehicles. Space shuttles
 795.5 General works
 795.515 Juvenile works
 795.7 Space colonies. Space communities
- Artificial satellites
 Cf. TL1080 Artificial satellite orbits
- 796.A1 Periodicals, societies, etc.
 796.A2-Z General works
 796.3 Juvenile works
 Small satellites see TL795.4
- 796.5.A-Z By country, region, etc., A-Z
Under each country:
 .x *General works*
 .x2A-.x2Z *Special projects or programs, A-Z*
 e.g.
 For individual planets, etc. see TL796.6.A+
- United States
 796.5.U5 General works
 796.5.U6A-.U6Z Special projects or programs, A-Z
 e.g.
 796.5.U6V3 Vanguard
- By planet, etc., A-Z
 796.6.A-Z
 796.6.E2 Earth
 796.6.S8 Sun

Astronautics. Space travel

Artificial satellites -- Continued

- 796.8 Observers' handbooks
Space stations
- 797 General works
- 797.15 Juvenile works
- 798.A-Z Special types by use, A-Z
- 798.G4 Geodetic satellites
Cf. QB343 Artificial satellites in geodesy
- 798.M4 Meteorological satellites
Cf. QC879.4+ Meteorology
- 798.N3 Navigation satellites
Class here general works on navigation satellites, including the satellite component of the Global Positioning System. For special applications, see the subject, e. g. TA595.5, Satellite surveying; TL696.A77, Artificial satellites in air navigation; VK562, Artificial satellites in ship navigation
For general works on the Global Positioning System see G109.5
- 798.S3 Scientific satellites
Cf. Q180.7 Astronautics in science
Cf. QB500.267+ Orbiting astronomical observatories
Telecommunication satellites see TK5104.2.A+
- 798.T47 Tethered satellites
- 799.A-Z Flights to special planets, etc. By planet, A-Z
Cf. QB600+ Planets
- 799.J8 Jupiter
- 799.M3 Mars
- 799.M4 Mercury
- 799.M6 Moon
- 799.S86 Sun
- 799.V45 Venus
- 844 Model rockets. Model space vehicles
Study and teaching
Cf. TL1085 Space flight training
- 845 General works
Audiovisual aids
- 845.5.A-.Z8 General works
- 845.5.Z9 Catalogs of audiovisual materials
United States
- 846 General works
- 847.A-Z Special schools, A-Z
- 848.A-Z Other countries, A-Z
- 849 Problems, exercises, etc.
Astronautics as a profession
- 850 General works

- Astronautics. Space travel
 - Astronautics as a profession -- Continued
 - Qualifications for astronauts
 - 855 General works
 - 856 Physical and mental requirements for astronauts
 - Including tests
 - For clinical aspects see RC1120+
 - Research
 - 858 General works
 - Equipment. Laboratories
 - 859 General works
 - 860.A-Z Special, A-Z
 - 862.A-Z Special institutions, A-Z
 - 865 Technology transfer. Space spinoffs
 - 867 Accidents and their prevention. Space safety
 - 869 Specifications
 - Systems engineering
 - 870 General works
 - 872 Estimates. Quantities. Costs
 - 873 Manned space flight
 - Specific aspects of space vehicles
 - (874) General works
 - see TL795
 - 875 Design and construction
 - 885 Reliability
 - 900 Thermodynamics. Heat engineering
 - 901 Fires and fire prevention
 - 910 Structural dynamics
 - 915 Maintenance and repair
 - 917 Lubrication
 - 920 Testing
 - 940 Expandable space structures
 - 943 Planetary quarantine
 - 945 Sterilization
 - 946 Contamination
 - Materials
 - 950 Periodicals, societies, etc.
 - 953 General works
 - 954.A-Z Special, A-Z
 - Coatings see TL954.P35
 - 954.M47 Metals. Metallurgy
 - 954.P35 Paints and coatings
 - Astrodynamics. Flight mechanics. Orbital mechanics
 - Cf. QB349+ Astronomy
 - 1050 General works
 - 1055 Relativistic effects in astrodynamics. Relativistic rocket
 - mechanics and dynamics

- Astronautics. Space travel
 - Astrodynamics. Flight mechanics. Orbital mechanics --
 - Continued
- 1060 Atmospheric entry phenomena
 - Cf. TL3028 Reentry communications
- Space navigation
 - Cf. TL3250+ Navigation systems. Guidance systems
- 1065 General works
- 1070 Astronautical charts, tables, etc. Logbooks
- Space trajectories. Orbital transfer
- 1075 General works
- 1078 Data processing
 - Including computer programs
- 1080 Artificial satellite orbits
- 1082 Astronautical instruments
 - For instruments of special systems, see the system; e.g.
 - for navigation systems see TL3250+
- 1085 Space flight training
- 1088 Space flight computer simulation
 - Cf. TL712.8 Computer flight games
- Operation of space vehicles. Piloting
- 1090 General works
- 1095 Orbital rendezvous
- 1096 Extravehicular activity. Space walk
- Space mining see TN291.3+
- 1097 Space robotics
- Space vehicle propulsion systems see TL780+
- 1098 Space tools
- Electric equipment on space vehicles
- 1100 General works
- 1102.A-Z Special, A-Z
- 1102.B3 Batteries
- 1102.G4 Generators
- 1102.I57 Insulators
- 1102.N8 Nuclear electric powerplants
 - Including Project SNAP
 - Project SNAP see TL1102.N8
- 1102.T4 Thermoelectric devices
- 1102.W57 Wiring
- 1200 Optical equipment on space vehicles
- Environmental engineering in space. Space environment
- 1489 General works
- 1490 Radiation shielding on space vehicles
- 1492 Electrostatic charging
- 1495 Space simulators
- 1496 Flow of fluids. Fluid dynamics
- 1499 Space debris

Astronautics. Space travel

Environmental engineering in space. Space environment --

Continued

Life support systems. Human engineering. Human environment equipment and testing

1500

General works

1530

Cabin atmosphere

1550

Space suits

1555

Seats

1560

Food

1565

Water supply

Test and training equipment

1570

General works

1572

Space cabin simulators

1575

Weightlessness simulators

Astrionics. Electronic equipment on space vehicles

3000.A1

Periodicals, societies, etc.

3000.A3-Z

General works

Telecommunication, guidance and control systems for space vehicles

Communication methods and equipment

3025

General works

3026

Deep Space Network

3028

Reentry communications. Plasma sheath effects

3035

Radio

3040

Television

Navigation systems. Guidance systems

3250

General works

Theory of navigation see TL1065+

3252

Inertial navigation systems

3255

Star trackers

3260

Attitude control systems

3270

Pointing systems

3280

Command control systems

3285

Space-based radar

Ground support systems, operations and equipment

4000

Periodicals, societies, etc.

4015

General works

Launching bases. Launch complexes

Including launch facilities

4020

General works

4024

Planning. Location

By region or country

United States

4026

General works

- Astronautics. Space travel
 - Ground support systems, operations and equipment
 - Launching bases. Launch complexes
 - By region or country
 - United States -- Continued
 - 4027.A-Z By region or state, A-Z
 - Under each state:*
 - .x* *General works*
 - .x2A-.x2Z* *Special bases. By name, A-Z*
 - Other regions or countries, A-Z
- 4028.A-Z
- 4030 Space tracking
- Command control equipment
- 4040 General works
- 4045 Mobile facilities
- 4050 Ground transportation
- Extraterrestrial roving vehicles see TL475+

| | |
|---------|--|
| | Mining engineering. Metallurgy |
| | Including mineral industries |
| | Periodicals and societies |
| | Arrange by language of publication |
| 1.A1 | International or polyglot |
| 1.A2-Z | English |
| 2 | French |
| 3 | German |
| 4 | Other languages (not A-Z) |
| 5 | Congresses |
| | Exhibitions. Museums |
| 6.A1 | General works |
| 6.A2-Z | By region or country, A-Z |
| | Subarrange each country by Table T4b |
| 7 | Collected works (nonserial) |
| | Dictionaries and encyclopedias |
| 9 | General works |
| 10 | Polyglot dictionaries |
| 12 | Directories |
| (13) | Yearbooks |
| | see TN1+ |
| | History and description |
| 15 | General works |
| 16 | Ancient |
| 17 | Medieval |
| | Modern |
| 18 | To 1800 |
| 19 | 1800- |
| 21-127 | Country divisions (Table T1a) |
| | Add country number in table to TNO |
| | Including government reports on mineral resources and economic geology |
| | Biography |
| 139 | Collective |
| 140.A-Z | Individual, A-Z |
| | General works |
| 144 | Early to 1800 |
| 145 | 1800- |
| 146 | Elementary works |
| 147 | Popular works |
| 148 | Juvenile works |
| 151 | Pocketbooks, tables, examinations, questions, etc. |
| 153 | General special |
| 155 | Addresses, essays, lectures |
| 160 | Mining engineering as a profession |
| | Study and teaching |
| 165 | General works |

Study and teaching -- Continued

- America
 - 171 General works
 - United States
 - 173 General works
 - 174.A-.W States, A-W
 - 175.A-Z Cities, A-Z
- Canada
 - 176 General works
 - 177.A-Z Special provinces, A-Z
 - 179 Latin America (General)
- Mexico
 - 180 General works
 - 181.A-Z Special divisions, A-Z
- Central America
 - 182 General works
 - 183.A-Z Special countries, A-Z
- West Indies
 - 185 General works
 - 186.A-Z Special islands, A-Z
- South America
 - 188 General works
 - 189.A-Z Special countries, A-Z
- Europe
 - 191 General works
 - 192.A-Z Special countries, A-Z
- Asia
 - 194 General works
 - 195.A-Z Special countries, A-Z
- Africa
 - 197 General works
 - 198 South Africa
 - 199.A-Z Other countries, A-Z
- Australia
 - 201 General works
 - 202.A-Z Special states, A-Z
- New Zealand
 - 203 Pacific islands
- Pacific islands
 - 204 General works
 - 205.A-Z Special islands, A-Z
- Metallurgical research
 - 207
- Special schools
 - United States
 - 210.A-Z General schools. By name of school, A-Z
 - 211 Correspondence schools
 - 213.A-Z Other countries. By place of school, A-Z

- (215-255) Mining laws and legislation
 - see class K
- (257) Patents
 - see class K
- 260 Economic or applied geology and mineralogy
 - For special countries see TN21+
- 263 Mineral deposits. Metallic ore deposits
 - For special countries see TN21+
 - For metallic ore deposits of particular metals see TN400+
 - For nonmetallic mineral deposits of particular minerals see TN799.5+
- 263.5 Energy minerals
 - Cf. TJ163.13+ Power resources
- 264 Marine mineral resources
 - For mining resources see TN291.5
- 265 Metallic ores (General)
- Geophysical surveying
- 269 General works
 - Electric logging
- 269.5 General works
- 269.55 Induction logging
- 269.7 Radioactive prospecting
- Seismic prospecting
- 269.8 General works
- 269.83 Geometrical diffraction
- 269.84 Seismic reflection method
- 269.85 Seismic refraction method
- 269.86 Vertical seismic profiling
- 269.88 Vibroseis
- 269.885 Water analysis. Sediment analysis
- Prospecting
 - Cf. TN560 Ore sampling
- 270.A1 Periodicals, societies, congresses, etc.
- 270.A2-Z General works
- 271.A-Z Special minerals, etc., A-Z
- 271.A2 Rare metals. Rare earths (General)
- 271.A47 Aggregates
- 271.B3 Bauxite
- 271.B4 Beryllium
- 271.B6 Boron
- 271.C47 Chlorite
- 271.C5 Chromium
- 271.C53 Clay
- 271.C58 Coal
- 271.C6 Copper
- 271.D5 Diamonds
- 271.F6 Fluorspar (Fluorite)

Prospecting

Special minerals, etc., A-Z -- Continued

- 271.G6 Gold
- 271.G7 Graphite
- 271.H43 Heavy minerals
- 271.I7 Iron
- 271.K2 Kaolin
- 271.K55 Kimberlite
- 271.L4 Lead
- Magnetite see TN271.I7
- 271.M3 Manganese
- 271.M4 Mercury
- 271.M5 Mica
- 271.N5 Nickel
- 271.N63 Nonmetallic minerals
- 271.P27 Peat
- 271.P3 Pegmatites
- 271.P4 Petroleum
- 271.P45 Phosphates
- 271.P56 Platinum
- 271.P6 Potassium
- 271.P9 Pyrites
- 271.Q4 Quartz
- 271.R33 Radioactive minerals
- Rare metals, rare earths see TN271.A2
- 271.S55 Silver
- 271.S88 Sulfides
- 271.S9 Sulfur
- 271.T3 Tantalum
- 271.T4 Thorium
- 271.T5 Tin
- 271.T55 Titanium
- 271.T8 Tungsten
- 271.U7 Uranium
- 271.Z5 Zinc
- Mine examination and valuation. Mine selling
- 272 General works
- 272.7 Statistical methods. Kriging
- 273 Mine surveying. Mine maps
- Construction of mine structures, buildings, etc. see TH4561
- 274 Mine organization and management
 - For the organization and management of special types of mines see TN400+
- Practical mining operations
- 275.A1 Periodicals, societies, etc.
- 275.A2-Z General works
- 276 Automation

- Practical mining operations -- Continued
- 277 Excavating and quarrying
- 278 Hydraulic mining
- 278.3 In situ processing (Mining)
Cf. TP759 Underground coal gasification
- 278.5 Solution mining
- 279 Drilling and blasting
For use of explosives in coal mines see TN803
- 281 Deep boring
- 281.5 Borehole mining
- 283 Shaft sinking
- 285 Tunneling, drifting
- 286 Longwall mining
- 287 Stopping
Ground control. Ground support
- 288 General works
- 289 Timbering
- 289.3 Mine roof bolting
- 289.5 Concrete mine supports
- 289.8 Pillaring
- 290 Mine filling
- 291 Open working. Strip mining
Cf. QH545.S84 Ecology
Cf. TD195.S75 Environmental technology
- Mining in extreme environments
- 291.24 General works
- 291.26 Cold weather conditions
Outer space. Space mining
- 291.3 General works
- 291.35 Lunar mining
- 291.5 Underwater mining. Ocean mining
Cf. TD195.O25 Environmental technology
- 292 General special
- 295 Safety measures
Cf. HD7269.A+ Labor hygiene
- 297 Rescue work, stations, first aid, etc.
- 300 Mine sanitation
- Ventilation of mines
- 301 General works
- 303 Ventilating appliances and machines
- 304 Stoppings
Gases in mines. Firedamp
Cf. TN844+ Coalbed methane
- 305 General works
- 306 Gases resulting from use of explosives
- Lighting of mines
- 306.5 General works

- Ventilation and lighting of mines
- 307 Miners' lamps. Safety lamps
- 309 Electric lighting of mines
 - Cf. TK4399.C6 Electric lighting of coal preparation plants
- Dangers and accidents in mines and quarries
 - Cf. TN802+ Coal mines and mining
- 311 General works
- 312 Mine dusts
- 313 Explosions
- 315 Fires
- 317 Falls of roof, etc.
- 318 Flooding
- 318.5 Spoil bank failures
- 319 Mine subsidences
- 319.5 Tailings dam failures
- 320 Machinery
- Mine drainage
- 321 General works
- 325 Mine pumps
- Mine transportation, haulage and hoisting
- 331 General works
- 332 Aerial tramways
- 333 Underground roads
- 335 Mechanical haulage
- 336 Mine railroads, tracks, etc.
- 337 Electric mine locomotives and their use
- 338 Gasoline engines
- Hoists and elevators
- 339 General works
- 340.A-Z Special apparatus. By place, A-Z
- 341 Surface transportation
- 342 Mine and ore cars
- 343 Electrical engineering and equipment
 - For electric lighting of mines see TN309
- 344 Mine communication systems
- Mining machinery, tools, appliances, etc.
 - For coal mining machinery see TN813+
 - Cf. TN320 Mining accidents
- 345 General works
- 347 Catalogs
- 380.A-Z General mining and smelting companies, A-Z
- Ore deposits and mining of particular metals
 - Including mining and smelting companies
 - For extraction of particular metals from their ores, see TN703-TN799
 - For prospecting see TN270+
- Iron ore deposits and mining

Ore deposits and mining of particular metals

Iron ore deposits and mining -- Continued

- 400 General works
- 401 General special
- 402.A-Z Individual ores, A-Z
 - Prefer classification by country
- 402.H4 Hematite
- 402.M3 Magnetite
- 402.S5 Siderite
- 402.T3 Taconite
- Special countries
 - America
 - 403.A1 General works
 - United States
 - 403.A5 General works
 - 403.A6-.W States, A-W
 - 403.Z6A-.Z6Z Special companies. By name, A-Z
 - 404.A-Z Other countries, A-Z
 - Subarrange each country by Table T4a
 - Europe
 - 405.A1 General works
 - 405.A4-Z Special countries, A-Z
 - Subarrange each country by Table T4a
 - Asia
 - 406.A1 General works
 - 406.A4-Z Special countries, A-Z
 - Subarrange each country, island, etc., by Table T4a
 - Africa
 - 407.A1 General works
 - 407.A4-Z Special countries, A-Z
 - Subarrange each country, island, etc., by Table T4a
 - Australia, Oceania, etc.
 - 408.A1 General works
 - 408.A4-Z Special countries or islands, A-Z
 - Subarrange each country or island by Table T4a
 - 409.A-Z Companies outside of United States. By name of company, A-Z
 - For special companies in the United States see TN403.Z6A+
 - Gold and silver ore deposits and mining. Precious metals
 - 410 General works
 - 411 General special
 - Special countries
 - America
 - 413.A1 General works
 - United States
 - 413.A5 General works

- Ore deposits and mining of particular metals
 - Gold and silver ore deposits and mining. Precious metals
 - Special countries
 - America
 - United States -- Continued
 - States, A-W
 - 413.A6-.W
 - Special companies. By name, A-Z
 - 413.Z6A-.Z6Z
 - Other countries, A-Z
 - 414.A-Z
 - Subarrange each country by Table T4a
 - Europe
 - General works
 - 415.A1
 - Special countries, A-Z
 - 415.A4-Z
 - Subarrange each country by Table T4a
 - Asia
 - General works
 - 416.A1
 - Special countries, A-Z
 - 416.A4-Z
 - Subarrange each country by Table T4a
 - Africa
 - General works
 - 417.A1
 - Special countries, A-Z
 - 417.A4-Z
 - Subarrange each country by Table T4a
 - Australia, Oceania, etc.
 - General works
 - 418.A1
 - Special countries or islands, A-Z
 - 418.A4-Z
 - Subarrange each country or island by Table T4a
 - Companies outside of United States. By name of company, A-Z
 - 419.A-Z
 - For special companies in the United States see TN413.Z6A+
 - Gold ore deposits and mining
 - General works
 - 420
 - Hydraulic and placer mining
 - 421
 - Other methods
 - 422
 - Including gold dredging
 - Special countries
 - America
 - General works
 - 423.A1
 - United States
 - General works
 - 423.A5
 - States, A-W
 - 423.A6-.W
 - Special companies. By name, A-Z
 - 423.Z6A-.Z6Z
 - Other countries, A-Z
 - 424.A-Z
 - Subarrange each country by Table T4a
 - Europe
 - General works
 - 425.A1
 - Special countries, A-Z
 - 425.A4-Z
 - Subarrange each country by Table T4a

- Ore deposits and mining of particular metals
 Gold and silver ore deposits and mining. Precious metals
 Gold ore deposits and mining
 Special countries -- Continued
- Asia
- 426.A1 General works
 426.A4-Z Special countries, A-Z
 Subarrange each country by Table T4a
- Africa
- 427.A1 General works
 427.A4-Z Special countries, A-Z
 Subarrange each country by Table T4a
- Australia, Oceania, etc.
- 428.A1 General works
 428.A4-Z Special countries or islands, A-Z
 Subarrange each country or island by Table T4a
- 429.A-Z Companies outside of United States. By name of
 company, A-Z
 For special companies, United States see
 TN423.Z6A+
- Silver ore deposits and mining
- 430 General works
 431 General special
 432.A-Z Individual ores, A-Z
 Prefer classification by country
- 432.S7 Stephanite
- Special countries
- America
- 433.A1 General works
 United States
 433.A5 General works
 433.A6-.W States, A-W
 433.Z6A-.Z6Z Special companies. By name, A-Z
 434.A-Z Other countries, A-Z
 Subarrange each country by Table T4a
- Europe
- 435.A1 General works
 435.A4-Z Special countries, A-Z
 Subarrange each country by Table T4a
- Asia
- 436.A1 General works
 436.A4-Z Special countries, A-Z
 Subarrange each country by Table T4a
- Africa
- 437.A1 General works
 437.A4-Z Special countries, A-Z
 Subarrange each country by Table T4a

- Ore deposits and mining of particular metals
 - Gold and silver ore deposits and mining. Precious metals
 - Silver ore deposits and mining
 - Special countries -- Continued
 - Australia, Oceania, etc.
 - 438.A1 General works
 - 438.A4-Z Special countries or islands, A-Z
 - Subarrange each country or island by Table T4a
 - 439.A-Z Companies outside of United States. By name of company, A-Z
 - For special companies in the United States see TN433.Z6A+
 - Copper ore deposits and mining
 - 440 General works
 - 441 General special
 - 442.A-Z Individual ores, A-Z
 - Prefer classification by country
 - 442.C5 Chalcopyrite
 - Special countries
 - America
 - 443.A1 General works
 - United States
 - 443.A5 General works
 - 443.A6-.W States, A-W
 - 443.Z6A-.Z6Z Special companies. By name, A-Z
 - 444.A-Z Other countries, A-Z
 - Subarrange each country by Table T4a
 - Europe
 - 445.A1 General works
 - 445.A4-Z Special countries, A-Z
 - Subarrange each country by Table T4a
 - Asia
 - 446.A1 General works
 - 446.A4-Z Special countries, A-Z
 - Subarrange each country by Table T4a
 - Africa
 - 447.A1 General works
 - 447.A4-Z Special countries, A-Z
 - Subarrange each country by Table T4a
 - Australia, Oceania, etc.
 - 448.A1 General works
 - 448.A4-Z Special countries or islands, A-Z
 - Subarrange each country or island by Table T4a
 - 449.A-Z Companies outside of United States. By name of company, A-Z
 - For special companies in the United States see TN443.Z6A+

Ore deposits and mining of particular metals -- Continued

Lead ore deposits and mining

- 450 General works
 451 General special
 452.A-Z Individual ores, A-Z
 Prefer classification by country
 452.C4 Cerussite
 452.G3 Galena
 Special countries
 America
 453.A1 General works
 United States
 453.A5 General works
 453.A6-.W States, A-W
 453.Z6A-.Z6Z Special companies. By name, A-Z
 454.A-Z Other countries, A-Z
 Subarrange each country by Table T4a
 Europe
 455.A1 General works
 455.A4-Z Special countries, A-Z
 Subarrange each country by Table T4a
 Asia
 456.A1 General works
 456.A4-Z Special countries, A-Z
 Subarrange each country by Table T4a
 Africa
 457.A1 General works
 457.A4-Z Special countries, A-Z
 Subarrange each country by Table T4a
 Australia, Oceania, etc.
 458.A1 General works
 458.A4-Z Special countries or islands, A-Z
 Subarrange each country or island by Table T4a
 459.A-Z Companies outside of United States. By name of
 company, A-Z
 For special companies in the United States see
 TN453.Z6A+
- Mercury ore deposits and mining
- 460 General works
 461 General special
 462.A-Z Individual ores, A-Z
 Prefer classification by country
 462.C5 Cinnabar
 Special countries
 America
 463.A1 General works
 United States

Ore deposits and mining of particular metals

Mercury ore deposits and mining

Special countries

America

United States -- Continued

463.A5

General works

463.A6-.W

States, A-W

463.Z6A-.Z6Z

Special companies. By name, A-Z

464.A-Z

Other countries, A-Z

Subarrange each country by Table T4a

Europe

465.A1

General works

465.A4-Z

Special countries, A-Z

Subarrange each country by Table T4a

Asia

466.A1

General works

466.A4-Z

Special countries, A-Z

Subarrange each country by Table T4a

Africa

467.A1

General works

467.A4-Z

Special countries, A-Z

Subarrange each country by Table T4a

Australia, Oceania, etc.

468.A1

General works

468.A4-Z

Special countries or islands, A-Z

Subarrange each country by Table T4a

469.A-Z

Companies outside of United States. By name of company, A-Z

For special companies, United States see

TN463.Z6A+

Tin ore deposits and mining

470

General works

471

General special

472.A-Z

Individual ores, A-Z

Prefer classification by country

472.C3

Cassiterite

Special countries

America

473.A1

General works

United States

473.A5

General works

473.A6-.W

States, A-W

473.Z6A-.Z6Z

Special companies. By name, A-Z

474.A-Z

Other countries, A-Z

Subarrange each country by Table T4a

Europe

475.A1

General works

Ore deposits and mining of particular metals

Tin ore deposits and mining

Special countries

Europe -- Continued

475.A4-Z

Other countries, A-Z

Subarrange each country by Table T4a

Asia

476.A1

General works

476.A4-Z

Other countries, A-Z

Subarrange each country by Table T4a

Africa

477.A1

General works

477.A4-Z

Other countries, A-Z

Subarrange each country by Table T4a

Australia, Oceania, etc.

478.A1

General works

478.A4-Z

Special countries or islands, A-Z

Subarrange each country or island by Table T4a

479.A-Z

Companies outside of United States. By name of company, A-Z

For special companies in the United States see

TN473.Z6A+

Zinc ore deposits and mining

480

General works

481

General special

482.A-Z

Individual ores, A-Z

Prefer classification by country

482.S6

Sphalerite

Special countries

America

483.A1

General works

United States

483.A5

General works

483.A6-.W

States, A-W

483.Z6A-.Z6Z

Special companies. By name, A-Z

484.A-Z

Other countries, A-Z

Subarrange each country by Table T4a

Europe

485.A1

General works

485.A4-Z

Other countries, A-Z

Subarrange each country by Table T4a

Asia

486.A1

General works

486.A4-Z

Other countries, A-Z

Subarrange each country by Table T4a

Africa

487.A1

General works

Ore deposits and mining of particular metals

Zinc ore deposits and mining

Special countries

Africa -- Continued

487.A4-Z

Other countries, A-Z

Subarrange each country by Table T4a

Australia, Oceania, etc.

488.A1

General works

488.A4-Z

Special countries or islands, A-Z

Subarrange each country or island by Table T4a

489.A-Z

Companies outside of United States. By name of

company, A-Z

For special companies, United States see

TN483.Z6A+

490.A-Z

Other metals, A-Z

Class individual ores of particular metals with the metal

490.A2

Rare metals. Rare earths (General)

490.A3

Radioactive minerals

490.A5

Aluminum. Bauxite

490.A6

Antimony

490.A8

Arsenic

490.B2

Barium

Bauxite see TN490.A5

490.B4

Beryllium

490.B6

Bismuth

490.C2

Cadmium

490.C4

Chromium

490.C6

Cobalt

490.G4

Germanium

490.I6

Indium

490.L5

Lithium

490.M2

Magnesium

490.M3

Manganese

490.M7

Molybdenum

490.N6

Nickel

490.N65

Niobium

490.P7

Platinum and platinum group

490.R3

Radium

Rare earths and metals see TN490.A2

490.R48

Rhenium

490.R8

Rubidium

490.S4

Scandium

490.S8

Strontium

490.T2

Tantalum

490.T5

Tellurium

490.T55

Thorium

490.T6

Titanium

Ore deposits and mining of particular metals

Other metals, A-Z -- Continued

- 490.T9 Tungsten (Wolfram)
- 490.U7 Uranium
 - Cf. TN490.A3 Radioactive minerals
- 490.V2 Vanadium
- 490.Z5 Zirconium
- 495.A-Z Metallic compounds, A-Z
- 495.S9 Sulfides
- Ore dressing and milling
 - For specific ores prefer classification by ore; see TN538.A+
- 496 Periodicals. Societies. Serials
- 497 Congresses
- 500 General works
- 501 Addresses, essays, lectures
- 502 Dictionaries and encyclopedias
- 504 Plants and equipment
- Milling machinery
 - Cf. TJ1345 Mechanical engineering
- 505 General works
- 507 Trade catalogs
- 510 Crushing. Rolls, stamps, breakers
- 515 Screening and sorting. Screens, classifiers
- Concentrating. Jigs, tables, vanners
- 520 General works
- 523 Flotation
- 525 Slime treatment
- 530 Magnetic separation
- 531 Dielectric separation
- 535 General special
 - Including dewatering
- 538.A-Z Individual ores, A-Z
- 538.A55 Aluminum
- 538.A57 Antimony ores
- 538.C57 Chromium
- 538.C66 Copper
- 538.C9 Cyanite
- 538.G64 Gold
- 538.I7 Iron
- 538.M35 Manganese
- 538.N6 Nonferrous metals
- 538.P43 Phosphates
- 538.P53 Platinum
- 538.P6 Potassium
- 538.S84 Sulfides
- 538.T55 Tin

- Ore deposits and mining of particular metals
 - Ore dressing and milling
 - Individual ores, A-Z -- Continued
 - 538.T57 Titanium
 - 538.T74 Troilite
 - 538.U7 Uranium
 - Assaying
 - Cf. HG325+ Money
 - 550 General works
 - 555 General special
 - 560 Sampling of ores
 - Cf. TN272+ Mine examination and valuation
 - 565 Metallurgical analysis
 - Metallurgical and assay laboratories
 - 570 General works
 - 571.A-Z Special laboratories. By place, A-Z
 - 575 Assaying apparatus
 - 580.A-Z Assaying of special substances, A-Z
 - Including the analysis of ores
 - 580.C5 Chromium
 - 580.C64 Copper
 - 580.G6 Gold and gold ores
 - 580.H43 Heavy metals
 - 580.I8 Iron and iron ores
 - 580.M3 Manganese
 - 580.M4 Mercury
 - 580.N6 Nonferrous metals
 - 580.P7 Platinum
 - 580.P74 Precious metals
 - 580.R48 Rhenium
 - 580.S5 Silver
 - 580.T5 Tin ores
 - 580.T73 Trace elements
 - Metallurgy
 - Cf. TA459+ Properties of metals
 - Cf. TS200+ Metal manufactures
 - 600 Periodicals, societies, etc.
 - 605 Congresses
 - 607 Collected works (nonserial)
 - 609 Dictionaries and encyclopedias
 - Communication of metallurgical information
 - 610 General works
 - 610.5 Metallurgical literature
 - 612 Directories
 - History
 - 615 General works
 - 616 Ancient

Metallurgy

History -- Continued

- 617 Medieval
- 618 Modern
- 619 19th century
- 620 20th century
- Special countries
- 621 America
 - United States
 - 623 General works
 - 624.A-W States, A-W
 - Canada
 - 626 General works
 - 627.A-Z Special divisions, A-Z
 - 629 Latin America (General)
 - Mexico
 - 630 General works
 - 631.A-Z Special divisions, A-Z
 - Central America
 - 632 General works
 - 633.A-Z Special countries, A-Z
 - West Indies
 - 635 General works
 - 636.A-Z Special islands, A-Z
 - South America
 - 638 General works
 - 639.A-Z Special countries, A-Z
 - Europe
 - 641 General works
 - 642.A-Z Special countries, A-Z
 - 643 Eurasia
 - Asia
 - 644 General works
 - 645.A-Z Special countries, A-Z
 - Africa
 - 647 General works
 - 648 South Africa
 - 649.A-Z Special countries, A-Z
 - Australia
 - 651 General works
 - 652.A-Z By state, A-Z
 - Pacific islands
 - 654 General works
 - 655.A-Z Special islands, A-Z
- Biography see TN139+
- General works
- 664 Early to 1800

Metallurgy

General works -- Continued

- 665 1800-
- 667 Popular works. Juvenile works
- 669 Laboratory manuals
- 671 Pocketbooks, tables, etc.
- 672 Heat treatment of metals
- 673 General special
- 675 Addresses, essays, lectures
- 675.3 Study and teaching
 - Cf. TN207 Metallurgical research
- 675.4 Information services
- Metallurgical plants
- 675.5 General works
- 675.7 Management
 - Accidents and their prevention. Safety measures
 - Cf. HD7269.A+ Labor hygiene
- 676.A1 General works
- 676.A3 United States
- 676.A5-Z Other countries, A-Z
- Special equipment
- Metallurgical furnaces
- 677 General works
- 677.5 Refractory materials
- 678 Plasma jets
- 678.5 Reagents
- Electrometallurgy
 - For applications to special metals, see the metal, e.g. TN706,
 - Iron and steel
 - Cf. TS670+ Electroplating
- 681 Periodicals, societies, etc.
- 683 Congresses
- 685 General works
- 686 General special
- 686.5.A-Z Special processes, A-Z
- 686.5.E4 Electroslag process
- 686.5.V3 Vacuum metallurgy
- 686.5.Z6 Zone melting
 - Cf. TP156.Z6 Chemical engineering
- 687 Special equipment
 - Including electric furnaces
- Hydrometallurgy
- 688 General works
- 688.3.A-Z Special processes, A-Z
- 688.3.B33 Biotechnology
 - Including bacterial leaching
- 688.3.H4 Heap leaching

Metallurgy

Hydrometallurgy

Special processes, A-Z -- Continued

688.3.I65

Ion exchange process

688.5

Pyrometallurgy

Metallography. Physical metallurgy

Cf. QC176+ Solid state physics

Cf. QD478 Solid state chemistry

Cf. QD506+ Surface chemistry

Cf. QD901+ Crystallography

Cf. TA483+ General properties of alloys

Cf. TS650 Manufacture of alloys

689

Periodicals, societies, etc.

689.2

Congresses

689.4

Dictionaries and encyclopedias

690

General works

690.2

Addresses, essays, lectures

690.4

Handbooks, manuals, etc.

Study and teaching

690.6

General works

690.65

Fieldwork

690.7

Metallographic specimens

693.A-Z

Special metals, A-Z

Including alloys

693.A4

Alkali metals

693.A5

Aluminum

693.A54

Americium

693.B4

Beryllium

693.B5

Bismuth

693.B6

Boron alloys

693.C5

Chromium

693.C8

Cobalt

693.C9

Copper (Bronze)

693.F7

Friction metals

693.G6

Gold

693.H4

Heat resistant metals

693.I7

Iron and steel

693.L4

Lead

Light metals and alloys see TN693.N6

693.M3

Magnesium

693.M35

Manganese

693.M38

Metallic composites

693.M4

Metallic glasses

Mischmetal see TN693.R3

693.M64

Molybdenum

693.N5

Nickel

693.N6

Nonferrous metals

Metallurgy

Metallography. Physical metallurgy

Special metals, A-Z -- Continued

- 693.P3 Palladium
 693.P55 Platinum
 693.P7 Precious metals
 693.R3 Rare earth metal alloys
 Including Mischmetal
 Refractory transition metal compounds see TN693.T7
 693.R45 Rhenium
 693.S5 Silver
 693.S9 Superconductors
 693.T34 Tantalum
 693.T4 Tellurium
 693.T45 Thorium
 693.T5 Titanium
 693.T7 Transition metal compounds
 Including refractory transition metal compounds
 693.T94 Tungsten
 693.U7 Uranium
 693.V3 Vanadium
 693.Z5 Zirconium

Powder metallurgy

Cf. TS245 Manufactures

- 695 General works
 697.A-Z Special metals, A-Z
 697.A47 Aluminum
 697.C65 Copper
 697.H4 Heat resistant alloys
 697.I7 Iron and steel
 697.T5 Titanium
 697.Z54 Zinc
 698 Mechanical alloying
 700 Metallurgy of heat resistant alloys
 Metallurgy of ferrous metals
 Iron and steel
 Cf. TA464+ Properties
 Cf. TS300+ Manufactures
 Periodicals and societies see TS300
 701.5 Congresses
 702 Dictionaries and encyclopedias
 Directories see TS301
 703 History
 704.A-Z Special countries, A-Z
 Subarrange each country by Table T4a
 705 General works
 706 Electric processes

Metallurgy

Metallurgy of ferrous metals

Iron and steel -- Continued

| | |
|---------|--|
| 706.5 | Pyrometallurgy |
| 707 | General special |
| | Including slag |
| 708 | Patents |
| | Cast iron. Pig iron |
| 710 | General works |
| | Blast furnaces |
| 713 | General works |
| 715 | Hot blast. Dry-air blast |
| | Cf. TS231 Cupola furnaces |
| 718 | Utilization of waste heat, gas, etc. |
| 719 | Malleable cast iron |
| 719.5 | Nodular iron |
| | Wrought iron |
| 720 | General works |
| 723 | Direct processes |
| 725 | Refinery processes. Puddling and puddling furnaces |
| 727 | Sponge iron |
| | Steel |
| 730 | General works |
| 731 | General special |
| | Including temperature measurements |
| 732 | Popular works. Juvenile works |
| | Special processes |
| 733 | Direct processes |
| 734 | Cementation processes |
| 735 | Crucible process |
| | Bessemer process |
| 736 | General works |
| 737 | Acid Bessemer process |
| 738 | Basic Bessemer process |
| | Open hearth or Siemens process |
| 740 | General works |
| 741 | Acid open hearth process |
| 742 | Basic open hearth process |
| 745 | Electric furnace processes |
| 746 | Ladle metallurgy |
| 747 | Oxygen steelmaking |
| 750 | Other processes. Continuous ingot casting, etc. |
| | Heat treatment |
| 751 | General works |
| 752.A-Z | Special processes, A-Z |
| 752.A5 | Annealing |
| 752.C3 | Case hardening. Nitriding |

Metallurgy

Metallurgy of ferrous metals

Iron and steel

Steel

Heat treatment

Special processes, A-Z -- Continued

752.C5

Chromizing

752.F4

Flame hardening

752.I5

Induction hardening

Nitriding see TN752.C3

752.Q4

Quenching

752.S8

Surface hardening

752.T4

Tempering

752.T54

Thermomechanical treatment

755.A-Z

Special plants and works, A-Z

Iron and steel alloys

Class here production only

For properties, strength, etc. see TA464+

For microscopic examination see TN689+

756

General works

757.A-Z

Special alloys, A-Z

Aluminum see TN775

757.B6

Boron steel

757.C35

Calcium steel

757.C48

Chrome-manganese steel

757.C49

Chrome-nickel steel

757.C5

Chrome steel. Stainless steel

757.F25

Ferrochromium

757.F3

Ferromanganese

757.F33

Ferronickel

757.F4

Ferrosilicon

757.M3

Manganese steel

757.M7

Molybdenum steel

757.N5

Nickel steel

757.N6

Nickel chromium alloys

757.N66

Nitrogen

757.S45

Semikilled steel

757.S7

Spiegel iron

Stainless steel see TN757.C5

757.T5

Titanium steel

757.T9

Tungsten steel

757.U7

Uranium steel

757.V3

Vanadium steel

Metallurgy of nonferrous metals

General works

758

Heat treatment

758.3

Individual plants and works, A-Z

758.4.A-Z

Metallurgy

Metallurgy of nonferrous metals -- Continued

Precious metals

- 759 General works
- Gold and silver
- 760 General works
- 761 General special
- 761.5 Popular works
- 761.6 Juvenile works
- 762 Milling
- Special processes
- 763 Amalgamation
- 765 Chlorination
- 767 Cyanide process
- 768 Electric processes
- 769 Other special processes
- 770 Silver and lead
- For lead alone see TN785

Light metals

- 773 General works
- 775 Aluminum and its alloys
- 780 Copper
- 785 Lead
- 790 Mercury
- 793 Tin
- 796 Zinc

Minor metals

- 798 Collectively
- 799.A-Z Special metals, A-Z
- 799.A6 Antimony
- 799.B4 Beryllium
- 799.B5 Bismuth
- 799.C2 Cadmium
- 799.C25 Calcium
- 799.C4 Cesium
- 799.C5 Chromium
- 799.C6 Cobalt
- 799.G3 Gallium
- 799.G4 Germanium
- 799.I5 Indium
- 799.L57 Lithium
- 799.M2 Magnesium
- 799.M3 Manganese
- 799.M7 Molybdenum
- 799.N47 Neodymium
- 799.N5 Neptunium
- 799.N6 Nickel

Metallurgy

Metallurgy of nonferrous metals

Minor metals

Special metals, A-Z -- Continued

| | |
|---------|-------------------------|
| 799.N7 | Niobium |
| 799.P34 | Palladium |
| 799.P7 | Platinum |
| 799.P74 | Plutonium |
| 799.R37 | Rare earth metal alloys |
| 799.R45 | Rhenium |
| 799.R5 | Rhodium |
| | Selenium see TN948.S4 |
| 799.T3 | Tantalum |
| 799.T4 | Thorium |
| 799.T5 | Titanium |
| 799.T9 | Tungsten |
| 799.U7 | Uranium |
| 799.V3 | Vanadium |
| 799.Z5 | Zirconium |

Nonmetallic minerals

Including deposits and associated mining industries

For prospecting see TN270+

799.5

General works

By region or country

United States

799.6.A1

General works

799.6.A2-Z

By region or state, A-Z

799.7.A-Z

Other regions or countries, A-Z

Subarrange each country by Table T4a

Coal

799.9

Periodicals, societies, etc.

799.95

Dictionaries and encyclopedias

800

General works

801

Elementary and popular works

Mines and mining

For practical mining operations see TN275+

For safety measures see TN295

For ventilation see TN301+

For lighting see TN306.5+

802

General works

803

General special

Including use of explosives

Special countries

Including geology of coal deposits in the region or country

America

805.A1

Periodicals, societies, etc.

805.A2

General works

Nonmetallic minerals

Coal

Mines and mining

Special countries

America -- Continued

United States

- 805.A3 Periodicals, societies, etc.
- 805.A4 Directories
- 805.A5 General works
- 805.A6-.W Individual states, A-W
- 805.Z6A-.Z6Z Individual companies. By name, A-Z
- 806.A-Z Other countries, A-Z
 - Subarrange each country by Table T4a
- 807.A-Z American companies outside of United States, A-Z

Europe

- 808.A1 General works
- 808.A4-.Z5 Special countries, A-Z
 - Subarrange each country by Table T4a
- 808.Z6A-.Z6Z Special companies. By name, -Z

Asia

- 809.A1 General works
- 809.A4-.Z5 Special countries, A-Z
 - Subarrange each country by Table T4a
- 809.Z6A-.Z6Z Special companies. By name, A-Z

Africa

- 810.A1 General works
- 810.A4-.Z5 Special countries, A-Z
 - Subarrange each country by Table T4a
- 810.Z6A-.Z6Z Special companies. By name, A-Z

Australia, Oceania, etc.

- 811.A1 General works
- 811.A4-.Z5 Special countries, A-Z
 - Subarrange each country by Table T4a
- 811.Z6A-.Z6Z Special companies. By name, A-Z

- 812 Arctic regions and Antarctica
 - Including Spitzbergen, Bear Island, etc.

Coal mining machinery, etc.

- 813 General works
- 814 Catalogs
- 815 Coal-handling machinery for colliery purposes
 - For machinery for handling coal commercially see TJ1405

Coal preparation, washing, screening, etc.

- 816.A1 Periodicals, societies, etc.
 - 816.A3-Z General works
 - 817 Coal storage, weathering, etc.
- Underground gasification see TP759

Nonmetallic minerals

Coal -- Continued

Anthracite

- 820 General works
823.A-Z Special countries, A-Z

Bituminous coal

- 825 General works
Special countries see TN805+

- 827 Cannel coal

Subbituminous coal

- 828 General works
830.A-Z Special countries, A-Z

Lignite. Brown coal

- 831 General works
834.A-Z Special countries, A-Z

Peat

- 837 General works
840.A-Z Special countries, A-Z
841 Peat machinery
842 Peat straw, peat mull, etc.

Coalbed methane

- Cf. TN305+ Mine safety
Cf. TP761.M4 Gas industry

- 844 Periodicals, societies, etc.

- 844.5 General works

By region or country

United States

- 844.6 General works
844.62.A-Z By region or state, A-Z

- 844.7.A-Z Other regions or countries, A-Z

Other natural carbons and hydrocarbons

- 845 Graphite

- 847 Schungite

- 850 Bitumen

- 851 Sapropel

- 853 Asphalt

Including uses

- 857 Ozokerite, ceresin, natural paraffin

Cf. TP695 Chemical technology

Oil shales

Cf. TP699 Chemical technology

- 858.A1 Periodicals, societies, etc.

- 858.A2-Z General works

- 859.A-Z Special countries, A-Z

Subarrange each country by Table T4a

Nonmetallic minerals

Other natural carbons and hydrocarbons -- Continued

Petroleum. Petroleum engineering

Cf. HD9560+ Petroleum trade

Cf. TP690+ Refining, etc.

- 860 Periodicals, societies, etc.
- (862) Yearbooks
 - see TN860
- 863 Congresses
- 864 Collected works (nonserial)
- 865 Dictionaries and encyclopedias
- 867 Directories
- Biography
 - 869 Collective
 - 869.2.A-Z Individual, A-Z
- 870 General works
- 870.3 Juvenile works
- Origin and composition. Petroleum geology
 - For petroleum geology of specific regions or countries see TN872+
 - For analysis and testing see TP691
- 870.5 General works
- 870.515 Brines. Groundwater. Water chemistry
- 870.52 Capillarity
- 870.53 Mathematical modelling
- 870.54 Oil sands
- 870.55 Remote sensing
- 870.56 Rock mechanics
- 870.57 Traps. Reservoirs
- Prospecting see TN271.P4
- 871 General special
 - Including well testing, storage, diffusion, etc.
- 871.15 Addresses, essays, lectures
- 871.18 Reservoir oil pressure
- Well drilling
 - 871.2 General works
 - 871.215 Blowouts
 - 871.22 Casing
 - 871.23 Directional drilling
 - 871.24 Formation damage
 - 871.25 Horizontal well drilling
 - 871.26 Managed pressure drilling
 - 871.27 Muds. Fluids
 - 871.3 Offshore well drilling
 - 871.33 Underbalanced drilling
- 871.35 Well logging
- 871.37 Secondary recovery of oil

Nonmetallic minerals

Other natural carbons and hydrocarbons

Petroleum. Petroleum engineering -- Continued

- 871.4 Mobile offshore structures
- 871.5 Petroleum and gas well supplies
 - Including catalogs
- Special countries
 - Including geology of petroleum deposits in the region or country
- America
 - 872.A2 General works
 - By region or country
 - United States
 - 872.A3-.A34 Periodicals, societies, congresses, etc.
 - Documents
 - 872.A35-.A44 Serials
 - 872.A45 Monographs
 - Arrange by date
 - Directories see TN867
 - 872.A5 General works
 - 872.A6-.W By state, A-W
 - 872.Z6A-.Z6Z Special companies. By name, A-Z
 - 873.A-Z Other regions or countries, A-Z
 - Subarrange each country by Table T4a
 - Europe
 - 874.A1 General works
 - 874.A4-Z Special countries, A-Z
 - Subarrange each country by Table T4a
 - 875 Caspian, Baku, etc.
 - Asia
 - 876.A1 General works
 - 876.A4-Z Special countries, A-Z
 - Subarrange each country by Table T4a
 - Africa
 - 877.A1 General works
 - 877.A4-Z Special countries, A-Z
 - Subarrange each country by Table T4a
 - Australia, Oceania, etc.
 - 878.A1 General works
 - 878.A6-Z Special countries or islands, A-Z
 - Subarrange each country or island by Table T4a
 - 878.2 Arctic regions
 - Including Greenland
 - 879 Oil companies outside of United States
 - Petroleum pipelines
 - Cf. TH9445.P38 Fire prevention and extinction
 - 879.5 General works

Nonmetallic minerals

Other natural carbons and hydrocarbons

Petroleum. Petroleum engineering

Petroleum pipelines -- Continued

- 879.52 Control
- 879.53 Design and construction
- 879.54 Equipment and supplies
- 879.55 Failure. Accidents. Leaks. Reliability
- 879.56 Fluid dynamics
- 879.57 Insulation. Heat transmission
- 879.58 Maintenance and repair
- 879.59 Safety measures
- 879.6 Welding

Natural gas

- 880.A1 Periodicals, societies, etc.
- 880.A3-Z General works
- 880.2 Gas well drilling
- 880.5 Natural gas pipelines
- Natural gas storage see TP756
- Underground natural gas storage see TP756.5
- United States
 - 881.A1 General works
 - 881.A2-.W Special states, A-W
 - 882.A-Z Other countries, A-Z
 - Subarrange each country by Table T4a
- 883 Helium in natural gas
- 884 Hydrates in natural gas
- 885 Amber, fossil gums, etc.
- 890 Sulfur

Alkalies

- Cf. TN919 Potassium salts
- Cf. TP222+ Chemical technology

- 895 General works
 - United States
 - 896.A1 General works
 - 896.A6-.W States, A-W
 - 897.A-Z Other countries, A-Z
 - Subarrange each country by Table T4a

Sodium salts. Soda deposits

- 899 General works
- Salt
 - Mining and manufacture
 - 900 General works
 - By region or country
 - United States
 - 902.A1 General works
 - 902.A2-.W By state, A-W

Nonmetallic minerals

Sodium salts. Soda deposits

Salt

Mining and manufacture

By region or country -- Continued

903.A-Z

Other regions or countries, A-Z

Subarrange each country by Table T4a

Manufacture

905

Sea water

907

Saline springs

909

Company prospectuses, etc.

Sodium sulfate see TN948.S7

911

Nitrates. Chile saltpeter

Cf. TP237+ Chemical technology

Phosphates

913

General works

914.A-Z

Special countries, A-Z

Subarrange each country by Table T4a

917

Borax and other borates

919

Potassium salts. Potash-bearing rocks and plants. Kelp

Cf. TP245.P8 Chemical technology

Mineral waters

Cf. GB1198+ Hot springs

Cf. RA794 Health resorts, spas, etc.

Cf. TP625 Artificial mineral waters

923

General works

United States

925

General works

926.A-W

Special states, A-W

927.A-Z

Other American countries, A-Z

Subarrange each country by Table T4a

Europe

928.A1

General works

928.A3-Z

By country, island, or region, A-Z

Subarrange each country or island by Table T4a

Asia

929.1.A1

General works

929.1.A3-Z

By country, island, region, A-Z

Subarrange each country or island by Table T4a

Africa

929.3.A1

General works

929.3.A3-Z

By country, island, region, A-Z

Subarrange each country or island by Table T4a

Australia

929.5.A1

General works

929.5.A3-Z

Local, A-Z

New Zealand

Nonmetallic minerals

Mineral waters

New Zealand -- Continued

929.6.A1

General works

929.6.A3-Z

Local, A-Z

Pacific islands

929.7.A1

General works

929.7.A3-Z

By country, island, region, A-Z

Subarrange each country or island by Table T4a

930

Asbestos

933

Mica

936

Abrasives. Emery, corundum, etc.

939

Sand and gravel

Clay

Cf. TP785+ Ceramic industries

941

General works

942

United States

943.A-Z

Other countries, A-Z

Subarrange each country by Table T4a

Structural materials in general see TN950+

945

Cement materials

946

Gypsum

Cf. TP888 Plaster and other gypsum products

948.A-Z

Other specific nonmetallic minerals, A-Z

Including minerals from which metals are not normally extracted

948.A5

Allanite

948.A6

Alunite

948.A65

Anhydrite

948.A7

Apatite

948.A76

Argillite

948.B18

Barite

948.B4

Bentonite

948.B45

Beryl

Calcite see TN967

948.C3

Carbonatites

948.C34

Carnallite

948.C5

Chalk. Whiting

948.C55

Chiolite

948.C6

Clinoptilolite

948.C72

Conglomerate

948.C73

Coprolites

948.C75

Cordierite

(948.C8)

Corundum

see TN936

948.C95

Cyanite

948.D49

Diaspore

948.D5

Diatomaceous earth

Nonmetallic minerals

Other specific nonmetallic minerals, A-Z -- Continued

| | |
|---------|------------------------|
| 948.D8 | Dumortierite |
| 948.F3 | Feldspar |
| 948.F45 | Fillers |
| 948.F5 | Flint |
| 948.F6 | Fluorspar |
| 948.F9 | Fullers' earth |
| | Garnet see TN997.G3 |
| 948.H3 | Halloysite |
| 948.L3 | Laterite |
| 948.L46 | Lime |
| 948.M2 | Magnesite |
| 948.M3 | Marl |
| 948.M5 | Meerschaum |
| 948.M7 | Monazite |
| 948.M72 | Montmorillonite |
| | Mordenite see TN948.Z4 |
| 948.M8 | Mullite |
| 948.M85 | Muscovite |
| 948.N37 | Nepheline syenite |
| 948.N4 | Nephelite (Nepheline) |
| 948.O2 | Ocher |
| 948.P25 | Palygorskite |
| 948.P38 | Pegmatites |
| 948.P4 | Perlite |
| 948.P5 | Pigments |
| 948.P74 | Pumice |
| 948.P8 | Pyrite |
| 948.P82 | Pyrochlore |
| 948.P85 | Pyrophyllite |
| 948.Q3 | Quartz |
| 948.R45 | Rhodonite |
| 948.S24 | Saprolites |
| 948.S4 | Selenium |
| 948.S45 | Serpentine |
| 948.S5 | Shale |
| | Cf. TN858+ Oil shales |
| 948.S6 | Silica |
| 948.S63 | Sillimanite |
| 948.S7 | Sodium sulfate |
| 948.S9 | Syenite |
| 948.T2 | Talc and soapstone |
| 948.T74 | Tripoli |
| 948.T76 | Trona |
| 948.T9 | Tysonite |
| 948.V4 | Vermiculite |

Nonmetallic minerals

Other specific nonmetallic minerals, A-Z -- Continued

Whiting see TN948.C5

948.W6

Wollastonite

948.Z4

Zeolites. Mordenite

Building and ornamental stones

Cf. TA426+ General properties, testing, etc.

Cf. TA670+ Stonemasonry and stonecutting

950.A1

Periodicals, societies, etc.

950.A5-Z

General works

Special countries

America

951.A1

General works

United States

951.A5

General works

951.A6-.W

Special states, A-W

952.A-Z

Other American countries, A-Z

Europe

953.A1

General works

953.A3-Z

Special countries, A-Z

Asia

954.A1

General works

954.A3-Z

Special countries, A-Z

Africa

955.A1

General works

955.A3-Z

Special countries, A-Z

Australia. Oceania

956.A1

General works

956.A3-Z

Special countries, A-Z

Special stones

957

Sandstone

958

Slate

Soapstone see TN948.T2

967

Limestone. Marble

970

Granite

973

Other building stones

Stones for roadmaking see TE200+

Ornamental stones. Gems

980

General works

Special countries

America

981.A1

General works

United States

981.A5

General works

981.A6-.W

Special states, A-W

982.A-Z

Other American countries, A-Z

Europe

Building and ornamental stones

Ornamental stones. Gems

Special countries

Europe -- Continued

983.A1

General works

983.A3-Z

Special countries, A-Z

Asia

984.A1

General works

984.A3-Z

Special countries, A-Z

Africa

985.A1

General works

985.A3-Z

Special countries, A-Z

Australia. Oceania

986.A1

General works

986.A3-Z

Special countries, A-Z

989.A-Z

Special ornamental stones (other than gems), A-Z

989.A3

Alabaster

989.B55

Blue john

Diamonds

990

General works

South Africa

991

General works

992

Company reports, etc.

993

United States

994.A-Z

Other special countries, A-Z

997.A-Z

Other precious and semiprecious stones, A-Z

997.A35

Agates

997.E5

Emeralds

997.G3

Garnets

997.J3

Jade

997.M35

Malachite

997.O7

Opals

997.S24

Sapphires

- Chemical technology
 Cf. HD9000+ Economics
- 1 Periodicals, societies, etc.
- 5 Congresses
 Exhibitions. Museums
- 6.A1 General works
- 6.A2-Z By region or country, A-Z
 Subarrange each country by Table T4b
- 7 Collected works (nonserial)
- 9 Dictionaries and encyclopedias
- 12 Directories
- History
- 15 General works
- 16 Ancient
- 17 Medieval
- 18 Modern
- 19 Nineteenth century
- 20 Twentieth century
- 21-127 Country divisions (Table T1a)
 Add country number in table to TP0
- 130.A-Z Special companies, A-Z
 Including history, description, etc.
- Biography
- 139 Collective
- 140.A-Z Individual, A-Z
- General works
- 144 Early to 1900
- 145 1900-
- 146 Elementary works
- 147 Popular works
- Addresses, essays, lectures see TP185
- 149 General special
- 150.A-Z Special aspects of the subject as a whole, A-Z
- 150.A23 Accidents. Disasters
 For works on accidents in specific places see TP21+
- 150.A88 Automation
 Data processing see TP184
 Disasters see TP150.A23
- 150.Q34 Quality control
- 150.S24 Safety measures
- 151 Tables, pocketbooks, etc.
 Cf. T49 Technical receipts
- Chemical engineering
 For chemical engineering aspects of atomic power see
 TK9350
- 155 General works
- 155.2.A-Z Special aspects of the subject as a whole, A-Z

- Chemical engineering
Special aspects of the subject as a whole, A-Z -- Continued
Data processing see TP184
- 155.2.E58 Environmental chemistry. Green chemistry
Green chemistry see TP155.2.E58
- 155.2.M34 Markov processes
- 155.2.M35 Mathematical models
- 155.2.M36 Mathematics
- 155.2.T45 Thermodynamics
- Chemical plants
Cf. TH4524 Building construction
- 155.5 General works
- 155.6 Management
- Chemical processes
- 155.7 General works
- 155.75 Chemical process control
Including nonlinear programming
Cf. TP184 Data processing
- 156.A-Z Special processes and operations, A-Z
- 156.A3 Absorption of gases
- 156.A33 Acoustics. Ultrasonics
- 156.A35 Adsorption
- 156.B7 Briquetting
- 156.C3 Carbonization
- 156.C35 Catalysis
- 156.C38 Cavitation
- 156.C5 Chromatography
- 156.C57 Coating processes
Cf. TA418.9.C57 Coatings
Cf. TS670+ Electroplating
Cf. TT300+ Industrial painting
- 156.C59 Compacting
- 156.C6 Condensation
- 156.C64 Controlled release technology
- Cooling see TP363
- 156.C7 Crystallization
- 156.C8 Curing
- Dehydration see TP363
- 156.D4 Dehydrogenation
- 156.D42 Demulsification
- 156.D43 Desulphuration
Cf. TD885.5.S85 Air pollution control
- 156.D45 Dialysis
- 156.D47 Diffusion
- 156.D5 Distillation
- (156.D7) Drying
see TP363

Chemical engineering

Special processes and operations, A-Z -- Continued

| | |
|----------|---|
| 156.E5 | Electrostatic separation |
| 156.E6 | Emulsion |
| 156.E65 | Equilibrium |
| 156.E68 | Etching |
| (156.E7) | Evaporation see TP363 |
| 156.E8 | Extraction |
| 156.F4 | Fermentation, Industrial Cf. TP248.25.S64 Solid-state fermentation |
| 156.F5 | Filtration |
| 156.F55 | Flocculation |
| 156.F6 | Flow of liquids |
| 156.F65 | Fluidization |
| (156.G7) | Grinding see TP156.S5 |
| | Heating see TP363 |
| 156.H78 | Hydrogen-ion concentration |
| 156.H8 | Hydrogenation |
| 156.H82 | Hydrolysis |
| 156.H85 | Hydroxylation |
| 156.I6 | Ion exchange |
| 156.I7 | Isotope separation |
| 156.M26 | Magnetic separation Cf. TN530 Ore dressing and milling |
| 156.M3 | Mass transfer |
| 156.M45 | Methanation |
| 156.M5 | Mixing |
| 156.M65 | Molding |
| 156.N5 | Nitration |
| 156.N8 | Nucleation |
| 156.O7 | Osmosis. Reverse osmosis |
| 156.O9 | Oxidation |
| 156.P3 | Particle technology |
| 156.P4 | Pelletizing |
| 156.P5 | Plasma |
| 156.P6 | Polymerization |
| 156.P7 | Precipitation |
| 156.P75 | Pressure processes |
| 156.P8 | Pumping |
| 156.P83 | Purification |
| 156.P9 | Pyrolysis |
| 156.R35 | Rectification |
| 156.R38 | Recycle processes |
| 156.R4 | Reduction |
| | Reverse osmosis see TP156.O7 |

Chemical engineering

Special processes and operations, A-Z

- 156.R45 Rheology
- 156.S3 Screening
- 156.S32 Scrubber process
- 156.S4 Sedimentation
- 156.S45 Separation
 - Cf. TP156.M26 Magnetic separation
 - Cf. TP248.25.M46 Membrane separation (Biotechnology)
 - Cf. TP248.25.S47 Biotechnology
- 156.S5 Size reduction. Grinding
- 156.S55 Solidification
- 156.S57 Sprouted bed processes
- 156.S6 Spraying
- 156.S8 Sterilization
- 156.S9 Sublimation
- 156.S95 Surface analysis
- 156.T7 Transport processes
- 156.V3 Ultrasonics see TP156.A33
- 156.W4 Vacuum technology
- 156.W45 Weighing and measuring
- 156.Z6 Wetting
- Zone melting

Apparatus and supplies

- 157 General works
- 158 Trade catalogs
- 159.A-Z Special, A-Z
 - 159.A47 Antifoaming agents
 - 159.A5 Antioxidants
 - 159.A85 Atomizers
 - 159.A9 Autoclaves
 - 159.C3 Catalysts
 - 159.C4 Centrifuges
 - 159.C46 Chemical detectors
 - 159.C55 Coagulants
 - 159.C57 Compressors
 - 159.C6 Cooling towers
 - 159.D4 Densimeters
 - Detectors, Chemical see TP159.C46
 - 159.D5 Distillation apparatus
 - 159.D7 Drying agents
 - 159.E37 Electrochemical sensors
 - 159.E39 Electrodes
 - 159.E4 Electrolytic cells
 - 159.E85 Evaporators
 - 159.E9 Extractors

- Apparatus and supplies
Special, A-Z -- Continued
- 159.F4 Feeders
159.F47 Fillers
159.F49 Fixed bed reactors
159.F52 Flare gas systems
159.F54 Flocculants
159.F87 Furnaces
159.H4 Heat transfer media
159.L4 Leaching equipment
159.M4 Membranes
 Cf. TP248.25.M46 Membrane separation
 (Biotechnology)
- 159.M53 Microreactors
159.M6 Molecular sieves
159.N6 Nozzles
159.O9 Oxidizing agents
159.P3 Packed towers
159.P5 Pipe
159.P57 Plasma jets
159.P6 Plate towers
 Pressure vessels see TS283
159.P8 Pumping machinery
159.S34 Scrubbers
 Sensors, Chemical see TP159.C46
159.S4 Separators (Machine)
159.S6 Sorbents
159.S7 Steam-jacketed pans
159.S73 Steaming apparatus
159.V3 Vacuum tubes
159.V34 Valves
159.V52 Vibrators
- 161 Laboratory manuals
Study and teaching. Research
- 165 General works
168 Problems, exercise, etc.
Country divisions
 America
 General works
 United States
 General works
 By state, A-W
173 Canada
174 Latin America. West Indies
175 South America
176 Europe
177 Asia

- Study and teaching
- Country divisions -- Continued
- 178 Africa
- 179 Australia
- 179.5 New Zealand
- 180 Pacific islands
- Special schools
- 182 United States
- 183.A-Z Other countries, A-Z
- 184 Data processing
 - Cf. TP155.75 Chemical process control
- 185 Addresses, essays, lectures
- Chemical engineering as a profession
- 186 General works
- 186.5 Chemical technicians
- Communication in chemical engineering
- 186.7 General works
- 186.8 Computer network resources
 - Including the Internet
- Government and industrial laboratories, etc.
- 187 General works
 - Including organization, etc.
- Special countries
- 190 United States
- 191 Canada. British America
- Other American countries
- 192.A1 General works
- 192.A2-Z By region or country, A-Z
- Europe
- 193.A1 General works
- 193.A2-Z By region or country, A-Z
- Asia
- 194.A1 General works
- 194.A2-Z By region or country, A-Z
- Africa
- 195.A1 General works
- 195.A2-Z By region or country, A-Z
- 196 Australia
- 196.5 New Zealand
- 197 Pacific islands
- Chemicals
 - Class here manufacture, use, etc.
 - For purification see TP156.P83
- 200 General works
- 201 General special
- 202 Catalogs, pricelists, etc.
 - Cf. TK9401 Radioisotopes

Chemicals -- Continued

Directories see TP12

205.A-Z

Special topics, A-Z

205.S85

Storage

210

Patents

Special inorganic chemicals

Acids

213

General works

215

Sulfuric acid

217.A-Z

Other acids, A-Z

For organic acids see TP248.A+

217.C5

Chromic

217.H8

Hydrochloric

217.H9

Hydrocyanic

217.H94

Hydrofluoric

217.N5

Nitric

217.P4

Perchloric

217.P5

Phosphoric

Alkalies

Cf. TN895+ Mineral industries

222

General works

223

Ammonia and its compounds

Other special see TP245.A+

Salts

230

General works

233

Chlorides

Nitrates

237

General works

238

Saltpeter. Niter

240

Sulfates and sulfites

Gases

242

General works

243

Compressed and liquefied gases

Including cylinders

244.A-Z

Special gases, A-Z

For gaseous elements see TP245.A+

Cf. TP750.2+ Gas industry

244.A3

Aerosols

244.C1

Carbonic acid

244.G73

Greenhouse gases

244.R3

Rare gases

244.S83

Sulfur dioxide

245.A-Z

Other inorganic chemicals. By principal elements, A-Z

Class here commercial products only

For pure chemistry see QD181.A+

245.A4

Aluminum

245.A6

Antimony

Chemicals

Special inorganic chemicals

Other inorganic chemicals. By principal elements, A-Z --

Continued

| | |
|---------|---------------|
| 245.A7 | Argon |
| 245.A8 | Arsenic |
| 245.B2 | Barium |
| 245.B4 | Beryllium |
| 245.B5 | Bismuth |
| 245.B6 | Boron |
| 245.B7 | Bromine |
| 245.C2 | Cadmium |
| 245.C25 | Caesium |
| 245.C3 | Calcium |
| 245.C4 | Carbon |
| 245.C45 | Cerium |
| 245.C5 | Chlorine |
| 245.C6 | Chromium |
| 245.C7 | Cobalt |
| 245.C8 | Copper |
| 245.E6 | Erbium |
| 245.F6 | Fluorine |
| 245.G2 | Gadolinium |
| 245.G4 | Gallium |
| 245.G5 | Germanium |
| 245.G6 | Gold |
| 245.H4 | Helium |
| 245.H9 | Hydrogen |
| 245.I5 | Indium |
| 245.I6 | Iodine |
| 245.I7 | Iridium |
| 245.I8 | Iron |
| 245.K6 | Krypton |
| 245.L2 | Lanthanum |
| 245.L4 | Lead |
| 245.L5 | Lithium |
| 245.M2 | Magnesium |
| 245.M3 | Manganese |
| 245.M5 | Mercury |
| 245.M7 | Molybdenum |
| 245.N4 | Neodymium |
| 245.N5 | Neon |
| 245.N6 | Nickel |
| 245.N7 | Niobium |
| 245.N8 | Nitrogen |
| 245.O7 | Osmium |
| 245.O9 | Oxygen. Ozone |

Chemicals

Special inorganic chemicals

Other inorganic chemicals. By principal elements, A-Z --

Continued

| | |
|---------|------------------------|
| 245.P2 | Palladium |
| 245.P5 | Phosphorus |
| 245.P7 | Platinum |
| 245.P8 | Potassium |
| 245.P9 | Praseodymium |
| 245.P94 | Promethium |
| 245.P95 | Protoactinium |
| 245.R2 | Radium |
| 245.S2 | Samarium |
| 245.S3 | Scandium |
| 245.S4 | Selenium |
| 245.S5 | Silicon |
| | Silicones see TP248.S5 |
| 245.S6 | Silver |
| 245.S7 | Sodium |
| 245.S8 | Strontium |
| 245.S9 | Sulfur |
| 245.T2 | Tantalum |
| 245.T3 | Tellurium |
| 245.T4 | Terbium |
| 245.T5 | Thallium |
| 245.T6 | Thorium |
| 245.T7 | Thulium |
| 245.T8 | Tin |
| 245.T85 | Titanium |
| 245.T9 | Tungsten |
| 245.U7 | Uranium |
| 245.V2 | Vanadium |
| 245.V5 | Victorium |
| 245.X4 | Xenium |
| 245.Y8 | Ytterbium |
| 245.Y9 | Yttrium |
| 245.Z7 | Zinc |
| 245.Z8 | Zirconium |

Organic chemicals and preparations

| | |
|----------|---|
| 247.A1 | Periodicals, societies, etc. |
| 247.A2-Z | General works |
| 247.2 | Acids |
| 247.5 | Solvents |
| 247.7 | Plasticizers |
| 248.A-Z | Special, A-Z |
| | For chemical technology of specific drugs see RS431.A+ |

Chemicals

Organic chemicals and preparations

Special, A-Z -- Continued

| | |
|----------|---|
| 248.A17 | Acetates |
| 248.A18 | Acetic acid |
| 248.A2 | Acetone |
| 248.A28 | Acridines |
| 248.A4 | Acrylic acid |
| 248.A5 | Alcohols |
| | Cf. TP593 Fermentation industries |
| 248.A53 | Aldehydes. Ketones |
| 248.A554 | Alkenes (Olefins) |
| | Cf. QD305.H7 Organic chemistry |
| 248.A555 | Allene |
| 248.A56 | Allyl compounds |
| 248.A6 | Amino acids |
| 248.A62 | Antibiotics |
| | Antibodies, Monoclonal see TP248.65.M65 |
| 248.A7 | Aromatic compounds |
| 248.A8 | Ascorbic acid |
| 248.A9 | Aziridines |
| 248.B4 | Benzene |
| 248.B5 | Benzoic acid |
| 248.B55 | Biomass chemicals |
| 248.B57 | Biosurfactants |
| 248.B6 | Boron organic compounds |
| 248.B78 | Butanediol |
| 248.B8 | Butanone |
| 248.B87 | Butylene |
| 248.C15 | Calcium gluconate |
| 248.C2 | Camphor |
| 248.C24 | Carbodiimides |
| 248.C27 | Carbohydrates |
| 248.C3 | Carbolic acid |
| 248.C34 | Carbon disulfide |
| 248.C38 | Carboxymethyl cellulose |
| 248.C4 | Casein |
| 248.C45 | Cellulose acetate |
| 248.C5 | Chloroform |
| 248.C6 | Citric acid |
| 248.C67 | Cresols |
| 248.C7 | Cresylic acid |
| 248.C9 | Cyanides |
| 248.C93 | Cyanocobalamine |
| 248.C94 | Cyclodextrins |
| 248.D5 | Diolefins |
| 248.E5 | Enzymes |

Chemicals

Organic chemicals and preparations

Special, A-Z -- Continued

| | |
|---------|--|
| 248.E62 | Esters |
| 248.E65 | Ether |
| 248.E68 | Ethylcellulose |
| 248.E72 | Ethylene |
| 248.F5 | Fluoro-organic compounds |
| 248.F6 | Formaldehyde |
| 248.F63 | Formic acid |
| 248.F79 | Fungicides |
| 248.F8 | Furaldehyde |
| 248.G6 | Glucosides |
| 248.G65 | Glutamic acid |
| | Glycerin see TP973 |
| 248.H3 | Halogens |
| 248.H36 | Herbicides |
| 248.H4 | Hexachlorethane |
| 248.H43 | Hexone |
| 248.H85 | Hydrazine |
| 248.H9 | Hydrocarbons |
| | Cf. TP290.H9 Inflammable material |
| 248.I57 | Insecticides |
| 248.I8 | Isocyanates |
| 248.I86 | Isoprene |
| | Ketones see TP248.A53 |
| 248.L27 | Lactams |
| 248.L3 | Lactic acid |
| 248.M4 | Menthol |
| 248.M43 | Metal carbonyls |
| 248.M45 | Metallo-organic compounds |
| 248.M48 | Methyl sulfoxide |
| | Monoclonal antibodies see TP248.65.M65 |
| 248.N7 | Nitrocellulose |
| 248.N8 | Nitrogen compounds |
| 248.N9 | Nucleotides |
| 248.O9 | Oxalic acid |
| 248.P4 | Pectin |
| 248.P44 | Pentosan |
| 248.P46 | Peroxides |
| 248.P47 | Pesticides |
| 248.P5 | Phenol products |
| 248.P55 | Phosphatides |
| 248.P6 | Phthalic acid |
| 248.P62 | Phthalocyanins |
| 248.P65 | Picric acid |
| 248.P67 | Polymethylbenzenes |

Chemicals

Organic chemicals and preparations

Special, A-Z -- Continued

- 248.P675 Polyphosphazenes
 248.P68 Polysaccharides
 248.P73 Proline
 248.P75 Propylene
 248.P77 Proteins
 248.P8 Pyridine
 (248.S3) Saccharin
 see TP424
 248.S5 Silicones
 248.S6 Sorbitol
 248.S7 Starch
 Cf. TP415+ Food industry
 248.S76 Stearates
 248.S8 Stearic acid
 248.S9 Sugar esters
 248.S93 Sulfur organic compounds
 248.T27 Tartaric acid
 248.T3 Tartrates
 248.T46 Terephthalic acid
 248.T55 Tocopherol
 248.T6 Toluene
 248.T7 Trichloroethylene
 248.U7 Urea
 (248.W6) Wood alcohol
 see TP594
 248.X9 Xyloles
 248.X95 Xylose

Biotechnology

- Cf. QR183.5 Immunotechnology
 Cf. RS380 Pharmaceutical biotechnology
 Cf. S494.5.B563 Agricultural biotechnology
 Cf. TD192.5+ Environmental biotechnology

- 248.13 Periodicals. Societies. Serials
 248.14 Congresses
 248.15 Collected works (nonserial)
 248.16 Dictionaries and encyclopedias
 248.162 Symbols, formulas, abbreviations
 248.17 Directories
 248.175 Patents
 248.18 History
 By region or country
 United States
 General works
 248.185
 248.19.A-Z By region or state, A-Z

Biotechnology

By region or country -- Continued

248.195.A-Z Other regions or countries, A-Z

248.2 General works

248.215 Popular works

248.218 Juvenile works

248.22 Study and teaching

248.23 Social aspects

Processes, operations, and techniques

248.24 General works

248.25.A-Z Special, A-Z

248.25.A96 Automation. Computer simulation. Data processing

248.25.B53 Bilayer lipid membranes

248.25.B54 BioMEMS

248.25.B55 Bioreactor processes

248.25.C37 Capillary electrophoresis

248.25.C42 Cell adhesion

248.25.C44 Cell culture

Computer simulation see TP248.25.A96

Control see TP248.25.M65

248.25.C79 Cryopreservation

Data processing see TP248.25.A96

248.25.E88 Extraction

248.25.F55 Flocculation

248.25.F57 Flow cytometry

248.25.G7 Granulation

248.25.H54 High performance liquid chromatography

248.25.H56 High pressure

248.25.I55 Immobilized cell processes

248.25.L85 Luminescence

248.25.M34 Magnetic separation

248.25.M38 Mass spectrometry

248.25.M39 Mathematical models

248.25.M43 Measurement

248.25.M45 Membrane reactors

248.25.M46 Membrane separation

248.25.M58 Mixed culture

248.25.M65 Monitoring. Control

248.25.N35 Nanotechnology

248.25.N42 Near infrared spectroscopy

248.25.P44 Pervaporation

248.25.P53 Phase partition

Pressure, High see TP248.25.H56

248.25.S47 Separation

248.25.S64 Solid-state fermentation

Special biotechnologies, A-Z

248.27.A46 Algal biotechnology

Biotechnology

Special biotechnologies, A-Z -- Continued

- 248.27.A53 Animal cell biotechnology
- 248.27.F86 Fungal biotechnology
- 248.27.I56 Insect cell biotechnology
- 248.27.M37 Marine biotechnology
- 248.27.M47 Methylotrophic microorganisms
- 248.27.M53 Microbial biotechnology
 - Cf. TN688.3.B33 Hydrometallurgy
- 248.27.P55 Plant biotechnology
 - Cf. SB106.B56 Crops
- 248.27.P75 Protozoan biotechnology
- 248.27.Y43 Yeast biotechnology
- 248.3 Biochemical engineering. Bioprocess engineering
 - For industrial applications of specific biomolecules or classes of biomolecules see TP248.A+
 - Cf. TP156.F4 Industrial fermentation
 - Cf. TP248.3 Hydrometallurgy
 - Cf. TP500+ Fermentation industries
- 248.6 Genetic engineering applications
 - Cf. QH442+ Genetic engineering (Biology)
- 248.65.A-Z Biotechnological production, modification, and applications of individual compounds or classes of compounds
 - Special, A-Z
 - Allergens
 - Amino acids
 - Amylodextrins
 - Antibiotics
 - Blood products
 - Carbohydrates see TP248.65.P64
 - Carbon compounds
 - Cellulase
 - Cellulose
 - Chitin
 - Citric acid
 - Cyclodextrins
 - Eggs
 - Enzymes
 - Feeds
 - Food
 - Glycoconjugates
 - Hydrogen
 - Hydrolases
 - Immobilized enzymes
 - Immobilized proteins
 - Immunoglobulins
 - Lignocellulose

Biotechnology

Biotechnological production, modification, and applications of individual compounds or classes of compounds

Special, A-Z -- Continued

| | |
|------------|---|
| 248.65.L57 | Lipids |
| 248.65.M37 | Materials |
| 248.65.M53 | Microbial exopolysaccharides |
| 248.65.M54 | Microbial proteins |
| 248.65.M65 | Monoclonal antibodies |
| 248.65.O65 | Optical isomers |
| 248.65.O73 | Organic compounds |
| 248.65.P53 | Plant lipids |
| 248.65.P58 | Polyethylene glycol |
| 248.65.P62 | Polymers |
| 248.65.P64 | Polysaccharides. Carbohydrates |
| 248.65.P76 | Proteins |
| 248.65.S55 | Single cell lipids |
| 248.65.S56 | Single cell proteins |
| 248.65.V32 | Vaccines |
| 248.65.V57 | Vitamins |
| 249 | Industrial radiochemistry. Industrial radiation chemistry |
| 249.5 | Industrial photochemistry |
| | Industrial electrochemistry |
| | Cf. QD115+ Electrochemical analysis |
| | Cf. QD273 Electrochemistry of organic compounds |
| | Cf. QD551+ Chemistry |
| | Cf. TK4661 Electric furnaces |
| 250 | Periodicals, societies, etc. |
| 251 | Directories |
| 252 | History |
| 253.A-Z | Special countries, A-Z |
| 255 | General works |
| 256 | General special |
| 257 | Addresses, essays, lectures |
| 258 | Study and teaching |
| | Special applications |
| 259 | Electrolysis of water |
| | Electroplating see TS670+ |
| | Electrotyping see Z252 |
| | Metallurgical processes (General) see TN681+ |
| 261.A-Z | Other special, A-Z |
| 261.A1 | Alloys |
| 261.B7 | Brine |
| | Calcium carbide see TP770 |
| 261.C3 | Carborundum |
| 261.C5 | Chlorates |
| 261.C67 | Corundum |

- Industrial electrochemistry
 - Special applications
 - Other special, A-Z -- Continued
- 261.G7 Graphite
- 261.H9 Hydrogen
- 261.N7 Nitrogen
- 261.O9 Oxygen
- 261.P48 Phosphorus
- Water in chemical industry
 - 262 General works
 - 263 Water softening
 - Cf. TD466 Municipal water supply
 - Cf. TJ379 Feedwater purification
- Chemistry of fire and fire prevention
 - Cf. QD516 Heat of formation, combustion, flame, explosion
 - Cf. TH9446.3+ Flammability of materials
- 265 General works
- 266 Fire extinguishing agents
 - Cf. TH9338 Chemical systems of fire extinction
- 266.5 Fireproofing agents
- 267 Fireproofing of fabrics
- Explosives and pyrotechnics
 - 267.5 General works
 - 268 History
 - Special topics see TP272+
 - 268.5.A-Z Biography, A-Z
 - e.g.
 - 268.5.N7 Nobel
 - 269 Early works to 1800
 - Explosives
 - Cf. UF860+ Military explosives and pyrotechnics
- 270.A1 Periodicals, societies, etc.
- 270.A2 Dictionaries and encyclopedias
- 270.A3-Z General works
- 270.5 Popular works. Juvenile works
- 271 Study, testing, etc.
- Special explosives
 - 272 Gunpowder
 - 273 Smokeless powder
 - 276 Nitrocellulose compounds. Guncotton
 - 285 Nitroglycerine compounds. Dynamite
 - 290.A-Z Other, A-Z
 - 290.A5 Ammonium nitrate fuel oil
 - 290.B7 Bobbinite
 - 290.C7 Compensating powder
 - 290.C8 Cordite
 - 290.C9 Cyclotetramethylene-tetranitramine

Explosives and pyrotechnics

Explosives

Special explosives

Other, A-Z -- Continued

290.H9

Hydrocarbons

Cf. TP248.H9 Organic preparations

290.L5

Liquid air or oxygen

290.L8

Lyddite. Melanite

290.N53

Nitrogen compounds

290.P5

Peroxides

290.T8

Trinitrotoluene (TNT)

290.V5

Vigorit

291

Additives

293

Fuses, caps, fulminates, etc.

295

Storage and handling. Powder magazines. Thaw houses

297.A-Z

Regulation, inspection, etc. By country, A-Z

(299)

Laws relating to explosives

see class K

Pyrotechnics

300

General works

301

Catalogs of fireworks, etc.

310

Matches

Fuel

Cf. TH7201+ Heating of buildings

Cf. TJ163.13+ Power resources

315

Periodicals, societies, congresses, etc.

316

Dictionaries and encyclopedias

317.A-Z

Special countries, A-Z

318

General works

318.3

Juvenile works

319

General special

Including fuel for motor transport

Cf. TP343+ Liquid and gaseous fuel

320

Minor works, pamphlets, etc.

320.5

Tables, calculations, etc.

Analysis. Testing

Cf. TP691 Oil inspection, analysis, testing, standards,
etc.

Cf. TP754 Analysis, tests, etc. in the gas industry

321

General works

322

Fuel testing plants

323

Briquets and briquetting (General)

For special kinds see the subject

Cf. TP327 Coal briquets

Cf. TP340 Peat

324

Wood

Fuel -- Continued

- Coal
 - Cf. TP352 Coal liquefaction
- 325 General works
- 326.A-Z By region or country, A-Z
- 327 Coal briquets
- 328 Pulverized coal
- 329 Lignite
- 331 Charcoal
- 336 Coke. Carbonization of coal
- 339 Biomass
 - Cf. TP324 Wood
- 340 Peat
- Liquid and gaseous fuel
 - Cf. TL704.7 Fuel for aircraft engines
 - Cf. TP750.2+ Gas industry
- 343 General works
- Gas
 - 345.A1 Periodicals, societies, congresses, etc.
 - 345.A2-Z General works
- 350 Natural gas
 - Cf. TP359.M4 Methane
- 352 Coal liquefaction
- 355 Petroleum
 - Including synthetic petroleum
- 358 Alcohol and alcohol mixtures. Gasohol
- 359.A-Z Other special, A-Z
 - 359.B4 Benzene (Benzol)
 - 359.B46 Biodiesel fuels
 - 359.B48 Biogas
 - 359.H8 Hydrogen
 - 359.K47 Kerosene as fuel
 - 359.L5 Liquefied petroleum gas
 - 359.M4 Methane
 - 359.V44 Vegetable oils
- 360 Other
 - Including colloidal fuel, mud fuel, artificial fuel
- 361 Inflammable liquids and gases
 - Including production, storage, handling and transportation
 - Cf. TH9446.I475 Fire prevention
 - Cf. TH9446.I5 Fire prevention
- 362 Antifreeze solutions
- 363 Heating, drying, cooling, evaporating
 - Cf. TP159.D7 Drying agents
 - Cf. TP159.H4 Heat transfer media
- 365 By-products of combustion

Food processing and manufacture

For beverages see TP500+

Cf. TX341+ Nutrition

Cf. TX641.2+ Cooking

- 368 Periodicals. Societies. Congresses
- 368.2 Dictionaries and encyclopedias
- 368.3 Directories
- 368.4 Catalogs
- 368.5 Patents
- 368.6 History
- 369.A-Z By region or country, A-Z
- Biography
 - 369.5 Collective
 - 369.52.A-Z Individual, A-Z
- 370 General works
- 370.2 Popular works
- 370.3 Juvenile works
- 370.4 Handbooks, tables, etc.
- 370.5 General special
- 370.6 Addresses, essays, lectures
- 370.7 Study and teaching
- 370.8 Research
- 370.9.A-Z Special aspects, A-Z
 - Automation see TP372.8
 - 370.9.C64 Color of food
 - 370.9.M38 Mathematical models
 - 370.9.T73 Transport theory
- Special processes
 - For biotechnology applied to food processing see TP248.65.F66
 - For processing of a special food see TP375+
- 371 General works
- 371.15 Aeration
- Preservation techniques
 - For home preservation see TX599+
- 371.2 General works
- Canning
 - 371.3 General works
 - 371.35 Sterilization of canned foods
- Chemical preservation
 - 371.4 General works
 - By use of additives
 - 371.42 General works
 - 371.44 Brining, pickling, fermenting, etc.
- Drying. Dehydration
 - 371.5 General works
 - 371.6 Freeze-drying

Food processing and manufacture

Special processes

Preservation techniques

Drying. Dehydration -- Continued

371.65 Solar drying

371.7 Electric fields

371.75 High pressure

371.8 Irradiation

Low temperature

372 General works

372.2 Cold storage

372.3 Freezing

372.4 Ultrasound

Chemistry testing. Quality control

Cf. TX501+ Nutrition

372.5 General works

372.55.A-Z Special reactions, A-Z

372.55.E59 Enzymatic browning

372.55.M35 Maillard reaction

372.6 Standards

372.7 Production control

372.8 Automation

373 Food processing plants and equipment

Cf. TH4526 Building construction

373.2 Transportation

373.3 Storage

Including food storage pests

Cf. SB937 Farm insect pests

373.5 Safety measures

373.6 Sanitation

373.8 By-products

Packaging

374 General works

374.5 Labeling

Special foods

Sugars and syrups (General). Cane sugar. Sucrose

375 Periodicals. Societies. Congresses

(375.3) Yearbooks

see TP375

375.4 Dictionaries and encyclopedias

375.5 Directories

375.6 Patents

375.7 History

375.8.A-Z By region or country, A-Z

General works

376 Early through 1800

377 1801-

Food processing and manufacture

Special foods

Sugars and syrups (General). Cane sugar. Sucrose --

Continued

- 378 Popular works
 - 378.2 Juvenile works
 - 379 Handbooks, tables, etc.
 - 380 General special
 - Including production control, automation
 - 381 Sugar-making machinery
 - 381.5 Special methods
 - 382 Analysis, testing. Saccharimetry
 - Special kinds of sugars and syrups
 - Beet
 - For periodicals see TP375
 - General works
 - General special
 - Cane see TP375+
 - Maple
 - Sorghum and corn
 - Molasses
 - Other special kinds of sugar
 - Including glucose, lactose, dextrose, date, Jerusalem artichoke
 - Sugar products
 - General works
 - Caramel
 - Confectionery see TX780.2+
 - Sugar byproducts
 - For bagasse see TP996.B3
 - Starches. Cornstarch
 - General works
 - Special starches and starch products, A-Z
 - Dextrin
 - Sago
 - Tapioca. Cassava
- Fats and oils see TP669+
- Flavoring aids
 - General works
 - Essential oils see TP958+
- 419 Extracts
- 420 Spices, condiments
 - For soy sauce see TP438.S6
- Sweeteners
 - General works
 - Nonnutritive
 - General works

Food processing and manufacture

Special foods

Flavoring aids

Sweeteners

Nonnutritive -- Continued

423

Cyclamates

424

Saccharin

426

Natural

For honey see SF539

For sugar see TP375+

Vinegar

429

General works

429.2

Balsamic vinegar

429.5

Rice vinegar

Leavening agents and baking aids

431

General works

432

Baking powder. Cream of tartar

433

Yeast. Compressed yeast

Cereals and cereal products

434

General works

Milling see TS2120+

435.A-Z

Special, A-Z

435.C4

Cereals, Prepared

435.C67

Corn products

Feeds see TS2284+

Flour see TS2120+

435.M3

Macaroni, spaghetti, etc. Pasta

435.O37

Oat products

Including oat bran

435.R3

Rice products

435.R83

Rye products

435.S65

Sorghum products

435.W48

Wheat products

Bakery goods see TX761+

Confectionery see TX780.2+

Seeds and seed products

Cf. TS2120+ Flours and other milled products

437

General works

438.A-Z

Special, A-Z

438.P4

Peanuts. Peanut butter

438.S6

Soybeans

Including tofu, miso, natto and soy sauce

Nuts and nut products

439

General works

439.5.A-Z

Special nuts and products, A-Z

439.5.C45

Chestnuts

439.5.C6

Coconuts

Food processing and manufacture

Special foods

Nuts and nut products

Special nuts and products, A-Z -- Continued

439.5.H39

Hazelnuts

Peanuts see TP438.P4

439.5.P42

Pecans

Fruit and fruit products

440

General works

441.A-Z

Special fruits and products, A-Z

441.A6

Apples

441.B34

Bananas

441.B4

Berries

441.C45

Cherries

441.C5

Citrus products

441.J3

Jam. Jelly (General)

441.M36

Mangos

441.O4

Olives

441.P4

Peaches

441.P54

Pineapple

441.P55

Plums

441.P7

Prunes

Vegetables and vegetable products

443

General works

444.A-Z

Special vegetables and products, A-Z

444.A8

Asparagus

444.B38

Beans, Dried

444.B4

Beets

444.C3

Cabbage

444.C8

Cucumbers

444.G37

Garlic

444.K65

Konnyaku

444.M8

Mushrooms

444.O5

Onions

444.P4

Peas

444.P6

Potatoes

444.S27

Sauerkraut

444.S65

Spinach

444.S94

Sweet potatoes

444.T6

Tomatoes

Algae and algae products

445

General works

445.5.A-Z

Special algae and products, A-Z

445.5.A35

Agar

445.5.A45

Algin

445.5.C35

Carrageenan

Animal foods

Food processing and manufacture

Special foods

Animal foods -- Continued

Butchers' meats see TS1950+

Dairy foods see SF250.5+

Eggs see SF490+

Poultry see TS1968

Seafood see SH334.9+

Food substitutes

446

General works

447.A-Z

Special, A-Z

447.F37

Fat substitutes

Margarine see TP684.M3

447.M4

Meat substitutes

Sugar substitutes see TP422+

Special food forms and foods for special purposes

450

General works

451.A-Z

Special, A-Z

451.B38

Batters

Beverages see TP500+

Cereals, Prepared see TP435.C4

451.C6

Convenience foods

451.D53

Dietetic food

451.E3

Edible coatings

Gelatin see TP965

451.L67

Low-fat foods

451.S57

Snack foods

451.S67

Soups

453.A-Z

Special food constituents, A-Z

453.C65

Colloids

453.L43

Lecithin

453.L56

Lipids

453.P45

Phenols

453.P64

Polysaccharides

453.P7

Proteins

453.V5

Vitamins

Food additives

Cf. TP371.42+ Chemical preservation by use of
additives

Cf. TX553.A3 Nutrition

455

General works

456.A-Z

Special additives, A-Z

456.A2

Acids

456.B32

Bacterial starter cultures

456.C65

Colorants

456.E58

Enzymes

- Food processing and manufacture
 - Special foods
 - Food additives
 - Special additives, A-Z -- Continued
 - 456.H93 Hydrocolloids
 - Cf. TP979.5.H93 Gums and resins
 - 456.K64 Koji
 - Low temperature engineering. Cryogenic engineering
 - Cf. TP243 Compressed and liquefied gases
 - Cf. TP363 Heating, drying, cooling, evaporating, etc.
 - 480 Periodicals, societies, congresses, etc.
 - 482 General works
 - Refrigeration and icemaking
 - 490 Periodicals, societies, congresses, etc.
 - 490.4 Dictionaries and encyclopedias
 - 490.5 Directories
 - General works
 - 491 Early to 1850
 - 492 1850-
 - 492.2 Juvenile literature
 - 492.3 Study and teaching
 - 492.5 Theory. Thermodynamics
 - 492.6 Domestic refrigeration
 - Cf. TP496+ Refrigerators
 - 492.7 Miscellaneous special topics
 - Refrigerants
 - 492.8 General works
 - 492.82.A-Z Special refrigerants, A-Z
 - 492.82.D78 Dry ice
 - 492.82.H93 Hydrocarbons
 - 492.9 Thermoelectric cooling
 - Cf. QC621+ Thermoelectricity. Thomson effect. Peltier effect
 - Cold storage of food see TP372.2
 - Freezing of food (Food processing industry) see TP372.3
 - Freezing of food (Home methods) see TX610
 - History
 - 494.A1 General works
 - 494.A5-Z Special countries, A-Z
 - 495 Special machinery
 - Including catalogs
 - Refrigerators
 - 496 General works
 - Electric, gas, etc.
 - 497.A1 Periodicals, societies, etc.
 - 497.A2-Z General works

- 498 Ice cutting and storage
Cf. NA6360 Commercial icehouses
Cf. NA8350 Private icehouses
- Fermentation industries. Beverages. Alcohol
Cf. HD9350+ Economics
Cf. TP371.44 Preserving food by fermentation
- 500 Periodicals, societies, etc.
- 500.5 Directories
- 501 Congresses
Exhibitions
- 502.A1 General works
- 502.A2-Z By region or country, A-Z
Subarrange each country by Table T4b
- 503 Dictionaries and encyclopedias
General works
- 504 Early to 1800
- 505 1800-
- 506 General special
- 507 Popular works
- 510 Handbooks, tables, etc.
- 511 Analysis. Testing
- 515 Use of the microscope
Cf. QR151+ Microorganisms of fermentation
- 517 Apparatus, instruments, tools, etc.
Cf. TP659.A1+ Bottling supplies, containers, etc.
- History
Cf. TP544+ Wines
Cf. TP573.A1+ Brewing
- 520 General works
- 521 Ancient
- 522 Medieval
- 523 Modern
America
- 526 General works
United States
- 527 General works
- 528 Special states, A-W
- 529 Canada
- 530 West Indies
- 531 Mexico and Central America
- 532 South America
- 533.A-Z Europe, A-Z
- 534.A-Z Asia, A-Z
- 535.A-Z Africa, A-Z
- 536 Australia
- 536.5 New Zealand
- 537 Pacific islands

Fermentation industries. Beverages. Alcohol -- Continued

Study and teaching

540

General works

543

Special schools

Cf. TP574 Brewing and malting schools

Wine and winemaking

Cf. BM523.5.W5 Judaism

544

Periodicals, societies, congresses, etc.

546

Dictionaries and encyclopedias

546.5

Directories

Biography

547.A1

Collective

547.A5-Z

Individual, A-Z

General works

547.5

Early to 1800

548

1800-

548.2

Amateurs' manuals

548.5.A-Z

Special topics, A-Z

548.5.A38

Adulteration

Including chaptalization

548.5.A5

Analysis, testing, etc.

548.5.A6

Apparatus and supplies

548.5.A93

Auctions

548.5.B9

By-products

548.5.C53

Clarification

548.5.C64

Color

548.5.F55

Flavor and odor

548.5.L32

Labels

Microbiology see QR151+

Odor see TP548.5.F55

548.5.P7

Preservatives

548.5.S35

Sanitation

548.5.S7

Sterilization

548.5.T68

Tourism

548.6.A-Z

Special types, A-Z

For special types of wines by locality see TP553+

548.6.O74

Organic wines

548.6.R67

Rosé wines

548.6.S65

Sparkling wines

549

History

Special countries

France

553

General works

555

Champagne

557

United States

559.A-Z

Other regions and countries, A-Z

560

Unfermented grape juice. Must

Fermentation industries. Beverages. Alcohol -- Continued

- 561 Fruit wines. Flower wines
 - Fruit juices
 - Cf. TP636 Syrups
 - Cf. TP656+ Noncarbonated fruit beverages
- 562.A1 Periodicals. Societies. Serials
- 562.A2 Congresses
- 562.A3-Z General works
- 562.5.A-Z Special fruit juices, A-Z
- 562.5.O73 Orange juice
- Cider
- 563 General works
- 564 Unfermented apple juice
- 564.5 Perry
- 565 Fermented milk
 - Including kefir and kumiss
- Brewing and malting
 - Cf. TH4531 Brewery design and construction
- 568 Dictionaries and encyclopedias
- General works
- 569 Early to 1800
- 570 1800-
- 572 Directories
- History
- 573.A1 General works
- 573.A3-Z Special countries, A-Z
- Biography
- 573.5.A1 Collective
- 573.5.A2-Z Individual, A-Z
- 574 Schools
- General special
- 577 Beer. Beer and ale
- 578 Ale. Porter
- 579 Rice beer. Saké
- Yeast in brewing
- 580 General works
- 581 Pure-culture yeast
- 583 Water in brewing
- 585 Hops in brewing
- 587 Malting and malt
- 588.A-Z Other fermented beverages, A-Z
- 588.G8 Guarapo
- 588.K86 Kvass
- 588.M4 Mead
- 588.P8 Pulque
- Distilling
- General works

Fermentation industries. Beverages. Alcohol

Distilling

General works -- Continued

589

Early to 1800

590

1800-

History

590.5

General works

590.6.A-Z

Special regions or countries, A-Z

Biography

591.A1

Collective

591.A2-Z

Individual, A-Z

592

General special

Including fermentation of molasses

593

Alcohol (Ethanol)

Including denatured alcohol

Cf. HD9399 Economics

594

Wood alcohol (Methanol)

Distilled liquors

Cf. HD9390+ Economics

597

General works

599

Brandy

605

Whiskey

607.A-Z

Others, A-Z

607.A27

Absinthe

607.A57

Apple brandy

607.A6

Aquavit

607.G4

Gin

607.K3

Kaoliang

607.K57

Kirsch

607.M46

Mescal

607.R9

Rum

607.S5

Shochu

607.T46

Tequila

607.V6

Vodka

609

Gaging and testing

Including tables

Cf. HF5716.L3+ Gaging of liquids in general

611

Liqueurs. Cordials

612

Compounding. Liquor-makers' receipts

617

Catalogs of liquors

(618)

Adulteration of liquors

see TX597

Nonalcoholic beverages

620

General works

625

Artificial mineral waters

Carbonated beverages. Soda water

628

Periodicals, societies, etc.

Fermentation industries. Beverages. Alcohol
 Nonalcoholic beverages
 Carbonated beverages. Soda water -- Continued
 629 Directories
 630 General works
 635 Apparatus. Soda fountains
 Including catalogs
 636 Syrups
 Chocolate, coffee, tea, etc.
 Cf. TX583+ Adulterations
 638 General works
 640 Cacao. Chocolate. Cocoa
 645 Coffee
 Cf. TD888.C6 Air pollution by coffee processing
 plants
 650 Tea
 655.A-Z Others, A-Z
 Noncarbonated fruit beverages
 Cf. TP562+ Fruit juices
 656 General works
 657.A-Z Special noncarbonated fruit beverages, A-Z
 657.L46 Lemonade
 658 Congelation of beverages
 Bottling. Bottler's machinery and supplies
 Including labeling
 659.A1 Periodicals, societies, etc.
 659.A2-Z General works
 660 Beverage containers
 Oils, fats, and waxes
 Cf. TJ1077+ Lubricants
 Cf. TP447.F37 Fat substitutes (Food processing and
 manufacture)
 669 Periodicals, societies, etc.
 669.5 Congresses
 670 General works
 671 Analysis, testing, etc.
 673 Bleaching of oils, fats, waxes, etc.
 675 Sulfonated oils
 676 Animal fats, oils, etc.
 Cf. TS1980+ Lard, tallow, fish oils, etc.
 Insect waxes
 677 General works
 678 Beeswax
 679.A-Z Other waxes, A-Z
 679.S8 Sugarcane wax
 Vegetable oils and fats
 Cf. TP958+ Essential oils

Oils, fats, and waxes

Vegetable oils and fats -- Continued

- 680 General works
Cottonseed oil
- 681.A1 Periodicals, societies, etc.
681.A2-Z General works
681.5 Tables, etc.
- 682 Linseed oil
683 Olive oil
- 684.A-Z Other special oils and fats, A-Z
684.B3 Bati oil
684.C2 Cacao butter. Cocoa butter
684.C275 Cashew oil
684.C3 Castor oil
Chinese wood oil see TP684.T8
684.C6 Cnidocolus oil
684.C7 Coconut oil
684.C8 Corn oil
684.I8 Isano oil
684.J64 Jojoba oil
684.M3 Margarine
Cf. HD9330.M37+ Margarine industry
Oleomargarine see TP684.M3
Orange oil see TP959.O7
- 684.P3 Palm oil
684.P4 Peanut oil
684.P47 Perilla oil
684.P85 Pumpkinseed oil
684.R23 Ragweed seed oil
684.R3 Rape oil
684.R5 Rice oil
684.R7 Rosin oil
684.R83 Rubber-seed oil
684.S2 Sal seed oil
684.S53 Shea butter
684.S6 Soybean oil
684.S8 Sunflower seed oil
684.T3 Tall oil
684.T8 Tung oil. Chinese wood oil
684.V36 Vanaspati
- Mineral oils and waxes
- 685 General works
686 Analysis, testing, etc.
687 Reclamation of oil
Petroleum refining. Petroleum products
Cf. TD888.P4 Air pollution by petroleum refineries
Cf. TN860+ Petroleum extraction

Oils, fats, and waxes

Mineral oils and waxes

Petroleum refining. Petroleum products -- Continued

- 690.A1 Periodicals, societies, etc.
 690.A2-Z General works
 Directories of the industry see TN867
- 690.1 History
 690.2.A-Z By region or country, A-Z
 690.25 Juvenile works
 690.3 Refineries, refinery equipment, automatic control
 Cf. TH4571 Construction of refineries
- 690.4 Cracking process
 690.45 Other special processes (not A-Z)
 Including alkylation, hydrogenation, etc.
- 690.5 Patents
 690.6 Safety measures and equipment
 Cf. TH9445.P4 Fire prevention and extinction in
 petroleum refineries
- 690.8 General special
 Including corrosion
- 691 Oil inspection, analysis, testing, standards, etc.
 692 Tables
- Special products
- 692.2 Gasoline
 692.3 Chemicals
 692.4.A-Z Other products, A-Z
 692.4.A8 Asphalts
 692.4.B5 Bitumen
 692.4.C6 Coke
 692.4.H9 Hydrocarbons
 692.4.K4 Kerosene
 692.4.M3 Mazut
 692.4.N3 Naphtha
 692.4.O3 Oil gas
 692.4.P3 Paraffins
 692.4.S9 Sulfur compounds
 692.4.T6 Toluene
- 692.5 Oil and gasoline handling and storage
- 693 Paraffin
 695 Ozokerite, ceresin, etc. Natural paraffin
 Cf. TN857 Mineral resources, mining, etc.
- 698 Synthetic petroleum and its products
 699 Shale oil and its products
 Cf. TN858+ Mineral industries

- Illuminating industries (Nonelectric)
 Cf. HD4486+ Municipal lighting industries
 Cf. TH7700+ Domestic illumination
 Cf. TK4125+ Electric lighting
- 700 Periodicals, societies, etc.
 Exhibitions
- 702.A1 General works
 702.A2-Z By region or country, A-Z
 Subarrange each country by Table T4b
- 703 Congresses
 704 Dictionaries and encyclopedias
 705 General works
 710 Tables, pocketbooks, etc.
 713 General special
 714 Directories
 Lighting fixtures see TH7960+
 History
- 715 General works
 716 Ancient
 717 Medieval
 718 Modern
 719 Nineteenth century
 720 Twentieth century
- Special countries
 Including regulation, inspection, etc.
- 721 America
 722 North America
 United States
 States, A-W
 Cities, A-Z
 Canada
 General works
 Special provinces, A-Y
 Cities, A-Z
 Mexico
 General works
 Special states, A-Z
 West Indies
 General works
 Special islands, A-Z
 South America
- 730 General works
 731.A-Z Special countries, A-Z
 Subarrange each country by Table T4a
- Europe
- 732 General works

Illuminating industries (Nonelectric)

Special countries

Europe -- Continued

733.A-Z

Special countries, A-Z

Subarrange each country by Table T4a

Asia

734

General works

735.A-Z

Special countries, A-Z

Subarrange each country by Table T4a

Africa

736

General works

737.A-Z

Special countries, A-Z

Subarrange each country by Table T4a

738

Australia

738.5

New Zealand

739

Pacific islands

741

Street lighting

Cf. TK4188 Electric lighting

743

Torches

Candles see TP993

746

Lamps

Ancient lamps see NK4680

Gas industry

Periodicals, societies, etc. see TP700

Congresses see TP703

Dictionaries and encyclopedias see TP704

Directories see TP714

History see TP715+

Special countries see TP721+

751

General works

751.1

General special

Including corrosion and its prevention

751.3

Business management

751.5

Popular works

751.6

Juvenile works

751.7

Coal, oil, shale, and other resources for gas manufacture

752

Gasworks

For special plants see TP721+

753

Tables, pocketbooks, etc.

754

Analysis, tests, recorders, purification, etc.

755

By-products

756

Gas storage. Gasholders

756.5

Underground storage

757

Distribution. Mains, pipes, etc.

758

Uses of gas

Cf. TH6800+ Gas in guildings

Cf. TP345.A1+ Gas as fuel

- Gas industry -- Continued
 Natural gas (Mining engineering) see TN880+
 Natural gas fuel see TP350
- 759 Gasification of coal and oil
 Including underground gasification of coal
 Cf. TP336 Coke, carbonization of coal
 Cf. TP751.7 Coal and oil resources for gas manufacture
 Cf. TP762 Gas producers
- 760 Water gas
- 761.A-Z Other special kinds, A-Z
- 761.B8 Butane
- 761.C65 Compressed gas
- 761.L5 Liquid gas
- 761.M4 Methane
- 761.M44 Methylpropene
- 761.M7 Mond gas
- 761.P4 Petroleum gas
- 761.P9 Producer gas
- 761.P94 Propane
- Sludge gas see TD769.4
- 762 Gas producers for industrial purposes
- Acetylene industry
- 765 Periodicals, societies, etc.
- 767 General works
- 769 Apparatus
- 770 Manufacture from calcium carbide
- Clay industries. Ceramics. Glass
 Cf. HD9590+ Economics
 Cf. NK3700+ Ceramics (Art industries)
 Cf. NK5100+ Glass (Art industries)
 Cf. TA430 Ceramic materials
 Cf. TA450 Glass in engineering
 Cf. TN941+ Mineral industries
 Cf. TT919+ Pottery craft
- 785 Periodicals, societies, etc.
 For periodicals on glass alone see TP845
- 786 Congresses
- Exhibitions. Museums
- 787.A1 General works
- 787.A2-Z By region or country, A-Z
 Subarrange each country by Table T4b
- 788 Dictionaries and encyclopedias
- 789 Directories
- 790 Collected works (nonserial)
- History
- 791 General works
- 792 Ancient

- Clay industries. Ceramics. Glass
 History -- Continued
- 793 Medieval
 - 794 Modern
- Country divisions
- 797 America
 - United States
 - 798 General works
 - 799.A-W States, A-W
 - 800.A-Z Cities, A-Z
 - 801 Canada
 - 802.A-Z Other American countries, A-Z
 - Europe
 - 802.95 General works
 - 803.A-Z By region or country, A-Z
 - 804.A-Z Other countries, A-Z
- Biography
- 805 General works
 - 806.A-Z Individual, A-Z
- Potters' marks see NK4215
- Ceramic technology. Pottery
- General works
 - 807.A2 Early to 1800
 - 807.A3-Z 1800-
 - 808 Popular works
 - For pottery craft see TT919+
 - 808.2 Juvenile works
 - 809 Tables, calculations, etc.
 - 809.5 Equipment and supplies
 - For kilns see TP841+
 - 810 Chemistry of pottery
 - 810.5 Materials
 - 811 Clay and clay analysis
 - Cf. TN941+ Mineral industries - Clay
 - 811.5 Ceramography
 - Glazes, enamels, etc.
 - Cf. NK4997+ Enamels (Art)
 - Cf. TP823 Pottery decorating
 - 812.A1 Periodicals, societies, etc.
 - 812.A2-Z General works
 - 814 Technical processes
 - Including finishing, cutting, machining, etc.
 - 815 General special
 - Including studies of clay, vitrification, dehydration, saggars
 - 816 Study and teaching
 - 817 Pottery machinery
 - 818 Catalogs of pottery, stoneware, porcelain, glass, etc.

- Clay industries. Ceramics. Glass
 Ceramic technology. Pottery -- Continued
- 820 Earthenware. Stoneware
- 822 Porcelain
- 823 Technology of ceramic decoration. Glazes, engobes, colors
- Architectural ceramics
- 825 General works
- Bricks and brickmaking
- Cf. TA432+ Properties of bricks
- Special countries
- 826 United States
- 826.5.A-Z Other countries, A-Z
- General works
- 827.A1 Early to 1800
- 827.A2-Z 1800-
- 827.5 Juvenile works
- 828 General special
- 829 Brickmaking machinery, etc.
- 831 Pressed brick
- 832.A-Z Other varieties. By name, A-Z
- 832.A35 Adobe brick
- 832.C5 Clinker brick
- 832.C6 Cob
- 832.F5 Firebrick
- 832.G6 Glazed brick
- 832.G7 Granite brick
- 832.H7 Hollow brick
- 832.L7 Lock-joint brick
- 832.S2 Sand-lime brick
- 833 General catalogs
- 835 Terra-cotta
- Cf. TA432+ Properties of terra-cotta
- 837 Tiles
- Cf. NA3705 Architectural decoration
- Cf. NK4670+ Art industries
- Cf. TA432+ Properties of tile
- Cf. TH8521+ Tile laying and tile decoration
- Cf. TT927 Tile craft
- 838 Fireclay products and other refractories
- Cf. TA418.26 Engineering properties of refractories
- Cf. TA455.F5 Engineering properties of fireclay
- Cf. TN677+ Metallurgical plants. Metallurgical furnaces
 and refractory materials
- Cf. TP832.F5 Firebricks

- Clay industries. Ceramics. Glass
 Architectural ceramics -- Continued
- 839 Draintile. Sewer pipe
 Including those made of clay, cement, etc.
 Cf. TA447 Testing
 Cf. TD682 Sewers
 Cf. TP885.P5 Cement pipe
 Salt glazes, etc. see TP812.A1+
- Kilns
 Cf. TT924 Pottery craft
- 841 General works
 842.A-Z Special, A-Z
 842.H7 Hoffman's kiln
 842.T8 Tunnel kilns
- Glass and glassmaking
 Cf. NK5100+ Art industries
- 845 Periodicals, societies, etc.
 Cf. TP785 Ceramics and glass
- Exhibitions. Museums
- 846.A1 General works
 846.A2-Z By region or country, A-Z
 Subarrange each country by Table T4b
- 847 Directories
 848 Collected works (nonserial)
- History
- 849 General works
 850 Ancient
 851 Medieval
 852 Modern
- Special countries
- United States
- 853.A1-.A3 General works
 853.A5-.W Special states, A-W
 854.A-Z Other countries, A-Z
- 855 Study and teaching
- General works
- 856 Early to 1800
 857 1800
- 857.3 Popular works. Juvenile works
 857.5 Tables, calculations, etc.
- 858 General special
 Including safety measures, patents, etc.
- Analysis see QD139.G5
- 858.2.A-Z Special aspects, A-Z
 858.2.M37 Mathematical models

- Clay industries. Ceramics. Glass
 Glass and glassmaking -- Continued
- 859 Glassblowing, manipulation, etc.
 Cf. QD63.G5 Chemical laboratory manipulation
 Cf. TT298 Glass craft
- 859.5 Machinery, furnaces and other special equipment
- 859.7 Waste glass. Glass recycling
- 860 Plate glass
- 860.5 Glass fibers
 Cf. TA450 Engineering materials
 Cf. TS1549.G5 Textile industries
- 861 Cut glass
- 861.5 Colored glass
- 862 Other special varieties of glass
 Ornamental glass used in buildings, etc.
 Cf. NK5300+ Decorative arts
 Cf. TH8271+ Decoration of buildings
 Cf. TT298 Handicrafts
- 863 General works
- 864 Sand-blast process
- Glassware. Articles made of glass
 For early American pressed glass see NK5112
- 865 General works
- 866 Bottles
 Cf. TP659.A1+ Bottling
- 867 Mirrors and mirror-frames
 Optical glass see QC375
- 867.3 Glass-ceramic pipe
- 868 General catalogs and trade publications
- 869 Soluble glass. Water glass
- 870 Artificial minerals
- 871 Artificial stone
 Cf. TP832.G7 Granite brick
 Cf. TP832.S2 Sand-lime brick
 Cf. TP875+ Cement industries
- Artificial gems
- 873 General works
- 873.5.A-Z Special, A-Z
- 873.5.D5 Diamonds
- Cement industries. Cement, lime, mortar, plaster, etc.
 Including industrial processes only
 For engineering properties and on-site preparation see
 TA434+
- 875 Periodicals, societies, etc.
 Directories
- 876.A2 General works
- 876.A4-Z By region or country, A-Z

Cement industries. Cement, lime, mortar, plaster, etc. --

Continued

877

General works

Special countries

United States

879.A1

General works

879.A2-.W

States, A-W

880.A-Z

Other countries, A-Z

Cement manufacture

Including concrete when used for the factory-made products
provided for in TP885

881

General works

882

Plants and equipment

882.3

Analysis of cement

883

Portland cement

884.A-Z

Other special, A-Z

884.A3

Additives

884.A48

Alumina cement

884.A8

Asbestos cement

884.A85

Asphalt concrete

884.C5

Clinker concrete

884.L5

Lightweight concrete

884.M2

Magnesia cements

884.R7

Roman cement

884.S3

Sand-lime products

884.S6

Slag cement

884.S85

Sulfur cement

Articles of cement or concrete

Class here factory made products only

Cf. TT295 Handicrafts

885.A2

General works

885.A5-Z

Special. By name, A-Z

885.C7

Concrete blocks and slabs

Cf. TH1491 Concrete block building construction

885.F7

Fountains

885.G3

Garden furniture

885.L3

Lampposts

885.M7

Monuments

885.P5

Pipe and tile

Cf. TA447 Pipes of cement and clay

Cf. TP839 Drain tile and sewer pipe

Sidewalks, curbs see TE291

885.T7

Trusses

886

Lime and limekilns

Cf. TP841+ Kilns

887

Mortar

- Cement industries. Cement, lime, mortar, plaster, etc. --
Continued
- 888 Plaster and other gypsum products
Cf. TH8135+ Building trades
- 889 Magnesia industries
Textile bleaching, dyeing, printing, etc.
Cf. TS1474.5 Textile chemistry
Cf. TT852+ Textile crafts
- 890 Periodicals, societies, etc.
- 890.5 Congresses
- 891 Directories
- 892 Theory
Including color combinations, etc.
- 893 General works
Bleaching, cleaning, scouring
- 894 General works
- 894.5 Bleaches
- 895 Cleaning
Cf. TP932+ Commercial garment cleaning
Cf. TP990+ Cleaning compounds
- Dyeing
Cf. NK9500+ Textile decoration
- 897 General works
Dyeing of cotton see TP930+
- 899 Dyeing of wool
- 901 Dyeing of silk
- 902 Dyeing of artificial silk
- 903 Dyeing of linen
- 904 Dyeing of synthetic textile fibers
Dyeing of fur see TS1060+
Dyeing of leather see TS967
Dyeing of paper see TS1118.D9
- 907 Special colors. Effects, shades, not dyes
Including khaki, etc.
- 908 Dyeing of special articles
Garment dyeing, Commercial see TP932+
Garment dyeing, Home see TT853+
- Dyes
Periodicals, societies, etc. see TP890
- 910 General works
Artificial dyes
- 913 General works
- 914 Coal-tar colors. Aniline dyes. Azo dyes
- 915 Anthracene dyes
- 918.A-Z Other special dyes, A-Z
- 918.A4 Alizarin
Alizarin black see TP918.N2

Textile bleaching, dyeing, printing, etc.

Dyeing

Dyes

Artificial dyes

Other special dyes, A-Z -- Continued

- 918.A5 Aniline black
- 918.A6 Anthraquinones
- Artificial indigo see TP924
- 918.A9 Azo dyes
- 918.C37 Carbazoles
- 918.C9 Cyanines
- 918.I5 Induline
- 918.N2 Naphthazarin. Alizarin black
- 918.P65 Polymethines
- 918.S8 Sulfur dyes
- 918.V37 Vat dyes

Natural dyes

- 919 General works
- Indigo
 - 923 General works
 - 924 Artificial indigo
- Other special dyes, A-Z
 - 925.A-Z Catechu
 - 925.C38 Cochineal
 - 925.C63 Kamala
 - 925.K35 Madder
 - 925.M33 Purple
 - 925.P9 Safflower
 - 925.S23 Woad
 - 925.W8
- 927 Mordants
- 929 Miscellaneous

Textile printing. Calico printing. Cotton dyeing

Cf. NK9500+ Textile decoration

Cf. TS1475 Textile design

- 930 General works
- 930.5 Machinery
- 931.A-Z Special, other than cotton or calico, A-Z
 - 931.C2 Carpet yarns
 - 931.S6 Silk fabrics

Commercial garment cleaning and dyeing

Cf. TT853+ Textile crafts

Cf. TT980+ Laundry

- 932 General works
 - 932.3 Dry cleaning
 - 932.5 Wet cleaning
 - 932.6 Spotting
- 933 Feather renovating, etc.

- Paints, pigments, varnishes, etc.
 Class here manufacture only
 Cf. ND1500+ Fine arts
 Cf. TT300+ Industrial painting
- 934 Periodicals, societies, congresses, etc.
 934.3 Dictionaries and encyclopedias
 934.5 Directories
 General works
 Documents
 United States
 Serial
 Special. By date
 By state, A-W
 Other countries, A-Z
 Nonofficial works
- 935.A2U4-.A2U5 Paints and pigments. Zinc oxide. Iron oxide
 935.A2U6 Cf. TP682 Linseed oil
 935.A3A-.A3W Cf. TP951 Blacks (Pigments)
 935.A4A-.A4Z Cf. TP977+ Turpentine, etc.
 935.A5-Z General works
- 936 Paint analysis, testing, etc.
 936.5 Catalogs
 937 Paint machinery
 Including machines used for grinding, mixing, etc.
 937.7 Driers, thinners, fillers, etc.
 937.8 Paint removers
 938 Varnishes. Shellac
 939 Lacquers and enamels
 940 Polishes
 941 Putty
 942 Japanning materials
 944 Blacking materials
 945 High solids coatings
- Ink manufacture
 Cf. Z45 History of writing materials
 Cf. Z112 Paleography
- 946 General works
 947 History
 948.A-Z Particular inks. By name, A-Z
 Arnold's fluid
 948.A8 Printers' ink
 Cf. Z247 Printing
- 949 General works
 949.9 Catalogs of dealers
 949.95 Other special inks
 Including inks for recording instruments
- Miscellaneous organic chemical industries

Miscellaneous organic chemical industries -- Continued

- 950 General works
- 951 Blacks
Cf. TP245.C4 Carbon
- 953 Coal products, coal tar, etc.
Cf. TP914 Dyes
- 955 Dentifrices
Essences, essential oils and ethers
Cf. RS201.E7 Pharmacy
Cf. TP680+ Vegetable oils
- 958 General works
- 959.A-Z Special substances, A-Z
Attar of roses see TP959.R6
- 959.B4 Bergamot oil
- 959.C5 Citronella oil
- 959.C54 Citrus oils
- 959.E9 Eucalyptus oils
- 959.L4 Lemongrass oil
- 959.M8 Mustard oil
- 959.O7 Orange oil
- 959.P4 Peppermint oil
- 959.P5 Pine oil
- 959.R6 Rose oil. Attar of roses
- 959.S2 Sassafras oil
- Fertilizers
Cf. S631+ Use of fertilizers
Cf. TD772 Manufacture of fertilizer from sewage sludge
- 963 General works
- 963.4.A-Z Special fertilizers, A-Z
- 963.4.A38 Ammonium phosphate
- 963.4.A4 Ammonium sulfate
- 963.4.C3 Calcium cyanamide
- 963.4.N5 Nitrogen
- 963.4.S9 Superphosphates
- 963.4.U7 Urea
- 965 Gelatin
- Glue and other adhesives
Cf. TS857 Wood adhesives
- 967 Periodicals, societies, congresses, etc.
- 967.6 Directories
- 968 General works
- 970 Mucilage and pastes
- 971 Pressure-sensitive adhesives
- 973 Glycerin
- Gums and resins. Turpentine, etc.
Cf. TP1101+ Plastics
- 977 Periodicals

- Miscellaneous organic chemical industries
 Gums and resins. Turpentine, etc. -- Continued
- 978 General works
 979 Resinography
 979.5.A-Z Special, A-Z
 979.5.B4 Benzoin
 979.5.H93 Hydrocolloids
 Cf. TP456.H93 Food additives
 979.5.I6 Ion exchange resin
 979.5.P6 Polysaccharides
- Perfumes, cosmetics, and other toilet preparations
- 983.A1-.A5 Periodicals, societies, congresses, etc.
 983.A55 Dictionaries and encyclopedias
 983.A6 Directories
 Biography
 983.A65 Collective
 983.A66A-.A66Z Individual, A-Z
 983.A7-.Z4 General works
 983.Z5 Trade publications
 983.3 Cosmetic delivery systems
 984 Hair preparations
 Including shampoos, hair conditioners, etc.
 985 Antiperspirants, deodorants, etc.
 (986-987) Plastics
 see TP1101+
- 988 Sealing. Sealing compounds
 Soap, cleaning compounds, etc.
 Cf. TP895 Cleaning
- 990 General works
 991 Soaps
 992 Metallic soaps
 992.5 Other cleaning compounds
 993 Candles
 Cf. TP669+ Oils, fats, and waxes
 Cf. TS1980+ Lard, tallow, etc.
 Cf. TT896.5 Handicraft
- 994 Surface active agents
 Utilization of wastes
 Prefer field of application
 Cf. TS169 Waste control
- 995.A1 Periodicals, societies, etc.
 995.A2-Z General works
 996.A-Z Special, A-Z
 996.B3 Bagasse
 996.C6 Corncobs
 996.C7 Cornstalks
 996.C75 Cotton

- Utilization of wastes
 Special, A-Z -- Continued
- 996.F5 Fish
 996.T5 Tin
 996.W6 Wood
 Cf. TS875 Fiberboard, particle board, etc.
- 997 Wood distillation
 Cf. TS920+ Chemical processing of wood
- Polymers and polymer manufacture
 Cf. QD281.P6 Polymerization (Chemistry)
 Cf. QD380+ Polymer chemistry
 Cf. TA455.P58 Engineering materials
 Cf. TP156.P6 Polymerization (Chemical engineering)
- 1080 Periodicals, societies, etc.
 1081 Congresses
 1087 General works
 1088 Popular works
 1089 Juvenile works
 1091 Handbooks, tables, etc.
 1092 General special
 Technical processes see TP1150+
 Special polymers see TP1180.A+
 Special forms see TP1183.A+
 Special products see TP1185.A+
 Elastomers, synthetic rubber see TS1925
 Synthetic fibers see TS1548.2+
 Plastics
 Cf. HD9661+ Economics
 Cf. TA455.P5+ Engineering materials
 Cf. TA668 Structural engineering
 Cf. TJ1194 Materials used in machine and hand tools
 Cf. TT297+ Plastic craft
- 1101 Periodicals, societies, etc.
 (1103) Yearbooks
 see TP1101
- 1105 Congresses
 Exhibitions. Museums
- 1107.A1 General works
 1107.A2-Z By region or country, A-Z
 Subarrange each country by Table T4b
- 1109 Collected works (nonserial)
 1110 Dictionaries and encyclopedias
 1111 Plastics literature
 1112 Directories
 1114 Patents
 History
- 1116 General works

Polymers and polymer manufacture

Plastics

History -- Continued

Special countries

1117 United States

1118.A-Z Other countries, A-Z

Biography

1119.A1 Collective

1119.A2-Z Individual, A-Z

1120 General works

1122 General special

1124 Popular works

1125 Juvenile works

Study and teaching

1127 General works

1129 Laboratory manuals

1130 Handbooks, manuals, tables, etc.

1132 Catalogs

1135 Plastics plants and equipment

1140 Technical chemistry of plastics (Analysis)

For testing for mechanical properties see TA455.P5+

For use of plastics in fireproof construction see TH1074

1142 Additives

For plasticizers see TP247.7

1145 Handling, packing, etc.

1148 Safety measures

Technical processes

For general works see TP1120

Molding and casting

1150 General works

1151.A-Z Special molding and casting processes, A-Z

1151.I55 Injection blow molding

1151.T48 Thermoforming

1155 Machining and cutting

1160 Welding

1165 Joining and bonding

1170 Finishing and decorating

1175.A-Z Other processes, A-Z

1175.C3 Calendering

1175.E9 Extrusion

1175.M4 Metal coating

1175.M5 Mixing

1175.P84 Pultrusion

1175.R43 Recycling

1175.S6 Spraying with plastics

Reinforced plastics

1177 General works

Polymers and polymer manufacture

Plastics

Reinforced plastics -- Continued

| | |
|------------|--------------------------------------|
| 1177.5.A-Z | Special reinforcement materials, A-Z |
| 1177.5.A8 | Asbestos |
| 1177.5.F5 | Fibers |
| 1177.5.G5 | Glass |
| 1180.A-Z | Special plastics, A-Z |
| 1180.A15 | ABS resins |
| 1180.A33 | Acetal resins |
| 1180.A35 | Acrylic resins |
| 1180.A5 | Aminoplastics |
| 1180.B3 | Bakelite |
| 1180.B55 | Biodegradable plastics |
| 1180.C2 | Casein |
| 1180.C4 | Cellophane |
| 1180.C5 | Celluloid |
| 1180.C6 | Cellulose |
| 1180.D45 | Dendrimers |
| 1180.D5 | Diallyl phthalate |
| 1180.E6 | Epoxy resins |
| 1180.F5 | Fiberloid |
| 1180.F6 | Fluorocarbons |
| 1180.F8 | Furans |
| 1180.G8 | Gum plastics |
| 1180.I5 | Indene resins |
| 1180.L8 | Lucite |
| | Nylon see TP1180.P55 |
| 1180.P39 | Phenolic resins |
| 1180.P4 | Phenolite |
| 1180.P5 | Plexiglas |
| 1180.P53 | Polyacetylenes |
| 1180.P54 | Polyacrylamides |
| 1180.P55 | Polyamides. Nylon |
| 1180.P553 | Polyaryethers |
| 1180.P555 | Polybischloromethyloxetane |
| 1180.P56 | Polybutenes |
| 1180.P57 | Polycarbonates |
| 1180.P6 | Polyesters |
| 1180.P65 | Polyethylene |
| 1180.P653 | Polyethylene glycol |
| 1180.P655 | Polyethylenimine |
| 1180.P66 | Polyimides |
| 1180.P666 | Polymer liquid crystals |
| 1180.P67 | Polyolefins |
| 1180.P678 | Polyphenylene oxide |

Polymers and polymer manufacture

Plastics

Special plastics, A-Z -- Continued

- 1180.P68 Polypropylene
- 1180.P685 Polystyrene see TP1180.S7
- 1180.P7 Polysulphides
- 1180.P8 Polytetrafluorethylene
- 1180.P8 Polyurethanes
- 1180.S7 Polyvinyl see TP1180.V48
- 1180.S7 Styrene. Polystyrene
- 1180.T4 Tenite
- 1180.T5 Thermoplastics
- 1180.T55 Thermosetting plastics
- 1180.U7 Urea-formaldehyde resins
- 1180.V42 Vinidur
- 1180.V48 Vinyl. Polyvinyl
- 1180.W37 Water-soluble polymers
- 1183.A-Z Special forms, A-Z
- 1183.B3 Bars
- 1183.F5 Films
- 1183.F6 Foamed plastics
- 1183.L3 Laminated plastics
- 1183.M5 Microcrystalline polymers
- 1183.P68 Powders
- Reinforced plastics see TP1177+
- 1185.A-Z Special products, A-Z
- (1185.C6) Containers
 - see TS198.3.P5
- (1185.E4) Electric apparatus and appliances
 - see TK454.4.P55
- (1185.E5) Electric insulators
 - see TK3441.P55
- 1185.E9 Eye protectors
- 1185.F8 Furniture
- 1185.H4 Helmets
- Lenses for optical instruments see TS517.5.P5
- 1185.M3 Machine parts
- 1185.P5 Pipe
 - Cf. TA448 Testing of plastic pipe
 - Cf. TH6330 Plastic pipes in plumbing
- 1185.R46 Resins
- 1185.S65 Sporting surfaces
- 1185.T3 Tanks
- 1185.T5 Tiles

- Photography
 Cf. BP190.5.A7 Islam and photography
- 1 Periodicals. Societies. Almanacs. Yearbooks
- 5 Congresses
 Exhibitions. Museums
 Cf. TR646.A+ Exhibitions of artistic photography
- 6.A1 General works
- 6.A2-Z By region or country, A-Z
 Subarrange each country by Table T4b
- 6.5 Collectors' manuals. Collections of old photographs and
 photographic equipment
- 7 Collected works (nonserial)
- 9 Dictionaries. Encyclopedias
 Communication of photography information
- 10 General works
- 11 Computer network resources
 Including the Internet
- 12 Directories. Bluebooks
- 15 History (General)
- 21-127 Country divisions (Table T1a)
 Add country number in table to TR0
- Biography
 Prefer TR650+ for collections of artistic photographs by one
 photographer where biographic material is slight
- 139 Collective
- 140.A-Z Individual, A-Z
- General works
- 144 Early to 1850
- 145 1850-
- 146 Elementary works. Handbooks, manuals, etc.
- 147 General special
 Including manipulation, causes of failures, etc.
- 148 Photographic amusements. Trick photography. Special effects
- 149 Popular works. Juvenile works
- 150 Photographers' reference handbooks
- 151 Tables, formulas, etc.
- 154 Photography as a profession
- 161 Study and teaching
- 162 Examinations, questions, etc.
- 179 Composition
- 183 Psychology, aesthetics, etc.
 Cf. TR640+ Artistic photography
- 184 Political aspects
- 185 Addresses, essays, lectures
- 187 Photographic criticism
- (193-195) Law. Legislation
 see class K

- Materials, supplies, etc.
- 196 General works
Including testing
- 196.5.A-Z Special companies, A-Z
- 197 Catalogs of apparatus
- 198 Catalogs of materials and supplies
- 199 Catalogs of photographs (General)
For catalogs of photographs on specific subjects, see the subject
For catalogs of photographs treated as an information resource see ZA4650+
Cf. TR640+ Artistic photography
- Theory of photographic processes in general
- 200 General works
Photographic chemistry and chemicals
- 210 General works
- 212 Photographic chemicals
Photographic physics
- 215 General works
- 220 Photographic optics
- 222 Properties of the photographic image. Image science
- 225 Recovery of photographic waste
- Cameras
- 250 General works
Prefer TR263 for special makes of cameras
Motion picture cameras see TR880
- 256 Digital cameras
- 257 Medium format cameras
- 257.5 Streak cameras
- 258 View cameras
- 259 Stereoscopic cameras
- 260 Hand cameras
- 260.5 Automatic cameras. Electric eye cameras
- 260.7 Autofocus cameras
- 261 Reflex cameras
- 262 Miniature cameras
- 263.A-Z Special makes of cameras, A-Z
- 263.C5 Ciro-flex
- 263.E75 Ernemann
- 263.S66 Sony
- 263.Y3 Yashica
- 265 Camera accessories
Catalogs see TR197
- Digital photography
Cf. TR502 Photo CDs
- 267 General works
- 267.5.A-Z Special software, A-Z

- 268 Pinhole photography
 269 Instant photography
 Lenses
 270 General works
 271.A-Z Special, A-Z
 271.M33 Macro
 Cf. TR684 Macrophotography
 271.T44 Telephoto
 Cf. TR770 Telephotography
 271.W53 Wide-angle
 Cf. TR687 Wide-angle photography
 271.Z65 Zoom
 272 Shutters
 Sensitive surfaces
 Including sensitometry
 280 General works
 281 Plates
 283 Films
 285 Papers
 Photographic processing. Darkroom technique (General)
 287 General works
 Treatment of negatives
 290 General works
 295 Development
 299 Intensification and reduction
 305 Fixing and washing
 310 Finishing, retouching
 312 Contact prints
 Treatment of positives
 320 General works
 Printing
 330 General works
 333 By electric or other artificial light
 335 Fixing. Toning. Intensification
 337 Finishing
 340 Trimming, mounting and framing of prints
 Photographic processes
 350 General works
 Direct positives
 360 General works
 365 Daguerreotype
 370 Ambrotype
 375 Ferrotypes (Tintypes)
 Processes with salts of silver
 385 General works
 390 Collodion process
 395 Emulsion processes. Aristotypes, calotypes, etc.

- Photographic processing. Darkroom technique (General)
- Photographic processes
- Processes with salts of silver -- Continued
 - 400 Other processes. Salts of silver and other metals
 - Including kallitype
 - Processes with salts of iron
 - 405 General works
 - 415 Blueprints from photographic negatives. Cyanotypes
 - Cf. TR921 Industrial blueprints
 - 420 Processes with salts of platinum
 - Processes with salts of metals
 - 430 General works
 - 433 Chromium. Ozotype, etc.
 - 440 Carbon processes. Pigment processes
 - 443 Oil processes. Bromoil
 - 445 Gum-bichromate process. Photoaquatint
 - 453 Photography of colored objects. Orthochromatic,
 - isochromatic, etc.
 - Cf. TR510+ Color photography
 - 455 Other processes
 - 465 Conservation and restoration of photographs
 - 470 Copying
 - Cf. TR825 Reproductions (photocopying)
 - Cf. TR835 Reproductions (microfilming)
 - Cf. TR900+ Reproductions (industrial)
 - 475 Enlargement and reduction
 - Cf. TR905 Industrial reproduction
 - 485 Coloring of prints. Airbrush work, etc.
 - 487 Photo-oleographs
 - 495 Photographs on metal, glass, cloth, leather, etc.
 - 500 Photoenamels. Photoceramics
 - 501 Photograph albums
 - 502 Photo CDs
 - Transparencies. Diapositives
 - 504 General works
 - 505 Lantern slides
 - Projectors
 - Cf. TR890 Motion picture projectors
 - 506 General works
 - 507 Catalogs
 - 508 Overhead projectors
 - Color photography
 - Cf. TR453 Photography of colored objects
 - 510 General works
 - 515 Materials, supplies, etc.
 - Including testing
 - 520 Tricolor

- Color photography -- Continued
- 525 Interference. Lippmann's process
- General darkroom procedures. Processing of exposed film
- 530 General works
- Treatment of positives
- 540 General works
- 545 Printing
- Studio and laboratory
- 550 General works
- 560 Darkrooms
- 570 Accessories and apparatus
- 573 Studio lighting
- Portrait photography
- Cf. TR680+ Artistic photography
- 575 General works
- 577 Advice to sitters
- 581 Business methods
- Lighting
- Cf. TR573 Studio lighting
- Cf. TR891 Lighting for motion pictures
- Artificial and natural
- 590 General works
- 590.5 Light filters
- Exposures
- 591 General works
- 592 Instantaneous
- Including exposures of one thousandth of a second or longer
- 593 High speed
- Including exposures shorter than one thousandth of a second
- 594 Multiple exposures
- Including exposure bracketing and high dynamic range imaging
- 595 Daylight
- 600 Artificial light
- Flashlight. Flash photography
- 605 General works
- 606 Electronic flash
- 610 Night views
- 615 Open air views
- 620 Interiors

Applied photography

Class here techniques for taking and using photographs in special fields

Collections of photographs in special fields are normally classed with the field, e.g., pictorial works in natural history in QH46 views of modern Greece in DF719 pictorial works on North American Indians in E77.5

For collections of artistic photographs, however, or collections where the artistic intent is more overriding than the actual subject content see TR640+

Periodicals, exhibitions, dictionaries, etc.
see TR1+

624

General works

Artistic photography

640

Periodicals, societies, congresses, etc.

642

General works

Exhibitions

Prefer TR650+ for collections of photographs

Works of more than one photographer

United States

644

General works

645.A-Z

By city, A-Z

Under each city:

.x *General works*

.x2A-.x2Z *By museum, A-Z*

646.A-Z

Other regions or countries, A-Z

Subarrange each country by Table T4a

647.A-Z

Works of individual photographers. By name of
photographer, A-Z

Under each photographer, arrange by date of exhibition

Collections

650

General works

By period

651

1800-1850

652

1851-1900

653

1901-1950

654

1951-2000

655

2001-

656

Abstract photography

656.5

Still life photography

Cf. TR721+ Nature photography

Photography of art

657

General works

658

Paintings

658.3

Sculpture

658.5

Photography of handicraft

- Applied photography
- Artistic photography -- Continued
- 659 Architectural photography
 - Cf. NA2543.P46 Architecture and photography
- 659.5 Outdoor photography
- 659.8 Street photography
- Landscape photography
- 660 General works
- 660.5 Collections
- 661 Panoramic views
- 662 Gardens
- Marines. Seashore photography. Water
- 670 General works
- 670.5 Ships, boats, etc.
- 672 Mines
- Human figures. Photography of the nude
- 674 General works
- 675 Collections
- 676 Erotic photography
- 678 Glamour photography
- 679 Fashion photography
- 679.5 Humorous photography
- Portraits
 - Cf. TR575+ Portrait photography
- 680 Collections
- 681.A-Z Special classes of persons, A-Z
- 681.A26 Acrobats
- 681.A35 Aged. Older people
- 681.A38 AIDS patients
- 681.A67 Architects
- 681.A69 Artisans
- 681.A7 Artists
- 681.A75 Asians
- 681.A84 Athletes
- 681.A85 Authors
- 681.A94 Automobile drivers
- 681.B35 Bald persons
- 681.B37 Baseball players
- 681.B54 Blind
- 681.B57 Bodybuilders
- 681.B6 Boys
- 681.C5 Children
- 681.C62 Coal miners
- 681.C66 Cooks
- 681.C68 Couples
- Dancers see GV1785.A+
- Daughters and fathers see TR681.F33

Applied photography

Artistic photography

Portraits

Special classes of persons, A-Z -- Continued

| | |
|-----------|--|
| 681.D43 | Dead |
| 681.D63 | Dog owners |
| 681.D74 | Dramatists |
| 681.E94 | Exiles |
| 681.F28 | Families |
| 681.F3 | Famous persons |
| 681.F32 | Father and child |
| 681.F33 | Fathers and daughters |
| 681.F34 | Fathers and sons |
| | Foreign visitors see TR681.V58 |
| 681.G5 | Girls |
| 681.G73 | Grandmothers |
| 681.G9 | Gypsies |
| 681.H35 | Handicapped. People with disabilities |
| 681.H63 | Homeless persons |
| 681.H65 | Homosexuals |
| 681.I54 | Immigrants |
| 681.I58 | Indigenous peoples |
| 681.I6 | Infants |
| 681.J35 | Janitors |
| 681.L4 | Legislators |
| 681.L44 | Leisure class |
| 681.L47 | Letter carriers |
| 681.M4 | Men |
| 681.M44 | Merchants |
| 681.M65 | Monsters |
| 681.M67 | Mothers |
| 681.M69 | Motorcyclists |
| 681.M72 | Mountain people |
| (681.M86) | Musicians see ML87-ML88 |
| 681.N54 | Night people |
| | Older people see TR681.A35 |
| | People with disabilities see TR681.H35 |
| 681.P56 | Photographers |
| 681.P58 | Poker players |
| 681.P6 | Poor |
| 681.P67 | Pregnant women |
| 681.P69 | Prisoners |
| 681.P73 | Prostitutes |
| 681.P76 | Psychiatric hospital patients |
| 681.P84 | Punks |
| 681.R44 | Redheads |
| 681.R48 | Refugees |

- Applied photography
 - Artistic photography
 - Portraits
 - Special classes of persons, A-Z -- Continued
 - Romanies see TR681.G9
 - Sailors
 - Scholars
 - Scientists
 - Skinheads
 - Snapshoters
 - Sons and fathers see TR681.F34
 - Students
 - Swimmers
 - Terminally ill
 - Transvestites
 - Twins
 - Visitors, Foreign
 - Women
 - Women clerks (Retail trade)
 - Working class
 - Youth
 - 682 Photographic patterns. Textures
 - Close-up photography
 - General works
 - Table-top photography
 - 684 Macrophotography
 - 685 Composite photography. Photomontage
 - 686 Photography of the grotesque
 - 687 Wide-angle photography
 - 688 Photograms
 - Commercial photography
 - Cf. TR550+ Studio and laboratory
 - General works
 - 690.2 Freelance photography. Amateur photography for profit
 - Cf. TR820 Photojournalism
 - 690.4 Advertising photography
 - 690.6 Stock photography
 - Scientific and technical applications
 - General works
 - 692.5 General special
 - Photogrammetry
 - Cf. TA592+ Photography in surveying
 - Cf. TR810 Aerial applications
 - 693 General works
 - 695 Tables, formulas, etc.
 - 696 Instruments, equipment, etc.
 - 702 Photography in engineering

- Applied photography
 Scientific and technical applications -- Continued
- 706 Industrial photography
 708 Medical photography
 710 Scientific expeditions
 713 Space photography
 714 Photography of airplanes
 715 Photography of railroads
 Including model railroads
 716 Photography of automobiles
 Astronomical photography see QB121+
 Photomicrography see QH251
 Nature photography
 Cf. QH46 Pictorial works in natural history
- 721 General works
 Plants, flowers, etc.
 724 General works
 726.A-Z Special subjects, A-Z
 726.B3 Bark
 726.F85 Fungi
 726.L42 Leaves
 726.L66 Lotus
 726.O73 Orchids
 726.R66 Roses
 726.T7 Trees
- Animals
 727 General works
 729.A-Z Special subjects, A-Z
 729.B5 Birds
 729.C3 Cats
 729.D6 Dogs
 729.F5 Fish
 729.H6 Horses
 729.I6 Insects
 729.L5 Livestock
 729.P74 Primates
 729.R47 Reptiles
 729.S54 Shells
 729.W54 Wildlife
- 732 Rocks
 732.5 Minerals
- Meteorological photography
 732.8 General works
 733 Clouds
- Agricultural photography
 739 General works
 739.5 Farms

- Applied photography
 - Scientific and technical applications
 - Agricultural photography -- Continued
 - 739.6 Grain elevators
 - 750 Radiography
 - Cf. QD945 X-ray crystallography
 - Cf. RC78+ Medical radiography
 - Cf. TA417.5 Radiographic examination
 - Cf. TR896.8 Cinderradiography
 - 755 Infrared photography
 - 757 Polarized-light photography
 - 760 Kirlian photography. High voltage photography
 - 770 Telephotography
 - 775 Archaeological photography
 - 780 Stereophotography
 - Cf. TR858 Stereoscopic motion pictures
 - (785) Military photography
 - see UG476
 - Geographical applications
 - 786 General works
 - 787 Mountain photography
 - 788 Subterranean photography. Cave photography
 - Cf. TR672 Photography of mines
 - 790 Travel photography
 - 792 Cold weather photography
 - 795 Tropical photography
 - 800 Underwater photography
 - Cf. GC10.4.P5 Photography in oceanography
 - 810 Aerial photography. Photographic interpretation
 - Cf. G70.4 Remote sensing in geography
 - Photography in library science see Z681+
 - 816 Audiovisual photography. Photography in education
 - 817 Stage photography. Theater photography
 - 817.5 Dance photography
 - Cf. GV1596 Pictorial works
 - Cf. GV1785.A+ Portraits of dancers
 - 818 School photography
 - 819 Wedding photography
 - Cf. HF5439.W4 Salesmanship
 - 820 Photojournalism
 - 820.5 Documentary photography
 - Cf. D16.155 Photography in historiography
 - 820.6 War photography
 - 821 Sports photography
 - 822 Photography in criminology and law
 - Cf. KF8968 Photographic evidence (U.S.)

Applied photography -- Continued

Photographic reproduction. Photocopying processes

Cf. Z265+ Printing

824

General works

824.4

Dictionaries. Encyclopedias

824.6

Directories

Industrial reproduction see TR900+

Map reproduction see GA150.7

Photomechanical processes see TR925+

Photography of art objects see TR657+

825

Photography of manuscripts, historic documents, etc.

835

Microfilming. Microphotography

Including standards

Class here works on the operation and use of equipment to
make microforms or other images too small to be seen by
the naked eyeFor works on the design and use of books, documents,
computer-output data, etc., in a microform format
see Z265.5.M53

For micropublishing see Z286.M5

840

Chronophotography

Cf. TR857 Time lapse cinematography

Cinematography. Motion pictures. Video recording

Cf. NC1765+ Cartoons

Cf. PN1993+ Drama

Cf. TR592 Instantaneous photography

Cf. UF840 Photochronograph in ballistics

845

Periodicals. Societies. Collections

846

Congresses

847

Dictionaries and encyclopedias

847.5

Directories

848

History

Biography

Including inventors, projectionists, etc.

For producers, directors, etc. see PN1998.3.A+

For actors and actresses see PN2287.A+

849.A1

Collective

849.A2-Z

Individual, A-Z

850

Treatises

851

Elementary and juvenile works

851.8

Tables, calculations, etc.

852

Study and teaching

Special photographic processes

853

Color cinematography

854

3-D films. Stereoscopic motion pictures

Including true 3-D and simulated 3-D

855

Wide-screen processes

- Cinematography. Motion pictures. Video recording
 Special photographic processes -- Continued
- 857 Time-lapse photography
- 858 Trick cinematography. Special effects
- 859 Front-screen projection
- 860 Digital cinematography
 Including the use of digital video for purposes of making a
 motion picture product
- 862 High definition video recording
- Motion picture machines
- 878 General works
- 880 Motion picture cameras. Cinematograph
 Electronic cameras. Television cameras
- 882 General works
- 882.3 Camcorders
 Cf. TK6655.V5 Television equipment
 Cf. TR896+ Home video photography
- 882.5 Television camera operation
- 883.A-Z Special makes of motion picture cameras, A-Z
 e.g.
- 883.B6 Bolex
- 885 Other special machines
 Including kinoscope, photochronograph, etc.
- Motion picture film
- 886 General works
- 886.2 Processing of exposed film
- 886.3 Preservation
- 886.5 Splicing
- 886.7 Dubbing
- 886.9 Titling
 Cf. PN1995.9.C65 Credit titles
 Cf. PN1995.9.T57 Titles of motion pictures
- 887 Catalogs, etc.
- 889 Classification
- 890 Projection
- 891 Lighting for motion pictures
 Including lighting for video recording
 For lighting for television broadcasting see PN1992.8.L5
 Cf. TR590+ Lighting
- Applied cinematography
- 892 General works
- 892.4 Artistic cinematography
- 892.7 Educational cinematography
 Cf. LB1044 Audiovisual education
- Scientific cinematography
- 893 General works
 Microcinematography see QH46

- Cinematography. Motion pictures. Video recording
- Applied cinematography
 - Scientific cinematography -- Continued
 - (893.2) Medical cinematography
 - Nature cinematography
 - 893.4 General works
 - 893.5 Wildlife cinematography
 - 893.8 Underwater cinematography
 - 894 Industrial cinematography
 - Commercial cinematography
 - 894.3 General works
 - 894.4 Freelance cinematography
 - 894.6 Advertising cinematography
 - 895 Newsreel cinematography
 - Cf. PN4784.M6 Motion-picture journalism
 - 895.4 Documentary cinematography
 - Cf. PN1995.9.D6 Drama
 - 895.6 Sports cinematography
 - Family cinematography. Amateur cinematography. Home video photography
 - 896 General works
 - 896.5 Vacation and travel cinematography
 - 896.8 Cineradiography
 - 897 Sound motion pictures
 - Animated motion pictures
 - Cf. NC1765+ Motion picture cartoons
 - 897.5 General works
 - Computer animation
 - 897.7 General works
 - 897.75 Morphing
 - 898 Motion pictures for television
 - Cf. PN1992.63 Drama
 - Cf. PN1992.8.F5 Films in television programming
 - Editing of motion pictures
 - 899 General works
 - 899.5 Time code
 - Industrial reproduction
 - 900 General works
 - 905 Enlargements
 - 910 Reductions
 - Direct reproductions on same scale
 - 915 General works
 - Processes for reproducing working drawings, plans, etc.
 - 920 General works
 - 921 Blue processes. Blueprints
 - 923 Black processes
 - Photomechanical processes

- Photomechanical processes -- Continued
- 925 General works
 - 927 Special applications. Book illustration, etc.
Collotype processes
 - 930 General works
 - 933 Albertype
 - 935 Autotype
 - 937 Heliotype
 - Photolithography
 - 940 General works
 - 950 Aluminium process
 - 955 Photozincography
 - 960 Photoxylography
 - 970 Photoengraving. Relief processes
 - 975 Halftone process
 - 976 Mezzograph
 - 977 Color processes
 - Cf. TR510+ Color photography
 - 980 Photogravure. Heliogravure. Intaglio process
Gelatine relief processes
 - 990 Photogalvanography
 - 995 Woodburytype. Photoglyptie
 - 997 Stannotype
 - (1010) Phototypesetting
 - see Z253.2
 - Electrophotography
 - 1035 General works
Electrostatic printing
 - 1042 General works
 - 1045 Xerography
 - 1050 Ferromagnetography

Manufactures

- Cf. HD9000+ Economics
- Cf. HF5686.M3 Accounting
- Cf. TP1+ Chemical technology
- Cf. TT1+ Handicrafts
- 1 Periodicals, societies, etc.
- 5 Congresses
- Museums and local exhibitions see T180+
- Exhibitions, national and international see T391+
- 7 Collected works (nonserial)
- 9 Encyclopedias and dictionaries
- Directories see T11.95+
- 15 History
- 21-127 Country divisions (Table T1a)
 - Add country number in table to TS0
 - Cf. T21+ Technology (General)
- Biography
- 139 Collective
- 140.A-Z Individual, A-Z
- General works
- 144 Early to 1800
- 145 1800-
- 146 Juvenile works. Popular works
- 147 Pictorial works
- Workshop manuals, etc. see TT153+
- Machinists' manuals see TJ1165
- Tables, receipts, etc. see T49
- 148 Addresses, essays, lectures
- 149 General special
- Production management. Operations management
 - Including factory management
- 155.A1 Periodicals, societies, etc.
- 155.A2-Z General works
 - Study and teaching see T56.4+
 - Manufacturing personnel
 - Cf. HF5549+ Personnel management
 - Cf. T55+ Plant safety
 - Cf. TA158+ Industrial technicians
 - 155.4 Plant supervisors
 - 155.5 Foremen
 - Data processing. CAD/CAM systems
 - 155.6 General works
 - 155.63 Computer integrated manufacturing systems
 - 155.65 Flexible manufacturing systems
 - 155.67 Parallel kinematic machines
 - 155.7 Environmental aspects
 - Control of production systems

Production management. Operations management

Control of production systems -- Continued

- 155.8 General works
- Quality control
 - Cf. TJ245.5 Quality control of machinery
- 156.A1 Periodicals, societies, etc.
- 156.A2-Z General works
- Inspection
 - 156.2 General works
 - 156.25 Grading
 - 156.4 Acceptance sampling
 - 156.6 Quality assurance
 - 156.8 Process control
 - Cf. TP155.75 Chemical process control
 - Production control
 - Cf. HF5415.2 Market research
 - Cf. TS176+ Production planning
- 157.A1 Periodicals, societies, etc.
- 157.A2-Z General works
- 157.4 Just-in-time systems
- Scheduling
 - Cf. HD69.T54 Industrial management
- 157.5 General works
- 157.7 Gantt charts
- 158 Critical path analysis
- 158.2 PERT
- 158.4 Line of balance technique
- 158.6 Automatic data collection systems
- Inventory control
 - Cf. HD39.5 Industrial procurement
 - Cf. HD40 Inventory policy
 - Cf. HD40.7 Surplus property
 - Cf. HF5484+ Warehousing and storage
- 160 General works
- 161 Materials management. Industrial ecology
- 162 Economic lot size. Economic order quantity
- 163 Stockkeeping
 - Cf. TS189.6 Storerooms. Warehouses
- Cost control
 - Cf. HD47.3 Economics
 - Cf. TA177.4+ Engineering economy
- 165 General works
- 166 Estimating
- 167 Manufacturing costs
- (167.5) Break-even point
 - see HD47.25
- 168 Value analysis. Value engineering

- Production management. Operations management
Control of production systems -- Continued
- 169 Waste control
Product engineering
 Cf. T59+ Standardization
 Cf. TS195+ Packaging
- 170 General works
Industrial research see T175+
- 170.5 Environmental aspects
Product design. Industrial design
- 171.A1 Periodicals, societies, congresses, etc.
Museums, exhibitions of local societies see T179+
Exhibitions, national and international see T391+
Special countries and designers see TS21+
- 171.A5-Z General works
- 171.4 General special
- 171.6 Pictorial works
- 171.8 Prototyping
- 172 Tolerances
 Cf. T50 Technical measurement
- 173 Reliability of industrial products
 Cf. TA169+ Systems reliability
- 174 Maintainability
- 175 Product safety. Safety of consumer products
 Cf. T55+ Industrial safety. Industrial accident
 prevention
 Cf. TA169.7 System safety
- 175.5 Product testing
Manufacturing engineering. Process engineering
 Including manufacturing planning, production planning
 Cf. HD58 Plant location
- 176 General works
- 177 Plant design. Factory planning
- 177.3 Plant size. Factory size
Plant layout
- 178 General works
- 178.2 Batch production
Production lines. Assembly line processes
- 178.4 General works
- 178.5 Line balancing
- 178.7 Operation sequence analysis
- Materials handling
- 180 General works
- 180.3 Machinery
- 180.5 Loading and unloading
In-plant transportation
- 180.6 General works

- Production management. Operations management
- Manufacturing engineering. Process engineering
- Materials handling
 - In-plant transportation -- Continued
 - 180.8.A-Z Special materials, A-Z
 - 180.8.B8 Bulk solids
- Planning for machinery. Equipment analysis
 - Cf. TS191.3 Installation of machinery
 - 181 General works
 - 181.3 Selection
 - 181.4 Tool life
 - 181.6 Replacement
- Manufacturing processes
 - Cf. TJ1180+ Tool engineering
 - 183 General works
 - Process planning
 - 183.3 General works
 - 183.6 Make-or-buy decisions
 - 183.8 Remanufacturing
- Plant engineering
 - Cf. T55+ Plant safety
 - Cf. T59.77 Working environment
 - Cf. TD895+ Factory sanitation
 - Cf. TD896+ Factory waste disposal
 - Cf. TH9445.M4+ Fire prevention in factories
 - Cf. TH9745.F3 Plant protection
 - 184 General works
 - 186 Factory buildings. Industrial buildings
 - Cf. NA6396+ Architecture
 - Cf. TH4511+ Factory construction
 - 187 Plant utilities
 - For specific utilities, see the utility, e.g. TH7392.M6 Heating of mills and factories
 - 188 Employee facilities and buildings
 - Plant service facilities
 - 189 General works
 - 189.3 Toolrooms and cribs
 - 189.6 Storerooms. Storage facilities. Warehouses
 - Plant grounds
 - 190 General works
 - 190.5 Industrial landscape architecture
- Machinery and equipment
 - 191 General works
 - 191.3 Installation
 - 191.6 Catalogs
 - 191.8 Industrial robots
 - Cf. TJ210.2+ Robots (General)

- Production management. Operations management
 Plant engineering -- Continued
- 192 Plant maintenance
 193 Plant housekeeping
 194 Plant performance monitoring
- Packaging
 For packaging of special products, see the product, e.g. TP374
 Packaging of food
 Cf. HF5770.A1+ Shipping of merchandise
 Cf. TA1215 Containerization of freight
- 195.A1 Periodicals, societies, congresses, etc.
 195.A2 Dictionaries and encyclopedias
 195.A3 Directories
 195.A4A-.A4Z Special companies. By name, A-Z
 195.A5-Z General works
 195.2 General special
 195.4 Design
 195.6 Standards and specifications
 195.8 Testing
- Management
 196 General works
 196.2 Costs
 196.4 Machinery
 Labeling
 196.6 General works
 196.7 Printing
 197 Handling
 197.5 Containers (General)
 198.A-Z Special containers and packaging methods, A-Z
 198.A3 Aerosols
 198.B3 Bags
 198.B6 Boxes
 Cf. TS900 Box making
 198.C3 Cans
 198.C33 Capsules
 198.C46 Child-resistant packaging
 198.F55 Flexible packaging
 198.I58 Insect-resistant packaging
 198.P7 Pressure packaging
 198.W7 Wrapping
- Materials
 198.2 General works
 198.3.A-Z Special materials, A-Z
 Prefer TS198
 198.3.A3 Adhesives. Tapes
 198.3.C6 Coatings
 198.3.F5 Films. Foils

Packaging

Materials

Special materials, A-Z -- Continued

198.3.G5

Glass

198.3.M4

Metal (non-foil)

198.3.P3

Paper. Paperboard

198.3.P5

Plastics (non-foil)

Tapes see TS198.3.A3

198.3.T5

Textile fabrics

198.3.W6

Wood

Packaging for protection from mechanical damage

Including packing for shipment

198.5

General works

198.6.A-Z

Special protective materials and shipping containers, A-Z

Prefer TS198

198.6.B3

Barrels

198.6.C6

Conex containers

198.6.C7

Crates

198.6.C8

Cushioning

198.6.D7

Drums

198.6.E9

Excelsior

198.6.P3

Pallets

Packaging for protection from exposure to harmful environments

198.7

General works

198.8.A-Z

Special environments, A-Z

198.8.C6

Corrosion

198.8.F8

Fungi

198.8.M6

Moisture

199

General catalogs

Metal manufactures. Metalworking

Including metal forming and working

200

Periodicals, societies, etc.

203

Directories

204

Dictionaries and encyclopedias

205

General works

207

Cold working

209

Heating of metals

Cf. TS325 Heating of steel

209.5

Hot working

210

Handbooks, tables, etc.

213

General special

214

Scrap metals

215

Metalworking machinery

Cf. TJ1180+ Machine and hand tools

Machining see TJ1180+

Metal manufactures. Metalworking -- Continued

Forging. Drop-forging

Cf. TT218+ Blacksmithing

225

General works

History

225.2.A1

General works

225.2.A5-Z

By region or country, A-Z

Joining of metals

226

General works

Bonding (Metal finishing) see TS718

Brazing (Handicrafts) see TT267

Fasteners see TJ1320+

Riveting (Iron and steel work) see TA891

Riveting (Machine shop practice) see TJ1325

Sealing (Machinery) see TJ246

Soldering (Tinsmithing) see TS610

Soldering (Handicrafts) see TT267

Welding

Cf. TA492.W4 Welded joints

Cf. TT211 Welding in mechanical arts

227.A1

Periodicals, societies, etc.

227.A3-Z

General works

227.2

General special

227.3

Hard-facing

227.4

Directories

227.5

Dictionaries and encyclopedias

227.55

Examinations, questions, etc.

227.6

Research

227.7

Vocational guidance

227.8

Safety measures

Gas welding. Oxyacetylene welding

228.A1

Periodicals, societies, etc.

228.A2-Z

General works

228.2

Oxygen cutting

(228.4-.7)

Electric welding, arc welding, resistance welding

see TK4660

(228.8)

Electric cutting

see TK4660.5

228.9

Pressure welding

228.92

Ultrasonic welding

228.95

Laser welding

228.96

Explosive welding

Casting. Foundry work

Including general foundry work, and iron and steel founding

For the founding of other special metals see TS551+

For the founding of nonferrous metals see TS375

228.99

Periodicals, societies, etc.

- Metal manufactures. Metalworking
 Casting. Foundry work -- Continued
- 229 Directories of foundries
 - 229.3 Dictionaries and encyclopedias
 - History
 - 229.5.A1 General works
 - 229.5.A5-Z By region or country, A-Z
 - 230 General works
 - 230.5 Addresses, essays, lectures
 - 231 Cupola furnaces
 - Cf. TN715 Blast furnaces
 - 233 General special
 - Including automation
 - 234 Specifications
 - 235 Handbooks, tables, etc.
 - 236 Castings
 - 237 Foundry equipment and supplies. Catalogs
 - 238 Foundry management. Estimating, etc.
 - Including safety measures
 - 239 Diecasting
 - 240 Patternmaking
 - For patternmaking for sheet metals see TS250
 - For patternmaking for tin see TS600+
 - For patternmaking for copper see TS620+
 - Molding. Coremaking
 - 243 General works
 - 243.5 Molding materials. Molding sand
 - 245 Powder metallurgy processes and manufactures
 - Cf. TN695+ Metallurgy
 - 247 Rapid solidification processing
 - 250 Sheet metalwork
 - For tinsmithing see TS600+
 - For coppersmithing see TS620+
 - 253 Metal stamping
 - Including punch and die work, press-tool work, diemaking, etc.
 - Cf. TJ1255+ Punching machinery
 - 255 Extrusion of metals
 - 256 High energy forming
 - 257 Explosive forming
 - 260 Leaf metals
 - Wiremaking
 - Cf. TS1787 Wire rope
 - 270.A1 Periodicals, societies, etc.
 - 270.A2-Z General works
 - 271 Barbed wire
 - Cf. S790+ Fences

Metal manufactures. Metalworking -- Continued

- 273 Wire screens
Cf. TH2276 Screens
- 275 Sieves
- 277 Valves (General)
For special applications, see the field of application, e.g. TD491
Water distribution systems; TJ352+ Steam boiler safety
valves; TL625.V3 Balloon valves
- Pipes and tubes
- 280 General works
- 282 Catalogs
- 283 Pressure vessels
Cf. TA660.T34 Tanks. Pressure vessels (Structural
engineering)
- 285 General catalogs of metal manufactures
- Iron and steel
Cf. HD9510+ Economics
- 300 Periodicals, societies, etc.
Exhibitions
- 300.5.A1 General works
- 300.5.A2-Z By region or country, A-Z
Subarrange each country by Table T4b
- 301 Directories
- 302 Dictionaries and encyclopedias
History see TN703
Special countries
Cf. TN704.A+ Metallurgy
United States
- 303 General works
- 303.5 Biography
- 304.A-Z Other countries, A-Z
- 305 General works
- 307 General special
Including patents
- 309 Catalogs
Specifications see TA466
- 320 Steelworking. Tool steel
- 325 Heating of steel
- 330 Steel plants
Including technical descriptions, histories, etc.
- 330.A1 Collective
- 330.A2-Z Individual, A-Z
- 340 Rolling of metals. Rolling mills and machinery
- 350 Structural iron and steel
Cf. TA685 Pocketbooks, tables, etc.
- 360 Sheet iron and steel
Steel pens see TS1263

Metal manufactures. Metalworking -- Continued

Nonferrous metals (General)

- 370.A1 Periodicals, societies, etc.
- 370.A2-Z General works
- 371 General special
- 372 Catalogs
- 375 Founding. Casting
- Special plants
- 377.A1 Collective
- 377.A2-Z Individual, A-Z

Cutlery

- 380 General works
- Biography
- 380.3 Collective
- 380.4.A-Z Individual, A-Z
- 381 Scissors and shears (Hand)

Hardware

- Cf. HD9745 Economics
- Cf. TH5618 Carpenters' tools
- Cf. TH6299 Plumbers' tools
- Periodicals see TS200
- 400 General works
- 403 Directories
- 405 Catalogs
- 408 Furniture

Including steel, iron, other metal

Cf. TS879.2+ Lumber and woodwork

- 410 Scales (Weighing instruments)
- 420 Safes

Cf. TH9735 Security in buildings

- 425 Stoves and ranges
- Cf. TX657.S3+ Home economics

Miscellaneous articles of iron and steel

Including chains, nails, etc.

- 440 General works
- 445 Catalogs

Instrument manufacture

- Cf. Q184+ Scientific instruments and apparatus
- Cf. TA165 Engineering instruments
- 500 General works
- Optical instruments
- 510 Periodicals, societies, congresses, etc.
- 511.A-Z By region or country, A-Z
- Subarrange each country by Table T4a
- 512.A-Z Special companies, A-Z
- 513 General works
- 514 General special

- Metal manufactures. Metalworking
- Instrument manufacture
 - Optical instruments -- Continued
 - 515 Standards and specifications
 - 516 Catalogs
 - 517 Preparation of optical surfaces
 - Including grinding and polishing
 - 517.2 Optical coatings
 - Lenses
 - 517.3 General works
 - 517.5.A-Z Special types of lenses, A-Z
 - 517.5.A86 Aspheric lenses
 - 517.5.C38 Catadioptric systems
 - Mirror lenses see TS517.5.C38
 - 517.5.P5 Plastic lenses
 - 518 Liquid crystal devices
- Locksmithing
 - Cf. TH9737 Building protection equipment
 - 519 Periodicals, societies, etc.
 - 519.5 History
 - 520 General works
 - 521 General special
 - 525 Lock picking
 - 529 Catalogs of locks
 - 530 Catalogs of keys
 - 531 Handcuffs and other metal restraints
 - 531.5 Padlocks
- Firearms. Guns
 - Cf. NK6900+ Decorative arts
 - 532 Periodicals, societies, etc.
 - 532.15 Dictionaries and encyclopedias
 - Museums. Exhibitions
 - 532.2.A1 General works
 - 532.2.A2-Z By region or country, A-Z
 - Subarrange each country by Table T4b
 - 532.4 Collectors and collecting
 - History
 - 533 General works
 - Special countries
 - United States
 - 533.2 General works
 - 533.3.A-.W By state, A-W
 - 533.4.A-Z Other regions or countries, A-Z
 - Biography
 - 533.6 Collective
 - 533.62.A-Z Individual, A-Z
 - 534 General works

Metal manufactures. Metalworking

Firearms. Guns -- Continued

- 534.5 General special
 534.7 Catalogs
 Gunsmithing
 Cf. HD9743 Economics
 Cf. SK274+ Hunting
 Cf. UD380+ Military rifles, etc.
- 535 General works
 535.2.A-Z Special features and equipment, A-Z
 535.2.G8 Gunstocks
 535.2.H64 Holsters
 535.2.L6 Locks
 535.2.S46 Sights
 For telescopic sights see TS535.2.T4
 535.2.S5 Silencers
 535.2.T4 Telescopic sights
 535.4 Maintenance and repair
 535.8 Muzzle-loading firearms
 Cf. TS536.6.M8 Rifles
- 536 Types of guns
 Repeating firearms
 Rifles
 General works
 Special types, A-Z
 Bolt action
 Falling block
 Garand rifle
 Kentucky rifle
 Leveraction
 Muzzle-loading
 Remington rifle
 Ruger rifle
 Schuetzen rifles
 Single shot
 Spencer rifle
 Winchester rifle
- 536.8 Shotguns
 536.9 Submachine guns
 537 Handguns
 Including pistols and revolvers
- 537.5 Air guns
 Ammunition
 Cf. UF700 Military science
- 538 General works
 538.3 Handloading
 538.4 Pinfire

Metal manufactures. Metalworking
 Firearms. Guns -- Continued
 538.5 Tear gas munitions
 Watches and clocks
 Cf. HD9999.C58+ Economics
 Cf. NK7480+ Decorative art
 540 Periodicals, societies, etc.
 540.7 Dictionaries and encyclopedias
 Museums. Exhibitions
 541.A1 General works
 541.A2-Z By region or country, A-Z
 Subarrange each country by Table T4b
 History
 542 General works
 542.5 Juvenile works
 543.A-Z By region or country, A-Z
 543.5.A-Z Special clocks. By place, A-Z
 544 Standard clock systems. Electric clocks
 544.5 Specifications
 544.8.A-Z Biography, A-Z
 545 General works
 545.8 Study and teaching. Schools
 545.9 Vocational guidance
 546 Watchmakers' lathes and other machinery
 547 Repairing and adjusting
 548 General special
 Including testing, reading the clock
 549 Catalogs
 Sundials see QB215
 Light metals
 551 Periodicals, societies, etc.
 552 General works
 Aluminum
 Cf. TN775 Metallurgy
 554 Periodicals, societies, etc.
 555 General works
 556 Aluminum plants
 557 Catalogs
 560 Magnesium
 562 Titanium
 Brass and bronze
 564 Periodicals, societies, etc.
 565 General works
 570 Bronze
 573 Catalogs
 Bells
 For history and antiquities see CC200+

Metal manufactures. Metalworking

Brass and bronze

Bells -- Continued

General works

583

Early to 1800

585

1800-

588

General catalogs, etc.

For lists of the products of individual foundries and
makers see CC206.A+

589

Doorbells

Cf. TK7108+ Electric bells

Tinplate

Cf. HD9539.T5+ Economics

590

General works

597

Tables, calculations, etc.

Cf. HF5716.T4 Economics

599

Catalogs

Tinsmithing

Cf. TT266+ Handicraft

600

General works

610

Soldering

619

Tinware and tinsmiths' supplies

Coppersmithing. Copper founding

620

General works

625

Catalogs

640

Zinc

650

Alloys

Cf. TA483+ General properties of alloys

Cf. TN689+ Metallography

Metal finishing and surface treatment (General)

Cf. TT382+ Handicrafts

653.A1

Periodicals, societies, etc.

653.A2-Z

General works

653.5

General special

Including safety measures

654

Cleaning and pickling

654.5

Electrolytic polishing

655

Metallizing. Metal spraying

657

Calorizing

660

Galvanizing and tinning

662

Electroless plating

Electroplating. Electrometallurgy

670.A1

Periodicals, societies, etc.

670.A2-Z

General works

671

Pulse plating

672

Plating baths

675

Electroplated ware. Catalogs

- Metal manufactures. Metalworking
 - Metal finishing and surface treatment (General)
 - Electroplating. Electrometallurgy -- Continued
 - 678 Gold plating
 - 680 Silver plating
 - 690 Nickel plating
 - 692.A-Z Other metals, A-Z
 - 692.A5 Aluminum
 - 692.C18 Cadmium
 - 692.C4 Chromium
 - 692.C57 Cobalt
 - 692.C6 Copper
 - 692.I7 Iron
 - 692.P55 Platinum
 - 692.P56 Platinum group
 - 692.R5 Rhodium
 - 692.T5 Titanium
 - 692.T8 Tungsten
 - 692.Z5 Zinc
 - 693 Alloys
 - Anodic oxidation
 - 694 General works
 - 694.2 Aluminum
 - Vapor-plating. Chemical vapor deposition
 - 695 General works
 - 695.15 Plasma-enhanced chemical vapor deposition
 - 695.2 Ion plating
 - 695.25 Ion implantation
 - 695.3 Boriding
 - 695.5 Siliconizing
 - 695.7 Sulfonitriding
 - 695.9 Refractory coating
 - 696 Phosphate coating
 - 698 Painting and lacquering
 - Enameling
 - Cf. TT382.6 Handicrafts
 - 700 General works
 - 705 Catalogs of enameled ware
 - 710 Coloring
 - 715 Gilding. Silvering. Bronzing
 - Cf. TT380 Mechanic trades
 - 718 Bonding
 - Including rubber to metal bonding
 - 719 Printing

Metal manufactures. Metalworking -- Continued

Precious metals. Gold and silver work. Jewelry

Cf. HD9536 Economics

Cf. NK7100+ Decorative art

Cf. NK7210 Hallmarks

720

Periodicals, societies, etc.

722

Dictionaries and encyclopedias

723

History

725

General works

729

General special

Including alloys, tables, calculations, recovery of wastes

Silversmithing

730

General works

735

Silverware, etc. Catalogs

Jewelry

Cf. HD9747 Jewelry industry

Cf. TS759 Jewelers' catalogs

Cf. TS760 Jewelers' supplies

Cf. TT212 Jewelry craft

740

General works

Precious stones. Gems

Biography

747

Collective

748

Individual, A-Z

General works

750

Early to 1800

752

1800-

752.5

Gem cutting

Special

Diamonds

753

General works

753.5

Diamond cutting

755.A-Z

Other special, A-Z

755.A5

Amber

755.E5

Emeralds

755.J34

Jade

755.O73

Opals

Pearls

755.P3

General works

755.P4

Cultured pearls

755.R82

Rubies

755.T8

Turquoise

756

General special

757

Trade publications

758

Directories

759

Jewelers' catalogs

760

Jewelers' supplies

- Metal manufactures. Metalworking
 - Precious metals. Gold and silver work. Jewelry
 - Jewelry -- Continued
 - 761 Emblems, badges, etc.
 - 770 Platinum
 - Stonework
 - Cf. NK8700+ Decorative arts
 - 780 General works
 - 788 Monuments, tombstones, tablets, etc.
 - Glass manufacture see TP845+
 - Plastic manufactures see TP1101+
 - Wood technology. Lumber
 - Cf. HD9750+ Economics
 - Cf. SD1+ Forestry
 - Cf. TA419+ Engineering materials
- 800 Periodicals
- 801 Societies
- 802 Congresses
- 803 Directories
- 804 Dictionaries and encyclopedias
- History
 - United States
 - 805 General works
 - 806.A-.W Special states, A-W
 - 810.A-Z Other countries, A-Z
 - 815.A-Z Special corporations, mills, etc., A-Z
 - 820 General works
 - 821 Juvenile works
 - 825 Inspection, grading, etc. Handbooks
 - 835 General special
 - Including utilization, handling, standards, etc.
 - 836 Catalogs
 - 837 Drying of lumber. Lumber kilns. Seasoning
 - Lumberyards and sheds see TH4485
 - Wood products. Furniture
 - Including industrial woodworking
 - Cf. HD9773 Economics
 - Cf. TT180+ Arts and crafts
- 840 Periodicals, societies, etc.
- 842 Directories
 - History and special countries see TS805+
- 843 General works
- 847 Tables, calculations, etc.
- 850 Machinery. Sawmills. Planing mills
- 851 Care of saws, saw sharpening, etc.
 - Cf. TJ1235 Saw sharpening, etc.
- 852 General special

- Wood technology. Lumber
 Wood products. Furniture -- Continued
- 853 Catalogs
- 857 Bonding. Wood adhesives
- 858 Formaldehyde release
- 868 Compressed wood
- 869 Laminated wood
- 870 Veneers and veneering. Plywood
- 875 Fiberboard, particle board, etc.
 Cf. TH1555 Fiberboard
- 878 Millwork. Planing-mill products
 Cf. TH1151+ Architectural woodwork
- Furniture
 Cf. NK2200+ Decorative arts
 Cf. TP1185.F8 Plastic furniture
 Cf. TS408 Metal furniture
 Cf. TT194+ Arts and crafts
- 880 Periodicals see TS840
 General works
 Juvenile works see TS821
 Exhibitions
- 882.A1 General works
 882.A2-Z By region or country, A-Z
 Subarrange each country by Table T4b
- 885 Directories see TS842
 General special
- 886 Finishing
 Cf. TT199.4 Handicrafts
- 886.5.A-Z Special types of furniture, A-Z
- 886.5.B4 Beds and bedsteads
- 886.5.C45 Chairs
 Including rocking chairs
- 886.5.C74 Cribs
- 886.5.T3 Tables
- 887 Catalogs
- 889 Fixtures for stores, etc.
- 890 Cooperage. Barrels. Staves
- 900 Box making
 Cf. TS198.B6 Packaging
- 903 Miscellaneous manufactures of wood
- 905 General catalogs of woodwork
- 908 Cork industry
 Cf. TP659.A1+ Bottling
- 910 Willowware. Basketmaking
 Cf. NK3649.5+ Decorative arts
 Cf. TT879.B3 Handicrafts

- Wood technology. Lumber
- Wood products. Furniture -- Continued
- 913 Miscellaneous hand-woven products
 - Including baskets, trays, lampshades, etc.
- 915 Wire-grass industry
 - Including Crex Carpet Company products
 - Cf. TS1747+ Fiber industries
- Chemical processing of wood
 - Including wood from trees and other woody plants
- 920 Periodicals. Societies. Collections
- 921 Congresses
- 922 Dictionaries and encyclopedias
- Special countries
 - 924 United States
 - 926.A-Z Other countries, A-Z
- 928 General works
- 930 General special
- Wood composition and chemistry
 - 932 General works
 - 933.A-Z Individual components, A-Z
 - 933.C4 Cellulose
 - 933.L5 Lignin
 - 933.S2 Salt
 - 934.A-Z Chemical properties of individual timbers and woods, A-Z
- 936 Processing methods
 - Cf. TP997 Destructive distillation of wood
- 937 Management
- 937.2 Special products
 - Charcoal see TP331
 - Fiberboard, particle board, etc. see TS875
 - Paper see TS1080+
 - Rayon see TS1544.R3
 - Tannins see TS985
 - Turpentine see TP977+
 - Woodpulp see TS1171+
- Leather industries. Tanning
 - Cf. HD9780 Economics
 - Cf. TT290 Handicraft
- 940 Periodicals, societies, etc.
- Exhibitions
 - 943.A1 General works
 - 943.A2-Z By region or country, A-Z
 - Subarrange each country by Table T4b
- 945 Directories
- 947 Dictionaries and encyclopedias
- History
 - 950 General works

- Leather industries. Tanning
 History -- Continued
- 951 Origins
 952 Medieval
 954 Modern
 Special regions or countries
 United States
 955 General works
 956.A-.W States, A-W
 957.A-Z Europe, A-Z
 959.A-Z Other regions or countries, A-Z
 965 General works
 965.5 Juvenile works
 967 General special
 Including chemistry, testing, hides and skins
- 968 Study and teaching. Schools
 970 Patent leather
 980.A-Z Other special kinds of leather, A-Z
 980.B82 Buckskin
 980.R8 Russia leather
 980.S6 Sole leather
 980.U6 Upholstery leather
 980.U7 Uppers
 980.V6 Vici kid
- 985 Tanning materials. Tannins
 Boot and shoemaking
 For local see TS955+
 Cf. HD9787 Economics
 Cf. TT678.5 Handicraft
- 989 Periodicals, societies, etc.
 Directories see TS945
 Dictionaries see TS947
- 990 General works
 1000 History
 Cf. GT2130 Footwear (Costume)
- 1005 Machinery
 1007 Finishing processes
 1015 Hygienic shoes
 Cf. RD757.S45 Orthopedic shoes
- 1017 Athletic shoes
 1020 General special
 Repairing
- 1023.A1 Periodicals, societies, etc.
 1023.A2-Z General works
 1025 Catalogs
- Harness. Saddles
 1030 Periodicals, societies, etc.

- Leather industries. Tanning
 Harness. Saddles -- Continued
- 1032 General works
 1033 Catalogs
 1035 Saddlery hardware. Harness hardware
 Including catalogs
- 1040 Other kinds of leatherwork
 For luggage see TS2301.L8
 Cf. NK6200+ Leather (Decorative arts)
- 1043 Leatherwork machinery. Catalogs
 Imitation leathers
- 1045 General works
 1047.A-Z Special, A-Z
- 1050 Articles of horn, ivory, bone, etc.
 Cf. NK5800+ Ivory (Decorative art)
 Cf. NK6020+ Horn and bone (Decorative art)
 Cf. TT288 Bone and horn craft
- Furs
 Cf. HD9944 Economics
 Cf. TT525 Fur garments
- 1060 Periodicals, societies, etc.
 1061 General works
 1063 Quality control, grading, etc.
 1066 Directories
 1067 Catalogs
 1070 Artificial fur
- Animal fibers see TS1545+
- Paper manufacture and trade
 Cf. HD9820+ Economics
 Cf. Z45 Writing instruments, including paper
 Cf. Z112 Paleography materials
 Cf. Z237 Watermarks
 Cf. Z247 Practical printing
- 1080 Periodicals, societies, congresses, etc.
 Exhibitions
- 1083.A1 General works
 1083.A2-Z By region or country, A-Z
 Subarrange each country by Table T4b
- 1085 Dictionaries and encyclopedias
 1088 Directories
 History
- 1090 General works
 Ancient (Papyrus, etc.) see Z105+
- 1091 Origins (Arab, Chinese, etc.)
 Medieval
- 1092 General works
 1093.A-Z Special countries, A-Z

- Paper manufacture and trade
 - History -- Continued
 - Modern
 - 1094 General works
 - 1095.A-Z Special countries, A-Z
 - 1096.A-Z Special companies, A-Z
 - Cf. TS1210+ Catalogs
 - 1098.A-Z Biography, A-Z
 - General works
 - 1104 Early to 1800
 - 1105 1800-
 - 1105.5 Juvenile works
 - 1107 Quality control
 - 1109 General special
 - Including testing, waste prevention, use of cornstalks, hemp, etc.
 - 1111 Study and teaching. Schools
 - 1115 Watermarks, trademarks, etc. (Modern)
 - Cf. Z237 Watermarks of early printers
 - Papermills and their management
 - 1116 General works
 - 1116.2 Water supply
 - 1116.6 Paper handling. Transportation
 - Machinery
 - 1117 General works
 - 1117.6 Automation
 - 1118.A-Z Special manufacturing processes and equipment, A-Z
 - 1118.C34 Calenders and calendering
 - Coloring see TS1118.D9
 - 1118.C8 Cutting and cutting machinery
 - 1118.D42 Deacidification
 - 1118.D7 Drying and drying machinery
 - 1118.D9 Dyes and dyeing. Coloring
 - 1118.F4 Felts
 - 1118.F5 Finishing. Coatings
 - Folding see Z261
 - 1118.P74 Pressing
 - 1118.P85 Pulp consistency transmitters
 - 1118.R4 Refining
 - 1118.S5 Sizing
 - 1118.S85 Stock preparation
 - 1120 Chemistry of paper manufacture
 - 1120.5 Paper recycling
 - 1121 Paper characteristics, properties, etc.
 - Paper types. Special papers
 - 1124 General works
 - 1124.5 Handmade

- Paper manufacture and trade
 Paper types. Special papers -- Continued
- 1125 Papyrus
 Cf. Z45 Calligraphy materials
 Cf. Z112 History of writing
- 1130 Japanese paper
 (1130.2) Marbled papers
 see Z271.3.M37
- Paperboard
 Including cardboard, pasteboard
- 1135 General works
 1138 Corrugated paperboard
 1155 Papier mâché
 Cf. TT871 Papier-mâché craft
- 1160 Newsprint
 1165 Parchment
 1167 Reproduction paper
 1168 Tissue paper
 1169 Xuan zhi
- Woodpulp industry. Pulping processes
 Cf. HD9750+ Economics
- 1171 Periodicals, societies, congresses, etc.
 1172 Annuals. Directories
 1173 United States
 1174.A-Z Other countries, A-Z
 1175 General works
 1176 General special
 1176.4.A-Z Special pulps, A-Z
 1176.4.A8 Aspen
 1176.4.B3 Bamboo
 1176.4.E9 Eucalyptus
 1176.4.H3 Hardwoods
 1176.4.K44 Kenaf
 1176.4.L3 Larch
 1176.4.P5 Pine
 1176.4.S7 Spruce
 1176.4.T7 Tropical woods
 1176.6.A-Z Special aspects, A-Z
 1176.6.A5 Analysis of pulp
 1176.6.B56 Biotechnology
 1176.6.B6 Bleaching of pulp
 1176.6.E7 Equipment and supplies
 Kraft processes see TS1176.6.S9
 1176.6.M4 Mechanical process
 1176.6.S5 Smelt-water explosions
 1176.6.S6 Soda process
 1176.6.S9 Sulfate process

- Paper manufacture and trade
 - Woodpulp industry. Pulping processes
 - Special aspects,A-Z -- Continued
 - 1176.6.S915 Sulfate waste liquor
 - 1176.6.S92 Sulfite liquor
 - 1176.6.S93 Sulfite process
 - 1176.6.T4 Testing of pulp
 - 1176.6.W36 Washing
 - 1176.6.W6 Wood chips
 - 1177 Articles manufactured from woodpulp
 - Cf. TS1155 Papier mâché
 - Artificial flowers see TT890+
 - Other articles of paper
 - Including bags, paper boxes, etc.
 - For folding and folding machinery see Z261
 - 1200.A1 Periodicals, societies, etc.
 - 1200.A2-Z General works
 - Catalogs of paper and pulp mill equipment and supplies
 - Including bags, paper boxes, etc.
 - 1205.A1 Periodicals, societies, etc.
 - 1205.A2-Z General works
 - Catalogs of paper manufacturers
 - Cf. TS1090+ History
 - 1210 General works
 - 1220 Sample books
 - Stationery
 - 1228 Periodicals, societies, etc.
 - Directories see TS1088
 - (1229) Biography
 - see TS1098
 - 1230 General works
 - 1233 General special
 - Including history and antiquities
 - 1238 Trade publications other than catalogs
 - 1240 Catalogs
 - 1250 Blank books
 - 1251 Copybooks
 - 1260 Ruling-machinery
 - Pens
 - Including catalogs
 - 1262 General works
 - 1263 Steel pens
 - 1265 Gold pens
 - 1266 Fountain pens
 - 1267 Ball-point pens
 - 1268 Pencils

- Textile industries
 Cf. HD9850+ Economics
 Cf. SB241+ Fiber plant culture
- 1300
 (1301) Periodicals. Societies. Congresses
 Yearbooks
 see TS1300
 Museums. Exhibitions
- 1306.A1 General works
 1306.A2-Z By region or country, A-Z
 Subarrange each country by Table T4b
- 1309 Dictionaries and encyclopedias
 1312 Directories
 History
- 1315 General works
 1316 Ancient
 1317 Medieval
 1318 Modern
- 1321-1424.5 Special countries (Table T1b)
 Add country number in table to TS1300
- 1425.A-Z Special corporations, mills, etc., A-Z
 Biography
- 1439 Collective
 1440.A-Z Individual, A-Z
 General works
- 1444 Early to 1800
 1445 1800-
 1446 Elementary works
 1449 General special
 Including microscopy, testing, safety measures, yarn
- 1450 Standardization
 Including thread numbers
- 1450.5 Production standards
 1451 Handbooks, tables, etc.
 1463 Vocational guidance
 Study and teaching
- 1465 General works
 1465.5 Problems, exercises, etc.
 By region or country
 For individual institutions, see the state or country without
 further subdivision
 United States
- 1471 General works
 1472.A-Z By region or state, A-Z
 1473.A-Z Other regions or countries, A-Z
 1474 Information services

- Textile industries -- Continued
- 1474.5 Textile chemistry
Cf. TP890+ Bleaching, dyeing, printing of textiles
(Chemical technology)
- 1475 Textile design
Cf. NK8800+ Decorative arts
Cf. TT851+ Textile decoration (Arts and crafts)
- Spinning
Including preliminary processes
Cf. TS1577 Cotton spinning
Cf. TS1628 Woolen spinning
Cf. TS1727 Hand spinning
- 1480 General works
- 1483 Machinery
- 1484 Spinning wheel, distaff, etc.
Carding and combing
Cf. TS1578 Cotton carding
Cf. TS1628 Wool carding
Cf. TS1727 Flax spinning
- 1485 General works
- 1487 Machinery
- 1487.5 Twisting and twisting machinery
- 1487.7 Crimping
Sizing
- 1488 General works
Cotton sizing see TS1580
- Weaving (Industrial)
Cf. TT848+ Hand weaving
- 1490 General works
- 1493 Machinery. Looms
- 1500 Jacquard weaving
Including jacquard looms
- 1510 Finishing
- 1511 Setting of textiles
- 1512 Coating of fabrics
- 1512.5 Electrostatic flocking
Cf. TS1828+ Nonwoven fabrics
- 1513 Crease-resisting process
- 1514 Drying. Drying equipment
- 1515 Mercerization
- 1517 Mothproofing
- 1520 Waterproofing
Fireproofing see TP267
- 1525 Textile machinery (General)
Textile mills (Design and construction) see TH4521
Textile supplies
- 1529 General works

Textile industries

Textile supplies -- Continued

1530

Catalogs

1535

Directories

Textile fibers

1540

General works

Vegetable

1541

General works

1542

Cotton

1543

Linen

1544.A-Z

Others, A-Z

1544.A5

Ambary hemp. Kenaf

1544.B3

Bast

1544.C4

Cellulose

1544.C6

Coconut fiber

1544.H4

Hemp

Cf. TS1733 Hemp manufactures

Kenaf see TS1544.A5

1544.M3

Marine fiber

1544.P55

Piña cloth

1544.R2

Ramie

Cf. SB259 Plant culture

1544.R3

Rayon

Cf. TS1688.A1+ Rayon manufactures

Animal

1545

General works

1546

Silk

1547

Wool

1548.A-Z

Others, A-Z

1548.C3

Camel's hair

1548.H6

Horsehair

1548.M6

Mohair

1548.V5

Vicuna

Synthetic textile fibers

1548.2

Dictionaries and encyclopedias

1548.5

General works

1548.7.A-Z

Special, A-Z

1548.7.A25

Acrylic

1548.7.P57

Polyamide

1548.7.P58

Polyesters

1548.7.P6

Polypropylene

1548.7.P63

Polyurethanes

1548.7.V5

Vinyl

Inorganic fibers

1549.A1

General works

1549.A3-Z

Special, A-Z

1549.A7

Asbestos

- Textile industries
 - Textile fibers
 - Inorganic fibers
 - Special, A-Z -- Continued
 - 1549.G5 Glass
 - 1549.G6 Gold
 - Cotton manufactures
 - Cf. HD9870+ Economics
 - Cf. SB245+ Cotton culture
 - 1550 Periodicals, societies, etc.
 - (1551) Yearbooks
 - see TS1550
 - 1555 Directories
 - Exhibitions
 - 1557.A1 General works
 - 1557.A2-Z By region or country, A-Z
 - Subarrange each country by Table T4b
 - History
 - 1560 General works
 - 1561 Ancient
 - 1562 Medieval
 - 1564 Modern
 - 1565.A-Z Special regions and countries, A-Z
 - 1566.A-Z Special companies. By name, A-Z
 - 1570 Biography
 - 1575 General works
 - 1576 Elementary works
 - 1577 Spinning
 - Including preliminary processes
 - 1578 Carding. Combing. Lapping
 - 1579 Weaving
 - 1580 General special
 - Including finishing processes
 - 1581 Handbooks, tables, calculations, etc.
 - 1582 Cotton fabrics
 - 1583 Cotton machinery
 - 1585 Ginning, baling, etc.
 - 1587 Cotton waste products
 - Cf. TP996.C75 Chemical technology
 - Cotton baling see TS1585
 - 1590 Thread manufacture
 - Woolen manufactures
 - Cf. HD9890+ Economics
 - Cf. SF371+ Sheep culture
 - 1600 Periodicals, societies, etc.
 - (1601) Yearbooks
 - see TS1600

Textile industries

Woolen manufactures -- Continued

- 1603 Directories
Exhibitions
- 1606.A1 General works
1606.A2-Z By region or country, A-Z
Subarrange each country by Table T4b
- History
- 1610 General works
1611 Ancient
1612 Medieval
1614 Modern
1615.A-Z Special regions or countries, A-Z
- 1620 Biography
1625 General works
1626 Elementary works
Spinning and other preliminary processes
- 1627 General works
1628 Carding. Combing
1629 Weaving
1630 General special
Including finishing processes, wool substitutes, etc.
- 1631 Handbooks, tables, calculations, etc.
1633 Woolen and worsted machinery
1634 Catalogs of woolen goods
1635 Artificial wool
- Silk manufactures
Cf. HD9910+ Economics
Cf. SF541+ Sericulture
- 1640 Periodicals, societies, congresses, etc.
(1641) Yearbooks
see TS1640
- 1643 Directories
Exhibitions
- 1646.A1 General works
1646.A2-Z By region or country, A-Z
Subarrange each country by Table T4b
- History
- 1650 General works
1651 Ancient
1652 Medieval
1654 Modern
1655.A-Z Special regions or countries, A-Z
- 1660 Biography
1665 General works
1667 Spinning and other preliminary processes
1669 General special

Textile industries

Silk manufactures -- Continued

- 1671 Handbooks, tables, etc.
- 1672 Silk machinery
- 1673 Catalogs
- 1675 Velvets
- 1676 Brocade
- 1677 Crepe
- 1680 Plush
- 1687 Cords, trimmings, passementerie, gimp, braids, etc.
- Artificial silk. Rayon. Celanese
- 1688.A1 Periodicals, societies, etc.
- 1688.A2 Directories
- 1688.A3-Z General works

Flax, hemp and jute industries

- Cf. TS1540+ Fibers
- Cf. TS1784+ Cordage
- Cf. TS1795 Twine
- 1700 Periodicals, societies, etc.
- 1705 General works
- 1707 Tables, calculations, etc.
- Flax industries. Linen, etc.
- Cf. HD9930 Economics
- 1710 History
- 1715.A-Z Special regions or countries, A-Z
- 1725 General works
- 1727 Spinning and other preliminaries
- 1728 Machinery
- 1730 Tables, calculations, etc.
- 1731 Catalogs of linen goods
- 1733 Hemp industries
- 1735 Jute industries, burlap, etc.
- Other fiber industries
- 1747.A-Z Special, A-Z
- 1747.C6 Coir
- 1747.D3 Date palm fiber
- 1747.E8 Esparto
- 1747.H6 Horsehair
- 1747.K3 Kapok
- 1747.O3 Oakum
- 1747.R2 Raffia
- 1747.R3 Ramie
- 1747.R6 Roselle
- 1747.S5 Sisal
- 1747.S7 Straw plaiting
- Wire grass see TS915
- 1750 General special

- Textile industries -- Continued
- Textile fabrics. Dry goods
 Cf. TT490+ Clothing manufacture
- 1760 Periodicals, societies, etc.
- 1763 Directories
- 1765 General works
- 1767 General special
- 1768 Catalogs
- 1770.A-Z Special kinds of fabrics, A-Z
- 1770.I53 Industrial fabrics
- 1770.S54 Sheer fabrics
- Knit goods, hosiery, etc. see TT679+
- Carpets, rugs, etc.
 Cf. NK2775+ Decorative art
- 1772 Periodicals, societies, etc.
- 1773 Directories
- Exhibitions
- 1774.A1 General works
- 1774.A2-Z By region or country, A-Z
 Subarrange each country by Table T4b
- History
- 1774.4 General works
- 1774.6.A-Z Special regions or countries, A-Z
- 1775 General works
- 1775.5 General special
- 1776 Catalogs, etc.
- Rugs
 Cf. NK2775+ Art
- 1777 General works
- 1778 Oriental rugs
 Cf. NK2808+ Art
- 1779.A-Z Other floor coverings, A-Z
- 1779.G7 Grass rugs
- 1779.L5 Linoleum
- 1779.M2 Matting. Straw, etc.
- 1779.O5 Oilcloth
- 1779.5 Carpet measuring, cutting, laying, etc.
- 1780 Tapestry
 Cf. NK2975+ Art
 Cf. TT849 Hand weaving
- 1781 Miscellaneous textile articles and products
 Including bagging, shawls, towels, etc.
 For artificial fur see TS1070
 For flags see TS2301.F6

| | |
|-----------|--|
| | Textile industries -- Continued |
| 1782 | Lace (Machine made) Cf. HD9933 Trade Cf. NK9400+ Decorative art Cf. TT800+ Needlework |
| 1782.5 | Braid (Machine made) |
| 1783 | Embroidery (Machine made) Cf. NK9200+ Decorative art Cf. TT769+ Needlework |
| | Miscellaneous fiber products |
| | Cordage |
| 1784 | Periodicals, societies, etc. |
| 1784.5 | Directories |
| 1785 | General works |
| 1787 | Wire rope |
| 1795 | Twine |
| (1825) | Felt see TS1830.F44 |
| | Nonwoven fabrics |
| 1828 | General works |
| 1830.A-Z | By type of nonwoven fabric, A-Z |
| 1830.F44 | Felt. Felting |
| 1830.N44 | Needlepunch |
| 1850 | Other fiber products |
| 1860 | Tent and awning making |
| 1865 | Umbrellas and parasols |
| | Rubber industry |
| | Cf. HD9161 Economics Cf. SB289+ Agriculture |
| 1870 | Periodicals, societies, etc. |
| 1871 | Congresses Exhibitions |
| 1872.A1 | General works |
| 1872.A2-Z | By region or country, A-Z Subarrange each country by Table T4b |
| 1875 | Dictionaries and encyclopedias |
| 1877 | Directories History |
| 1880 | General works |
| 1885.A-Z | Special countries, A-Z |
| 1890 | General works |
| 1891 | Vulcanizing |
| 1891.5 | Machinery |
| 1892 | General special. Examination, testing, etc. |
| 1893 | Catalogs and other trade publications |
| 1910 | Rubber boots and shoes |
| 1912 | Rubber tires |

- Rubber industry -- Continued
- 1920 Other articles of rubber
Including hand stamps, rubber bands, tubes, etc.
- 1925 Synthetic rubber. Elastomers
- 1927.A-Z Special, A-Z
- 1927.C92 Cyclized rubber
- 1927.E86 Ethylene-propylene rubber
- 1927.S55 Silicone rubber
- 1930 Gutta-percha
- 1935 Balata
- Miscellaneous industries
- Animal products
Cf. SK283.8 Field dressing and skinning of game
- 1950 Periodicals, societies, etc.
- 1953 Dictionaries and encyclopedias
- 1955 General works
Butchering. Slaughterhouses. Meat curing
Class here technical works only
For Judaism see BM720.S6+
Cf. HD9410+ Animal industry
Cf. RA578.A6 Slaughterhouses
- 1960 General works
- 1962 Minor works
Special countries
United States
General works
States, A-W
Cities, A-Z
Other countries, A-Z
Other cities, A-Z
- 1963 General works
- 1964.A-.W States, A-W
- 1965.A-Z Cities, A-Z
- 1966.A-Z Other countries, A-Z
- 1967.A-Z Other cities, A-Z
- 1968 Poultry processing
Fish processing see SH334.9+
Furs see TS1060+
Leather see TS940+
Meat-packing industries
Cf. HD9410+ Economics
Cf. TS2284+ Pet food industry
- 1970 General works
- 1971.A-Z By region or country, A-Z
Subarrange each country by Table T4a
- 1973 Packinghouse equipment, etc.
- 1974.A-Z Special topics, A-Z
Bacon
Corned beef
Flavoring, seasoning, etc.
Sausages
- 1975 Meat inspection

- Miscellaneous industries
 Animal products -- Continued
 Lard, tallow, etc.
 Cf. TP669+ Oils, fats, and waxes
- 1980 General works
 1981 Rendering apparatus
 1982 Bone products
- Carriage and wagonmaking
 Cf. HD9709.5 Economics
- 2001 Periodicals, societies, etc.
 Exhibitions. Museums
- 2003.A1 General works
 2003.A2-Z By region or country, A-Z
 Subarrange each country by Table T4b
- 2005 Directories
 2010 History
 2020 General works
 2025 General special
 Carriage painting
- 2030 General works
 2032 Scrolls and designs for carriage painters
 2033 Catalogs of carriagemakers
 2035 Carriage hardware
 Automobiles see TL1+
- Cereals and grain. Milling industry
 Including flour
 Cf. HD9056 Economics
- 2120 Periodicals, societies, etc.
 Exhibitions
- 2123.A1 General works
 2123.A2-Z By region or country, A-Z
 Subarrange each country by Table T4b
- 2129 Directories
 History
- 2130 General works
 2135.A-Z By region or country, A-Z
 Under each country:
 .x *General works*
 .x2A-.x2Z *By state, province, etc., A-Z*
- 2144 General works
 Early to 1800
 2145 1800-
 2149 General special
 Including moisture in grain
- 2155 Catalogs
 Cereal products see TP434+
 Feeds and feed mills see TS2284+

Miscellaneous industries

Cereals and grain. Milling industry -- Continued

- 2159.A-Z Milling and processing of individual cereals, A-Z
- 2159.C2 Corn
- 2159.R5 Rice
- 2159.S65 Sorghum
- Wheat see TS2120+
- 2160 Gloves
 - Cf. HD9947 Economics
- Hats
 - Cf. HD9948 Economics
 - Cf. TT650+ Millinery
- 2180 Periodicals, societies, etc.
- Exhibitions
 - 2181.A1 General works
 - 2181.A2-Z By region or country, A-Z
 - Subarrange each country by Table T4b
- 2182 Directories
- 2185 General works
- 2190 General special
- 2193 Renovating, cleaning, etc.
- Tobacco industry
 - Cf. HD9130+ Economics
- 2220 Periodicals, societies, etc.
- 2225 Dictionaries and encyclopedias
- 2228 Directories
- History
 - 2230 General works
 - 2234 Modern
 - 2235.A-Z Special places, A-Z
 - 2240 General works
 - 2249 General special
 - Including machinery, curing, testing, facts for smokers, enjoyment of smoking
 - 2251 Tables, calculations, etc.
 - 2255 Nicotine (Preparation, use, etc.)
 - 2260 Cigars and cigarettes
 - 2270 Pipes for smoking
 - 2280 Smoking paraphernalia
 - Including lighters
 - 2283 Catalogs of cigars, smoking paraphernalia, etc.
- Animal feeds and feed mills. Pet food industry
 - Cf. SF94.5+ Animal nutrition
 - Cf. SF414 Pet feeding
- 2284 Periodicals, societies, etc.
- 2285 Congresses
- 2286 General works

Miscellaneous industries

Animal feeds and feed mills. Pet food industry -- Continued

- 2286.5 General special
- 2287 Patents
- 2288.A-Z Special foods. Foods for special animals, A-Z
- 2288.C36 Cat food
- 2288.C45 Cereals
- 2288.D63 Dog food
- 2288.M4 Meat
- 2301.A-Z Other industries, A-Z
 - Class here primarily catalogs of wares, especially articles not made of any one material
 - Audiovisual equipment
 - 2301.A7 General works
 - Phonographs see TS2301.P3
 - Sound recording instruments see TS2301.S6
 - Baggage see TS2301.L8
 - 2301.B4 Beads
 - Cf. TT860 Beadwork
 - 2301.B5 Belts
 - 2301.B8 Brushes and brooms
 - 2301.B9 Buttons
 - 2301.C3 Canes
 - 2301.C4 Catgut
 - 2301.C5 Church supplies
 - Cf. NK1657 Trade catalogs, etc.
 - 2301.C75 Combs
 - Containers see TS195+
 - 2301.D4 Decalcomania
 - Dolls see TS2301.T7
 - 2301.F4 Feathers
 - 2301.F6 Flags, banners, etc.
 - 2301.H7 Hose
 - Cf. TH9380 Firehose
 - 2301.I6 Insignia
 - 2301.I8 Isinglass
 - 2301.L8 Luggage
 - 2301.M3 Marking devices
 - (2301.M8) Monuments, tombstones, tables, etc.
 - see TS788
 - 2301.N5 Notions
 - 2301.N55 Novelties
 - 2301.P2 Page turners
 - 2301.P24 Palm products
 - 2301.P3 Phonographs
 - 2301.P5 Pins and needles
 - 2301.S5 Skates

TS

MANUFACTURES

TS

Miscellaneous industries

Other industries, A-Z -- Continued

2301.S6

Sound recording instruments

Cf. TK7881.4+ Electronic sound systems

Cf. TS2301.P3 Phonographs

2301.S7

Sporting goods

2301.T5

Time stamps

2301.T7

Toys, etc.

Cf. GV1218.5+ Games and amusements

Cf. NK4891.3+ Dolls and dollhouses (Decorative arts)

Cf. NK9509+ Toys (Decorative arts)

Cf. TT174+ Handicrafts

2301.T9

Transfer pictures, etc.

2301.U5

Undertakers' supplies, etc.

2301.W3

Wax figures

2301.W5

Window shades

- Handicrafts. Arts and crafts
 Including mechanic trades
 Cf. NK1+ Decorative arts
 Cf. NK1135+ Arts and crafts movements
 Cf. TH5011+ Building trades
 Cf. TP1+ Industrial products (Chemical technology)
 Cf. TS1+ Manufactures
- 1 Periodicals, societies, etc.
 Exhibitions. Museums
- 6.A1 General works
 6.A2-Z By region or country, A-Z
 Subarrange each country by Table T4b
- 7 Collected works (nonserial)
- 9 Dictionaries and encyclopedias
 Communication of handicraft information
- 10 General works
 11 Computer network resources
 Including the Internet
- 12 Directories
- 15-127 History and country divisions (Table T1)
 Add country number in table to TT0
 Class here general works on the crafts as practiced in particular
 regions or countries. Also class here manuals on how to
 duplicate craft articles of particular regions or countries,
 including craft articles of particular ethnic groups. For
 example, class manuals on duplicating crafts of the Indians of
 North America in TT22
 For ethnological works on the crafts as practiced by the ethnic
 groups of particular regions, see GN575+ or the class
 numbers for particular groups in classes D-F
 For ethnological works about crafts of North American Indians,
 see E98.I5
- Biography
- 139 Collective
 140.A-Z Individual, A-Z
- General works
- 144 Early to 1800
 145 1800-
- 149 General special
- 150 Study and teaching
- 151 Mending and repairing
 Cf. NK4233 Ceramics
 Cf. TH4817+ Home maintenance and repair
 Cf. TX323 Care of the home
- 152 Workshops: Planning and maintenance
 Workshop practice
 Including use of workshop tools

- Workshop practice -- Continued
- 153 General works
- 153.5 Power tools
- 153.7 Craft materials and supplies
- Models and modelmaking
- Cf. TT178 Miniature crafts
- 154 General works
- 154.5 Radio control systems
- 155 Handbooks, manuals, etc.
- 157 Special crafts treated collectively
- Including general works on craft projects and items to make
- Cf. SF413.5 Craft items for pets
- Cf. TT180+ Special crafts, by material
- Cf. TT699+ Textile arts and crafts
- Cf. TT855+ Decorative crafts
- Juvenile works. Projects for boys
- Cf. TT171 Handicraft for girls
- 159 Periodicals, societies, etc.
- 160 General works
- Manual training. Industrial arts training. School shops
- Cf. LB1594+ Industrial arts training in elementary schools
- Cf. LC1081+ Industrial education (Theory)
- Cf. LC2780.5 Industrial education of blacks and African Americans
- Cf. T61+ Technology - Study and teaching
- 161 Periodicals, societies, etc.
- Exhibitions
- 162.A1 General works
- 162.A2-Z By region or country, A-Z
- Subarrange each country by Table T4b
- 163 Directories
- 165 Textbooks
- 166.A-Z Special countries, A-Z
- 167.A-Z Special cities, A-Z
- Including special schools
- Teaching methods
- 168 General works
- 169 General special
- School shops
- 170 General works
- 170.4 Safety measures
- 170.7 Equipment and supplies
- Including catalogs
- 171 Handicrafts for girls
- Articles for children
- Cf. TT197.5.C5 Children's furniture

Articles for children -- Continued

Toys

- Cf. GV1218.5+ Games and amusements
- Cf. LB1029.T6 Educational toys
- Cf. NK9509+ Decorative arts
- Cf. TS2301.T7 Toy manufacture

174

General works

174.3

Soft toys

174.5.A-Z

Other special, A-Z

174.5.P3

Paper toys

174.5.S35

Scooters, skateboards, etc.

174.5.V43

Vehicles

174.5.W6

Wooden toys

174.7

Puppets

- For general works on puppetry, including manipulation of puppets, puppet plays, etc. see PN1972+

Dolls

- Including paper dolls

- Cf. GV1218.5+ Games and amusements

- Cf. NK4891.3+ Decorative arts

- Cf. TS2301.T7 Doll manufacture

175

General works

175.3

Dollhouses

175.5

Doll furniture

175.7

Doll clothes

176

Playground equipment

Playhouses see TH4967

178

Miniature craft

- Cf. TT154+ Models and modelmaking

Woodworking

- Cf. TH5601+ Carpentry and joinery

- Cf. TS840+ Manufactures of wood

180

General works

185

Elementary works, outline, syllabi, etc.

- Including amateurs' manuals

185.5

Woodshops

186

Tools and supplies

- Cf. TH5618 Carpentry tools

Sloyd

187

General works

- Special schools see TT167.A+

188

Models

189

Balsa craft

190

Bamboo work

190.5

Cork craft

191

Plywood working

Scroll saw work see NK9930

Woodworking -- Continued

- 192 Marquetry
Furniture
Cf. TP1185.F8 Plastic furniture manufacture
Cf. TS879.2+ Furniture manufacture
Cf. TT175.5 Doll furniture
Cf. TT213 Metal furniture
Cf. TT297.5 Plastic furniture craft
- 194 General works
- 195 Amateurs' manuals
- 196 Furniture design. Drawings
- 197 Box furniture. Cabinetwork
- 197.5.A-Z Special, A-Z
- 197.5.B3 Bars
- 197.5.B4 Bedroom furniture
- 197.5.B6 Bookcases
- 197.5.B8 Built-in furniture
- 197.5.C45 Chairs
- 197.5.C5 Children's furniture
- 197.5.C62 Coffins
- 197.5.C65 Computer furniture
- 197.5.C68 Countertops
- 197.5.D4 Desks
- 197.5.D5 Dining room furniture
- 197.5.E57 Entertainment centers
- 197.5.K57 Kitchen cabinets, kitchen furniture, etc.
- 197.5.L34 Lamps. Lighting devices
Including candlesticks, chandeliers, sconces, etc.
Cf. TK9921 Electricity for amateurs
Cf. TT897.2 Decorative crafts
Lighting devices see TT197.5.L34
- 197.5.L5 Living room furniture
- 197.5.L6 Loudspeaker cabinets
- 197.5.O9 Outdoor furniture
- 197.5.T3 Tables
- 197.5.T65 Toolboxes
- 197.5.W6 Workbenches
- 197.7 Wicker furniture
- 197.8 Rattan furniture
- 198 Upholstering
- 199 Repairing. Restoring
- 199.4 Finishing. Refinishing
- Carving and whittling
Cf. NK9700+ Decorative art
- 199.7 General works
- 199.75 Decoys
Including painting

- 199.8 Woodworking -- Continued
 Pyrography. Woodburning
 Cf. NK8600+ Decorative art
- 200 General special
 Including rustic works
 Picture framing see N8550+
 Wood staining see TT345
- Lathework. Turning
 Cf. TJ1215+ Machine tools
 Cf. TS546 Watchmakers' lathes
 Cf. TT207 Metal turning
- 201 General works
- 202 Elementary textbooks of woodturning
- 203 Ornamental, geometric, eccentric, etc.
- 203.5 Routing. Routers
- Metalworking
 Cf. NK6400+ Decorative art
 Cf. TS720+ Precious metals. Jewelry
- 205.A1 Periodicals
- 205.A2-Z General works
- 206 Metal spinning
- 207 Metal turning
- 209 Milling
- 211 Welding
 Cf. TK4661 Electric welding
 Cf. TS227+ Manufacturing processes
- 212 Jewelry craft
- 213 Other special metal products (not A-Z)
 Including home furnishings in metal
- 213.6 Nail craft
- 214 Scrapmetal craft
- 214.3 Wire craft
- Ironworking. Forging
 Cf. TS225+ Manufacturing processes
- 215 General works
 Blacksmithing
 Cf. SF907+ Horseshoeing
- 218 Periodicals, societies, etc.
- 220 General works
- 221 Amateurs' manuals
- 223 Tables, calculations, etc.
- 224 Equipment and supplies
- 240 Bent iron work. Wrought-iron work
 Cf. NK8200+ Decorative art
- 242 Aluminum work. Aluminum foil craft
- 250 Copperwork
 Cf. NK8100+ Decorative art

- 265 Leadwork
Cf. NK8350+ Decorative art
Tinwork. Tin can craft
Cf. NK8425 Decorative art
Cf. TS600+ Metal manufactures
- 266 General works
- 266.3 Pewter craft
Cf. NK8400+ Decorative art
- 267 Soldering and brazing
Cf. TH6297 Plumbing
Stencil cutting. Stencil work
Cf. NK8650+ Decorative stencil work
- 270 General works
- 273 Screen process work. Silk-screen printing
For serigraphy see NE2236+
Cf. TT852+ Textile printing
- 288 Bone and horn craft
Cf. NK6020+ Decorative art
Cf. TS1050 Manufactures
- 290 Leatherwork
Cf. NK6200+ Decorative art
Cf. TS1030+ Manufactures
Cf. TT666 Gloves
Cf. TT667 Handbags
- 293 Rock craft
Including flintknapping
- 295 Cement work, plaster craft, etc.
Including sand casting, earth casting, etc.
Cf. NB1190 Sculpture
Plastic craft
Including use of plastic foam
- 297 General works
- 297.5 Plastic furniture
- 297.8 Fiberglass craft
- 298 Glass craft
Including glass engraving, glass painting, glass constructions,
glass forming, etc.
Cf. NB1270.G4 Glass sculpture
Cf. NE2690 Glass engravings
Cf. NK5100+ Decorative arts
Cf. TH8271+ Decoration in buildings

- Painting, varnishing, gilding, etc.
 - Including industrial painting
 - Cf. ND25+ Fine arts
 - Cf. NK2140+ Decorative painting
 - Cf. TP934+ Paint manufacture
 - Cf. TS698 Metal painting
 - Cf. TS2030+ Carriage painting
 - Cf. TT851 Textile painting
- 300 Periodicals, societies, etc.
- 301 Collected works (nonserial)
- 303 Directories
- 304 History
 - General works
 - 305.A2 Early to 1800
 - 305.A3-Z 1800-
 - 305.3 Paint shops and equipment
 - 310 Paintmixing
 - 315 Spray painting
 - 317 Electrocoating. Electrophoretic deposition
 - House painting. Painting of buildings and structures
 - Cf. TH8001+ Decoration of buildings
 - 320 General works
 - 323 Interior painting
 - Including decorative finishes, frescoing, marbling, etc.
 - Cf. TT385 Marbling on various materials
 - 324 Painters' materials (General)
 - Cf. TP934+ Paint manufacture
 - Wood finishing
 - Cf. TS886 Furniture manufacture
 - Cf. TT199.4 Furniture in woodworking crafts
 - 325 General works
 - 330 Graining and marbling
 - 340 Varnishing
 - 345 Wood staining
 - Sign painting and lettering. Show cards
 - Cf. NC1800+ Posters
 - 360.A1 Periodicals, societies, etc.
 - 360.A6-Z General works
 - 365 House numbers
 - 370 Coloring of bone, stone, etc.
 - 378 Lacquering, crackle
 - 380 Gilding, bronzing, etc.
 - Metal finishing
 - Cf. TS653+ Industrial manufactures
 - 382 General works
 - 382.2 Coloring
 - 382.4 Painting and lacquering

- Painting, varnishing, gilding, etc.
Metal finishing -- Continued
- 382.6 Enameling
Including cloisonné and champlevé
Cf. NK4997+ Decorative arts
- 382.8 Gilding, bronzing, silvering
- 385 Decorative painting on various materials. Tole painting.
Marbling
Cf. NK5312 Folk art in the United States
Cf. NK5313+ Folk art in other countries
Cf. TT323 Marbling (Interior painting)
- 386 Felt marker decoration
Soft home furnishings
Cf. TT198 Upholstering
Cf. TT849 Tapestry
Cf. TT850 Rugs, carpets, etc.
- 387 General works
- 390 Curtain making. Drapes
- 395 Slipcovers
Bedding
Cf. TX315 Home furnishings
- 399 General works
- 403 Bedspreads
Cf. TT835 Quilts
- 405 Blankets
- 406 Sheets
- 408 Pillowcases
- 410 Pillows and cushions
Clothing manufacture
Including the garment industry
- 490 Periodicals, societies, etc.
- 494 Dictionaries and encyclopedias
- 495 Directories
- 496.A-Z By region or country, A-Z
Subarrange each country by Table T4a
- 497 General works
- 498 Clothing factories
Cf. TH4522 Building construction
- 499 Tables, calculations, etc.
Dressmaking and women's tailoring. Fashion
Cf. GT500+ History of dress and costume
Cf. NK4700+ Decorative arts
Cf. TR679 Fashion photography
- 500.A1 History and criticism of periodicals
- 500.A2-Z Periodicals and societies. Fashion magazines
Cf. PN4784.F33 Journalism
- 502 Fashion shows, exhibitions, etc.

Clothing manufacture

Dressmaking and women's tailoring. Fashion -- Continued

- 503 Dictionaries and encyclopedias
 Directories see TT495
- 503.5 Fashion writing
- 504 History of dressmaking and tailoring
 Special countries
 504.4 United States
 504.6.A-Z Other countries, A-Z
- Biography
 505.A1 Collective
 505.A2-Z Individual, A-Z
 e.g.
 505.P6 Poiret
 505.W6 Worth
- 506 Pictorial works
- 507 Art of dress. Theory. Aesthetics. Costume design
- 508 Study and teaching
- 509 Fashion drawing
 General works
- 510 Early to 1800
 1800-
- 515 General works
- 518 Textbooks
- 519 Addresses, essays, lectures
 Women's tailoring
- 519.5 General works
- 520 Patternmaking and design
 Including cutting, drafting, measuring and grading
- 522 Blank forms
- 523 Dress forms
- 524 Leather garments
- 525 Fur garments
- 530 Coats and capes
- 535 Jackets
- 540 Skirts
- 542 Slacks. Trousers
 For men's slacks, or men's and women's slacks see
 TT605
- 545 Blouses
- 546 Smocks
 Cf. TT840.S66 Smocking
- 546.5 Aprons
- 547 Maternity clothes
- 550 Alterations. Restyling
- 552 Trimming
 Catalogs and pricelists

Clothing manufacture

Dressmaking and women's tailoring. Fashion

Catalogs and pricelists -- Continued

555

General works

556

Catalogs of patterns

For catalogs issued periodically see TT500+

557

Special fabrics and materials

Including buttons, zippers, lining

560

General special

562

Clothing for girls

565

Dress reform

Tailoring. Men's clothing

Periodicals, societies, etc.

570

Tailoring

572

Furnishing goods, etc.

Directories see TT495

574

Dictionaries and encyclopedias

Biography see TT505.A1+

Tailoring

General works

575

Early to 1800

580

1800-

583

Repairing, pressing, etc.

585

General special

590

Patternmaking and design

Including cutting, drafting, measuring, and grading

593

Study and teaching

595

Coats

600

Overcoats

603

Sleeves

605

Trousers. Slacks

610

Breeches

612

Shirts

615

Vests

616

Neckties

617

Men's fashions

618

Correct dress

Catalogs and pricelists

620

General works

625

Uniforms

626

Livery

627

Furnishings

628

Sample books

630

Clothing for boys

633

Costumes for special occasions

Children's clothing

Cf. TT562 Clothing for girls

- Clothing manufacture
- Children's clothing -- Continued
- 635 General works
- 637 Baby clothes. Layettees
- 640 Patterns, etc.
- 645 Catalogs and pricelists
- 647 Ecclesiastical vestments
 - Cf. BV167 Religion (General)
 - Cf. BX1925 Catholic Church
 - Cf. BX5180 Church of England
 - Cf. NK4850 Art industries
- 648 Clothing for people with disabilities
- 649 Other special types of clothing
 - Including work clothes, sport clothes
- Dress accessories
- 649.8 General works
- Millinery
 - Cf. TS2180+ Hats
- 650 Periodicals, societies, etc.
- Biography
 - 653.A1 Collective
 - 653.A2-Z Individual, A-Z
- 655 General works
- 657 General special
- 660 Illustrations and styles
- 665 Catalogs and pricelists
- 666 Gloves
 - Cf. TS2160 Glove industry
- 667 Handbags. Tote bags
- 667.5 Kerchiefs. Bandannas
- 668 Belts
- Underwear. Lingerie
- 669 Periodicals, societies, etc.
- 670 General works
- Special
 - 675 Undershirts
 - 677 Foundation garments
 - Including corsets, girdles, brassieres, etc.
 - 678 Other special
- 678.5 Footwear
 - Cf. TS989+ Boot and shoemaking
- Knit goods, hosiery, sweaters, etc. Machine knitting
 - Cf. TS2160 Gloves
 - Cf. TT819+ Hand knitting and crocheting
- 679 Periodicals, societies, etc.
- 679.5 Dictionaries and encyclopedias
- 680 General works

Clothing manufacture

Knit goods, hosiery, sweaters, etc. Machine knitting --

Continued

- 681 Hosiery
- 682 Other special
- 683 Trade publications
- 685 Knitting and crocheting machinery
- 687 Domestic machines
- 688 Knit goods specifications
- 689 Warp knitting
- 690 General special
- 695 Directories

Home arts. Homecrafts

Including home arts for women

Cf. GT480+ Manners and customs

- 697 Periodicals, societies, etc.
- 698 General works

Textile arts and crafts

Cf. TT387+ Soft home furnishings

Cf. TT490+ Clothing manufacture

Cf. TT925 Soft sculpture

- 699 General works
- Sewing. Needlework
 - Cf. TT845 Needlework tools
- 700 Periodicals, societies, etc.
- 705 General works
- 708 Study and teaching
- 710 Textbooks
- 712 Juvenile works
- 713 Sewing by machine
 - Cf. TJ1501+ Sewing machine construction
- 715 General special
- Mending
 - 720 General works
 - 730 Darning
- Decorative needlework. Fancy work
 - Cf. NK9100+ Decorative work
- 740 Periodicals, societies, etc.
- 750 General works
- 751 General special
- Patterns
 - 753 General works
 - 755 Stamping
 - 760 Stitches
- Embroidery
 - Cf. NK9200+ Decorative art
 - Cf. TS1783 Manufacture

Home arts. Homecrafts

Textile arts and crafts

Decorative needlework. Fancy work

Embroidery -- Continued

769.A-Z

By region or country, A-Z

Subarrange each country by Table T4a

770

General works

770.5

Juvenile works

771

General patterns

772

Machine embroidery

773

Classes of designs

e.g. alphabets, birds, flowers

775

Articles embroidered

e.g. doilies, table covers

777

Materials

e.g. embroidery silk, gold thread

778.A-Z

Types of embroidery, A-Z

778.A87

Assisi

778.B5

Blackwork embroidery

778.B73

Brazilian dimensional embroidery

778.C24

Candlewicking

778.C3

Canvas embroidery

778.C63

Couching

778.C65

Counted thread embroidery

778.C7

Crewelwork

778.C76

Cross-stitch

778.F33

Fagoting

778.H43

Hedebo embroidery

778.H83

Huckaback

778.M47

Metal thread embroidery

778.S55

Shisha mirror embroidery

778.S64

Silk ribbon embroidery

778.S75

Stump work

778.W55

White work

779

Appliqué

Drawnwork

785

General works

Special kinds

787

Hardanger

791.A-Z

Other, A-Z

Lacemaking

Cf. NK9400+ Decorative art

Cf. TS1782 Machine-made lace

800

General works

805.A-Z

Special laces, A-Z

805.B36

Battenberg lace

805.B63

Bobbin lace

Home arts. Homecrafts

Textile arts and crafts

Decorative needlework. Fancy work

Lacemaking

Special laces, A-Z -- Continued

805.H34

Hairpin lace

805.I74

Irish crochet lace

805.K54

Knitted lace

805.N43

Needlepoint lace

810

Lace craft

Knitting and crocheting

Cf. RM735.7.K54 Therapeutic use

Cf. TT679+ Machine knitting

819.A-Z

By region or country, A-Z

Subarrange each country by Table T4a

820

General works

825

Shawls, sweaters, socks and other articles

829

Toy-knitting. Spool-knitting for children

833

Locker hooking

Class here general works on the technique of hooking. For works on making specific items, see the item, e.g. TT850

Rugs; TT850.2 Wall hangings

Cf. TT850 Rugs

835

Quilting and patchwork

Including quilts, coverlets, etc. made by this technique

Cf. TT779 Appliqué

840.A-Z

Other kinds of fancy work, A-Z

840.M33

Macramé

840.N48

Netting

840.R66

Ropework

840.S66

Smocking

840.S68

Sprang

840.T38

Tatting

845

Tools and supplies

Including catalogs

847

Hand spinning

Including use of the spinning wheel

Cf. TS1480+ Industrial spinning

Hand weaving

Including hand weaving not requiring looms, e. g. card weaving

Cf. TS1490+ Industrial weaving

848

General works

848.5

Handlooms

Home arts. Homecrafts

Textile arts and crafts

Hand weaving -- Continued

849

Tapestry

Cf. NK2975+ Decorative art

Cf. TH8481 Tapestry (Wall decoration)

Cf. TS1780 Machine-made tapestry

849.2

Hammocks

Cf. GN415.3.H35 Ethnology

Cf. TS1781 Textile manufacture

849.5

Felt work

849.7

Textile finishing

850

Hand-made rugs, carpets, etc.

Including those made by hooking

850.2

Flags. Banners. Wall hangings

850.5

Ribbon work

Including paper ribbon work

Textile decoration

Cf. NK9500+ Decorative arts

Cf. TP890+ Chemical industries

851

Textile painting

Cf. TT323 Marbling (Interior painting)

Textile printing. Block printing

852

General works

852.5

Batik

Cf. NK9503+ Decorative arts

852.6

Stencil printing

852.7

Transfer printing. Iron-on transfer work

Cf. NK9510 Art industries

Textile dyeing

Including the dyeing of garments

853

General works

853.5

Tie-dyeing

Dyes

854

General works

854.3

Natural

854.5

Synthetic

Decorative crafts

Cf. BM729.H35 Jewish handicraft

Cf. TT205+ Metal crafts

855

Periodicals, societies, etc.

857

General works

860

Beadwork

Cf. NK3650+ Decorative art

Cf. TS2301.B4 Manufactures

Cf. TT890.2 Bead flowers

862

Shellcraft

Home arts. Homecrafts

Decorative crafts -- Continued

- 865 Sand craft
Cf. NB1270.S3 Sand sculpture
Cf. TT295 Sand casting
- 866 Wax craft
Cf. NK9580+ Wax modeling
Cf. TT894 Wax flowers
- 867 Rubber stamp printing
- 868 Potato printing
- 869 Typewriter art
- 869.5 Computer art. Computer craft
Cf. N7433.8+ Visual arts
- Paperwork
Including the use of cardboard, corrugated paper, etc.
Cf. TL778 Paper airplanes
Cf. TT175+ Paper dolls
Cf. TT850.5 Paper ribbon work
Cf. TT892 Paper flowers
- 870 General works
- 870.5 Box craft
Including box making
- 871 Papier-mâché craft
Cf. TS1155 Manufactures
- 872 Greeting card craft
Including making Christmas cards, birthday cards, etc.
- Vegetable-fiber work
- 873 General works
- 873.2 Banana craft
- 873.5 Gourd craft
- 874 Pine needle crafts
- 874.5 Pine cone craft
- 875 Raffia and bast work
Cf. LB1543 Primary education
- 876 Straw work
- 876.3 Grasswork
- 876.5 Rattan work
Cf. TT197.8 Rattan furniture
- 877 Rush work
- 877.5 Palm frond weaving. Lauhala weaving. Vacoa weaving
- 877.8 Water hyacinth craft
- 878 Cornhusk craft
- 879.A-Z Special articles, A-Z
- 879.B3 Baskets
Cf. NK3649.5+ Decorative arts
Cf. TS910 Industrial basketmaking
- 879.J3 Jackets for bottles, etc.

Home arts. Homecrafts

Decorative crafts

Vegetable-fiber work

Special articles, A-Z -- Continued

Wicker furniture see TT197.7

880

Work in miscellaneous materials

Including felt, string, braid

Fancy articles

Artificial flowers

890

General works

890.2

Bead flowers

890.3

Bread flowers

890.4

Ceramic flowers

Fabric flowers

890.5

General works

890.7

Silk flowers

Cf. SB449.3.S44 Flower arrangement

891

Feather flowers

891.3

Glass flowers

892

Paper flowers

894

Wax flowers

896

Artificial fruits

896.3

Books. Altered books

896.5

Candles

Cf. TP993 Chemical technology of candles

896.55

Chessmen

Cf. NK4696 Decorative art

896.7

Decorated eggs. Eggshell craft

Cf. NK4900 Decorative art of Easter eggs

896.8

Decorative balls

Jewelry see TT212

897

Lampshades

897.2

Lamps

Cf. TK9921 Electricity for amateurs

Cf. TT197.5.L34 Woodwork

898

Masks

For theatrical masks see PN2071.M37

898.2

Merry-go-round art

898.3

Mirrors

Cf. NK8440+ Decorative arts

899

Mobiles

Cf. NB1272 Sculpture

899.2

Picture frames

899.3

Pincushions

Cf. NK4660 Pincushion dolls

899.4

Potpourris (Scented floral mixtures)

899.45

Screens

Home arts. Homecrafts

Decorative crafts

Fancy articles -- Continued

- 899.5 Tassels
- 899.6 Vases
- 899.7 Windchimes
- 899.73 Door harps
- 899.74 Tabletop fountains
 - Cf. NK8724 Decorative arts
- Plant containers and container gardening equipment see SB418.4
- 899.75 Wreaths
 - Cf. SB449.5.W74 Flower arrangement
- 900.A-Z Decorations for special events, A-Z
- 900.C37 Carnival
- 900.C4 Christmas
 - Cf. GT4988 Manners and customs
- 900.E2 Easter
- 900.H32 Halloween
- 900.H34 Hanukkah
- 900.H6 Holidays
- 900.K92 Kwanzaa
- 900.P3 Parties
- 900.S25 Saint Patrick's Day
- 900.T5 Thanksgiving
- 900.V34 Valentine's Day
- Other special techniques
- 910 Collage, assemblage, constructions, etc. in miscellaneous materials
 - Cf. N6494.A8 Assemblage (Art)
 - Cf. N6494.C6 Collage (Art)
 - Cf. TR685 Composite photography
- 911 Face painting (Handicrafts)
- 912 Rubbing craft
 - Cf. NB1840+ Sculpture
 - Cf. NC915.R8 Graphic arts
- 916 Modeling in clay, etc.
 - Cf. NB1180 Sculpture
- Pottery craft
 - Cf. NK3700+ Ceramics (Art industries)
 - Cf. TP807+ Ceramic technology
 - Cf. TT890.4 Ceramic flowers
- 919 Periodicals, societies, etc.
- 919.5 Dictionaries and encyclopedias
- 919.7.A-Z By region or country, A-Z
 - Subarrange each country by Table T4a
- 920 General works

Hairdressing, barbering, beauty culture, cosmetology, etc.

Shop management

Equipment and supplies -- Continued

967

Razors

968

Other special

969

Materials

Including dyes, oils, soaps, etc.

970

Haircutting (General)

Cf. TT960 Barber's manuals

971

Study and teaching

Hairdressing for women

972

General works

973

Hair tinting and bleaching

Hairwork

975

Braids, wigs, toupees, etc.

Cf. PN2069 Theatrical wigs

976

Ornaments, jewelry, etc.

977

Recipes for barbers (for hair preparations)

979

Catalogs of equipment and supplies

Laundry work

Cf. GT482 Laundering customs

Cf. TP932+ Dry cleaning

980

Periodicals, societies, etc.

983

Directories

985

General and domestic

990

Commercial. Steam-laundry work

991

Blueing and bleaching

993

Starching

995

Ironing

997

Materials. Machinery

998

General special

999

Catalogs, etc.

- Home economics
- 1 Periodicals, societies, etc.
- 5 Congresses
- Exhibitions. Museums
- 6.A1 General works
- 6.A2-Z By region or country, A-Z
 - Subarrange each country by Table T4b
- Collected works (nonserial)
- 7 Collections by several authors
- 8 Collected works of individual authors
- 9 Minor collections: Papers, essays, etc.
- 11 Dictionaries and encyclopedias
- 13 Theory. Philosophy
- History and antiquities
 - Including manners and customs, gastronomy, etc.
 - For modern works on gastronomy see TX631+
 - Cf. GT1+ Manners and customs
- 15 General works
- 16 Ancient
- 17 Medieval
- 18 17th-18th centuries
- 19 19th-20th centuries
- 21-127 Special countries (Table T1a)
 - Add country number in table to TX0
- Biography
- 139 Collective
- 140.A-Z Individual, A-Z
- General works
- 144 Early to 1800
- 145 1800-
 - Textbooks see TX167
- 147 General special
 - Including economics of daily life for men, institutional administration
- 148 Juvenile works
- 149 Household science (Chemistry, physics, etc.)
- 150 Home accidents and their prevention
- Pocketbooks, tables, receipts, etc.
 - Class here works that emphasize household economics
- 151 16th-18th century
- 19th century
- 153 American
- 154 English
- 155 French
- 156 German
- 157 Other (not A-Z)
- 20th century

- Pocketbooks, tables, receipts, etc.
 20th century -- Continued
- 158 American
 159 English
 160 French
 161 German
 162 Other (not A-Z)
 164 Home economics as a profession
 Study and teaching
- 165.A1 Periodicals, societies, etc.
 165.A3-Z General works
 167 Textbooks
 170 Examinations, questions, etc.
 170.7 Laboratory manuals
 171-277 Special countries (Table T1a)
 Add country number in table to TX150
 Special schools
 285.A-Z United States. By school, A-Z
 286.A-Z Other countries. By school, A-Z
 295 Essays, light literature, fiction, etc.
 Household apparatus and utensils
 Cf. TX656+ Kitchen utensils
- 298 General works
 299 Catalogs
- The house
 Cf. NA7120 Domestic architecture (Popular works)
 Cf. TH4805+ House construction
 Cf. TX653+ Kitchens
 Cf. TX855+ Dining rooms
- 301 General works
 303 General special
 Location
 305 General works
 307 Household moving
 309 Arrangement
 Furnishing
 Cf. TT387+ Soft home furnishings (Handicraft)
- 311 General works
 315 General special
 Including sheets and pillowcases
- (317) Decoration and ornament
 see NK1700+
- Administration
 321 General works
 323 Care of the house
 Cf. TH2528 Flooring
 Cf. TH4817+ Home maintenance and repair

The house

Administration -- Continued

324

Cleaning

Including silver cleaning

325

Household pests

Cf. RA639+ Insects and disease

Cf. SB818+ Economic entomology

Cf. SB992+ Noxious and useful animals

Cf. TA423.7 Termite control

Finance, budgets, bookkeeping, accounts

For early works see TX15+

Cf. HD6977+ Cost of living

326.A1

Periodicals. Societies. Serials

326.A3-Z

General works

Household employees

331

General works

333

General special. Morals, conduct, etc.

Biography

334

Collective

334.1.A-Z

Individual, A-Z

Shopping. Consumer education

Including shopping guides and directories of discount and outlet stores

For economic aspects of discount and outlet stores see HF5429.2+

Cf. TX356 Shopping for food

335

General works

335.5

Juvenile works

By region or country

United States

336

General works

336.5.A-Z

By region or state, A-Z

Subarrange each country by Table T4a

337.A-Z

Other regions or countries, A-Z

Subarrange each country by Table T4a

339

Janitor service

Cf. LB3235 Schoolhouse service

Cf. TX957+ Apartment house service

340

Clothing

Cf. TT490+ Clothing manufacture

Cf. TT700+ Sewing

Cf. TT980+ Laundry work

- Nutrition. Foods and food supply
 Cf. HD9000+ Provision trade
 Cf. TP368+ Food processing industry
 Cf. TP500+ Beverage industry
 Cf. TS1950+ Butchering, packinghouse industries
 Cf. TS1975 Meat inspection
 Cf. TS2120+ Cereal and grain milling industry
 Periodicals, societies, etc. Food research institutes
 Cf. PN4784.F55 Journalism
- 341 General periodicals
 343 Grocery trade periodicals
 Periodicals relating to adulteration and inspection see
 TX501
- 345 Congresses
 Directories of grocers see HD9320+
 Exhibitions. Pure food shows, etc.
- 346.A1 General works
 346.A2-Z Special. By city, A-Z
- Dictionaries and encyclopedias
 Including dictionaries of cooking
- 349 General works
 350 Bilingual and polyglot
- Biography
 350.7 Collective
 350.8.A-Z Individual, A-Z
- General works. Sources, supply, etc.
 351 Early to 1800
 353 1800-
 354 Textbooks
 354.5 Grocers' catalogs
 355 Popular works. Juvenile works
 Cf. TX149 Household science
 Cf. TX533 Food adulteration, etc.
- 355.5 Addresses, essays, lectures
 356 Shopping for food. Economy. Thrift
 357 General special
 Including dietitians, food economy in war time
- 359 Nutrition policy
 Prefer classification by country in TX360.A+
 Cf. HD9000.6 Food products industry
- Diet, food supply, nutrition policy of special countries
 360.A-Z By region or country, A-Z
Under each country:
 .x *General works*
 .x2A-.x2Z *By state, province, etc., A-Z*
 .x3A-.x3Z *Special. By city, A-Z*
 e.g.

- Nutrition. Foods and food supply
 Diet, food supply, nutrition policy of special countries
 By region or country, A-Z -- Continued
 United States
 General works
 By state, A-W
 By city, A-Z
 Developing countries
 Diet and nutrition of special classes and groups, A-Z
 African Americans
 Aged. Older people
 Agricultural laborers
 Astronauts see TX361.S63
 Athletes
 Bodybuilders
 Children
 College students
 Cyclists
 Elementary school students
 Executives
 Farmers
 Fishers
 Greek Americans
 Handicapped. People with disabilities
 High school students
 Hispanic Americans
 Hmong Americans
 Homeless
 Low-income groups see TX361.P66
 Mexican Americans
 Middle-aged persons
 Middle school students
 Migrant laborers
 Miners
 Older people see TX361.A3
 People with disabilities see TX361.H35
 Poor. Low-income groups
 Preschool children
 Runners
 Soccer players
 Space travelers. Astronauts
 Teenage girls
 Tennis players
 Women
 Workers
 Working women
 Youth

360.U6
 360.U62A-.U62W
 360.U63A-.U63Z
 360.5
 361.A-Z
 361.A27
 361.A3
 361.A4

 361.A8
 361.B64
 361.C5
 361.C6
 361.C94
 361.E43
 361.E93
 361.F37
 361.F5
 361.G74
 361.H35
 361.H53
 361.H57
 361.H62
 361.H65

 361.M39
 361.M47
 361.M474
 361.M48
 361.M5

 361.P66
 361.P74
 361.R86
 361.S58
 361.S63
 361.T44
 361.T45
 361.W55
 361.W6
 361.W7
 361.Y6

Nutrition. Foods and food supply -- Continued

Study and teaching

364

General works

365.A-Z

Special schools, A-Z

367

Research

For food research institutes see TX341+

Markets see HF5469.7+

Grocery business see HD9320+

369

Natural foods

370

Junk food. Convenience foods

Food of animal origin

Cf. TS1960+ Butchering, packinghouse industries, etc.

Cf. TS1975 Meat inspection

371

General works

373

Butchers' meats

375

Poultry and game

Cf. SF481+ Poultry culture

Dairy foods

Cf. SF221+ Dairying

377

General works

379

Milk

380

Yogurt

381

Butter

382

Cheese

383

Eggs

Cf. SF481+ Poultry culture

385

Fish

Cf. SH1+ Fisheries

387

Shellfish

Cf. SH365+ Fisheries

Cf. SH380+ Lobster fisheries

388.A-Z

Other natural products, A-Z

388.I5

Insects

388.T8

Turtles

388.W4

Whales

389

Prepared foods, meat extracts, etc.

Including trade publications

Vegetable foods

391

General works

Vegetarianism

Cf. BL65.V44 Religious aspects

Cf. TX837+ Cooking

392.A1-.A4

Periodicals, societies, etc.

392.A5-Z

General works

Biography

392.7

Collective

392.8.A-Z

Individual, A-Z

Nutrition. Foods and food supply

Vegetable foods -- Continued

Cereals

- 393 General works
- 394 Bread
- 394.5 Pasta products
- 395 Prepared cereals
 - Cf. TP435.C4 Food processing industry

396

Flowers

397

Fruits

399

Nuts

Vegetables

- 401 General works
- 401.2.A-Z Special, A-Z
- 401.2.P47 Peppers. Hot peppers
- 401.2.P67 Potatoes
- 401.2.S69 Soybeans and soybean products
 - Including soy sauce

402

Algae as food

Including marine algae

Condiments, spices, etc.

406

General works

407.A-Z

Special, A-Z

407.M38

Mayonnaise

407.O34

Oils and fats, Edible

407.S69

Soy sauce

409

Baking powders, etc.

Beverages

Cf. TP620+ Chemical technology

412

General works

415

Tea, coffee, cocoa, etc.

Examination and analysis. Composition. Adulteration

For foods and public health see RA601+

For food processing see TP372.5+

For meat inspection see TS1975

501

Periodicals, societies, etc.

Including those relating to adulteration and inspection

Cf. TX341+ Nutrition

511

Congresses

For pure food congresses see HD9000.9.A+

515

History

Biography

517

Collective

518.A-Z

Individual, A-Z

e.g.

518.W5

Wiley, H. W.

531

General works

- Nutrition. Foods and food supply
 Examination and analysis. Composition. Adulteration --
 Continued
- 533 Popular works
 535 General special. Pamphlets
 537 Food standards, etc.
 Analysis (Methods)
 541 General works
 542 Magnetic resonance imaging
 543 Microscopic
 544 Thermal
 545 Chemical
 546 Sensory evaluation
 Spectrum analysis
 547 General works
 547.2.A-Z Special methods, A-Z
 547.2.I53 Infrared spectroscopy
 Chromatography
 548 General works
 548.2.A-Z Special methods, A-Z
 548.2.G36 Gas
 548.2.L55 Liquid
 548.2.T48 Thin layer
 549 Immunoassay
 Dietary studies, food values, experiments, tests, etc.
 Cf. RM214+ Therapeutics
 Cf. TX341+ Food supply
 Cf. TX361.A+ Foods for special classes
- 551 General works
 552 Canned foods
 552.15 Baked products
 553.A-Z Special constituents, A-Z
 553.A3 Additives
 553.A5 Amino acids
 553.A7 Antibiotics
 553.A73 Antioxidants
 553.A8 Ascorbic acid
 553.C23 Calcium
 553.C28 Carbohydrates
 553.C3 Carotinoids
 553.C43 Cholesterol
 553.C45 Choline
 553.E6 Enzymes
 553.F53 Fibers
 553.G47 Gluten
 553.I75 Iron
 553.L5 Lipids

Nutrition. Foods and food supply

Examination and analysis. Composition. Adulteration

Dietary studies, food values, experiments, tests, etc.

Special constituents, A-Z -- Continued

553.M55 Minerals
 553.P4 Pectic substances
 553.P45 Phosphorus
 553.P65 Polysaccharides
 553.P7 Proteins
 553.S65 Sodium
 553.S8 Sugar
 553.T7 Trace elements
 553.U5 Unsaturated fatty acids
 553.V5 Vitamins
 553.W3 Water

Special foods

Food of animal origin

555 General works
 556.A-Z Special, A-Z
 556.B4 Beef
 556.B8 Buffalo
 Dairy products see TX556.M5
 556.E4 Eggs
 556.G45 Gelatin
 556.H8 Horsemeat
 556.K36 Kangaroo meat
 556.L3 Lamb
 556.M4 Meat
 556.M43 Meat, Precooked
 556.M5 Milk and milk products
 556.P6 Pigeons
 556.P8 Pork
 556.P9 Poultry
 556.V4 Venison
 556.5 Fish. Seafood

Vegetables, cereals, fruits, etc.

557 General works
 558.A-Z Special, A-Z
 558.A3 Acorns
 558.A6 Apples
 558.B3 Bananas
 558.B35 Barley
 Bean curd see TX558.T57
 558.B4 Beans
 558.B6 Bran
 558.B7 Bread
 558.C2 Cabbage

- Nutrition. Foods and food supply
 Examination and analysis. Composition. Adulteration
 Dietary studies, food values, experiments, tests, etc.
 Special foods
 Vegetables, cereals, fruits, etc.
 Special, A-Z -- Continued
- 558.C35 Cassava
 - 558.C38 Chia
 - 558.C4 Chickpea
 - 558.C5 Citrus fruits
 - 558.C54 Coca flour
 - 558.C57 Corn. Cornmeal. Maize
 - 558.C6 Cowpea
 - 558.D3 Dasheen
 - 558.D35 Dates
 - Flour see TX558.W5
 - 558.F7 Fruit (General)
 - 558.G6 Grapes
 - 558.G67 Groats
 - 558.H2 Hay
 - 558.L4 Legumes (General)
 - 558.L5 Lemon
 - 558.L6 Logan blackberry
 - Maize. Corn, cornmeal see TX558.C57
 - 558.M5 Millet
 - 558.M9 Mushrooms and other fungi
 - 558.N6 Nori
 - 558.N8 Nuts
 - 558.O3 Oats
 - 558.O5 Olives
 - 558.O7 Oranges
 - 558.P3 Peaches
 - 558.P35 Peas
 - 558.P8 Potatoes
 - 558.R4 Rhubarb
 - 558.R5 Rice
 - 558.R9 Rye
 - 558.S6 Sorghum
 - 558.S7 Soybean
 - 558.S75 Sprouts
 - 558.S8 Starches
 - 558.S94 Sweet potatoes
 - 558.T39 Tempeh
 - 558.T57 Tofu
 - 558.T6 Tomatoes
 - 558.T7 Triticale
 - 558.V4 Vegetable juices

- Nutrition. Foods and food supply
 Examination and analysis. Composition. Adulteration
 Dietary studies, food values, experiments, tests, etc.
 Special foods
 Vegetables, cereals, fruits, etc.
 Special, A-Z -- Continued
 Wheat. Flour
- 558.W5
 Miscellaneous products
- 559
 General works
- 560.A-Z
 Special, A-Z
- 560.A3
 Alcohol
- 560.B8
 Bread
- 560.C2
 Cacao
 Cocoa-butter see TP684.C2
- 560.C63
 Coffee
- 560.C65
 Confectionery
- 560.C7
 Cottonseed products
- 560.D68
 Dough
- 560.F3
 Fats (Animal and vegetable)
- 560.F47
 Fermented food
- 560.H7
 Honey
- 560.M2
 Macaroni
- 560.M3
 Maple sugar. Maple syrup
- 560.M35
 Mate (Tea)
- 560.N7
 Nut oils
- 560.O3
 Oils (General)
- 560.O4
 Olive oil
- 560.P6
 Pollen
- 560.S4
 Seed oils
- 560.S9
 Sugar
- 560.Y4
 Yeast
- Adulterants and adulteration, impurities, etc.
 Cf. QP501+ Physiological effects of chemicals
 Cf. RA601+ Public hygiene - Foods
 General works see TX531
- 563
 Detection of adulterants
- 567
 Microscopic analysis
- 569
 Chemical analysis
- Special adulterants and impurities
 By classes, A-Z
 Cf. TX599+ Preservatives
- 571.A58
 Antibiotic residues
- 571.C7
 Coloring matter
- 571.G3
 Gases, Asphyxiating and poisonous
- 571.M48
 Metals
- 571.P4
 Pesticide residues
- 571.P63
 Plastics. Urethanes

- Nutrition. Foods and food supply
 Examination and analysis. Composition. Adulteration
 Adulterants and adulteration, impurities, etc.
 Special adulterants and impurities
 By classes, A-Z -- Continued
- 571.R3 Radioactivity
 - 571.S65 Solvents
 - 571.S9 Sweeteners, Artificial
 - Urethanes see TX571.P63
 - 571.V48 Veterinary drug residues
 - 571.X45 Xenobiotics
 - 572.A-Z By chemical composition, A-Z
 - 572.A6 Aluminum
 - 572.A77 Arsenic
 - 572.C24 Cadmium
 - 572.C3 Calcium sulfate
 - 572.H4 Heavy metals
 - 572.L4 Lead
 - 572.M4 Mercury
 - 572.N5 Nitrates, nitrites
 - 572.P65 Polychlorinated biphenyls
 - 572.S79 Styrene
 - 572.S9 Sulfurous acid
 - 572.T6 Tin
 - Special foods
 - Including methods of analysis
 - 583 Coffee
 - 585 Tea
 - Milk see SF254.A1+
 - Spices
 - 587 General works
 - 588.A-Z Special, A-Z
 - 589 Flavoring extracts
 - 595.A-Z Other foods, A-Z
 - 595.F47 Fish
 - 595.F5 Flour
 - 595.R37 Rape oil
 - 595.T6 Tomatoes
 - Beverages
 - 596 General works
 - 597 Alcoholic beverages
 - Cf. TP612 Compounding

- Nutrition. Foods and food supply -- Continued
 Preservation and storage of foods in the home. Food handling in the home
 Cf. HD9320+ Grocery trade
 Cf. RA601+ Public hygiene
 Cf. SB129+ Farm produce
 Cf. SF250.5+ Dairy products
 Cf. SH334.9+ Fishery products
 Cf. TP371.2+ Food processing industry
 Cf. TS1968 Poultry processing
- 599 Periodicals, societies, yearbooks, etc.
 600 Directories
 601 General works
 602 Study and teaching. Research
 603 Canning
 Cold storage see TP372.2
 Chemical treatment. Preservatives see TP371.4+
 609 Drying, smoking, etc.
 Cf. TX835 Smoked foods cooking
- 610 Freezing
 Sterilization see TP371.35
 Radiation sterilization see TP371.8
- 612.A-Z Special foods and condiments, A-Z
 612.A6 Apples
 612.B4 Berries
 612.C5 Cherries
 612.C57 Citrus fruits
 612.E4 Eggs
 612.F5 Fish (General)
 612.F7 Fruit (General)
 Game dressing and skinning see SK36.2
 612.J3 Jam (General)
 612.J4 Jelly (General)
 612.M37 Marmalade
 612.M4 Meat
 612.M8 Mushrooms
 612.T7 Tomatoes
 612.V4 Vegetables (General)
 Cf. SB324.85 Storage for market
- Gastronomy, pleasures of the table, dining, etc.
 631 General works
 633 American
 635 English
 637 French
 639 German
 641 Other (not A-Z)
- Cooking

Cooking -- Continued

Periodicals see TX1

Exhibitions. Museums see TX6.A1+

642 Collectors and collecting. Collectibles

Dictionaries and encyclopedias see TX349+

Communication of cooking information

643 General works

644 Language. Authorship

645 History

648 Awards, prizes, etc. Competitions

Biography

649.A1 Collective

649.A2-Z Individual, A-Z

650 Directories

For directories of restaurants, etc. see TX907+

General works

651 Treatises

Class here works emphasizing technique of cooking, with or
without recipes

Cf. TX714 General recipe collections

652 General special

652.5 Juvenile works

652.7 Minor works, tables, etc.

652.9 Essays, lectures, etc.

Kitchen

653 General works

655 Arrangement

Equipment, appliances, utensils, etc.

Cf. NK6140 Kitchen collectibles

656 General works

657.A-Z Special, A-Z

657.A66 Apple parers

657.B34 Baking pans

Chafing dishes see TX825

657.C67 Coffee making paraphernalia

657.C7 Cookers

657.C72 Cookie molds. Cookie cutters

Cookware

657.C74 General works

Baking pans see TX657.B34

Kettles see TX657.K4

657.C76 Corkscrews

657.D6 Dishwashing machines

657.E35 Eggbeaters

Fireless cookers see TX831

657.F7 Fryers

657.I24 Ice cream scoops

Cooking

Equipment, appliances, utensils, etc.

Special, A-Z -- Continued

- 657.K4 Kettles
- 657.K54 Knives
- 657.M85 Muffin pans
- 657.N87 Nutcrackers
- Ovens
- 657.O57 Brick. Clay
- 657.O6 Gas
- 657.O64 Microwave
- 657.P6 Potato peeling machines
- 657.S28 Spoons
- Stoves and ranges
 - Cf. TS425 Stove manufacture
- 657.S3 General
- 657.S4 Coal
- 657.S5 Electric
- 657.S6 Gas
- 657.S7 Gasoline
- 657.S8 Oil
- 657.S9 Wood
- 657.T43 Tea making paraphernalia
- Toasters
 - 657.T58 Electric
 - 657.T6 Gas
- 658 Catalogs of miscellaneous articles
- Study and teaching
- 661 General works
- 663 Textbooks, etc.
- Special schools
 - 667 American
 - 669.A-Z Other countries, A-Z
- Cooking processes
- 681 General works
- 683 Baking
- 685 Boiling
- 686 Braising
- 687 Broiling
- Frying
 - 689 General works
 - 689.4 Sautéing
 - 689.5 Stir frying
- 690 Roasting
- 690.7 Sous-vide
- 691 Steaming
- 693 Stewing. Cooking en casserole

Cooking -- Continued

Cookbooks

Early to 1800

- 703 American. Canadian
- 705 English
- 707 French
- 709 German
- 711 Italian
- 713 Other (not A-Z)

1800-

- 714 General recipe collections
 - Class here works consisting of collected recipes not primarily of a regional, ethnic, or international nature, nor using a specific ingredient or method of cooking, in which the technique of cooking is not emphasized
 - For treatises see TX651
 - For ethnic or regional cooking see TX714+
 - For international cooking see TX725.A1
- American
 - For French, German, etc., cookbooks published in America, see TX719, TX721, etc.
- 715 General works
- 715.2.A-Z By style of cooking, A-Z
 - 715.2.C34 California style
 - Hawaiian style see TX724.5.H3
 - 715.2.L68 Louisiana style
 - 715.2.M53 Midwestern style
 - 715.2.N48 New England style
 - 715.2.P32 Pacific Northwest style
 - Pennsylvania Dutch style see TX721
 - 715.2.S68 Southern style
 - 715.2.S69 Southwestern style
 - 715.2.W47 Western style
- 715.6 Canadian
- 715.8 Greenlandic
- Latin American
 - 716.A1 General works
 - 716.A3-Z By region or country, A-Z
- 717 English
- 717.2 Celtic
- 717.3 Scottish
- 717.5 Irish
- 717.7 Welsh
- French
 - 719 General works
 - 719.2.A-Z By style of cooking, A-Z
 - 719.2.A45 Alsatian

Cooking

Cookbooks

1800-

French

By style of cooking, A-Z -- Continued

719.2.B74

Brittany

719.2.B87

Burgundy

719.2.C67

Corsican

719.2.F73

Franche-Comté

719.2.G37

Gascony

719.2.N67

Normandy

719.2.P75

Provençal

721

German. Austrian

Including Pennsylvania-Dutch cookbooks

Scandinavian

722.A1

General works

722.A3-Z

By region or country, A-Z

Italian

723

General works

723.2.A-Z

By style of cooking, A-Z

723.2.N65

Northern

723.2.S55

Sicilian

723.2.S65

Southern

723.2.T86

Tuscan

Russian

723.3

European

723.4

Asiatic

Including Caucasian

Other European

723.5.A1

General works

723.5.A3-Z

By region or country, A-Z

Jewish. Israeli

Cf. TX739.2.H35 Hanukkah

Cf. TX739.2.P37 Passover

724

General works

724.2.A-Z

By style of cooking, A-Z

724.2.H86

Hungarian

724.2.S47

Sephardic

724.2.T75

Tripolitanian

Oriental. Asian

Including East Asian, South Asian, Southeast Asian, and
Polynesian

For Asiatic Russian see TX723.4

For Middle Eastern see TX725.M628

724.5.A1

General works

724.5.A3-Z

By region or country, etc., A-Z

e. g.

Cooking

Cookbooks

1800-

Oriental. Asian

By region or country, etc., A-Z -- Continued

724.5.C5

Chinese

724.5.H3

Hawaiian

724.5.I4

India

724.5.I5

Indonesia

724.5.J3

Japan

724.5.K65

Korea

724.5.T5

Thailand

724.5.V5

Vietnam

Other

725.A1

International

725.A3-Z

By region or country, A-Z

Including Africa, Australia, Middle East, etc.

725.M628

Middle East

(725.N36)

Near East

see TX725.M628

Cooking using alcoholic beverages

726

Wine. Liquors

726.2

Cider

726.3

Beer

Menus, bills of fare, kitchen almanacs, etc.

Cf. TX911.3.M45 Hotels, clubs, restaurants, etc.

727

Early to 1800

728

1800-

731

Entertaining, dinner-giving, etc.

For entertaining in which food is not primary see GV1+

Special meals

For individual foods or ingredients see TX743+

For special methods of cooking see TX820.2+

733

Breakfasts. Brunches

735

Luncheons

Including lunchbox cooking

736

Afternoon teas

Cf. GT2905+ Tea customs

Cf. TX817.T3 Beverages

737

Dinners

738

Suppers

738.5

Buffets

Special occasions. Holidays

General works

739

By occasion or holiday, A-Z

739.2.A-Z

Advent

739.2.A48

Christmas

739.2.C45

Cooking

Menus, bills of fare, kitchen almanacs, etc.

Special meals

Special occasions. Holidays

By occasion or holiday, A-Z -- Continued

739.2.E37

Easter

Fast day see TX837+

739.2.H34

Halloween

739.2.H35

Hanukkah

Lent see TX837+

739.2.P37

Passover

Picnics see TX823

739.2.R67

Rosh ha-Shanah

739.2.T45

Thanksgiving

739.2.V34

Valentine's Day

740

Miscellaneous recipes. Canapes, hors d'oeuvres, salads, etc.

For vegetable salads see TX807

740.5

Food presentation. Garnishes

741

Natural foods

Food of animal origin

743

General works

745

Eggs

746

Insects

746.2

Earthworms

Fish. Seafood

Cf. TX753+ Shellfish

747

General works

748.A-Z

Special, A-Z

748.A53

Anchovies

748.B37

Bass

748.B55

Bluefish

748.B67

Bowfin

748.B85

Burbot

748.C35

Carp

748.C36

Catfish

748.C38

Caviar

748.C63

Codfish

748.C73

Crappie

748.D64

Dogfish

748.E32

Eels

748.F83

Fugu

(748.G7)

Grayfish

see TX748.D64

748.G74

Groupers

748.H33

Haddock

748.H45

Herring

748.M32

Mackerel

Cooking

Food of animal origin

Fish. Seafood

Special, A-Z -- Continued

748.M84 Mullet
 748.P54 Pike
 748.P64 Pollock
 748.S24 Salmon
 748.S26 Sardines
 748.S5 Sharks
 748.S58 Skates (Fishes)
 748.S68 Squid
 748.S75 Striped bass
 748.T54 Tilefish
 748.T74 Trout
 748.T84 Tuna
 748.W48 Whale meat

Meat

749 General works
 749.5.A-Z Special, A-Z
 749.5.A44 Alligator
 749.5.B43 Beef
 Game see TX751
 749.5.G63 Goat meat
 749.5.H35 Ham
 749.5.H67 Horsemeat
 749.5.L35 Lamb and mutton
 749.5.P67 Pork
 Poultry see TX750+
 749.5.R32 Rabbit
 749.5.S28 Sausages
 749.5.V37 Variety meats

Poultry

750 General works
 750.5.A-Z Special, A-Z
 750.5.C45 Chicken
 750.5.D82 Duck
 750.5.E45 Emu
 750.5.O77 Ostrich
 750.5.P45 Pheasant
 750.5.Q34 Quail
 750.5.T87 Turkey

751

Game

Shellfish

753 General works
 754.A-Z Special, A-Z
 754.C53 Clams

Cooking

Food of animal origin

Shellfish

Special, A-Z -- Continued

754.C83

Crabs

754.C84

Crayfish

754.L63

Lobsters

754.M98

Mussels

754.O98

Oysters

754.S58

Shrimp

754.S63

Snails

757

Soups

Dairy products

759

General works

759.5.A-Z

Special, A-Z

759.5.B87

Butter

759.5.C48

Cheese

Evaporated milk see TX759.5.M54

759.5.M54

Milk

759.5.S68

Sour cream and milk

759.5.Y63

Yogurt

Baking. Confectionery

Cf. GT5960.B34+ Manners and customs

761

Periodicals, societies, etc.

763

General works

765

Minor works, recipe books, etc.

767.A-Z

Recipes for special food products, A-Z

767.A65

Apple butter

767.C5

Chocolate

767.H7

Honey

767.M3

Maple sugar and syrup

767.W48

White chocolate

Bread

769

General works

770.A-Z

Special breads, A-Z

770.B35

Bagels

770.B55

Biscuits. Scones

770.C45

Challah

770.C64

Corn bread

770.C72

Crackers

Crepes see TX770.P34

770.C74

Croissants

770.D67

Doughnuts

770.F55

Filo dough

770.F63

Focaccia

770.F73

French toast

770.M83

Muffins

Cooking

Baking. Confectionery

Bread

Special breads, A-Z -- Continued

- 770.P34 Pancakes. Waffles. Crepes
- 770.P56 Pita bread
- 770.P58 Pizza
- 770.P73 Pretzels
- 770.S66 Scones see TX770.B55
- 770.T65 Sourdough bread
- 770.T65 Tortillas
- 770.W56 Waffles see TX770.P34
- 770.W56 Whole wheat bread

Cakes

Including cupcakes

- 771 General works
- 771.2 Cake decorating
- 772 Cookies
- 773 Desserts, pies, and puddings. Pastry
- 775 Directories of bakers, etc.
- 776 Bakers' trade publications
- 778 Bakers' and confectioners' supplies
- Including catalogs
- Cf. TX657.B34 Baking pans

Confectionery

Periodicals see TX761

- 783 General works
- Candy
- 784 History of candy manufacture
- 791 General works
- 792 Juvenile works
- 793 Candymakers' tools, etc.
- Desserts see TX773
- Ice creams and ices
- 795.A1 Periodicals, societies, etc.
- 795.A2-Z General works
- 799 General special

Vegetables (Preparation)

Cf. TX392+ Vegetarianism

- 801 General works
- 803.A-Z Special vegetables, A-Z
- 803.A7 Artichokes
- 803.A8 Asparagus
- 803.B4 Bean curd see TX814.5.T63
- 803.B6 Beans
- 803.B66 Broccoli
- 803.B7 Brussels sprouts

Cooking

Vegetables (Preparation)

Special vegetables, A-Z -- Continued

- 803.C3 Cabbage
 803.C35 Carrots
 803.C37 Cassava
 803.C68 Cowpeas
 803.C83 Cucumbers
 803.D34 Dandelions
 803.E4 Eggplant
 803.F85 Fungi
 803.G74 Greens
 803.L4 Leeks
 803.O37 Okra
 803.O5 Onions
 803.P35 Peanuts
 Cf. TX814.5.P38 Peanut butter
 803.P4 Peas
 803.P46 Peppers
 803.P8 Potatoes
 803.P93 Pumpkin
 803.R33 Radishes
 803.R58 Rhubarb
 803.S6 Soybeans
 803.S63 Spaghetti squash
 803.S67 Squash
 803.S94 Sweet potatoes
 803.T37 Taro
 803.T6 Tomatoes
 Cf. TX814.5.T65 Tomato paste
 803.T87 Turnips
 Vegetable spaghetti see TX803.S63
 803.Z82 Zucchini
 804 Mushrooms
 Including specific types of mushrooms
 804.5 Truffles
 805 Pickles
 806 Kimch'i
 807 Salads
- Cereals (Preparation)
- 808.A1 Periodicals, societies, etc.
 808.A2-Z General works
 809.A-Z Special, A-Z
 Cf. TX395 Prepared cereals
 Cf. TX803.A+ Special vegetables
 809.B75 Brown rice
 809.B8 Buckwheat

Cooking

Cereals (Preparation)

Special, A-Z -- Continued

| | |
|----------|---------------------|
| 809.B85 | Bulgur |
| | Corn see TX809.M2 |
| 809.G55 | Gluten |
| 809.G7 | Granola |
| 809.M17 | Macaroni. Pasta |
| 809.M2 | Maize. Corn |
| 809.N65 | Noodles |
| 809.O22 | Oat bran |
| 809.O23 | Oats |
| | Pasta see TX809.M17 |
| 809.P67 | Porridge |
| 809.Q55 | Quinoa |
| 809.R5 | Rice |
| 809.R52 | Rice flour |
| 809.S64 | Spelt |
| 809.W45 | Wheat |
| 809.W453 | Wheat germ |
| 809.W55 | Wild rice |

Fruits (Preparation)

General works

Special fruits, A-Z

| | |
|---------|---------------------|
| 811 | General works |
| 813.A-Z | Special fruits, A-Z |
| 813.A6 | Apples |
| 813.A64 | Apricots |
| 813.A9 | Avocados |
| 813.B3 | Bananas |
| 813.B4 | Berries |
| 813.B5 | Blueberries |
| 813.B73 | Breadfruit |
| 813.C4 | Cherries |
| 813.C5 | Citrus fruits |
| 813.C7 | Cranberries |
| 813.C87 | Currant grapes |
| 813.D3 | Dates |
| 813.F5 | Figs |
| 813.G73 | Grapefruit |
| 813.G74 | Grapes |
| 813.G83 | Guava |
| 813.H83 | Huckleberries |
| 813.K55 | Kiwifruit |
| 813.L4 | Lemons |
| 813.L55 | Limes |
| 813.M35 | Mangos |
| 813.O4 | Olives |
| 813.O6 | Oranges |

Cooking

Fruits (Preparation)

Special fruits, A-Z -- Continued

813.P3 Papaya
813.P34 Passion fruit
813.P38 Peach palm
813.P4 Peaches
813.P43 Pears
813.P45 Persimmons
813.P5 Pineapples
813.P55 Plums
813.P64 Pomegranates
813.P78 Prunes
813.R34 Raisins
813.R37 Raspberries
813.S85 Stone fruit
813.S9 Strawberries

Nuts (Preparation)

814 General works
814.2.A-Z Special nuts, A-Z
814.2.A25 Acorns
814.2.A44 Almonds
814.2.C48 Chestnuts
814.2.C63 Coconuts
814.2.H39 Hazelnuts
814.2.M33 Macadamia
814.2.P4 Pecans
814.2.W3 Walnuts
814.5.A-Z

Other, A-Z

Bean curd see TX814.5.T63
814.5.C35 Carob
814.5.C63 Coconut flour
814.5.F5 Flowers
814.5.G4 Gelatin
814.5.H45 Hemp
814.5.J35 Jam
814.5.K83 Kudzu
814.5.L68 Lotus
814.5.M63 Mochi
814.5.P38 Peanut butter
814.5.P66 Popcorn
814.5.R53 Rice cakes
814.5.R58 Roselles
814.5.R6 Roses
814.5.S34 Sago
814.5.S44 Seeds
814.5.S47 Sesame

Cooking

Other, A-Z -- Continued

- 814.5.T45 Tempeh
- 814.5.T48 Textured soy protein
- 814.5.T63 Tofu
- 814.5.T64 Tomato juice
- 814.5.T65 Tomato paste

Beverages

- Cf. TP500+ Technology
- Cf. TX726+ Cooking using alcoholic beverages
- Cf. TX951 Bartenders' manuals

815

General works

817.A-Z

Special beverages, A-Z

- 817.C4 Beer see TX726.3
- 817.C5 Chocolate
- 817.C6 Cocoa
- 817.C6 Coffee
- 817.L45 Lemonade
- 817.M5 Milkshakes. Malted milk
- 817.T3 Tea

818

Sandwiches

Condiments, sauces, etc.

819.A1

General works

819.A3-Z

Special, A-Z

- Cf. TX740 Canapes, hor d'oeuvres, etc.
- Cf. TX805 Pickles

819.B37

Basil

819.C36

Canola oil

819.C53

Cinnamon

819.C6

Coffee (as a flavor)

819.C65

Coriander

819.C9

Curry

819.F78

Fructose

819.G3

Garlic

819.G53

Ginger

819.G55

Glutamate

819.H4

Herbs

- Cf. GT5164 Manners and customs

819.H66

Hot peppers

819.K48

Ketchup

819.L38

Lavender

819.M25

Marijuana

819.M26

Marinades

819.M3

Mayonnaise

819.M56

Mint

819.M57

Miso

819.M65

Molasses

Cooking

Condiments, sauces, etc.

Special, A-Z -- Continued

- 819.M87 Mustard
- 819.O4 Olive butter
- 819.O42 Olive oil
- 819.P3 Pepper
- 819.P45 Pestos
- 819.S24 Saffron
- 819.S27 Salad dressing
- 819.S29 Salsas
- 819.S58 Soy sauce
- 819.S75 Stevia
- 819.S8 Stocks
- 819.S94 Sugar
- 819.S96 Syrups
- 819.V35 Vanilla
- 819.V5 Vinegar
- 819.W5 White sauce
- 819.W65 Worcestershire sauce
- 820 Cooking for large numbers. Institutional cooking
 - For communal kitchens see TX946
- Other special varieties of cooking
 - For individual foods or ingredients see TX743+
 - Army see UC720+
- 821 Canned foods, etc.
- 823 Camp and picnic. Outdoor cooking
 - Casserole cooking see TX693
- 825 Chafing dish cooking
- 825.5 Clay pot cooking
- 826 Cold-storage foods
 - Cooking for sick soldiers see UH487+
 - Cooking for the sick see RM219+
 - Diabetic cooking see RC662
- 826.5 Dried foods
- 827 Electric cooking
 - Cf. TX657.S5 Electric stoves
 - Cf. TX832 Microwave cooking
- Fast day see TX837+
- 828 Frozen food
- 829 Hot weather
- 830 Cold dishes
- 831 Fireless cookers. Hayboxes, etc.
- 832 Microwave cooking
 - Navy see VC350+
- 833 Paper-bag cooking
- 833.5 Quick and easy cooking

Cooking

Other special varieties of cooking -- Continued

- 834 Skewer cooking. Kabobs
 835 Smoked foods
 Cf. TX609 Smoking of foods
 835.5 Solar cooking
 836 Stuffed foods
 Vegetarian. Lenten. Fast day
 Cf. TX391+ Vegetables
 837 General works
 838 Meat substitutes
 840.A-Z Other special, A-Z
 840.B3 Barbecue cooking
 840.B5 Blender recipes
 840.C65 Convection oven cooking
 840.D88 Dutch oven cooking
 840.F5 Fireplace cooking
 840.F6 Food processor recipes
 840.J84 Juicer recipes
 Lunchbox cooking see TX735
 840.M35 Mandoline recipes
 Marine cooking see TX840.M7
 840.M5 Mixer recipes
 840.M6 Mobile home cooking
 840.M7 Motorboat cooking. Marine cooking
 840.O53 One-dish meals
 840.P7 Pressure cooker recipes
 840.S55 Skillet cooking
 840.T63 Toaster oven cooking
 Trailer cooking see TX840.M6
 840.W65 Wok cooking
 Cf. TX724.5.C5 Chinese cooking
- Dining-room service
- 851 General works
 Dining room
- 855 General works
 857 Arrangement
 859 Decoration
- Table
- 871 General works
 873 Arrangement
 877 Furnishings
 879 Decoration
 881 Serving
 885 Carving

Hospitality industry. Hotels, clubs, restaurants, etc. Food service

Cf. GT3770+ Manners and customs
 Cf. GV198.945+ Farm vacations, dude ranches, etc.
 Cf. GV854.35+ Ski resorts
 Cf. NA7800+ Architecture
 Cf. RA794 Health resorts
 Cf. SH405 Fishing resorts

901

Periodicals, societies, etc.

905

Dictionaries and encyclopedias

Directories

Including restaurant and hotel guidebooks, etc.

For directories of chefs see TX650

907

General works

By region or country

United States

907.2

General works

907.3.A-Z

By region or state, A-Z

Subarrange each state by Table T4a

907.5.A-Z

Other regions or countries, A-Z

Subarrange each country by Table T4a

History

908

General works

Special countries

United States

909.A1

Periodicals, societies, etc.

909.A2-Z

General works

Other countries

910.A1

Europe

910.A2-Z

By region or country, A-Z

Special hotels see TX941.A+

Special restaurants see TX945.5.A+

Special taverns, barrooms, etc. see TX950+

Biography

910.3

Collective

910.5.A-Z

Individual, A-Z

911

General works

911.2

General special

911.3.A-Z

Special topics, A-Z

Accounting see HF5686.H75

Appraisal see TX911.3.V34

Bookkeeping see HF5686.H75

911.3.C3

Cashiering

911.3.C6

Commercial correspondence

Concierge services see TX911.3.C63

911.3.C63

Concierges and concierge service

911.3.C65

Cost control

Hospitality industry. Hotels, clubs, restaurants, etc. Food service

Special topics, A-Z -- Continued

- 911.3.C8 Customer relations
- 911.3.E4 Electronic data processing
- 911.3.E45 Energy consumption
- Equipment and supplies see TX912
- 911.3.E84 Ethics
- 911.3.F5 Finance
- Fires and fire prevention in hotels see TH9445.H75
- Fires and fire prevention in restaurants see TH9445.R44
- Food service see TX943+
- 911.3.F75 Front desk
- Housekeeping see TX928
- 911.3.I5 Inventory control
- 911.3.J65 Job descriptions
- 911.3.L27 Labor productivity
- 911.3.L3 Labor turnover
- 911.3.L62 Location
- Maintenance and repair see TX928
- 911.3.M27 Management
- 911.3.M3 Marketing
- 911.3.M33 Mathematics
- 911.3.M45 Menus. Wine lists
- 911.3.P4 Personnel management
- 911.3.P46 Planning
- 911.3.P7 Prices
- 911.3.P77 Public relations
- 911.3.P8 Purchasing
- 911.3.Q34 Quality control
- 911.3.R3 Rates
- 911.3.R47 Reservations
- 911.3.R48 Restrooms
- 911.3.R57 Risk management
- Room service see TX943+
- 911.3.S24 Safety measures
- 911.3.S3 Sanitation
- 911.3.S4 Security
- Site selection see TX911.3.L62
- 911.3.S73 Statistical methods
- 911.3.S8 Stockroom keeping
- 911.3.T32 Table setting and decoration
- 911.3.T73 Training
- 911.3.V34 Valuation and appraisal
- 911.3.V62 Vocational guidance
- Wine lists see TX911.3.M45
- 911.5 Study and teaching

- Hospitality industry. Hotels, clubs, restaurants, etc. Food service -- Continued
- 912
(913-917) Furnishings, equipment, etc.
Law and legislation. Inspectors' reports
see class K
- 921 Stewards' manuals. Caterers' manuals. Kitchen control
925 Dining room service. Table service. Wine service
Including manuals for waiters, waitresses, bussing attendants,
etc.
- 926 Bellmen, doormen, elevator operators
927 Butlers
928 Housekeeping, maintenance, repair
930 Social executives, hostesses, etc.
(931) General special
see TX911.2
- 941.A-Z Special hotels and hotel chains. By name, A-Z
Food service
Including room service
For food service in the transportation industry see
TA1227
For special topics see TX911.3.A+
- 943 General works
Restaurants, cafeterias, tearooms, etc.
For directories and guidebooks see TX907+
Cf. HE7581.5 Cybercafes
Cf. TP635 Soda fountains
- 945 General works
945.2 School lunchrooms, cafeterias, etc.
945.3 Fast food restaurants
945.4 Ethnic restaurants
Including individual types, e.g. Chinese restaurants
- 945.5.A-Z Special restaurants. By name, A-Z
946 Mass feeding, communal kitchens, canteens, etc.
Industrial feeding. Factory canteens
946.5.A1 Periodicals. Collections. Congresses
946.5.A3-Z General works
- Taverns, barrooms, saloons
950 Periodicals, societies, etc.
Biography of bartenders, saloonkeepers, etc.
950.5.A1 Collective
950.5.A2-Z Individual, A-Z
950.53 Directories
History
950.54 General works
By region or country
United States
950.56 General works

- Taverns, barrooms, saloons
 - History
 - By region or country
 - United States -- Continued
 - 950.57.A-Z By region or state, A-Z
 - 950.59.A-Z Other regions or countries, A-Z
 - 950.7 General works
 - 951 Bartenders' manuals and recipes
 - Cf. TX815+ Non-alcoholic beverages
 - Furnishings, equipment, etc. Housekeeping
 - 952 General works
 - 953 Bars and bar supplies
 - Building operation and housekeeping
 - 955 General works
 - Apartment houses
 - 957 General works
 - 958 Janitor service
 - Cf. TX339 Household janitor service
 - 959 Other services
 - Including elevator service
 - Housing developments
 - 960 Office buildings
 - 980 Public buildings
 - 985 Mobile home living
 - Cf. GV198.5+ Mobile home living
 - 1100 Periodicals, societies, etc.
 - 1105 General works
 - 1106 Juvenile works
 - By region or country
 - United States
 - 1107 General works
 - 1107.2.A-Z By region or state, A-Z
 - 1107.4.A-Z Other regions or countries, A-Z
 - 1110 Recreational vehicle living

History

- 15 General works
- 16 Ancient
- 17 Medieval
- 18 Modern
- 19 19th century
- 20 20th century

Special countries

Numbers that have been provided for "Cities or other special, A-Z," "Local or special, A-Z," or "Provinces or other special, A-Z" may be used for local subdivision, or for special entities such as canals, rivers, harbors, railroads, bridges, etc., as appropriate

America

- 21 General works
- North America
- 22 General works
- United States
- 23 General works
- 23.1 Eastern states. Atlantic coast
- 23.15 New England
- 23.2 Appalachian region
- 23.3 Great Lakes region
- 23.4 Midwest. Mississippi Valley
- 23.5 South. Gulf states
- 23.6 West
- 23.7 Northwest
- 23.8 Pacific coast
- 23.9 Southwest
- 24.A-W States, A-W
 - e.g.
 - 24.A4 Alaska
 - 24.H3 Hawaii
- 25.A-Z Cities or other special, A-Z
- Canada
- 26 General works
- 27.A-Z Provinces or other special, A-Z
- 27.5 Latin America
- Mexico
- 28 General works
- 29.A-Z Local or special, A-Z
- Central America
- 30 General works
- 31.A-Z Special countries, A-Z
- 31.5 Caribbean Area
- West Indies
- 32 General works
- 33.A-Z Special islands, A-Z

- Special countries
 America -- Continued
 South America
 34 General works
 Argentina
 36 General works
 37.A-Z Local or special, A-Z
 Bolivia
 38 General works
 39.A-Z Local or special, A-Z
 Brazil
 41 General works
 42.A-Z Local or special, A-Z
 Chile
 43 General works
 44.A-Z Local or special, A-Z
 Colombia
 45 General works
 46.A-Z Local or special, A-Z
 47 Ecuador
 48 Guyana
 49 Suriname
 50 French Guiana
 51 Paraguay
 52 Peru
 53 Uruguay
 54 Venezuela
 Europe
 55 General works
 Great Britain. England
 57 General works
 58.A-Z English counties or regions, A-Z
 Ireland
 59 General works
 59.2 Irish Free State. Ireland (Eire)
 59.3 Northern Ireland
 60.A-Z Special counties, A-Z
 Scotland
 61 General works
 62.A-Z Special counties, A-Z
 63 Wales
 64.A-Z Cities or other special, A-Z
 Austria
 65 General works
 65.2.A-Z Local or special, A-Z
 Czechoslovakia
 65.3 General works

Special countries

Europe

Czechoslovakia -- Continued

65.4.A-Z Local or special, A-Z

Hungary

65.5 General works

65.9.A-Z Special counties, A-Z

66.A-Z Cities or other special, A-Z

Belgium

67 General works

68.A-Z Local or special, A-Z

Denmark

69 General works

70.A-Z Local or special, A-Z

France

71 General works

72.A-Z Local or special, A-Z

72.5 Colonies (Collectively)

Germany

73 General works

73.1 East Germany. Eastern Germany

73.2 Baden-Württemberg

73.3 Bavaria

73.4 Hesse

73.5 Prussia

73.6 Saxony

73.7 North Rhine-Westphalia

73.9.A-Z Other states, A-Z

74.A-Z Cities or other special, A-Z

74.5 Colonies (Collectively)

Greece

75 General works

76.A-Z Local or special, A-Z

Netherlands

77 General works

78.A-Z Local or special, A-Z

Italy

79 General works

80.A-Z Local or special, A-Z

80.5

Malta

Norway

81 General works

82.A-Z Local or special, A-Z

Portugal, Azores, etc.

83 General works

84.A-Z Local or special, A-Z

84.5 Colonies (Collectively)

- Special countries
- Europe -- Continued
 - Russia in Europe
 - 85 General works
 - 86.A-Z Local or special, A-Z
 - Slovakia
 - 86.6 General works
 - 86.7.A-Z Local or special, A-Z
 - Spain
 - 87 General works
 - 88.A-Z Local or special, A-Z
 - Scandinavia
 - 88.5 Sweden
 - 89 General works
 - 90.A-Z Local or special, A-Z
 - Switzerland
 - 91 General works
 - 92.A-Z Local or special, A-Z
 - Other regions and countries, A-Z
 - 95.A2 Balkan Peninsula
 - 95.A38 Albania
 - 95.A44 Alps
 - 95.A48 Andorra
 - 95.B3 Baltic Sea
 - 95.B43 Belarus
 - 95.B45 Benelux countries
 - 95.B9 Bulgaria
 - 95.C37 Carpathian Mountains
 - 95.D35 Danube River
 - 95.F5 Finland
 - 95.I43 Iceland
 - 95.L285 Lapland
 - 95.L37 Latvia
 - 95.L78 Lithuania
 - 95.L9 Luxemburg
 - 95.M4 Mediterranean Region
 - 95.N67 North Sea
 - 95.P7 Poland
 - 95.P75 Pomerania (Poland and Germany)
 - 95.R48 Rhine River
 - 95.R6 Romania
 - 95.S55 Slovenia
 - 95.T48 Thrace
 - 95.U95 Ukraine
 - 95.Y8 Yugoslavia
- Asia
 - 99 General works

Special countries

Asia -- Continued

China

For Hong Kong see T1 113.H85

For Macau see T1 113.M2

101

General works

102.A-Z

Local or special, A-Z

Taiwan

102.5

General works

102.6.A-Z

Local or special, A-Z

South Asia

102.9

General works

India

103

General works

104.A-Z

Local or special, A-Z

Pakistan

104.5

General works

104.6.A-Z

Local or special, A-Z

Bangladesh

104.65

General works

104.66.A-Z

Local or special, A-Z

Sri Lanka. Ceylon

104.7

General works

104.8.A-Z

Local or special, A-Z

Japan

105

General works

106.A-Z

Local or special, A-Z

Korea

Including South Korea

106.5

General works

106.6.A-Z

Local or special, A-Z

North Korea

106.7

General works

106.8.A-Z

Local or special, A-Z

Iran. Persia

107

General works

108.A-Z

Local or special, A-Z

Russia in Asia. Siberia

109

General works

110.A-Z

Local or special, A-Z

Turkey. Asia Minor

111

General works

112.A-Z

Local or special, A-Z

113.A-Z

Other divisions of Asia, A-Z

113.A3

Afghanistan

113.B47

Bhutan

113.B54

Borneo

Special countries

Asia

Other divisions of Asia -- Continued

- 113.B7 Brunei
- 113.B8 Burma. Myanmar
- 113.C16 Cambodia
- 113.C35 Central Asia
- 113.C9 Cyprus
- 113.G39 Gaza Strip
- 113.H54 Himalaya Mountains
- 113.H85 Hong Kong
- 113.I55 Indonesia
- 113.I7 Iraq
- 113.I75 Israel
- 113.J6 Jordan
- 113.K38 Kazakhstan
- 113.K85 Kuwait
- 113.L28 Laos
- 113.L4 Lebanon
- 113.M2 Macau
- 113.M318 Malaya
- 113.M32 Malaysia
- 113.M45 Mekong River Valley
- Myanmar see T1 113.B8
- 113.N4 Nepal
- 113.P6 Philippines
- 113.Q36 Qatar
- 113.S33 Saudi Arabia
- 113.S53 Singapore
- 113.S6 Southeast Asia
- 113.S94 Syria
- 113.T48 Thailand
- 113.U54 United Arab Emirates
- 113.V5 Vietnam
- 113.W48 West Bank
- 113.Y45 Yemen
- 113.5 Middle East. Near East
- 114 Arab countries
- 114.5 Islamic countries
- Africa
- 115 General works
- Egypt
- 117 General works
- 118.A-Z Local or special, A-Z
- 119.A-Z Other divisions of Africa, A-Z
- 119.A4 Algeria
- 119.A5 Angola

Special countries

Africa

Other divisions of Africa, A-Z -- Continued

| | |
|---------|---|
| 119.B57 | Botswana |
| | Burkina Faso see T1 119.U66 |
| 119.B85 | Burundi |
| 119.C17 | Cameroon |
| 119.C42 | Central Africa |
| 119.C43 | Central African Republic |
| 119.C75 | Congo (Brazzaville) |
| | Congo (Democratic Republic) see T1 119.Z3 |
| | Côte d'Ivoire see T1 119.I9 |
| 119.D3 | Dahomey |
| 119.D55 | Djibouti |
| 119.E18 | East Africa |
| 119.E19 | Eastern Africa |
| 119.E8 | Ethiopia |
| 119.F82 | French-speaking Equatorial Africa |
| 119.F83 | French-speaking West Africa |
| 119.G23 | Gabon |
| 119.G45 | Ghana |
| 119.G92 | Guinea |
| 119.G94 | Guinea-Bissau |
| 119.I9 | Ivory Coast. Côte d'Ivoire |
| 119.K4 | Kenya |
| 119.L45 | Lesotho |
| 119.L49 | Liberia |
| 119.L74 | Libya |
| 119.M28 | Madagascar |
| 119.M3 | Malawi |
| 119.M34 | Mali |
| 119.M39 | Mauritania |
| 119.M6 | Morocco |
| 119.M85 | Mozambique |
| | Namibia see T1 119.S68 |
| 119.N53 | Niger |
| 119.N54 | Nigeria |
| 119.N6 | Nile River Valley |
| 119.R45 | Rhodesia, Southern. Zimbabwe |
| 119.R9 | Rwanda |
| 119.S18 | Sahel |
| 119.S38 | Senegal |
| 119.S5 | Sierra Leone |
| 119.S59 | Somalia |
| 119.S6 | South Africa |
| 119.S64 | Southern Africa |
| 119.S68 | Southwest Africa. Namibia |

Special countries

Africa

Other divisions of Africa, A-Z -- Continued

- 119.S73 Sub-Saharan Africa
- 119.S74 Sudan
- 119.S87 Swaziland
- 119.T35 Tanzania
- 119.T64 Togo
- 119.T8 Tunisia
- 119.U4 Uganda
- 119.U66 Upper Volta
- 119.W48 West Africa
- 119.Z3 Zaire. Congo (Democratic Republic)
- 119.Z34 Zambia
- Zimbabwe see T1 119.R45

Indian Ocean islands

- 120 General works
- 120.5.A-Z Special islands, A-Z
- 120.5.M38 Mauritius
- 120.5.M39 Mayotte
- 120.5.R48 Réunion

Australasia

- 120.7 General works
- Australia
- 121 General works
- 122.A-Z Local or special, A-Z
- New Zealand
- 122.5 General works
- 122.6.A-Z Local or special, A-Z
- 122.7 Papua New Guinea

Pacific Islands

- 123 General works
- 124.A-Z By island, A-Z

Arctic regions

- 125 General works
- 125.5 Greenland

Antarctica

- 126
- 126.5 Tropics

- 127 Developing countries

Numbers that have been provided for "Cities or other special, A-Z," "Local or special, A-Z," or "Provinces or other special, A-Z" may be used for local subdivision, or for special entities such as canals, rivers, harbors, railroads, bridges, etc., as appropriate

| | |
|--------|---------------------------------|
| | America |
| 21 | General works |
| | North America |
| 22 | General works |
| | United States |
| 23 | General works |
| 23.1 | Eastern states. Atlantic coast |
| 23.15 | New England |
| 23.2 | Appalachian region |
| 23.3 | Great Lakes region |
| 23.4 | Midwest. Mississippi Valley |
| 23.5 | South. Gulf states |
| 23.6 | West |
| 23.7 | Northwest |
| 23.8 | Pacific coast |
| 23.9 | Southwest |
| 24.A-W | States, A-W |
| | e.g. |
| 24.A4 | Alaska |
| 24.H3 | Hawaii |
| 25.A-Z | Cities or other special, A-Z |
| | Canada |
| 26 | General works |
| 27.A-Z | Provinces or other special, A-Z |
| 27.5 | Latin America |
| | Mexico |
| 28 | General works |
| 29.A-Z | Local or special, A-Z |
| | Central America |
| 30 | General works |
| 31.A-Z | Special countries, A-Z |
| | West Indies |
| 32 | General works |
| 33.A-Z | Special islands, A-Z |
| | South America |
| 34 | General works |
| | Argentina |
| 36 | General works |
| 37.A-Z | Local or special, A-Z |
| | Bolivia |
| 38 | General works |
| 39.A-Z | Local or special, A-Z |
| | Brazil |

- America
 - South America
 - Brazil -- Continued
 - 41 General works
 - 42.A-Z Local or special, A-Z
 - Chile
 - 43 General works
 - 44.A-Z Local or special, A-Z
 - Colombia
 - 45 General works
 - 46.A-Z Local or special, A-Z
 - Ecuador
 - 47
 - Guyana
 - 48
 - Suriname
 - 49
 - French Guiana
 - 50
 - Paraguay
 - 51
 - Peru
 - 52
 - Uruguay
 - 53
 - Venezuela
 - 54
 - Europe
 - 55 General works
 - Great Britain. England
 - 57 General works
 - 58.A-Z English counties or regions, A-Z
 - Ireland
 - 59 General works
 - 59.2 Irish Free State. Ireland (Eire)
 - 59.3 Northern Ireland
 - 60.A-Z Special counties, A-Z
 - Scotland
 - 61 General works
 - 62.A-Z Special counties, A-Z
 - Wales
 - 63
 - 64.A-Z Cities or other special, A-Z
 - Austria
 - 65 General works
 - 65.2.A-Z Local or special, A-Z
 - Czechoslovakia. Czech Republic
 - 65.3 General works
 - 65.4.A-Z Local or special, A-Z
 - Hungary
 - 65.5 General works
 - 65.9.A-Z Special counties, A-Z
 - 66.A-Z Cities or other special, A-Z
 - Belgium
 - 67 General works
 - 68.A-Z Local or special, A-Z

Europe -- Continued

| | |
|----------|-------------------------------|
| | Denmark |
| 69 | General works |
| 70.A-Z | Local or special, A-Z |
| | France |
| 71 | General works |
| 72.A-Z | Local or special, A-Z |
| 72.5 | Colonies (Collectively) |
| | Germany |
| 73 | General works |
| 73.1 | East Germany. Eastern Germany |
| 73.2 | Baden-Württemberg |
| 73.3 | Bavaria |
| 73.4 | Hesse |
| 73.5 | Prussia |
| 73.6 | Saxony |
| 73.7 | North Rhine-Westphalia |
| 73.9.A-Z | Other states, A-Z |
| 74.A-Z | Cities or other special, A-Z |
| 74.5 | Colonies (Collectively) |
| | Greece |
| 75 | General works |
| 76.A-Z | Local or special, A-Z |
| | Netherlands |
| 77 | General works |
| 78.A-Z | Local or special, A-Z |
| | Italy |
| 79 | General works |
| 80.A-Z | Local or special, A-Z |
| 80.5 | |
| | Malta |
| | Norway |
| 81 | General works |
| 82.A-Z | Local or special, A-Z |
| | Portugal, Azores, etc. |
| 83 | General works |
| 84.A-Z | Local or special, A-Z |
| 84.5 | Colonies (Collectively) |
| | Russia in Europe |
| 85 | General works |
| 86.A-Z | Local or special, A-Z |
| | Slovakia |
| 86.6 | General |
| 86.7.A-Z | Local or special, A-Z |
| | Spain |
| 87 | General works |
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- 65.2.A-Z Local or special, A-Z
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| 121 | General works |
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| | |
|-----------|--|
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| | Guidebooks |
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| .A2A-.A2Z | Others, A-Z |
| | Histories and descriptions |
| .B1 | General works |
| .B2 | General special |
| .C1 | Collections of pictures, views, etc. |
| | Official publications |
| | Acts of incorporation, rules, organization, etc. |
| .D1 | General works |
| .D13 | Translations of acts |
| | Rules, regulations, etc. |
| .D15 | General works |
| .D17 | Translations of rules, regulations, etc. |
| .D2 | General reports, proceedings, etc., of governing board |
| .D25 | Reports of national (government) commission |
| .D3 | General reports of special boards, commissions, etc. |
| .D4 | Congressional hearings and reports of national government on appropriations, etc. By date |
| .D5 | Special reports. By date |
| | General catalogs |
| .D6 | Official. By date |
| .D7 | Nonofficial |
| | Subarranged by author |
| .D8 | Reports and awards of jurors |
| .D9 | Miscellaneous printed matter |
| .E1 | Official comprehensive reports on the exhibits by editorial commissions, etc. By date |
| .E1A-.E1Z | General official reports of other countries on exhibitions For their own exhibits see T2 .G1 |
| | Exhibits of the country in which the exhibition is held |
| .F1 | Collective |
| | Class here general only; special with subject |
| .F2 | Government exhibit |
| .F3 | State exhibits, etc. |
| .G1 | Exhibits of other countries |
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| .H1 | Parts of the exposition |
| | Works on various exhibits which cannot well be classified with any one subject, e. g. a work on an educational exhibit goes in class L, Education, subdivision Exhibits, but a work on Machinery hall is classed here |

T2

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.K1

Exhibits arranged by names of exhibitors

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.N1

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| | |
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| | General works, histories, etc. |
| .xA2-.xA5 | Official works |
| .xA6-.xZ | By author, A-Z |
| .x1 | Regular reports of the fire department or fire commissioner, chief engineer, superintendent, fire marshal, etc. |
| .x2 | Special bureau reports. Fire patrol bureau reports |
| .x3 | Special reports and petitions. By date |
| .x4 | Reports of commissions, committees, investigations. By date |
| | Laws, ordinances, regulations |
| | see KFA+ |
| .x6 | Manuals and lists of alarm stations or boxes |
| .x65 | Examinations. Admission to fire service (Civil service, etc.) |
| .x68 | Pensions, relief, etc. |
| | Fire companies. Conventions, etc. |
| .x7 | General works |
| .x71 | Paid companies. History, etc. |
| .x74 | Volunteer companies. Constitution, by-laws, history, etc. |
| .x77 | Veteran associations |
| .x8 | Local fire equipment. Engines, enginehouses, etc. |
| .x9 | Various unofficial publications |

| | |
|-----------|---|
| | General works, histories, etc. |
| .xA2-.xA5 | Official works |
| .xA6-.xZ | By author, A-Z |
| .x01 | Regular reports of the fire department or fire commissioner, chief engineer, superintendent, fire marshal, etc. |
| .x02 | Special bureau reports. Fire patrol bureau reports |
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| .B2 | Specifications |
| .C2 | Lists other than regular periodicals |
| .D7 | Indexes to patents |
| .F4 | Classification |
| .H3 | Annual reports (Patent Office) |
| .J4 | Special reports (Patent Office) |
| .P2 | General works (Patent Office) |
| .U3 | Designs and models |
| .V1 | Periodicals (Trademarks) |
| .V2 | General works (Trademarks) |
| .V3 | Registers. Lists (Trademarks) Including lists of trademarks for special products and industries |

T6

TABLE FOR HISTORY OF PATENTS (CUTTER
NUMBER COUNTRIES)

T6

| | |
|----|--|
| A2 | Periodicals |
| B2 | Specifications |
| C2 | Lists other than regular periodicals |
| D7 | Indexes to patents |
| F4 | Classification |
| H3 | Annual reports (Patent Office) |
| J4 | Special reports (Patent Office) |
| P2 | General works (Patent Office) |
| U3 | Designs and models |
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| V2 | General works (Trademarks) |
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Accident prevention

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