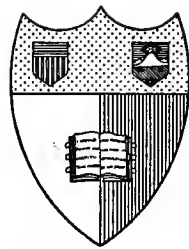


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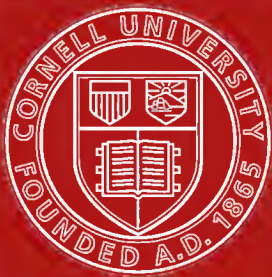
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TECHNOLOGY

R·5 Dictionaries. Encyclopedias

R·7 Periodicals

R·8 Societies

R General works

With the local list for works on the history and national condition in any locality

RA Exhibitions

With the local list, and subdivided by the Bischoe date letters, e. g: RA39P.M.
Paris Exhibition, 1867

RAI Inventions

RAM Materials used in the arts

RAR Receipts

RAT Trademarks

RB Patents

With the local list, e. g: RB83 U. S. Patents RB837 Patent Office Gazette

Rc Metric Arts. Measurement

RCA Length or distance

or in GHD

RCAC Standards

RCAM Meter. Metric system

RRAY Yard

RCB Appliances

RCBA Micrometer

RCBB Vernier

RCBC Caliper. Divider

RCBD Scale

RCBE Tapes. Chains. Lines

RCBF Special measures

As wire gauges, screw gauges, spherometer

RCC Angle measurement

RCCC Square. T square

RCCF Protractor

RCCG Bevel

RCCJ Jackstaff

RCCL Quadrant. Sextant. Septant. Octant

RCCN Compass. Theodolite

RCCP Transit

RCCS Dipping needle

RCCU Range finder

RCD	Surface measurement
RCDA	Standards and systems
RCDF	Apparatus. Planimeter
RCE	Volume measurement
RCEA	Standards
RCEG	Gauging
RCF	Mass measurement
RCFA	Standards. Weights
RCFB	Lever balances. Scales
RCFS	Spring balances
RCFT	Torsion balance
RCG	Specific gravity measurement
RCH	Wave measurement
RCI	Heat measurement
RCIC	Calorimetry
RCIP	Pyrometry
RCIT	Thermometry
RCIW	Radiant heat measurement
RCJ	Light measurement. Photometry
RCJA	Standards. Candle power
RCK	Color measurement
RCL	Sound measurement
RCM	Moisture measurement. Hygrometry
RCN	Pressure measurement
RCNB	Barometry
RCNG	Gas pressure
RCNS	Steam pressure
RCC	Flow measurement
RCOA	Anemometry
RCOG	Gas meters
RCOL	Liquids
RCOV	Viscosity
RCP	Speed measurement
RCPR	Rotation measurement
RCQ	Time measurement
RCQB	Hour glass. Clepsydra
RCQD	Sundial
RCQF	Clocks. Watches
RCQH	Chronograph
RCQK	Time recorders. Time clock
RCR	Friction measurement
RCS	Elasticity measurement
RCT	Electric measurement
	<i>Much better in T</i>

R_D MINING

Mining law may be here, with the local list, or in K_O.
The U. S. mining law may be put here, by substituting
R_{CA} for K_O, *as* R_{CAA} Law of obtaining, retaining, and
vacating a mine.

R _{DB}	Prospecting
R _{DBD}	Divining rod
R _{DC}	Surveying
R _{DD}	Plant, Machinery
R _{DE}	Working, exploitation, management
R _{DF}	Excavation. Open working <i>Compare S_{DF}</i>
R _{DG}	Panning. Cradling
R _{DH}	Hydraulic mining. Sluicing
R _{DI}	Debris
R _{DJ}	Quarrying
R _{DK}	Drilling and blasting
R _{DL}	Deep boring.
R _{DM}	Shaft sinking
R _{DN}	Special processes (such as Tunneling, Drifting, Timbering, Stripping, etc.)
R _{DO}	Safety arrangements. Hygiene
R _{DP}	Drainage
R _{DQ}	Ventilation
R _{DR}	Lighting
R _{DS}	Dangers and accidents
R _{DSC}	Caving. Fall of ground
R _{DSE}	Explosions
R _{DSF}	Fire
R _{D_{SW}}	Flooding
R _{DT}	Extraction. Hoisting. Transportation. Mining railways <i>See S_{XM}</i>
R _{DU}	Preparation for market
R _{DV}	Breaking
R _{DW}	Hand dressing
R _{DX}	Screening
R _{DY}	Employees
R _{DZ}	Economics. Cost

RE METALLURGY

- REC Metallurgical chemistry
Better in Lo
- RED Mechanical preparation
- REE Crushing. Stamping
- REF Concentration
- REG Chemical preparation
- REH Amalgamation
- REI Cyanide process
- REJ Flux
- REK Fuels
- REL Furnace and handling apparatus
- REM Furnace linings
- RER Electro-metallurgy
- RES Alloys

RF Mineral resources, mines and mining by countries

With the local list

- As* RF45 English mines
RF45 A-Z Single English mines
RF934 Mineral resources of Colorado

Single American mines may be arranged in one Alphabet, by their names RF83 A-Z, or may be grouped by States, with either local or name arrangement. Either arrangement will have its difficulties.

RFA-RFZ Single metal and mineral deposits, and their mining and metallurgy

Arranged alphabetically by their English names *As*:

- RFCO Coal
RFCOP Copper
RFG Gold
RFGR Graphite
RFS A Salt
RFSU Sulphur
RFPE Petroleum

RFI Iron mining and metallurgy

- Mineralogy *See* MD
Mining operations *See* RC

	Manufacturing	<i>See</i> Tj
	Transportation	<i>See</i> SNG
	Ore vessels	<i>See</i> SOJ
RFIA	Cast iron.	Pig iron
RFIB	Fuel.	Coke
RFIC	Lime.	Fluxes
RFID	Furnace	
RFIE		Linings
RFIF		Blast apparatus. Tuyeres
RFIG		Heating blast
RFIH	Casting	
		<i>Compare</i> T1c
RFIHM	Casting machines	
RFII	Wrought iron	
RFIJ	Calcination	
RFIK	Puddling	
RFIKF		Furnace
RFIKR		Rotary
RFIL	Hammering	
RFIM	Rolling	
		<i>Compare</i> T1JD
RFIN	Steel	
RFIO	Cementation	
RFIP	Crucible	
RFIQ	Bessemer	
RFIR	Converter	
RFIS		Blowing apparatus
RFISP		Spiegeleisen
RFIT	Basic process	
RFIU	Open hearth	
RFIUR		Regenerative
RFIV	Forging, cogging	
		<i>Compare</i> T1JD
RFIW	Whitworth process	
RFIX	Compound steels	
RFIXB		Manganese steel
RFIXD		Nickel steel
RFIXK		Chrome steel
RFIXT		Tungsten steel
RFIY	Harvey process, and similar processes	
RFIZ	Employees.	Cost

RG AGRICULTURE

With the local list for the history, description and statistics in any locality. Teaching is RGA

Architecture *See* WF

Roads *See* STA

- RG·2 Bibliography
Better in ZW
- RG·3 Biography
Better in E
- RG·4 History
- RG·5 Dictionaries. Encyclopedias
- RG·6 Compend. Handbooks. Tables
- RG·7 Periodicals
- RG·8 Societies
- RG·9 Collections

RG General works

RGA Education

With the local list for the reports of schools, and for agricultural education in any locality

Or in IYA

- RGAB General and public schools
- RGAC Secondary schools
- RGAD Colleges and universities
- RGAF Teachers' institutes
- RGAG Chautauquas
- RGAK Farmers' institutes
- RGAL Farmers' clubs

RGB Economics

- RGBA Management
- RGBE Laying out the farm
- RGBF Fields
- RGBG Farmsteads
- RGBH Rotation of crops
- RGBM Effect of good roads
Roads *See* STA
- RGBO Labor
- RGBP Apparatus. Machinery
- RGBS Buildings. Fences
- RGBU Finance. Accounts

RGC	Sociology. Rural life
RGD	Experimentation With the local list for reports of experiment stations
RGDA	Official experiment stations Their publications are in RGD
RGDE	History and organization
RGDK	Legislation
RGDO	Finances
RGDT	Equipment
RGDU	Apparatus. Machinery
RGDV	Buildings
RGDW	Farms
RGDX	Stock
RGE	Air and water
RGEA	Physics
RGEI	Chemistry
RGEO	Methods of investigation
RGF	Soils Irrigation <i>See</i> SLI Drainage <i>See</i> SME
RGFA	Origin
RGFE	Physics
RGFI	Chemistry
RGFJ	Analysis, methods and results
RGFK	Inorganic constituents
RGFL	Organic constituents
RGFO	Tillage
RGFU	Reclamation <i>Or</i> SM
RGFZ	Electroculture
RGG	Fertilizers
RGH	Mineral
RGHL	Lime
RGHM	Marl
RGHP	Plaster
RGI	Potash
RGIA	Ashes
RGIC	Chlorides
RGIS	Sulphates

RGJ	Phosphoric
RGJB	Ground bone
RGJP	Slags
RGJR	Rock
RGJS	Soluble phosphates
RGK	Nitrogenous
RGKA	Ammonia
RGKN	Nitrates
RGKO	Organic
RGKP	Blood
RGKR	Fish
RGKT	Tankage
RGKV	Vegetables
RGL	Compound fertilizers
RGM	Farmyard manure
RGMA	Production
RGME	Preservation and storage
RGMI	Composition
RGMO	Application
RGMU	Valuation
RGN	Manures
RGNG	Green manures
RGNL	Leaves
RGNM	Muck
RGNS	Seaweed
RG0	Inspection and legislation
RGX	Experimentation
RH	Plants
RHA	History and uses
RHB	Botany
	For agricultural botany only
RHC	Composition and value
RHD	Propagation
RHDA	Choice of soil
RHDB	Preparation of soil
RHDC	Germination
RHDD	Planting
RHDE	Transplanting
RHDF	Crossing
RADG	Budding
RHDH	Grafting

RHDI	Layering
RHDK	Cultivation
RHDL	Manuring
	Fertilizers <i>See</i> RGG
RHDM	Training
RHDN	Pruning
RHDO	Protection
RHDP	Forcing
RHDQ	Harvesting
RHDR	Curing
RHDS	Storage
RHDT	Silos
RH DU	Packing
RADV	Shipment
RHDW	Marketing
RHE	Enemies
	<i>Better in</i> RHT
RHF	Cost, yield, profit
RHG	Manufactured products
	<i>Better in</i> T
RHH	Field crops
RHI	Cereals
	<i>Arranged alphabetically, as:</i> RHIB Barley ; RHIM Maize ; RHIW Wheat
RHJ	Forage crops
RHK	Grasses
	<i>Arranged alphabetically, as:</i> RHKF Fescues ; RHKT Timothy
RHL	Legumes
	<i>Arranged alphabetically, as:</i> RHLC Clovers ; RHLS Soja Beans
RHM	Root Crops
	<i>Arranged alphabetically, as:</i> RHMB Beets ; RHMP Potatoes
RHN	Sugar plants
	<i>Arranged alphabetically, as:</i> RHNC Cane ; RHNP Palm
RHO	Alkaloidal plants
	<i>Arranged Alphabetically, as:</i> RGOC Coffee ; RGOT Tea
RHS	Starch plants

- RHT Fibre crops
Arrange alphabetically, as: RHTC Cotton ;
 RHTH Hemp
- RHU Tannin plants
Arrange alphabetically, as: RHUC Canaigre ;
 RHUO Oak

RI Horticulture, gardening

For processes, *see* RH to RHDW

RIA Vegetables

- RIB Roots edible
Arrange alphabetically, as: RHBC Carrots ;
 RRBCH Chicory ; RHBS Salsify ; RHBSW Sweet
 potatoes
- RIC Stems edible
Arrange alphabetically, as: RHCL Leek ;
 RHCP Potato
- RID Leaves edible
Arrange alphabetically, as: RIDC Cabbage ;
 RIDS Spinach
- RIE Flowers edible
Arrange alphabetically, as: RIEA Artichoke ;
 RIEC Cauliflower
- RIF Fruits edible
Arrange alphabetically, as: RIFC Cucumber ;
 RIFT Tomato
- RIG Seeds edible
Arrange alphabetically, as: RIGB Beans ;
 RIGL Lentils
- RIH Mushrooms and truffles

RII Fruit culture, pomology

- RIJ Pomaceous fruit
Arrange alphabetically, as: RIJA Apple ; RIJQ Quince
- RIK Drupaceous fruit
Arrange alphabetically, as: RIKC Cherry ;
 RIKPE Persimmon
- RIL Citrus and other fruits
Arrange alphabetically, as: RILF Fig ; RILO Orange
- RIM Small fruits. Berries
Arrange alphabetically, as: RIMC Cranberry ;
 RIMM Mulberry

RIN	Nuts	<i>Arrange alphabetically, as .</i> RINC Chestnut ; RINP Peanut
RIO	Grapes. Viticulture	
RIOR	Raisins	
RIP	Seeds	
RIPA	Anatomy and physiology	<i>Or in N</i>
RIPE	Identification	
RIP1	Preservation	
RIPO	Testing and seed control	
RIPU	Selection	
RIPY	Distribution	
RIR	Weeds	
RIRA	History and geographical distribution	
RIRB	Botany	<i>Or in N</i>
RIRD	Distribution	
RIRE	Wind	
RIRG	Burrs	
RIRI	Impure seeds	
RIRL	Birds	
RIRO	Commerce	
RIRR	Remedies	
RIRS	Cultural	
RIRT	Legislation	
RIS	Floriculture	
RISA	Hothouses, greenhouses	
RISB	Wardian case	
RISC	Window gardens	
RISE	Beds	
RISG	Foliage plants	
RISK	Ferns	
RISL	Shrubs	
RISM	Vines	
RISP	Lawns	
RIT	Plant pathology	
RITA	Parasitic	
RITE	Vegetable parasitic	
RITI	Animal parasitic. Insects	

R1TN	Non-parasitic
R1TR	Remedies
R1TS	Cultivation
R1TT	Chemical. Fungicides. Insecticides
R1TV	Composition
R1TW	Apparatus and application
R1TY	Experimentation
RITZ	Beneficial insects

RJ Forestry

With the local list for the history and statistics of forests. The history of single forests to be arranged alphabetically under the countries

RJB	Botany Description of trees may be here, <i>or in N</i>
RJB	Anatomy and physiology Of trees and of wood
RJD	Diseases <i>Divide as RIT</i>
RJE	Culture. Propagation
RJF	Air and water
RJG	Soils
RJH	Fertilizers
RJI	Planting. Transplanting
RJJ	Acclimation
RJK	Protection
RJL	Fire
RJM	Theft
RJN	Animals and insects
RJO	Use
RJP	Cutting
RJR	Fuel
RJS	In the arts <i>Compare T</i>
RJT	Cost. Yield. Profit
RJU	State control. Legislation
RJV	Employees. Education
RJW	Effect on climate and water supply
RJX	Single trees <i>Arranged alphabetically</i>

RK Animaliculture. Domestic animals

RKA	History
RKAB	Breeds and breeding
RKAC	Feeding
RKAD	Care
RKAE	Training. Education
RKAF	Diseases. Parasites
RKAG	Anatomy and physiology <i>Or in Q</i>
RKAH	Cost. Yield. Profit
RKAI	Judging and testing
RKB	Cattle <i>Divide as RKAB to RKAH</i>
RKB'7	Pedigree records
RKC	Beef cattle
RKD	Dairy cattle
RKE	Draft cattle
RKF	Horses <i>Divide as RKAB to RKAH</i>
RKF'7	Pedigree records
RKG	Trotting and pacing
RKH	Running
RKI	Draft
RKIC	Coach
RKJ	Saddle
RKK	Ponies
RKM	Mules
RKN	Asses
RKO	Camels. Elephants
RKP	Other draft animals
RKQ	Sheep and goats
RKQ'7	Flock books
RKR	Swine
RKR'7	Pedigree records
RKS	Rabbits and hares
RKT	Pets
RKTC	Cats
RKTD	Dogs
RKTF	Ferrets

Insert others alphabetically

RKU Aviculture

- RKV Poultry
- RKVD Ducks
- RKVG Geese
- RKVH Chickens
- RKVI Capons
- RKVO Ostriches
- RKVP Pigeons
- RKVS Squabs
- RKVT Turkeys
- RKZ Aquatic animals

RKW Fish culture

- Fishing *See* VF With the local list
- RKWE Shellfish
 - Includes* Snails
- RKWF Frogs
- RKWT Terrapin and turtles

RKX Insecticulture

- RKXC Cochineal
- RKXS Silkworm
- RKY Bees. Apiculture

RKZ Products

Some may desire to place these here. They are much better in T

- RL Plant products
- RLD Dyes and tanning
- RLF Fats and oils
- RLL Liquors. Beverages
- RLM Milling
- RLP Paper
- RLS Soap
- RLST Starch and sugar
- RLT Textiles
- RM Animal products
- RMF Fats (other than butter)
- RMG Glue and gelatine
- RML Leather
- RMT Textiles

RN Dairying

Although a manufacturing process, and as such, logically placed in T, a place is made here because of the close connection with agriculture

RNA	Milk
RNAA	Composition and properties
RNAC	Bacteriology
RNAE	Analysis. Testing
RNAG	Handling. Storage
RNAK	Marketing
RNAF	Inspection. Legislation
RNB	Manufacture
RNC	Cream
	<i>Divide as RNAA to RNAF</i>
RND	Separation
RNDM	Separators
RNE	Butter
	<i>Divide as RNAA to RNAF</i>
RNF	Churning
RNG	Working
RNH	Salting
RNI	Coloring
RNJ	Packing
RNK	Buttermilk
RNL	Cheese
	<i>Divide as RNAA to RNAF</i>
RNM	Rennet
RNN	Curd
RNO	Cutting
RNP	Pressing
RNQ	Salting
RNR	Coloring
RNS	Packing
RNT	Filled cheese
RNZ	Whey

Ro Domestic Economy. Housekeeping

- Ro·1 Teaching
Ro·5 Dictionaries. Encyclopaedias
Ro·7 Periodicals
Ro·8 Societies
Ro General works
With the local list for history of the household in various countries and periods
ROA Accounts. Finance. Cost. Economy
With the local list for household books, as ROA45.Sw6 Roll of household expenses by Bishop Swinfield. If ROA is not used these go in Ro

- ROE Entertaining
ROK Laws relating to housekeepers

RP House. Domestic architecture

Better in Architecture WIM Building is SE

- RPB Choice of house
RPF Flat *versus* house
RPT Tenements
RQ Co-operative housekeeping
RR Collective housekeeping
RRH Hotels. Boarding houses
RRR Restaurants. Eating houses
Charitable soup kitchens and coffee houses in the charitable aspect go in I
RRS Institutions
RRZ Camps, military and other
Camps better in U. Camping-out in V
Rs Servants
RSE Engagement. Intelligence offices
RSH Hours. Wages
RT Care of the house
RTC House cleaning
RTP Pests
RTS Clothes. Cleaning. Washing
Includes outside laundry

RU Food

- RU1 Cooking schools
 Better than in Izc
- RU5 Dictionaries of food and cookery
- RU7 Periodicals
- RU General works
 Better than in QRL
- RTA Supply
 With the local list *Better than in QSGI*
- Cultivation
 See RQ-RNZ
- RU Manufacture
 For home production only. *Compare RN, and T*
- RUN Adulteration and inspection
 Better in Public Hygiene QSGA
- RUO Preservation. Sterilizing
- RUP Canning. Tinning. Potting.
- RUQ Cold storage
- RUR Condensation
- RUS Curing: drying, jerking, smoking, salting, corning,
 pickling
- RUT Preserving in alcohol
- RUU Preserving in sugar
- RUV Market. Selling of food
- RUW Butchers. Fishmongers
 (Dealers in animal foods)
- RUX Fruit dealers. Greengrocers
- RUY Grocers
 (Milkmen are RNAK)

RV Preparation of food. Cookery

With the local list for cookery in foreign countries

- RVA Cooking utensils
 Special marks may be given to single utensils, as:
 RVAA Aladdin oven
 RVAC Chafing dish
- RVB Baking
- RVc Bread, biscuit, crackers
- RVD Cake, pastry

- RVE Confectionery. Ices
 RVF Boiling. Stewing. Braising
 RVG Roasting. Broiling. Frying
 RVK Dining room
 Architecture *See* W1M
 RVL Table dressing and decoration
 RVM Carving
 RVN Serving
 RVO Gastronomy
 RVR Menus
 RW Dietetics
 Foods for special purposes, as to make fat, to
 reduce fat, for children, for training (*better* in Vsr)
 RWT Therapeutic dietetics. Food and cooking for invalids
 In a medical library these subjects are better
 in QDO
 RWZ Dieting experiments. Fasting

RX Single foods and classes of foods

Arrange alphabetically. Here put supply, preparation, use, effect of single foods and beverages
 Note that Bread, Cake, Confectionery, Ices are RVC, RVD, RVE.

RY ELECTRIC ARTS

A place is provided here for such libraries as cling to the illogical treatment of works on applied electricity apart from the industries to which it is applied, or desire for practical reasons to keep electrical engineering separate. I do not recommend such a course.

Works on the theory of electricity belong in LJ. The division of RT in the sixth classification has necessarily been changed.

Only an outline is printed here. The right hand margin shows where the subjects may be found in R, S and T

Use the local list for the development of electrical industries in any country.

- RY4 History
 RY5 Dictionaries. Encyclopedias
 RY6 Tables. Electricians' handbooks
 RY7 Periodicals
 RY8 Societies
 RY9 Collections

RYA	Current generation	TE
RYB	Batteries	TEB
RYC	Thermo-electric	TEC
RYD	Dynamos	TED
RYE	Measurement	TFE
RYF	Transmission	TGE
RYG	Storage. Accumulators	TEV <i>or</i> TGT
RYH	Applications	
RYI	Motors	TGV
RYIR	Electric railways	SVL
RYJ	Lighting	TH
RYK	Heating	THF
RYL	Chemical use	THG
RYM	Metallurgy	RDR
RYN	Electro-plating	THP
RYO	Medical use	THT
RYP	Electrocution	THW
	<i>Compare IFCE and KFXH</i>	
RYQ	Electric communication	SNB
RYR	Telegraph	SNC
RYs	Wireless telegraph	SND
RYT	Telephone	SNE
RYU	Annunciators	SNBA
RYV	Lightning rods	SIWL
RYX	X-rays	THX
	And similar new discoveries	
RYY	Toys. Amateur work	THY
RYZ	Economics. Employees	TGS

RZ CHEMICAL TECHNOLOGY

There is even less excuse for making this subdivision than for RY, but some may wish to use it. It is much better in T.

Rz'4	History
Rz'5	Dictionaries. Encyclopedias
Rz'6	Tables. Handbooks

RZ7	Periodicals
RZ8	Societies
RZ9	Collections
RZA	Manufacture of elementary substances <i>But compare RFA-RFZ</i> Divide by chemical symbol as RZH Hydrogen
RZB	Manufacture of chemicals
RZC	Acids
RZD	Alkalies
RZE	Salts
RZF	Other inorganic chemicals
RZG	Organic preparations
RZH	Pharmaceutical preparations
RZI	Explosives <i>See also UMGF</i>
RZJ	Fuel
RZK	Foods
RZKB	Sugar
RZKD	Starch
RZL	Food preparation
RZM	Beverages
RZN	Oils, fats, waxes
RZO	Illuminating industries
RZP	Ceramic industries
RZQ	Bleaching. Dyeing. Scouring
RZR	Dyestuffs
RZS	Paints. Pigments. Inks
RZT	Essences. Perfumes
RZU	Gums. Resins
RZV	Soap. Glycerine. Candles
RZW	Adhesives. Glue. Gelatine
RZX	Fertilizers
RZY	Utilization of wastes

S Engineering

With the local list

- S·4 History
- S·5 Dictionaries and encyclopaedias
- S·6 Tables. Engineers' handbooks
- S·7 Periodicals
- S·8 Society publications
 - Including school publications
- S·9 Collections

SA SURVEYING

Or in GF

- SAA Instruments and methods

SAB PLANS. DRAUGHTING

SAC CONTRACTS. SPECIFICATIONS

SAD SUPERINTENDENCE

SAK LAW

Or in K

SAZ ECONOMICS. FINANCE. COST

SB MECHANICS OF ENGINEERING

- SBG Engineering graphics

SC MATERIALS OF ENGINEERING

Properties and strength, including Testing

- SCA Stone. Sand. Gravel
- SCB Brick. Tile. Terra cotta
- SCC Cement. Lime. Plaster
- SCD Mortar. Concrete. Artificial stone
- SC E Concrete beton
- SC F Glass
- SC G Timber

SCH	Paper. Cloth
SCM	Metals
SCN	Iron
SCO	Cast
SCP	Wrought
SCS	Steel
SCU	Copper
SCV	Lead, Tin
SCW	Alloys
SCY	Heat expansion and contraction
SCY	Testing machines

SD CONSTRUCTION

SDA	Surveys. Plans. Draughting
SDB	Contracts. Specifications
SDC	Superintendence
SDD	Law
SDE	Economics. Finance. Cost
SDF	Excavation
SDFA	Rock excavation
SDFD	Drilling
SDFE	Explosives
SDFF	Fuses. Firing. Blasting
SDFK	Earth excavation
SDFL	Hand tools
SDFM	Horse tools
SDFN	Machine excavation
SDFO	Continuous excavators
SDFP	Intermittent excavators
SDFQ	Hydraulic excavation
SDFS	Shafts
SDFT	Tunnels
	<i>See</i> SQD
	Transportation of materia l <i>See</i> SNG
SDG	Masonry
	Materials <i>See</i> SC
SDGB	Stone cutting
	Stereotomy in mathematics <i>See</i> LGFV
SDGC	Stone laying
SDGD	Brick laying. Tile setting. Terra cotta
SDGE	Mortar and cement mixing
SDGF	Concrete mixing

SDGH	Concrete molding
SDGM	Metal reinforcement
SDH	Foundations
SDHA	Grillage
SDHD	Piles
SDHE	Screw piles
SDHF	File drivers
SDI	Foundations in water
SDID	Dams
SDIF	Coffer dams
SDIK	Caissons
SDIP	Pneumatic piles
SDIS	Pneumatic caissons
SDJ	Walls
SDK	Lintels. Plate-bandes. Sills
SDL	Arches
	Arrange alphabetically, as Groined, SDLG; Warped, SDLW
SDM	Abutments
SDN	Buttresses
SDNF	Flying buttresses
SDO	Pointing
SDP	Stucco. Staff
SDQ	Framing
SDR	Wooden framed structures
SDS	Metal framed structures
SDT	Bridges and roofs
SDU	Bridges
SDUB	Piers
	Foundations See SDI
SDUC	Abutments
	Or SDM
SDUD	Approaches
SDV	Superstructure
SDVE	Wooden
SDW	Iron
SDWC	Cast
SDWW	Wrought
SDX	Steel
SDXB	Truss
SDXC	Cantilever
SDXS	Suspension
SDXT	Tubular

SDXY Aqueducts
 Or SUGA
SDXZ Movable bridges
SDY Roofs

SE BUILDING CONSTRUCTION

Construction in general is SD
Architecture *See* WA

SEA Building laws and regulations
 With the local list. *May be* KBF

SEB Contracts. Specifications

SEC Economics. Cost

SED Superintendence

SF Outside covering
 Foundation *See* SDH
 Masonry walls *See* SDJ

SFA Sheathing

SFD Paper

SFE Air spaces

SFH Weatherboarding

SFJ Shingle

SFL Plaster

SFM Metal sheathing

SFO Glass

SFX Protection against dampness

SH Openings
 Lintels, Sills *See* SDK

SHD Doors

SHS Shutters

SHT Metal shutters

SHW Windows

SHX Glazing

SI Interior construction

SIA Lathing

SIAM Metal lath

SIB Plastering

SIC Papering

SID Other wall covering

SIE	Floors
SIF	Wood parquetry
SIG	Stone, tile, cement, concrete, slate
SIH	Rubber
SIJ	Glass
SIK	Metal
SIL	Ceilings
SIM	Wood
SIN	Cloth. Paper
SIO	Metal
	Woodwork
	Doors <i>See</i> SHD
	Shutters <i>See</i> SHS
	Windows <i>See</i> SHW
SIOG	Scaffolds. Staging. Shoring
SIP	Stairs
SIQ	Painting. Kalsomining
SIR	Varnishing. Gilding. Polishing
SIS	Roof covering
SISB	Wooden. Shingles
SISD	Metal
SISB	Sheet iron. Roofing tin
SISF	Metal shingles
SISK	Copper
SISL	Lead
SISM	Roof painting
SISN	Roof gilding
SISO	Brick. Tile. Coucrete. Slate
SISR	Felt
SIST	Tar. Asphalt
SISV	Skylights
SISW	Thatch. Sod. Earth
SIT	Guttering. Spouting
SIU	Chimneys. Flues
SIV	Metal. Stacks
SIW	Wiring. Electric Fixtures
SIWL	Lightning rods
SIX	Gas fitting and fixtures
SIY	Fireproofing
SIZ	Fire escapes

SJ SANITARY ENGINEERING

With the local list

Compare QRS and QS

Water supply *See* SL

SJA HOUSE SANITATION

SJH Heating

Compare QRT

SJHA Hot air

SJHI Indirect

Ventilation is SJV

SJHS Steam

SJHW Hot water

SJHZ Electric

SJL Lighting

Compare QRU

SJLC Candles

SJLG Gas

SJLI Electric gas lighting

SJLO Oil

SJLR Electric lighting and fixtures

Fixtures better in SIW

SJM Natural lighting

SJN Prism glass

SJV Ventilation

Compare QRV

SJW Plumbing

Steam fitting is SIHS

Gas fitting is SIX

Water supply is SLM

Roof water collection is SLBB

Law of plumbing *See* KPT

Use the local list for plumbing regulations

SJWA Water fittings for domestic use

SJWB Piping, Joints

Compare SLGD

SJWC	Cocks, Faucets
SJWD	Carriage washing
SJWE	Lawn, garden, and road sprinkling Public sprinkling is SLJO
SJWF	Domestic use for power Water motors are TBB Water power plants are SLF Pipe organs are VZOR
SJWG	Filters <i>Better in SLFG</i>
SJWH	Laundry
SJWI	Hot water supply
SJWJ	Bath room fittings
SJWK	Bath <i>Compare QRC</i>
SJWL	Closets
SJWN	Urinals
SJWO	Sinks Disinfection <i>See QSQE</i>
SJX	Domestic sewerage and drainage <i>Compare QRS</i> Land drainage <i>See SME</i>
SJXB	Storm water disposal Roof collection <i>See SLBB</i> Cisterns <i>See SLDC</i>
SJY	Waste pipes
SJYC	Traps, seals, vents
SJYG	Grease traps
SJZ	Cesspools

SK PUBLIC SANITATION

With the local list
Public hygiene *See QS*
Public ownership *See JWO*
Water supply *See SL*

SKA	Air pollution
SKAG	Gases
SKAO	Odors
SKAS	Smoke

SKB	Public use of water <i>Or in SLJ</i>
SKBB	Baths
SKBD	Drinking fountains
SKBE	Fire
SKBF	Fountains
SKBK	Flushing
SKBL	Laundries
SKBS	Sprinkling
SKBU	Lavatories
SKC	Refuse disposal <i>With the local list</i>
SKCA	Ashes
SKCB	Waste paper, rags, glass, crockery, metallic refuse
SKCC	Miscellaneous organic refuse, bones, grease, soap grease
SKCD	Garbage <i>See QSC</i>
SKCE	Receptacles
SKCF	Collection and transportation
SKCG	Dumps
SKCH	Feeding animals <i>Better in RJAC</i>
SKCI	Reduction
SKCK	Reduction processes arranged alphabetically <i>As: Merz process, SKCKM</i>
SKCN	Night soil
SKBO	Excavation and removal
SKCP	Disinfection
SKCQ	Disposal
SKCR	Dead animals
SKCS	Abattoirs, Slaughter house and market refuse
SKCT	Manufactures refuse
SKCV	Street sweepings <i>Sweeping is STL</i>
SKCW	Snow and ice disposal
SKD	SEWERAGE
SKD	Dry sewerage systems
SKDE	Earth closets
SKDF	Pail systems

- SKF Pneumatic systems
 Arrange alphabetically *As*: Berlier, SKFB; Liernier, SKFL
- SKG Water carriage systems
- SKGC Combined
- SKGS Separate
- SKH Amount and composition of sewage
- SKI Flow in sewers
- SKK SEWERS**
- See also* Flow in pipes, SLGE
- SKL Location. Laying out systems
- SKLI Intercepting sewers
- SKM House connections
 Cesspools *See* SJZ
- SKO Sewer construction
 . Excavation *See* SDF
 Materials *See* SDF
 Masonry *See* SDG
 Foundations *See* SDH
 Pumping *See* SLB
- SKR Pipe laying
- SKS River crossing. Outlets
- SKT Cleaning
- SKTF Flushing. Flush tanks
- SKTM Manholes. Lampholes
- SKTV Ventilation
- SKU SEWAGE DISPOSAL**
- SKV Discharge into rivers
- SKW Irrigation
 With the local list. *See* SLI
- SKX Filtration
 Compare SLFG
- SKXE Electrical treatment
- SKY Chemical precipitation
- SKYA Alum process
- SKYI Iron process
- SKYS Sludge
- SKZ Sedimentation

SL Hydraulic Engineering, Water Supply

For all general works. With the local list. *See QSE*

- SLA Rainfall
 - With the local list. Better in Meteorology
- SLB Water collection
- SLBA Surface water
- SLBB Roof collection. Guttering. Spouting
- SLBC Rivers and lakes
- SLBE Seepage
- SLBG Wells
 - SLBI Shallow wells springs
 - SLBL Deep wells. Boring. Sinking
- SLBZ Water elevation
- SLC Pumps
 - Compare TDP*
 - SLCB Bucket lifts
 - SLCBB Bucket and windlass
 - SLCBC Chain pump
 - SLCBE Shadoof, well sweep
 - SLCBP Persian wheel
 - SLCBS Scoop wheel
 - SLCBT Tympanum
 - SLCD Displacement pumps
 - SLCE Chain piston
 - Compare SLCBC*
 - SLCF Pulsometer
 - SLCG Reciprocating
 - SLCH Rotary
 - SLCHS Screw
 - SLCI Impeller pumps
 - SLCJ Centrifugal
 - SLCK Jet
 - SLCL Air lift
 - SLCM Impulse pumps
 - SLCN Hydraulic ram

Or the following classification by power may be used :

- SLCO Hand power
- SLCP Animal power
- SLCQ Windmills
- SLCR Water power
- SLCS Steam

SLCT	Pumping Plants
SCLTF	Fire engines
	<i>See also SLIF</i>
SLCU	Gas engine power
SLCV	Hot air engine
SLCW	Compressed air
SLCX	Electric
SLCZ	Siphons
SLD	Water storage
SLDC	Cisterns
SLDS	Standpipes, tanks
SLE	Reservoirs
	With the local list
SLEB	Capacity
SLEC	Location
SLED	Preparation
SLEE	Lining
	Dams. Embankments <i>See SLEM</i>
SLEF	Covering
SLEG	Loss of water
SLEGE	Evaporation
SLEGS	Seepage
SLEH	Repairs
SLEI	Cleaning
SLEJ	Flood protection
SLEK	Law
	<i>Or in K</i>
SLEM	Dams
	SLEMC, Computation; SLEMF, Construction; SLEMR, Arched; SLEMS, Movable; SLEMX, Accidents
SLEN	Earthwork
SLENC	Cribwork
SLENG	Core dams
SLEO	Concrete
SLEP	Masonry
SLEQ	Timber
SLEK	Metallic
SLES	Metallic reinforcement
SLET	Outlet works
SLEV	Waste weirs
SLEW	Navigable pass gates
SLEX	Fish ways

SLF	Water purification Analysis is in Lo
SLFD	Sedimentation
SLFG	Filtration
SLFI	Sand filtration
SLFK	Filter bed construction
SLFM	Mechanical and chemical processes
SLFO	Aeration
SLFP	Protection from contamination
SLFQ	Factory waste
SLFR	Sawdust
SLFS	Sewage
SLFT	Organic growth
SLFV	Domestic filtration and purification
SLG	Conveyance and distribution
SLGA	Aqueducts
SLGC	Canals <i>Compare SR</i>
SLGD	Conduits and pipes
SLGE	Flow of water
SLGF	Meters
SLGG	Waste
SLGH	Laying
SLGI	Cleaning
SLGK	Corrosion
SLGM	Thawing
SLGO	Repairs
SLGV	Valves
SLGX	Nozzles, Hydrants
SLH	Water works management Municipal ownership <i>See Jwo</i>
SLI	Irrigation With the local list <i>Better than in RG</i>
SLJ	Public use
SLJB	Baths
SLJD	Drinking fountains
SLJE	Fire
SLJF	Fountains
SLJK	Flushing
SLJL	Laundries
SLJS	Sprinkling
SLJU	Lavatories (Urinals and closets)

SLM Domestic supply
SLP Water power
Better in TB
SM Reclamation of land
SMD Dikes, levees, sea walls
SME Drainage
SMF Pumping plants
Divide as SLC or better, put in SLC

SN Transportation and Communi- cation

With the local list

- SNA** **Transportation of Intelligence**
 Post office *See* SNO
 Messengers *See* SNP
- SNAA** Carrier pigeon service
- SNAB** Balloons, kites
- SNAC** **Signalling**
- SNAD** Mechanical (Semaphores)
- SNAE** Bell signals
- SNAF** Whistle signals
- SNAG** Flag signals
- SNAH** Light signals
- SNAI** Heliograph
- SNAJ** Photophone
- SNAK** Megaphone
- SNAL** Speaking tubes
- SNB** **Electric communication**
 House wiring *See* SIW
- SNBA** Bells, annunciators
- SNBB** Burglar alarms
- SNBC** Telesime
- SNBF** Fire alarm
- SNB** **Telegraph**
 Transmission lines *See* TG
 Batteries *See* TEB
 Government ownership *See* Jwo
 Law *See* KCVT
- SNCB** **Transmission**
- SNCK** Key transmission
- SNCM** Codes

SNCO Steno-telegraphy
 SNCP Automatic transmission
 SNCR Receiving
 SNCS Sounder
 SNCT Printing telegraph
 SNCU Dial telegraph
 Telesime *See* SNBC
 SNCW Relays
 SNCX Multiplex apparatus
 SNCY Economics. Finance
 SNCZ Employees
 SND Wireless telegraph
 SNDT Teleautograph
 SNDZ Simultaneous telegraphy and telephony

SNE Telephone

Current generation *See* TE
 Poles, wires, cables *See* TGE
 Testing *See* TFE
 Law of telephones *See* KCYU
 Government ownership *See* JWO

SNEA Transmitter
 SNEB Receiver
 SNEC Calling system
 SNED Hook switches
 SNEE Relays
 SNEF Switchboards
 SNEG Listening and ringing apparatus
 SNEH Drop signal
 SNEI Lamp signal
 SNEK Multiple
 SNEL Transfer system
 SNEM Central energy system
 SNEO Interior and house system
 SNEP Distributing boards
 SNEQ Party lines
 SNEQ Inductively loaded lines
 SNER Protection

SNET	Subsidiary apparatus (as cabinets, memorandum tablets, desk apparatus)
SNEU	Long distance
SNEV	Economics. Finance
SNEW	Employees
SNF	Graphophone. Phonograph
SNFT	Telegraphone
SNG	Transportation of matter
	Railroads <i>See</i> Sv
	Water transportation <i>See</i> Ss
	With the local list
SNH	Lifting machinery
SNHB	Belt elevators. Escalators
SNBD	Derricks. Cranes. Shears
SNHE	Elevators. Hoists
SNHJ	Jacks. Hydraulic jacks
SNI	Conveying machinery
SNIB	Belt conveyors
SNIP	Pneumatic conveyors
SNIW	Water conveyors
SNJ	Freight trucking and handling
SNJD	Delivery
SNJT	Teamsters
SNK	Pack trains. Animal transportation
SNKP	Packers
SNL	Porters. Carriers. Bearers. Stevedores
SNM	Express
	With the local list
SNMA	Employees
SNMO	Money orders
SNO	Post office
	<i>Better than in</i> JVPOS
	Railway mail cars <i>See</i> SVQB
	Mail vessels <i>See</i> SOKM
SNOA	Organization

SNOB	Employees
SNOc	Postmasters
SNOd	Office force
SNOE	Carriers
SNOF	Rural free delivery force
SNOG	Railway mail clerks
SNOH	Inspectors
SNOI	Supplies
SNOJ	Stamps, wrappers, envelopes Put Philately here
SNOK	Law <i>Better than JVPOS</i>
SNOL	Economics, finance, contracts
SNOM	Postal rates
SNON	Money order. Registry
SNOO	Collection and distribution
SNOP	Railway service
SNOQ	Foreign
SNOR	International
SNOS	Parcels post
SNOT	Dead letter service
SNP	Messenger service
SNQ	Passenger transportation Railroads <i>See Sv</i> Vehicles <i>See STR</i> Passenger vessels <i>See SoJP</i> Elevators <i>See SNHE</i>
SNQB	Cabs. Hacks. Omnibus. Stages
SNQF	Ferries
SNQS	Movable sidewalks
SNR	Transportation of animals
SNS	Transportation of perishable matter

So Naval architecture. Shipbuilding

With the local list

SOA NAVAL ARCHITECTURE

SOAB	Draughting
SOAC	Calculations
SOAD	Displacement, flotation
SOAE	Centre of buoyancy

SOAF Stability
 SOAG Added and moving weights
 SOAL Theory of grounding, docking, launching
 SOAN Theory of waves
 SOAR Rolling
 SOAS Resistance
 SOAT Theory of propulsion
 SOAU Steering and manoeuvring
 SOAW Weight and strength of hull

SOB SHIPBUILDING

Materials *See* Sc

SOBY Shipyards

SOC Hull construction

SOCB Keel, keelson, stem, stern

SOCF Framing systems

SOCG Sheathing, plating

Armor plate *See* U

SOCM Metal sheathing for wooden ships

SOCP Deck beams, decks, hatches

SOCQ Deck houses

SOCR Bulwarks

SOCT Fittings

SOCTA Anchors

SOCTR Rudders and rudder fitting

SOCV Launching

With the local list for accounts of launches, *or* arranged
 by name of vessel

SOCW Docking, repair

VESSELS CLASSIFIED BY POWER

SOD Rafts, scows, floats

SODA Animal power vessels

SODH Animal haulage

SODR Rowboats, paddling boats

SODS Oars, paddles, oarlocks

SOE	Sailboats, sailing vessels
SOEM	Masts, spars
SOER	Rigging
SOES	Sails and sailmaking
SOEZ	Engine-driven vessels
SOF	Steam vessels
	Marine engines <i>See</i> TDS
	Boilers <i>See</i> TCS
	Steam turbine <i>See</i> TCW
SOG	Vapor and explosive engine-driven
SOGC	Compressed air driven
SOGE	Electrically driven

VESSELS CLASSIFIED BY USE

SOH	Pleasure boats
SOHB	Houseboats
SOHC	Canoes, rowboats, racing shells
SOHG	Yachts
SOHM	Sailing
SOHP	Power (including auxiliary)
SOHS	Ice yachts
	Ice yachting <i>See</i> VIII

SOI	Commercial transportation
SOID	Domestic
SOIF	Ferries
SOIR	River and canal transportation
SOIS	Coastwise
SOIT	Transoceanic

SOJ Special commercial uses

These may be arranged alphabetically. Some of them are given below

SOJC	Cable laying and repair
SOJCA	Cattle transportation <i>See</i> SNR
SOJCO	Coal carrying, colliers
SOJDE	Derricks, floating
SOJDO	Docks, floating
SOJDR	Dredges
SOJEE	Elevators, floating
SOJEX	Excursion
SOJF	Fishing

SOJFL	Floats
SOJL	Lighters
SOJF	Passenger carrying
SOJPI	Pilot vessels
SOJPO	Pontoons
SOJR	Rafting
SOJRE	Refrigerators
SOJT	Tank
SOJTO	Towing
SOJW	Wharves, floating
SOJWR	Wrecking

SOK Special government uses

SOKB	Baths, public floating <i>See also SLJB</i>
SOKD	Deep sea sounding
SOKE	Exploring
SOKF	Fire fighting
SOKFC	Fish culture
SOKG	Garbage and refuse
SOKH	Hospitals
SOKI	Immigration service
SOKL	Life saving
SOKLI	Lightships and lighthouse supply
SOKM	Mail
SOKP	Police
SOKQ	Quarantine
SOKR	Revenue
SOKS	Surveying

SOL War vessels
Much better in UUD

SOQ	Submarine vessels
SOR	Diving bells, diving armor

Sos Seamanship

Soz Navigation

Nautical astronomy and navigation *See* Lz It may be placed here, divided as Lz

SP NAVIGATION PROTECTION

- SPA Lighthouses
 With the local list
- SPB Location
 Here put lighthouse charts
- SPC Design
- SPD Foundations
 See also SDH and SDI
- SPE Superstructure
 Building is SD
- SPF Lighting apparatus
- SPG Optical apparatus
- SPH Revolving and flashing
- SPI Lamps
- SPIB Oil
- SPIG Gas
- SPIL Electric
- SPK Visibility and range
- SPL Lighted beacons and buoys
- SPM Lightships
 Or SOKLI
- SPN Fog signals
- SPO Administration
 With the local list
- SPP Employees
- SPQ Supply
- SPR Tenders
 Or SOKLI
- SPT Accidents
- SPU Buoys
- SPV Spar
- SPW Can
- SPX Bell
- SPY Whistling
 Gas buoy *See SPL*
- SPZ Derelicts

SQ NAVIGABLE WATERS

- With the local list
- SQA Surveying, sounding
- SQB Breakwaters, levees, jetties, embankments
 Divide as Dams, SLEM

SQD	Dredging and rock removal <i>Divide as</i> Excavation, SDF
SQF	Docks, piers, wharves Docking <i>See</i> SOCR
SQG	Ice removal Ice breaking vessels <i>See</i> SOJIC
SQH	Watersheds
SQI	Flow and discharge of rivers
SQK	Gauging
SQL	Silt transportation
SQM	Erosion and erosion protection
SQN	Floods and flood protection With the local list
SQS	Dams <i>See</i> SLEM
SQY	Slack water navigation
SQZ	Canalization

SR CANALS

With the local list

Interoceanic canals are SRR

SRA	Location
SRB	Survey
SRC	Construction
SRCB	Bridges and aqueducts
SRCT	Tunnels
SRD	Locks and lifts
SRE	Feeders
SRF	Wasteways
SRG	Protection
SRH	Haulage of boats, propulsion
SRI	Enlargement
SRJ	Economics
SRK	Law

Better in Kcxc

SRR	Interoceanic canals
SRS	Suez
SRT	Nicaragua
SRU	Panama
SRV	Other isthmian schemes Arranged alphabetically or by local list
SRX	Smaller ship canals Arranged alphabetically or by local list
SRY	Ship railways, interoceanic Arranged alphabetically or by local list

SS WATER TRANSPORTATION

With the local list
Shipbuilding *See* SOB

ST LAND TRANSPORTATION

STA Roads, streets, pavements

With the local list
Road law *See* KPPE
State aid *See* JAPA
Convict labor *See* IFPL, HFP

STB	Location, surveying
STC	Plans, draughting
STD	Contracts, specifications
STE	Drainage
STF	Improvement of country roads
STG	Road making material
STH	Sand and gravel
STI	Shells
STJ	Stone, concrete
STK	Brick and tile
STL	Asphalt
STM	Coal tar
STN	Metal
STO	Wood

STP Construction
 STQ Preparation of material
 STR Grading
 STS Foundation
 STRT Wearing surface
 STU Road machinery
 STV Metal roads
 STW Sidewalks, crosswalks, curbs, gutter
 Grade crossings *See* SVFX
 STX Alleys, lanes, courts
 STY Maintenance and repair
 STZ Cleaning, sweeping, flushing, sprinkling
 STZS Snow and ice removal

Su Vehicles

See also Railways Sv
 Vehicle manufacture is in T

SUB Sliding vehicles
 SUR Wheeled vehicles
 SUS Man power vehicles
 SUV Animal power vehicles
 SUW Vehicles for special purposes
 SUZ Power vehicles, automobiles

SV RAILROADS

SVA Location
 SVB Surveying
 SVC Alignment
 SVCB Simple curves
 SVCE Compound curves
 SVCT Transition curves
 SVCV Vertical curves
 SVD Earthwork
 See also Excavation SDF
 SVDB Form
 SVDD Surveys

- SVDF Volume computation
 SVDH Cost
 SVDT Trestles
 SVDV Design
 SVDX Pile trestles
 SVDZ Framed trestles
 Tunnels
 See SDFT
 SVE Culverts
 SVEC Computation
 SVEF Pipe culverts
 SVEK Box culverts
 SVEM Arch culverts
 SVEP Cattle guards and passes
 Bridges *See* SDU
 SVF Track
 SVFB Ballast
 SVFD Ties and rail supports
 SVFE Metal ties
 SVFG Rails
 SVFI Rail-fastenings
 SVFK Rail joints
 SVFM Tie-plates
 SVFO Spikes
 SVFR Track-bolts and lock-nuts
 SVFS Switches and crossings
 SVFT Switch design
 SVFX Grade crossing question
 SVFZ Gauge
 SVG Structures
 Bridges, architecture *See* WHT
 Buildings, architecture *See* WHZ
 Bridge construction *See* SDU
 Building construction *See* SE
 Use the local list for plans of separate stations, etc.
 SVGL Water stations, water supply
 Compare SL

SVG M	Track tanks
SVG N	Fuel supply
SVG S	Snowsheds
SVG T	Turntables
SVG Y	Yards and terminals
SV H	Equipment
SV H Z	Motive power
SV I	Locomotive
	<i>Compare TDT</i>
SV I A	Design
	<i>Better in TDA</i>
SV I C	Construction
	<i>Or in TD</i>
SV I D	Operation
SV I E	Inertia
SV I F	Steam action
SV I G	Resistance
SV I H	Slipping
SV I I	Braking
SV I J	Steam capacity
SV I K	Hauling capacity
SV I L	Water consumption
SV I M	Fuel consumption
SV I N	Inspection
SV I O	Maintenance and repair
	<i>Or SWEC</i>
SV I T	Tender
SV I X	Accidents
SV J	Special locomotives
SV J M	Mining
SV J R	Rack
SV K	Other motors
SV K A	Hand cars
SV K B	Railway bicycle
SV K D	Horses and mules
SV K F	Wind. Car sails
SV K F	Cable
SV K L	Compressed air
SV K N	Gasoline

SVKP	Hydraulic
SVL	Electric
SVLS	Storage battery
SVM	Rolling stock
SVN	Cars
SVNO	Design. Draughting
SVNS	Building
SVO	Freight
SVOA	Flat
SVOB	Gondola
SVOC	Dumping
SVOD	Hopper bottom
SVOE	Tank
SVOF	Box
SVOG	Stock
SVOH	Refrigerator
SVOK	Caboose
SVP	Administration cars
SVPA	Dynamometer or Test
SVPC	Oil sprinkling
SVPE	Work
SVPG	Wrecking
SVPK	Repair and tool
SVPM	Pile driver
SVPP	Pay
SVPR	Boarding
SVQ	Passenger
SVQB	Mail
SVQD	Express
SVQF	Baggage
SVQH	Smoking
SVQK	Combination
SVQL	Lighting
SVQN	Day coaches
SVR	Parlor
SVRA	Observation
SVRC	Corridor
SVRE	Compartment
SVRG	Sleeping
SVS	Dining
SVSB	Buffet
SVSC	Café
SVT	Couplers
SVU	Brakes
SVUA	Air brakes
SVUF	Automatic brake
SVUS	Brake shoes
SVV	Wheels and axles
SVW	Vestibules

SVWH	Car heating and lighting
SVWL	Lubrication
SVWP	Painting, repair, cleaning
SVY	Signals
	<i>Compare SNAC</i>
SVZ	Train resistance
Sw	Railway economics
SWA	Promotion of projects
SWB	Operating expenses
SWC	Accounts. Finance
SWD	Maintenance of way
SWDA	Repairs of roadway
SWDC	Rail renewal
SWDE	Tie renewal
SWDF	Change of gauge
SWDG	Repairs to structures
SWDK	Employees
SWDZ	Cost, finance
SWE	Maintenance of equipment
SWEC	Locomotive repair and renewal <i>Or SVIO</i>
SWEF	Car repair and renewal
SWEH	Other repairs
SWEK	Employees
SWEL	Shops
SWF	Supplies
SWG	Traffic management
SWGA	Superintendence
SWGB	Special traffics
SWGB	Mail
SWGC	Baggage
SWGE	Express
SWGG	Freight
SWGK	Passenger
SWGM	Military service
	<i>See also UMNK</i>

SWH	Train despatching
SWI	Tariffs
SWJ	Differentials
SWK	Tickets
SWL	Law <i>Or in K</i>
SWM	Employees Arranged alphabetically, or better under the operation with which they are connected
SWO	Railway telegraph, and other electrical appliances (except motive power) <i>But</i> Signals Svz

SWP Inter-railroad operation

SWQ	Trunk line associations
SWR	Car interchange
SWRF	Inter-railway freight lines
SWRS	Car searching
SWS	Traffic agreements
SWT	Leased lines
SWU	Car renting

Sx Special railroads

Arrange alphabetically, as in Soj. e. g: Plantation
railroads Sxp

Sv	Elevated and underground roads
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Sz Aerodromics, aerial navigation

SzB	Balloons
Szc	Dirigible
SzP	Aeroplanes
SzQ	Kites

T Power. Mechanical engineering

TA·4	History
TA·5	Dictionaries. Encyclopaedias
TA·6	Handbooks. Tables
TA·7	Periodicals
TA·8	Societies
TA·9	Collections
TA	Applied mechanics <i>Compare SB</i>

TB PRIME MOVERS

TBA	Animal power engines
TBB	Water power engines
TBC	Overshot wheel
TBD	Undershot wheel
TBE	Current wheel
TBF	Breast wheel
TBG	Flutter wheel
TBH	Turbine
TBI	Governors
TBJ	Tidal engines
TBK	Wind engines
TBL	Windmills
TBLT	Towers
TBM	Compressed air engines
TBN	Explosive engines
TBO	Gas engines
TBP	Producer gas
TBQ	Gases from liquids
TBR	Igniting apparatus
TBS	Carbureting apparatus

T_{BT} Mufflers
 T_{BU} Air cooling
 T_{BV} Water circulating apparatus
 T_{BZ} Chemical power engines

T_C HEAT GENERATION

Theory of heat *See* L,
 Electric heating *See* T_{HF}

T_{CA} Fuel

Mining *See* R_D
 Transportation *See* S_{NG}

T_{CB} Properties of special fuels

T_{CBA} Coal
 T_{CBB} Anthracite
 T_{CBC} Bituminous
 T_{CBD} Lignite
 T_{CBE} Peat
 T_{CBF} Coke
 T_{CBG} Wood
 T_{CBH} Charcoal
 T_{CBI} Pulverized fuel
 T_{CBJ} Briquettes
 T_{CBK} Liquid fuel. Petroleum
 T_{CBL} Gaseous fuel
 T_{CBM} Natural gas
 T_{CBN} Artificial gas

T_{CC} Combustion

T_{CCC} Chemistry
 T_{CCH} Temperatures
 Pyrometry *is* R_{HP}

T_{CCO} Air supply

T_{CCP} Dampers
 T_{CCR} Forced draught
 T_{CCS} Chimneys, stacks
 T_{CCW} Smoke consumers

T_{CD} Furnaces. Stoves

T_{CDE} Economics. Efficiency. Cost
 T_{CE} Special parts
 T_{CEG} Grates
 T_{CEH} Hearths
 T_{CEK} Ashpits

TcF	Furnaces of special design
TcG	Stoking
TcH	Mechanical
TcI	Ash disposal
TcJ	Liquid fuel apparatus
TcK	Lamps. Stoves for liquids
TcKW	Wicks
TcKZ	Accidents
TcL	Furnace burners
TcM	Economy. Statistics of use
TcN	Gas lamps and stoves
TcO	Furnace burners (for gas)
TcP	Hot air engines
TcQ	Vapor engines
TcR	Refrigeration. Ice making
TcS	STEAM GENERATION. BOILERS
TcSA	Properties of steam <i>See also L</i>
TcT	Water supply <i>Compare SL</i>
TcTB	Injectors
TcTC	Feed pumps <i>Both are better in SL</i>
TcTG	Water gauges
TcTL	Low water detectors
TcTP	Fusible plugs
TcU	Water circulation
TcV	Boiler coverings
TcW	Cleaning. Corrosion
TcWB	Blow-off apparatus
TcWC	Boiler compounds
TcWM	Man-holes, hand-holes
TcWT	Cleaning tools
TcX	Inspection With the local list

TCXA	Accidents
TCXI	Insurance
TCXR	Repairs
TCY	Efficiency
TCYT	Trials
TCZ	Special types

T_D STEAM ENGINE

Put here all works which include engines, boilers and furnaces

T _D ·1	Theory
T _D ·7	Periodicals
T _D ·8	Societies
T _{DA}	Design
T _{DB}	Steam separation
T _{DC}	Superheating
T _{DD}	Slide valves and valve gear
T _{DDD}	Valve diagrams
T _{DE}	Cylinders
T _{DF}	Jackets
T _{DG}	Condensers
T _{DGJ}	Jet
T _{DGS}	Surface
T _{DGT}	Ejector
T _{DGT}	Evaporating
T _{DGW}	Air cooling of condensed water
T _{DH}	Governors
T _{DI}	Flywheels
T _{DJ}	Engine details
T _{DJB}	Pistons
T _{DJD}	Piston rods
T _{DJF}	Cross heads
T _{DJH}	Connecting rods
T _{DJM}	Main bearings
T _{DJO}	Cranks
T _{DJS}	Crank shafts

T _{DK}	Bed. Foundation. Erection
T _{DL}	Lubrication
T _{DM}	Operation
T _{DO}	Accidents
T _{DP}	Compounding
T _{DQ}	Stationary engines
T _{DR}	Portable engines. Farm engines
T _{DS}	Marine engines
T _{DT}	Locomotive engines <i>Or in SVI</i>
T _{DU}	Rotary engines
T _{DW}	Turbine engines

T_{DZ} ELECTRICAL ENGINEERING

Compare RV. See also T_{FE}, T_{GE}-T_{GZ}

T_E ELECTRIC CURRENT GENERATION

T_{EA} Theory

Or in LJ

T_{EB} Batteries

Arrange alphabetically by common name of inventor, as
Bunsen, T_{EBB}; Smee, T_{EBS}

Or use the following scheme :

T_{EBC} Without depolarizing agent e. g: Smee

T_{EBE} With chemical depolarization e. g: Grove, Leclanche

T_{EBF} Electro-chemical depolarization e. g: Daniell

T_{EBG} Gas batteries

T_{EBK} Dry batteries

T_{EC} Thermo-electric generation

T_{ED} DYNAMOS

General works only. Special types and dynamos for
special purposes go in T_{EH} and T_{EI} respectfully

T_{ED·1} Theory

T_{ED·4} History

T_{EDA} Design

TEE	Field magnets
TEEB	Form
TEEC	Core
TEEF	Winding
TEEG	Simple
TEEK	Series
TEEN	Shunt
TEEP	Compound
TEES	Excitation
TEEU	Unipolar dynamos
TEF	Armatures
TEFB	Form
TEFC	Core
TEFE	Insulation
TEFW	Winding
TEFX	Balancing
TEFY	Ventilation
TEG	Commutators
TEGB	Brushes
TEGH	Brush holders
TEH	Special makes of dynamos
	For description of type machines, arranged by inventor or maker. Dealers' catalogues and trade lists may be placed here
TEI	Dynamos for special uses
TEIA	Accumulator charging
TEIC	Electro-chemical operations
TEIL	Lighting and general distribution
TEIR	Railways
TEIT	Long distance transmission
TEK	Alternating current dynamos
TEKO	Single phase
TEKP	Polyphase
TEL	Regulation
TEM	Testing
TEN	Management
TEO	Economics of electric power plants
TEP	Accidents

TES POWER STORAGE

TET COMPRESSED AIR AND VACUUM MACHINERY

TEU Blowers, bellows

TEV Storage batteries

Better in TGT

TF Power Measurement

TFA Units

TFAC C. G. S. units

TFAH Horsepower. Foot-pound

TFB Dynamometers

TFBA Absorption

TFBB Prony brake

TFBC Alden brake

TFBF Fan brake

TFBP Pump brake

TFBT Traction dynamometers

TFBV Recording

TFC Transmission dynamometers

TFCB Rotation

TFCE Steelyard

TFCH Pillow-block

TFCL Lewis

TFCO Differential

TFCP Emerson

TFCV Van Winkle

TFCX Belt

TFD Belt testing

TFE Electrical Measurement

This may be put, not so well, in RYK. See note under RY. Measurement may be also placed in LJ, but as it used almost entirely for practical ends, it is better here

TFEA C. G. S. units

TFEC Ampere

TFEP Volt

TFER Ohm

TEF Current measurement

TFFA Standard cells

TFFC Cadmium

TFFS Clark

TFG	Galvanometers
TFGA	Primary
TFGB	Sine
TFGC	Tangent
TFGG	Gaugain and Helmholtz
TFGJ	Cosine
TFGK	Secondary
TFGL	Thomson
TFGM	Siemens torsion
TFGN	Wiedemann
TFGO	D'Arsonval
TFGP	Coils
TFGQ	Shunts
TFGR	Compensation
TFGS	Ayrton-Mather
TFGT	Needles and magnets
TFGU	Suspension
TFGV	Damping
TFGW	Marine galvanometers
TFGX	Ballistic galvanometers
TFGZ	Protection against mechanical disturbances
TFH	Measurement by electrolysis
TFI	Ammeters
TFJ	Weston
TFK	Ayrton and Perry
TFL	Thompson
TFM	Pendulum
TFN	Electro dynamometer
TFNS	Siemens
TFO	Current weighers
TFOK	Kelvin balance
TFP	Measurement of potential

T _{FQ}	Voltmeters
T _{FQC}	Weston
T _{FQD}	Electro dynamometer
T _{FQE}	Cardew
T _{FQS}	Electrostatic
T _{FQT}	Thompson
T _{FQW}	Quadrant
T _{FR}	Resistance measurement
T _{FRB}	Rheostats
T _{FRC}	Water
T _{FRD}	Carbon
T _{FRE}	Lamp
T _{FRF}	Wire
T _{FRG}	Resistance boxes
T _{FRH}	Slide wire bridge
T _{FRK}	Wheatstone bridge
T _{FS}	Potentiometers
T _{FT}	Power and energy measurement
T _{FTC}	Wattmeters
T _{FTE}	Electrodynamometers
T _{FTG}	Weston
T _{FTK}	Differential
T _{FTL}	Recording
T _{FTN}	Motor meters
T _{FTO}	Clock meters
T _{FTP}	Shallenberger meter
T _{FU}	Power factor meters
T _{FW}	Wave form apparatus
T _{FX}	Synchronizers. Phase meters
T _{FZ}	Other measurements

TG POWER TRANSMISSION. MACHINES

Put here all general works, as well as those limited to mechanical transmission

- TGA Draughting. Design
- TGB Linkwork. Connecting rods
- TGC Shafting
- TGCC Clutches
- TGCE Couplings
- TGCH Hangers and bearings
- TGD Gearing
- TGDB Spur
- TGDC Bevel
- TGDE Worm
- TGDP Pulleys
- TGDQ Belts
- TGDR Lacing
- TGDS Belt dressings
- TGDT Rope transmission
- TGDU Wire rope
- TGDV Pitch chain. Sprocket chain
- TGDW Friction
- TGDX Variable speed transmission
- TGDY Compressed air transmission
Compare TET
- TGDZ Hydraulic transmission

TGE ELECTRIC TRANSMISSION AND DISTRIBUTION

- TGF Properties of wire
- TGG Aerial circuit construction
- TGGA Poles
- TGGB Erection. Guys. Supports

TGGC	Cross arms. Pins. Brackets
TGGD	Insulators
TGGF	Wiring. Joints. Tying
TGGG	Cable suspension
TGH	Overhead trolley circuits
TGHB	Side pole
TGHD	Span wire
TGHF	Feed wire insulation
TGHJ	Pole tops
TGHL	Trolley insulators
TGHN	Wire erection
TGHQ	Third rail system
TGHR	Rail bonding
TGHW	Rail welding
TGHY	Electrolysis
TGHZ	Lightning arresters
TGI	Underground conduits
TGK	Cables
TGKS	Submarine cables
TGL	Circuit conditions
	Here place all matter referring to the electric conditions of circuits after erection
TGLD	Direct current conductors
TGLN	Alternation current conductors
TGM	Series distribution
TGN	Parallel distribution
TGO	Switches. Cutouts
TGP	Fuses
TGQ	Transformers
TGR	Long distance transmission
TGS	Economics. Cost
TGT	Storage. Accumulators
	<i>Or in TEV</i>

TGU Utilization of Electricity. Applied Electricity

TGV ELECTRIC MOTORS

Construction *See* **DYN**

TGW Toy motors and applications

TGX Small motors and applications

Here put all motors applied to domestic uses

TGZ Motors for large power

Railway motors *See* **SVL**

Marine use *See* **SOC**

TH ELECTRIC LIGHTING

Interior wiring *See* **SIW**

THA Lamps

THB Arc

THBH High potential

THBL Low potential

THC Carbons and other electrodes

THCF Feeding mechanism

THD Incandescent

THDG Globes

THDH Colored

THDL Filaments

THDV Vapor

THDX Other lamps

THDZ Battery lamps and miniatures

THE Lighting applications

THEA Advertising and signs

THED Decoration

THEM Medical

THEP Projection

Lantern slides *See* **WRSV**

THEQ Search lights

THRS Signalling

- THF Heating
- THG Chemical application
Sewage treatment *See* SKXE
Metallurgy *See* RER
- THP Plating
- THR Electro-culture of plants
For the apparatus. The use is in Agriculture
- THT Medical application
- THW Electrocution
Compare IFCE and KFXH
- THX X-rays
And similar new discoveries
- THY Toys. Amateur work

T_I Manufacturing

- T_I·4 History
- T_I·5 Dictionaries. Encyclopedias
- T_I·6 Tables. Handbooks
- T_I·7 Periodicals
- T_I·8 Societies
- T_I·9 Catalogues

T_{IA} Factories

- Architecture *See* WIF
- Building *See* SE
- Co-operation *See* HH
- Factory labor *See* HFF
- T_{IB} Management and organization
- T_{IC} Superintendence
- T_{ID} Employees
Compare HF
- T_{IE} Plans. Draughting

- T_{IF} Costs
- T_{IG} Packing and shipment
- T_{IH} Accounts
Or with T_{IF}
- T_{IK} Waste
Compare SKCT
- T_{IL} Workshop practice
Covering operations common in shops. Put amateur home-work manuals here

T_J Metal manufacturing

Metallurgy *See* RE, RFA-RFZ

- T_{JC} Casting. Moulding
- T_{JCC} Cupola
- T_{JCE} Pit
- T_{JCG} Ladle
- T_{JCJ} Sand
- T_{JCK} Chilled castings
- T_{JCL} Malleable castings
- T_{JCM} Plate moulding
- T_{JCN} Brass founding. Bronze
- T_{JCP} Tools
- T_{JCQ} Moulding machines
- T_{JCR} Pattern making

T_{JD} Forging. Smithing

- T_{JDF} Forges
Blowers *See* T_{EU}
- T_{JDK} Tools
- T_{JDP} Power forging and welding
- T_{JDR} Heating. Forges
- T_{JDT} Power hammers

TJE Machine work

TJEB	Lathe
TJEC	Lathe tools
TJED	Chucks
TJEE	Slide rest
TJEG	Planing
TJEK	Shaping
TJEM	Slotting
TJEO	Boring, drilling
TJEP	Milling
TJER	Milling tools
TJES	Machine vise
TJF	Marking off
TJFA	Surface plate
TJFD	Marking off tools
TJFG	Gauges
TJG	Fitting
TJGB	Vise
TJGD	Fitting tools
TJGE	Screw cutting
TJH	Grinding and sharpening
TJHE	Emery grinder
TJI	Erecting
TJJ	Mill work
TJJD	Rolling
TJJH	Heating
TJL	Plate sheet and angle work Boiler making goes here
TJLA	Hand tools and processes
TJLB	Machine work
TJLC	Punching

20 1111

Combative and Preservative Arts.

Elaborated by F. K. Walter from the unpublished outline of C. A. Cutter

SYNOPSIS

War U-UMZ

Military biography (Collective) U*10

Military history U11-99

Military organization UB-UBK

Military theory UC-UDZY

Military law UE

The Service UF-UMU

Naval arts UN-UU

Naval biography (Collective) UN*10

Naval history UN11-99

Naval organization UP-UPP

Naval theory UQ-UQV

Naval law UR

The Service US-USS

Ships and shipbuilding UU-UUZ

Preservative arts UV-UZ

U WAR

For morality of war *see* B; for international law *see* Jx-Jz or Kk. The general principles of military operations are in Uc

- U·4 History of the art of war
U·5 Dictionaries and encyclopedias
U·7 Military periodicals
U·8 Military societies
 With the local list. *See also* F
U·9 Collections and military miscellany
U·10 Military biography
 Collections only. In most libraries this goes better in E. If military biography is put with military arts put it here or in Ucb.

- U11-99 Military history and antiquities
 Only strictly military histories go here. In general libraries these may all be put in F. The early history of any one thing goes in the proper division of Ux. Military history by country takes U, subdivided by local list like F. *e. g.*:

Military history and antiquities of England	U45
History of particular corps or regiments	U45 ZA-Zz

For the military history of the American Revolution use U832 and its subdivisions; for the Civil War, use U834 and its subdivisions.

- UA Battles and sieges
 Alphabetically arranged by local list, or, in a large collection, chronological arrangement under local list. *See also* Ucu, which deals with the strategic rather than the historical side. Choice should be made and all kept together in one place. Sieges may be kept by themselves in UDXI

UB Military organization, condition and policy of different countries

With the local list. Includes reports of the various military officials and bureaus. Subdivide like the U. S. *e. g.*:

Secretary of War	UB83.1
Commander-in-Chief, Chief of staff	UB81.1A
Subordinate bureaus alphabetically arranged, <i>e. g.</i> :	
Adjutant-General	UB83.2A
Inspector-General	UB83.2I
Quartermaster-General	UB83.2Q
Reports to the department, <i>i. e.</i> : reports by a non-official	UB83.3
Army lists and registers	
<i>See also</i> UBCB	UB83.4

Technical reports go better with subject. *e. g.* :
Report of the Chief of Engineers goes better in Engineering, UD. If a complete file of reports is desired, use UB and its subdivisions

UBC Army Strength

UBCA Regular and active army. Army divisions and corps

UBCB Personnel. Officers and enlisted men
Registers and army lists may go here or in UB. In most libraries they go better here

UBCD Officers
Commissions, terms of service, general duties
The duties of special classes of officers go under their particular branch of the service

UBCE Non-commissioned officers and privates
Recruiting, conscription, terms of service, general duties

UBCF Reserves
Includes all classes subject to military service

UBD National defenses
Fortifications, fortified posts, etc. With local list
Better in UD

UBE Military districts. Colonies (Military administration)

UBG Military geography
Includes climate, topography, natural resources, etc.
General works go here. Works dealing with special military problems go better in UCG, where all Military geography may be put

UBH Military photography and photographs. Military pictures
See also UCG and W

UBN Military statistics
General or collective statistics not confined to any special subject

Uc Military science and art

UCA Military handbooks

General works. Special topics or classes go with subject. e. g: Infantry officer's handbook UGT

UCB Military memoirs

Dealing with military rather than biographical details
Better in U.10 or, in most libraries, in E or F

UCC Strategy. Art of planning campaigns

UCG Strategic lines and bases. Special military geography

UCH Military map-making. Military surveying

See also Gf and Gs

UCT Grand tactics. Art of fighting battles

UCU Battles

Alphabetically arranged, or, in a large collection, chronologically. *See also UA*

UCv Tactics. Military formations

Tactics of special arms go under subject, e. g: Infantry tactics UGT

UCvA Field tactics

UCvB Attack and defense of field works

UCvC Attack and defense of fortifications

UCx Minor tactics and operations. Security and information

Alphabetically arranged, e. g:

UCxB	Barricades	UCxO	Outposts
UCxC	Convoys	UCxP	Passage of rivers
UCxD	Defiles	UCxR	Reconnaissance
UCxE	Detachments	UCxS	Riots
UCxF	Foraging	UCxT	Surprises. Ambuscades
UCxG	Guard duty	UCxV	Villages

UCy Military information. Intelligence department

UCyA Scouts, reconnaissance parties, etc.

compare UCxR

UCyB Dispatch carriers

UCyC Ciphers, codes, etc.

UCyF Attachés

UCyN Newspapers, censorship, military correspondence

UCz Secret service

UCZA Spies, detectives, etc.

UD Military engineering

UDA Attack and defense

UDB Military roads

UDC Military railroads

UDD Military bridges. Crossing of streams

UDDP Pontons

UDE Fortification in general

See also UBD

UDC Castramentation

UDI Intrenchments

UDK Earthworks

UDL Permanent and semi-permanent fortifications

UDM Stockades

UDP Sea-coast defense

For the naval side *see* UQB

UDPF Fortifications

UDPM Submarine mines

See also Urs

UDPT Torpedoes

UDR Obstructions

UDS Obstacles

UDT Demolitions

UDU Mines and tunnels

UDV Locks, dams, etc.

UDW Military canals

UDX Art of besieging

UDXL Sieges

Arranged alphabetically under local list *or* put in UA

UDZ Training. Manoeuvres. Reviews

UDZA Military manoeuvres and reviews

With the local list. *e. g.* : U. S. army manoeuvres UDZA83

- UDZC Combined (Army and navy)
- UDZG War games, Kriegspiel, Strategos, etc.
- UDZM Military schools
 With the local list. In a general library these may be put in IYUM. *e. g.*
 West Point UDZM83W or IYUM83W
 Chatham UDZM45C or IYUM45C
- In a large collection relating to a particular school the following scheme may be used :
- | | |
|---------|--|
| UDZM1.A | General descriptions and miscellany |
| UDZM1.B | Legislative acts and documents relating to the school |
| UDZM1.C | Reports of Superintendents |
| UDZM1.D | Reports of boards of visitors and trustees |
| UDZM1.E | Rules and regulations |
| UDZM1.F | Registers of students and graduates |
| UDZM1.G | Miscellaneous official publications |
| UDZM1.H | Student publications, periodicals, class-books, programs, etc. |
- UDZS Staff schools
- UDZT Service schools
 Artillery, Cavalry, Engineer, Torpedo, etc. Arrange alphabetically under local list
- UDZU Post schools
 Includes Post trade schools
- UDZV Camps of instruction
- UDZX Drill and drill regulations
 Not confined to any one branch of the service
- UDZY Military gymnastics, Athletics, Physical training
- UE Military law**
 General works, including Army orders and regulations, Reports of the Judge Advocate General, etc. In a general library this goes better in KN or KT
- UEA Discipline
 Includes Military prisons and Provost marshals
- UEB Courts of inquiry
- UEC Courts martial
 With the local list. Arranged alphabetically by name of defendant. *e. g.*: Trial of Henry Wirz UEC834W. *See also* KN

- UED Desertions
- UEF Customs of war. Prisoners of war
See also KN
- UEG Martial law
- UER Military customs and ceremonies. Military etiquette
- UES Rank

UF The Service

- UFA Staff
- UFG General staff
- UFH Headquarters
- UFI Personal. Bodyguards
- UFO Adjutant-General. Adjutants
See also UB83.2A
- UFP Inspector-General. Army inspectors
See also UB83.2IN
- UFQ Intendance service. Army service corps
- UFR Civil departments and employees

UFS The three arms

Works not confined to any particular branch of the service may be put here

- UG Infantry
- UG.4 History of infantry
History of particular countries or regiments goes in U11-99, of regiments may go in UB
- UGA Light infantry. Sharpshooters
- UGB Heavy (line) infantry
- UGD Mounted infantry
- UGE Infantry arms and drill
Fencing, bayonet drills, etc. Separate arms arranged alphabetically. *e.g.*: Bayonet UGF_B, Pike UGF_P
- UGR Rifle, carbine, pistol, etc. practice and drill
- UGT Tactics and drill. Infantry handbooks
See also UCA and Ucv

- UH Cavalry
- UH.4 History of cavalry
See note under UG.4
- UHA Special troops
May be arranged by local mark, *e. g.*: Hussars UHA39, *or, better*, alphabetically, *as*: Cuirassiers UHAC, Dragons UHAD, Hussars UHAH
- UHC Cavalry arms, practice, and drill
Arranged alphabetically
- UHT Cavalry tactics and drill. Cavalry handbooks
See also UCA and UCV
- UHV Cavalry horses
- UHVC Care
See also UJV
- UHVE Equipment
See also UMLO
- UHVT Training and drill
- UI Artillery
- UI.4 History of artillery
See note to UG.4
- UIF Field artillery. Light artillery
- UIFA Horse batteries
- UIFB Mule batteries
- UIFC Elephant batteries
- UIFD Camel batteries
- UIG Machine guns
Or in UJLQ
- UIH Mountain artillery
- UII Heavy artillery. Siege artillery
- UIJ Seacoast artillery. Fortress artillery
- UIK Mortar batteries, Howitzers, Rocket batteries
- UIL Pneumatic guns
- UITM Automobile and railroad batteries
- UIN Garrison artillery. Foot artillery
- UIO Ordnance and gunnery
Works including both. For Ordnance alone *See* UJ
- UIP Gunnery. Use of guns
See also UMGD
- UIPB Ballistics
- UIPBA Interior
- UIPBB Exterior
- UIPC Ammunition and charges
Use, not manufacture

- UIPD Projectiles
 Shrapnel, grape, canister, etc. Includes also projectiles for small arms
- UIPE Sights and sighting. Range finding
- UIPM Manipulation and repair of guns
- UIPN Target practice. Artillery fire
- UIT Artillery tactics, Battery drill, Artillery handbooks
 Tactics of special batteries may be put with subject,
 e. g: Field artillery tactics UIF
- UJ Engineer corps
- UJ4 History of engineers
 See note to UG4
- UJA Special services
 Go better in Technical troops, UIF. If put here arrange alphabetically, e. g:
 UJAB Bridge troops
 UJAM Mining and torpedo troops
- UJD Engineer tactics, Engineer drill, Engineer handbooks
- UJF Technical troops
- UJF4 History
 See note to UG4
- UJFA-UJFZ Special technical troops
 Arranged alphabetically, e. g:
 UJFB Bridge troops, Pontoniers
 UJFE Electricians
 UJFP Pioneers, Military roads
 UJFR Railroad troops
 UJFT Telegraph and telephone troops
 See also UJG
 UJFTE Military telegraphy. Teletography
 UJFTW Military wireless telegraphy
- UJG Signal corps, Balloon corps, Military signalling
 For signalling in general, *see S*
- UJGB Balloons, Airships, Military aeronautics
- UJGC Signal flags
- UJGH Heliograph, Flash light, Fires, Rockets
- UJGK Kites
- UJGZ Other methods
 Carrier pigeons, etc.
- UJH Special services and troops
- UJHA Chaplains and religious agencies
 Post chapels, Y. M. C. A. tents, rooms, and the like may be put here or in
 Ds, DU, etc.

- UJHB Bicycle troops
 For special services, *see* subject, e. g.: Bicycle signal corps UJG
- UJI Military bands, Military music
 Better in VYM. Special musicians arranged alphabetically, e. g.: Band-
 master UJIB
- UJK Military police
 Arranged alphabetically, e. g.: Gendarmerie UJKE
- UJLM Mountain troops
- UJLO Orderlies, Messengers
- UJLP Military postal service
 Better in SNO
- UJLQ Machine-gun service
 Better in UIG
- UJLR Animals used in war
 War dogs, camels, elephants, etc.
- UJM Medical service
 For strictly medical side *see* Q. Reports of the Sur-
 geon-General may be put here. In a general library,
 most of the books belonging here are better put in Q
- UJMA Surgeons
- UJMB Apothecaries, Pharmacists
- UJMC Dental surgeons
- UJMD Hospital corps
- UJME Stewards
- UJMF Field corps
- UJMG Nurses and attendants
- UJMH Hospital drills, First aid manuals, etc.
- UJMI Military hospitals and dispensaries
- UJMJ Field hospitals
- UJMK General hospitals
- UJML Hospital trains
- UJMN Hospital ships and transports
- UJMO Equipment
 Special apparatus and supplies may be arranged alphabetically, e. g.:
 UJMOA Ambulances UJMOS Stretchers
 UJMOF First aid kits
- UJMP Examination of recruits
- UJN Red Cross, Christian and Sanitary Commissions, and
 other relief organizations
 See also F8344 and KKV
- UJO Military hygiene and sanitation
 See also QR, QS
- UJS Medical and vital statistics

- UJT Army medical museums
- UJV Veterinary service
See also UHV
- UJVE Veterinarians
- UJVR Farriery
- UK Militia
With the local list. This place may be used by those who desire to keep together all books on militia. In general libraries it will usually be better to put such books under subject. *e. g.*: Mass. militia manoeuvres, UDz844
- UKT Militia tactics
See also Ucv
- UL Irregular troops. Camp followers
- ULA Independent commands
- ULB Guerrillas
- ULC Partisans
- UM Material and munitions
- UMA Arsenals and armories
With the local list
- UMB Armor and military costume, Uniforms
See also UMLC and WVM
- UMBA Military heraldry
- UMC Weapons
Includes works on armor and weapons together. General and historical works not limited to use by any one branch of the service. *See also UTD*
- UMCA Artificers, Armorers
- UMD Contusing and cutting weapons
e. g.: Battle-axe, Sword, War-club
- UME Explosive and projectile weapons
e. g.: Catapult, Javelin, Bows, Arrow-pipe, Air-gun
- UMF Firearms in general
- UMFB Breechloaders
- UMG Ordnance
See also UTO
- UMGA Ordnance troops and employes
- UMGB Armor and armor plate
- UMGC Guns, carriages, etc., including design
- UMGD Disappearing gun-carriages
- UMGF Manufacture of guns
See also T

- UMGH Testing guns and armor
Includes testing grounds, ranges, etc. *See also* UIP
- UMGK Powder and explosives, Ammunition in general
- UMGM Manufacture
See also T
- UMGT Testing
- UMGV Projectiles, Manufacture and testing
- UMB Ammunition supply, Ammunition trains
See also UIRC
- UMK Small arms
Includes sportsmen's guns
- UMKB Smoothbores
- UMKD Rifles
- UMKP Pistols
- UMKR Revolvers
- UMKS Ammunition for small arms
Submarine mines *See* UDRM
Torpedoes *See* UDPT
- UML Supply, subsistence, and transportation. Logistics
Strategic side is in Ucc
- UML'1 Quartermaster's department
May include reports of and to the Quartermaster-General. Subdivide by local list. *See also* UB83:2Q
- UMLA Organization
- UMLB Regulations, manuals, etc.
- UMLC Records, rosters, reports, etc.
- UMLD Supplies and stores
- UMLE Specifications, proposals, contracts
- UMLG Clothing and equipment
Compare UMB
- UMLH Equipage. Camp and garrison supplies
- UMLM Horses, mules, and other service animals
Compare UJLR
- UMLN Forage
- UMLO Other supplies
- UMLQ Quartering troops
- UMLR Camps
Includes accounts of camp life
- UMLS Billeting
- UMLT Military posts and barracks
(General descriptions and reports)
- UMLV Specifications, proposals, contracts
- UMM Commissary department, Subsistence
May include reports of and to the Commissary-General
See also UB83:2Co
- UMMA Specifications, proposals, contracts
- UMMB Food supplies, rations

- UMMC Cooking, messing
 Includes "Army cook's manual" and the like. *See also* RZ
- UMME Cooking equipage. Bakeries
- UMMF Slaughtering
 See also T, where it is better put
- UMMH Refrigeration
 General treatment in RUQ. *See also* T
- UMME Water supply
 General treatment in SL
- UMMN Commissaries and Post exchanges
 Includes Canteens, Sutlers, Traders, etc.
- UMN Military transportation
 For general treatment of transportation *See* SN. Put here general works
 on military transportation and mobilization. Mobilization alone goes in
 UMO. *See also* UML
- UMN'4 History of military transportation
- UMNA Carriers, coolies
- UMNC Snowshoes, skates, skis
- UMNE Handcarts, sledges
- UMNG Pack trains
 Includes animals and equipment
- UMNH Wagon and sledge trains
 Includes animals, vehicles, and equipment
- UMNK Military railway transportation
 Or SWGM
- UMNL Armored trains
- UMNM Other mechanical transportation
 e. g.: Traction engines, automobiles, bicycles, etc.
- UMNP Water transportation
 Includes transports, etc. General treatment in SS
- UMO Mobilization
 The strategic side goes in UCC
- UMP Financial department
- UMPA Pay department
- UMPB Paymasters
- UMPC Army chests
- UMPF Department of accounts. Auditors
- UMR Pensions, bounties
 Used for pensions only in cases where they are under the control of the War
 Department. *See also* JVE
- UMS Soldiers' homes
- UMT Military reservations, cemeteries, etc.
- UMU Non-official military organizations
 e. g.: High school cadets, college cadet corps, etc.

UN Naval arts

For works including both army and navy, *see* U-UM

UN·5 Dictionaries

UN·7 Periodicals

UN·8 Societies

For societies including both army and navy, *see* U·8

UN·9 Naval collections and miscellany

UN·10 Naval biography

See note under U·10

UN11-99 Naval history and antiquities

Arranged like U11-99. Particular ships are arranged alphabetically with local list. *e. g.*: History of the frigate "Constitution" UN83C

UNX Privateers

Arranged alphabetically under local list

UNZ Pirates

See also Jx and KFP

UO Naval battles and blockades

Arrange alphabetically by local list. For a large collection, chronological instead of alphabetical arrangement may be used

UP Naval organization, condition and policy of different countries

With the local list. Includes reports of the Secretary of the Navy, Navy lists, Naval statistics, etc. *See* note to UB
Reports arranged as follows:—

Secretary of the Navy UP83·1

Subordinate bureaus UP83·2

Alphabetically arranged. *e. g.*:

Bureau of equipment UP83.2E

Bureau of navigation UP83.2N

Reports to the department UP83·3

i. e.: Special reports by non-officials

Navy lists and registers UP83·4

UPB Naval districts, Disposition of fleets, Naval stations

UPD Docks, Harbors, Naval bases

UPE Ports, Port charges, Harbor regulations

Port charges and regulations go better in KLV

UPM Maps and charts. Admiralty and coast surveys

In most libraries these go better in GL

UPP Naval photography and photographs. Naval pictures

UPS Naval statistics

General and collective. Those confined to a special subject go with the subject

UQ Naval science and art

UQA Naval and nautical handbooks

General works. Special topics or classes go with subject

UQB Naval strategy, Tactics, Manoeuvres. Coast defense

Combined manoeuvres *See* UDZC

UQBA Fleet manoeuvres

UQBB Squadron manoeuvres

UQBC Manoeuvres of single vessels

UQBG Naval war games

UQP Minor tactics

Arranged alphabetically, *as* Boarding UQFB

UQG Naval and marine engineering

See also So-Ss

UQH Steam engineering

See also Td

UQK Electrical engineering

See also Tdz

UQN Navigation, including Nautical astronomy. Seamanship

Includes both naval and merchant marine. For astronomical side *see* Lz, or put here with the following notation, subdividing as in Lz for closer classes. *Or in* Soz

UQNA Tables

UQNB Charts

UQNC Mercator

UQND Gnomonic

UQNE Polyconic

UQNF Coast pilots and sailing directions

With the local list

UQNG	Nautical instruments
UQNH	Lead <i>See also</i> UQNVQ, and LZVQ
UQNI	Log
UQNK	Marine odometer
UQNL	Mariner's compass
UQNM	Azimuth compass
UQNN	Chronometer
UQNO	Quadrant
UQNP	Sextant
UQNQ	Octant
UQNR	Artificial horizon
UQNS	Use of the compass
UQNSE	Deviation and rectification
UQNV	Position determination
UQNVA	Dead reckoning
UQNVE	Pilotage. Pilots
UQNVQ	Sounding <i>See also</i> LZH and UQNH
UQNW	Observation (Astronomical navigation)
UQNX	Sailing
UQNY	Winds and currents. Barometers
UQNZ	Tides and tide tables
UQO	Seamanship. Management of vessels
UQOA	Oar propelled
UQOB	Sailing
UQOC	Steam
UQOD	Vapor
UQOE	Electric
UQOH	Steering and steering gear
UQOK	Anchoring
UQOM	Docking
UQOP	Towing
UQP	Naval intelligence <i>See also</i> UP 21. <i>Compare</i> UCy
UQPA	Messengers
UQPC	Ciphers, codes, etc.

- UQPL Attachés
- UQPN Newspapers, censorship. Naval correspondence
May be put in UCYN
- UQR Secret service
- UQRA Spies, detectives, etc.
- UQS Signals, Naval and maritime
See also SPN
- UQSA Day
- UQSC Night
- UQSE International
- UQSF Flags
- UQSH Heliographs, Fires, Searchlights, Rockets
- UQSS Sound. Whistles, horns, etc.
- UQST Wireless telegraphy
- UQT Dispatch boats
- UQU Scout ships, Patrols, Reconnaissance
- UQV Other methods
See also SPN and UVN
- UR Naval law and discipline**
Includes Orders and regulations, Reports of the Judge-Advocate General, etc. The entire section with the exception of URN goes better in KL.
- URB Courts of inquiry
With the local list. Arrange alphabetically by name of defendant. *See also KNE*
- URC Courts martial
Arrange like URB. *See also KNC*
- URD Desertions
See also KNJ
- URDA Mutiny
Arrange alphabetically by name of ship
- URE Naval prisons and prison ships
- URF Rank
- URM Maritime law
Better in KL

- URMA Prize courts and captures
- URN Naval ceremonies and customs
Includes Naval etiquette, Salutes, Duels, etc.
- Us **The service**
- USA Personnel of navy
Navy lists and registers may go here. *See also* UPT:4
- USc Officers
Includes Commissions, terms of service, general duties, etc.
- USD Petty officers and seamen. Apprentices.
Recruiting, conscription, general duties, etc. Includes also accounts of life on shipboard, excepting such books as belong better with travels in G
- USF Gunners. Naval gunnery
See also UTO and UIP, where this section may be put in most libraries
- USFB Ballistics
- USFC Ammunition and charges
- USFD Projectiles
- USFE Sights and sighting. Range-finders
- USFM Manipulation and repair of guns
- USFT Gun drill. Target practice
- USG Drill and drill regulations. Minor tactics
Arrange minor tactics alphabetically
- USK **Marines**
- USKA Officers
- USKC Non-commissioned officers and privates
- USKG Marine drill and drill regulations
- USKT Marine tactics
- USL Naval and marine reserves. Naval militia
With the local list
- USM **Merchant marine**
See also KL
- USMA Officers
- USMB Seamen

- USMC Manning vessels
Includes Impressment, Shanghaing, etc.
- USMD Discipline
- USMF General regulations
- USMG Ship records, Log-books
- USN Naval education and training**
With the local list
- USO Naval schools and academies
In a general library these may be put in IYUN. An extensive collection may be arranged like UDZM
- USOA Service schools and training stations. Torpedo schools
- USOB School and training ships
- USOD Superior naval schools. Naval war colleges
- USOG Physical training. Gymnastics
- USP Naval music. Naval musicians
Better in VYM
- USPA Chaplains and religious agencies
- USQ Naval inspection and inspectors
- USR Naval medical service
For strictly medical side *See Q*. Reports of and to the Surgeon-General may be put here. *Compare UJM*
- USRA Surgeons
- USRB Apothecaries, Pharmacists
- USRC Dentists and dental service
- USRD Hospital corps
Nurses. Baymen
- USRG Hospital drill. First aid manuals, etc.
- USRH
- USRI Naval and marine hospitals and dispensaries
- USRK Sickbays. Cockpits
- USRL Hospital ships and transports
See also UJMN
- USRN General hospitals
- USRQ Equipment
Better with UJMO. Special apparatus may be alphabetically arranged

- USRR Red Cross and other relief organizations
 See also KKV and UJN
- USRS Naval medical statistics
- USRV Naval medical museums
- USRX Naval hygiene and sanitation
 See also QR and Qs
- UT Material and munitions. Equipment
- UTA Dockyards and navy yards
 With the local list
- UTB Weapons
 Compare UMC, where all weapons are better put in most libraries
- UTD Artificers. Armorers.
- UTE Contusing and cutting weapons
- UTF Explosive and projectile weapons
- UTG Firearms in general
- UTH Breechloaders
- UTO Ordnance
 Compare UMG, where all ordnance may be put
- UTOA Ordnance troops and employes
- UTOAB Armor and armor plate
- UTOB Guns and carriages, including design
- UTOC Manufacture of guns
 See also UMGC and T
- UTOD Gun and armor tests
 May be put with UMGD
- UTOE Powder and explosives. Naval ammunition
 Manufacture *See* UMGM and T
- UTOG Testing
 See also UMGF
- UTOH Projectiles (Manufacture and supply)
 Compare UMGV and UJPD
- UTP Small arms
- UTR Submarine mines
 Or in UDFM
- UTS Torpedoes
 See also UDPT
- UTT Obstructions
 See also UDR

- UTUB Naval stores
 Special stores may be alphabetically arranged
- UTV Coal and other fuels. Coaling stations
- UTVB Coal tests
- UTVC Coaling. Colliers
 See also SoJ
- UTW Supplies and accounts
 May include reports of and to the Paymaster-General
- UTWA Specifications, proposals, contracts
- UTWB Financial department
- UTWC Pay department. Paymasters
- UTWD Department of accounts. Auditors
- UTWE Provisions
- UTWF Transportation, including refrigeration
- UTWG Cooking. Messing
- UTWGD Ship exchanges. Compradors
- UTWH Water supply for vessels
 See also SL
- UTWI Clothing and equipment, Naval and marine costume and uniforms
- UTWJ Naval heraldry
- UTWK Equipage
 Includes Berths, hammocks, colors, kits. etc.
- UTWN Quartering
- UTWO Quarters on shipboard
- UTWP Naval and marine barracks. Sailors' shore quarters
- UTX Naval pensions and bounties
 For pensions under control of the Navy department
 See also JPVE
- UTXH Naval, marine, and sailors' homes
- UTXR Naval reservations, cemeteries, etc.
- UTZ Non-official naval organizations
- UU **Ships and shipbuilding. Naval construction**
 Put here only such works as relate to the navy. Ship-
 building in general goes in So. If it is desired to keep in
 one class everything relating to ships, this may be used as
 an alternative place, with subdivisions like So
- UUA Naval architecture
 Includes plans and drawings. *See also* SOB

- UUB Details of construction
 Subdivide like SOB
- UUD War vessels
 Includes lists and descriptions of vessels. Special classes
 are arranged alphabetically. *e. g.*:
 Battleships UADB Gunboats UUDG
 Cruisers UUDC Monitors UUDM
 Frigates UUDF Torpedo boats UUDT
 See also SOL
- UUL Vessels for naval transportation
 Colliers, Transports, Refrigerating ships, etc. Arrange al-
 phabetically like UUD
- UUN Privateers
 For history *see* UNZ, where all relating to them is better
 put, except such legal matters as belong in K
- UVO Revenue vessels
 Or in Jv83TR for the United States
- UUR Merchant marine
 Or in SOL. Includes lists and rating of vessels. Arrange
 particular classes alphabetically, *e. g.*:
 Brigs UURB Schooners UURSC
 Cutters UURC Sloops UURSL
- UUT Pleasure boats and yachts
 See also SOH
- UUZ Diving bells and armor
 Better in SOR

PRESERVATIVE ARTS

- UV Life-saving arts
- UVA Lighthouses and lightships. (Management and ap-
 paratus)
 With the local list. May include reports of the Lighthouse
 Board as UVA83. The section goes better in SP. If placed
 here, divide as SP. *e. g.*:
 UVAB Location
 UVAC Design
 UVAF Lighting apparatus
 UVAM Lightships

- UVN Fog signals
See also SPN and UQV
- UVU Buoys
See also SPN
- UW Life-saving service
Compare SPP
- UWA Life-saving stations
 With the local list
- UWD Employees
- UWE Equipment
- UWEA Life boats
- UWEC Life lines
- UWEF Cars and Breeches buoys
- UWK Drill and regulations
- UWL Marine inspection. Marine inspectors
- UWN Boilers
See also TUX
- UWO Hulls
- UWP Life belts, Life preservers, etc.
- UWR Boats
Compare UWEA
- UWT Life rafts
- UX Shipwrecks and derelicts. Marine disasters
 / Arrange alphabetically by name of ship
- UY Fire extinction. Fires
 General works and descriptions
- UYA Reports of fire departments
 With the local list. Includes organization and administration. The more technical reports go here. For complete files from the administrative side use JW
- UYB Engine houses. Fire alarm systems
- UYD Employes. Fire police
 Includes personnel of volunteer companies

- UYF Fire drill
- UYH Horses
- UYK Equipment
- UYL Fire engines and pumps
- UYLH Hand
- UYLS Steam
- UYLT Chemical
- UYN Ladders, Ropes, etc.
- UYO Axes, Poles, etc.
- UYP Water supply for fire extinction
See also SLJF
- UYQ Nozzles, Hydrants, Hose, etc.
See also SLGX
- UYR Firemen's clothing
- UZ Protection against fire and thieves
- ULA Mutual protective associations. Citizens' protective associations
- UZB Fire and burglar insurance
Much better in Ii and KDW
- UZC Building inspection. Building inspectors
- UZD Fireproofing
See also SIV
- UZF Fireproof fabrics
- UZH Fire escapes
- UZL Fire and police alarms. Burglar alarms
For alarm systems, *i. e.* location of boxes, signals, etc.
see UYB
Police departments *see* IB
Locks, Safes, etc. *see* T
- UZO Protection against explosives
- UZP Manufacture and inspection
For technical side of manufacture *see* T
- UZQ Storage and sale
- UZR Transportation

