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ALPHABETICAL INDEX  
TO THE  
CLASSIFICATION OF GERMAN PATENTS

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ALPHABETICAL INDEX  
TO  
THE CLASSIFICATION OF  
GERMAN PATENTS

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ALPHABETISCHES  
STICHWÖRTERVERZEICHNIS  
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## P R E F A C E .

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The purpose of this Alphabetical Index to the Classification of German Patents (*Stichwörterverzeichnis*—literally, list of key-words) is to enable any one to find the class, subclass, and group in which any given article of industrial technics is treated in the German patent office in accordance with the Manual of Classification (list of classes, subclasses, and groups) published in 1910. When used in connection with the *Nummerliste* (number-list) of German patents, published in 1912, it also renders it possible to ascertain what German patents are already in existence in the respective field of invention.

The scope of the Alphabetical Index has been considerably enlarged as compared with the Manual of Classification. To facilitate the use of the Index, word formations consisting of two collective words, such as "*Blindenuhr*," (timepiece for the blind,) usually appear twice—"Timepieces for the blind" and "Blind, timepieces for." In the case of some such word formations, where the material is extensive, the compound words appear only once, usually with a cross-reference—"Engines, steam; see Steam-engines."

In the marginal references to classes, subclasses, and groups, different classes and subclasses are separated from each other by semicolons, groups by commas.

## TRANSLATOR'S NOTE.

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In printing this index, the usual dashes or ditto marks have been omitted before indented lines. In using the index, it is to be understood, that before each indented line is to be read the first word (or phrase, when required to make sense) of each and every preceding line with respect to which the line in question stands indented.

For example, the following headings selected for illustration from different subjects are arranged as printed in the index, in the column on the left, and are to be respectively read as shown in the column on the right:

1.  
Beer aerating.  
Glass counters or registers.  
Stands.  
With advertising matter.

2.  
Charging apparatus for bakers' ovens.  
Apparatus for blast and cupola furnaces.  
For bucket conveyers.  
Pump governors for gas and air engines.  
For liquid-fuel engines.

3.  
Safety bars on machines.  
Chains for doors.  
Connected with alarms.

1.  
Beer aerating.  
Beer glass counters or registers.  
Beer glass stands.  
Beer glass stands with advertising matter.

2.  
Charging apparatus for bakers' ovens.  
Charging apparatus for blast and cupola furnaces.  
Charging apparatus for bucket conveyers.  
Charging pump governors for gas and air engines.  
Charging pump governors for liquid-fuel engines.

3.  
Safety bars on machines.  
Safety chains for doors.  
Safety chains for doors, connected with alarms.



# ALPHABETICAL INDEX TO THE CLASSIFICATION OF GERMAN PATENTS.

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	Classification.		Classification.
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Plate.....	65e, 2; 72g, 3
Casting.....	31c, 17
Hardening and cementing.....	18c, 4
Armored gun mounts.....	72c, 3
Shields.....	72g, 2
Turrets.....	72g, 3
Vehicles.....	72g, 4
Arms, artificial.....	30d, 2
Arrows.....	72b, 3
Arsenic and arsenic compounds.....	12i, 31
Extraction.....	40a, 45
Art castings, metal.....	31c, 20
Glazing.....	32b, 11
Imitation.....	75d, 26
Arteries, binding.....	30a, 8
Articulators for false teeth.....	30b, 11
Artificial flying.....	77h, 7
Leather made by impregnating or coating.....	
fabrics or layers of fiber.....	81, 2
Made of covered textile fabrics.....	8h, 7
Made of paper-pulp.....	55f, 14
Made of plastic compositions.....	39b, 12
Stone compositions.....	80b, 10-17
Stone filters.....	12d, 12
Stone ties.....	19a, 6
Stone wainscoting.....	37d, 33
Stones, burnt.....	80b, 8
Coloring, glazing, ornamenting.....	80b, 23
For building purposes.....	37b, 1; 80b, 8
For lithographic purposes.....	15l, 1
Mosaic-like, apparatus for making.....	80a, 58
Making.....	80b, 15
Wood.....	39b, 8
Yeast.....	6a, 14
Asbestos.....	80b, 9, 17
Cleaning.....	12i, 37
Fabrics.....	86c, 1
Fireproof.....	8k, 4
Imitation.....	8h, 7
Asbestos glass.....	32a, 22
Insulation, electric.....	21c, 2, 7
Spinning.....	76b, c
Yarn.....	76c, 31
Ash boxes.....	34d, 4
Boxes, locomotive.....	20b, 14
Chutes.....	24g, 5
Cups for railway cars.....	20c, 42
For vehicles.....	63b, 4
Smokers'.....	44b, 19
Ejectors for ships.....	65a, 21
Sifters.....	34d, 5
Trays for arc-lamps.....	21f, 19
Ashes, flue, collecting and removing.....	24g, 4-6
Removing, from furnaces.....	24g, 5
From stoves.....	36a, 7
Asparagus culture.....	45f, 1
Peeling machines for bulk treatment.....	45e, 45
For household use.....	34b, 7
Asphalt.....	80b, 25
Boilers.....	22h, 7
Lacquers.....	22h, 3
Melting apparatus.....	80a, 50
Pavements.....	19c, 3
Aspirin.....	12q, 31
Assorters: See Sorters and Sorting-machines.	
Athletic games.....	77a, 16-27
Atom-chains.....	12o, 19-21
Atomizer bottle closures.....	30k, 8
Bottles for medicines.....	30k, 8
Atomizers, fluid, for remedial purposes.....	30k, 8-10
For carbureting apparatus.....	26c, 3
For moistening the air.....	36d, 14, 15
Fuel, for explosion and internal-combustion engines.....	46c, 7
Perfume.....	30k, 9, 10
Coin-controlled.....	43b, 30
Powder, for remedial purposes.....	30k, 11
Atomizing-nozzles for absorbing, mixing, and purifying gases and vapors.....	12e, 2, 4
For moistening the air.....	36d, 14
Generally.....	85g, 3
Atophan.....	12p, 1
Attic windows.....	37c, 9
Augers, tie, portable.....	19a, 28
Aural surgery.....	30d, 28
Auramins.....	22b, 4
Autogenous cutting, processes and guide apparatus for.....	48d, 5
Autography.....	15l, 7
Autoharps.....	51c, 19, 20
Automatic cut-outs, electrolytic.....	21g, 8
Cut-outs, electromagnetic.....	21g, 7
Detonating alarms for alarm-locks.....	68a, 36
Apparatus for killing animals.....	45k, 10
Burglar-alarms.....	74a, 29
Fire-alarms.....	74a, 38
Grapples.....	35b, 7
Lighters, gas, catalytic, making.....	4e
Securing to burners of gas-lamps and hand lighting devices.....	4d, 1-3
Securing to gas-ranges.....	34a, 2
Openers and closers for umbrellas.....	33a, 6
Photographic apparatus.....	57a, 39
Renting apparatus.....	43b, 34-53
Venders.....	43b, 17-33
Automatically-closing cocks and valves for liquor-dispensing vessels.....	64c, 32, 33
Automobiles, (see also Motor-cars).....	63c
Autotypy.....	57d, 6
Awls, making.....	7e, 2
Shoemakers'.....	71c, 9
Awnings.....	37d, 26
Axes.....	69, 22
Handle-fastenings for.....	87d, 1
Making.....	71f, 5; 49g, 9
Axle bearings.....	20d, 12, 14, 16, 17; 63d, 5
Bearings for locomotives.....	20d, 12
Box guides.....	20d, 13
Boxes for railway-cars.....	20d, 13, 14



	Classification.
<b>Axle caps and fastenings for vehicle-wheels</b> .....	63d, 7
Driven pumps for compressed-air street-railway brakes.....	20f, 36
Guards.....	20d, 13
Making by forging and pressing.....	49g, 8
Pins for road-vehicle wheels.....	63d, 8
Supports for vehicles.....	63b, 43
<b>Axles, locomotive, adjustable, coupled</b> .....	20d, 7
Motor-car.....	63c, 21
Railway-car.....	20d, 6, 8-10
Vehicle-wheel.....	63d, 12
<b>Azins</b> .....	12p, 4, 6; 22c, 1-5
<b>Azo compounds</b> .....	12q, 12
Dyestuffs.....	22a, 1-11
Dyeing with.....	8m, 7
Azoles.....	12p, 8, 9
Azoxy dyestuffs.....	22a, 1-11
Compounds.....	12q, 12
Azure colors.....	32b, 4
<b>Baby carriages</b> .....	63b, 45-53
Carriers.....	34h, 5
Incubators.....	30e, 13
<b>Bacilli culture</b> .....	30h, 6
<b>Bacillus extracts</b> .....	30h, 6
<b>Backgrounds, photographic</b> .....	57c, 1
<b>Back pads for harness</b> .....	56a, 10
Supports for chairs.....	34g, 9
acks for school-benches.....	34i, 12
<b>Bacon-cutting machines for butchers</b> .....	66b, 9
For household use.....	34b, 1
<b>Bacteria culture for dairies</b> .....	53e, 6
For remedial purposes.....	30h, 6
<b>Bacteriological supplies</b> .....	30h, 14
<b>Baffles</b> .....	24k, 3
<b>Bag filters</b> .....	12d, 18
Fittings.....	3b, 2; 33b, 2
<b>Baggage carriers</b> .....	33d, 12
Cars.....	29c, 4
Holders.....	33d, 12; 63f, 2; 63g, 8
Nets for railway-cars.....	20c, 44
<b>Bags, accessories for</b> .....	33b, 13
Belt.....	33b, 2
Bow fastenings.....	33b, 4
Structures.....	33b, 3
Cartridge.....	72d, 9
Collapsible.....	33b, 7
Collection, (for churches, etc.).....	33b, 1
Document.....	33b, 2
Expandible.....	33b, 7
Feed.....	45h, 4; 56a, 19
Foot.....	33b, 2
For dressings.....	30d, 23
For money and jewelry, (to be worn around neck or on chest).....	33b, 1
Hand.....	33b, 2
Fastenings and locks for.....	33b, 11, 12
Hunting.....	33b, 2
Means for attaching game to.....	45k, 11
Interior fittings.....	33b, 2
Key.....	33b, 10
Mail.....	81c, 29
Market.....	33b, 2
Opera-glass.....	33b, 10
Paper.....	54b, 4
Closures for.....	54b, 4
For pharmaceutical purposes.....	30g, 6
Holders for.....	54g, 15
Making.....	54b, 3
Means for blowing open.....	30g, 6
Safety-locks for.....	33b, 12
School.....	33b, 2
Sleeping.....	3b, 3
Traveling.....	33b, 2
Fastenings and locks for.....	33b, 11, 12
<b>Bait, fishing</b> .....	45h, 22
Generally.....	45k, 9
Scented.....	45l, 3

	Classification.
<b>Baked bricks</b> .....	80b, 8
Goods.....	2a, 12; 2b, 15, 16; 2c, 1
Handling.....	2b, 15, 16
Making.....	2c, 1
<b>Bakelite</b> .....	39b, 8
As electric insulating material.....	21c, 2
<b>Bakers' ovens</b> .....	2a, 1-11
Ovens, furnaces for.....	24a, 13
Lighting.....	2a, 8
Peels.....	2a, 14
<b>Baking and roasting devices</b> .....	34l, 10
<b>Baking implements</b> .....	2a, 14
Machines for biscuits, hollow articles, etc.....	2a, 12
Molds.....	2a, 13
Machines for cleaning.....	2a, 14
Powder.....	2c, 2
Processes.....	2c, 1
Pans.....	2a, 12, 13; 34l, 10
<b>Balance spring regulators for clocks and watches</b> .....	83a, 23
Wheels for clocks and watches.....	83a, 23
<b>Balances, analytical</b> .....	42f, 22
Beam.....	42f, 22
Chemical.....	42f, 22
For determining specific gravity.....	42f, 23
Precision.....	42f, 22
Volumetric.....	48a, 15
<b>Balancing cocks, valves, etc.</b> .....	47g, 34
Devices for rotating masses.....	14a, 15; 47b, 28
In steam-engines.....	14a, 15
In steam turbines.....	14c, 7
Platform-scales.....	42f, 9
Shafts for centrifugal pumps.....	59b, 3
Slide-valves, generally.....	47g, 34
For steam-engines.....	14d, 11
Valve-gear.....	14f, 9
Valves.....	47g, 34
<b>Balata as electric insulating material</b> .....	21c, 2
Extracting.....	39b, 1
<b>Balconies as load-supporting structures</b> .....	37a, 1, 2
<b>Balcony railings</b> .....	37d, 3
Railings capable of being used as life-saving ladders.....	61a, 4
Supports.....	37b, 3
<b>Bale grappling hooks</b> .....	81c, 33
Ties.....	81c, 18
<b>Baling-presses</b> .....	58b, 14
<b>Ball bearings for cycle-wheels</b> .....	63d, 23
Bearings for railway-car wheels.....	20d, 15
For street-car wheels.....	63d, 14
Generally.....	47b, 12
Casters for furniture.....	34i, 24
Catching and throwing devices.....	77a, 26
Closures for dispensing vessels.....	64a, 38
Collectors, (for tennis, etc.).....	77a, 17
Couplings.....	47c, 4
Cups, (knitting).....	25a, 31
Grinding machines.....	67a, 12
Holders, twine.....	34l, 33
Joints.....	47b, 13
Mills.....	50c, 5, 6
Sorting machines.....	49b, 30
Throwing devices.....	77a, 20, 21, 26
Winding machines.....	76d, 12
<b>Ballast apparatus for airships</b> .....	77h, 15
Apparatus for ships.....	65a, 3
For railway-tracks.....	19a, 1
<b>Balloon envelops, partitioning</b> .....	77h, 4
Hangars.....	37f, 8
Material.....	77h, 4
Railways.....	20a, 4
Valves.....	77h, 4
<b>Balloons, auxiliary, (ballonnets,) for airships</b> .....	77h, 2, 3
Captive.....	77h, 1
Deflating apparatus.....	77h, 4
Equipment.....	77h, 15
Filling.....	77h, 3
Free, (without propelling mechanism).....	77h, 1
Gas-supported.....	77h, 1-4, 15
Inflating apparatus.....	77h, 3
Landing apparatus.....	77h, 15

	Classification.		Classification.
<b>Balloons, Montgolfier type</b> .....	77h, 3	<b>Barrel</b> magazines for small arms.....	72a, 24
Power, (with propelling mechanism).....	77h, 2	Organs.....	51d, 2-7
Propelling apparatus.....	77h, 6, 10-13	<b>Barrels, chemical treatment—<i>c. g.</i>, sulfuring</b> .....	6f, 2
Ripping open, apparatus for.....	77h, 4	For packing purposes.....	81c, 5, 6
Stabilizing.....	77h, 15	Generally.....	81c, 5, 6
Steering-gear.....	77h, 15	Making by rolling.....	7f, 2
Ballot-boxes.....	43a, 39	Of sheet metal.....	7c, 24
Ballots, apparatus for mixing and distributing.....	43a, 40	Of wood.....	38f, 2-5
Balls as a substitute for railway-car wheels.....	20d, 26	Protective linings for.....	81c, 5
Billiard.....	77c, 15	Removing bungs.....	64b, 29
Foot.....	77a, 18	Standard measuring attachments (disks, in-	
For games.....	77c, 6	sets, plates, plugs, etc.).....	81c, 5
Glass.....	32a, 16, 17, 24	<b>Barriers for stations to prevent crossing of tracks</b> .....	20i, 23
Golf.....	77a, 16	On street-cars to prevent crossing of tracks.....	20i, 23
Horn.....	39a, 1	Starting, for races.....	43a, 33
Metal, making by casting.....	31c, 25	<b>Bars, casting</b> .....	31c, 21
By cutting.....	49a, 48	Chain.....	47d, 15
By forging and pressing.....	49g, 10	Grate.....	24f, 3, 4
By rolling.....	7f, 6	Gymnasium.....	77a, 1, 2, 7, 8
By turning.....	49a, 7	Horizontal and parallel.....	77a, 1
Playing.....	77a, 16, 18, 19	Metal, bending and coiling.....	49, 18
For animals.....	45h, 9	Needle, for sewing-machines.....	52a, 40
With compressed air for tires.....	63e, 14	<b>Perforated and rack, for holding doors, win-</b>	
Without compressed air for tires.....	63e, 15	dows, etc., in adjusted positions.....	68d, 25
Wooden, making.....	38b, 6; 38k, 5	Toggle, for holding doors, windows, etc., in	
<b>Band brakes</b> .....	20f, 11; 47c, 17; 63b, 63	adjusted positions.....	68d, 26
Holders and rollers for roller-curtains, etc.....	34e, 7-9	<b>Base-plates for machines</b> .....	47a, 16
Iron, making by rolling.....	7a, 10	<b>Bases, nitrogenous</b> .....	12p, 15
Winding or reeling.....	7b, 5	<b>Basins, auxiliary, for canal-locks</b> .....	84b, 1
Stands.....	37f, 7	<b>Basket grates</b> .....	24f, 16
<b>Bandage containers</b> .....	30d, 23	Handles.....	81c, 10
<b>Shears</b> .....	30d, 23	Locks.....	33b, 11, 12
Winding apparatus.....	30d, 23	Making machines.....	25b, 9
<b>Bandages, catamenial</b> .....	30d, 14	<b>Baskets, bottle</b> .....	81c, 25
Electric.....	30f, 12	Coal.....	81c, 10
Material for.....	30i, 8	Flower.....	34f, 26
Menstrual.....	30d, 14	Generally.....	81c, 10
Surgical.....	30d, 7-20	Hand.....	33b, 2
Veterinary.....	30c, 7; 45h, 8	Key.....	33b, 10
<b>Bands, button</b> .....	34f, 9	Market.....	34l, 22
Cigar and cigarette.....	79b, 26	Shipping, for poultry.....	45h, 14
<b>Banisters</b> .....	37d, 3	Generally.....	81c, 10
<b>Banjos</b> .....	51c, 14	Traveling.....	33b, 8
<b>Bank-notes, bonds, etc.</b> .....	75d, 5	Waste paper.....	34f, 26
Check-marks.....	75d, 5	<b>Base-bars for stringed instruments</b> .....	51c, 5
Destroying by burning.....	24d	<b>Bassoons</b> .....	51c, 23
<b>Banks, river, etc., protecting</b> .....	84a, 2	<b>Bat-forming machines and tools (hat-making)</b> .....	41a, 1
<b>Baptismal fonts, portable</b> .....	34f, 16	<b>Bath cocks</b> .....	47g, 22-25; 85f, 1, 7
Stationary.....	37f	<b>Compounds, chemical</b> .....	30h, 11
<b>Bar drop-hammers</b> .....	49e, 5	Seats.....	34k, 4
<b>Barb-wire fences</b> .....	37d, 36	Sponges.....	34k, 1
<b>Barb-wire, making</b> .....	7d, 4	Stoves.....	36e, 1-6
<b>Barb-wire reels</b> .....	7d, 4	Towels.....	34k, 3
<b>Barbers' aprons</b> .....	33c, 9	Tubs with heating apparatus.....	36e, 6
Chairs.....	34g, 1	Without heating apparatus.....	34k, 4
Implements.....	33c, 9	<b>Water cut-off devices</b> .....	85f, 7
Lather-basins.....	33c, 9	Mixing apparatus.....	85f, 4
<b>Barbituric acid</b> .....	12p, 7	Cocks.....	85f, 1
<b>Barges</b> .....	65a, 6	Slide-valves.....	85f, 3
<b>Barium and barium compounds</b> .....	12m, 1, 2	Valves.....	85f, 2
Peroxid.....	12i, 16	Piping, fittings for.....	85f, 8
Preparation.....	40a, 47	<b>Bathing apparatus for animals</b> .....	30c, 7; 45h, 8
Electrolytic.....	40c, 5, 6	Apparatus for curative purposes.....	30f, 9-11, 15
<b>Bark-stripping machines</b> .....	38i, 1	Hydroelectric.....	30f, 15
<b>Barley, cleaning</b> .....	45e, 2, 12-22	Caps.....	3b, 25
Denaturing.....	53g, 4	Gloves.....	34k, 3
Hulling apparatus.....	45e, 2, 21	Suits.....	3b, 5
Malting.....	6a, 1	<b>Baths, carbonic acid</b> .....	30f, 9
Steamers.....	6b, 2	Cold air.....	30f, 10
<b>Barns</b> .....	37f, 2; 45e, 29	For photographic plates.....	57c, 7-9
<b>Barometers, air</b> .....	42l, 14	Galvanic, for precipitating metals.....	48a, 5, 6
Aneroid.....	42l, 15	Gas.....	30f, 10; 30h, 11
Fluid.....	42l, 14	Hot air.....	30f, 10
Gas.....	42l, 14	Hydroelectric.....	30f, 15
<b>Bar racks</b> .....	37f, 4	Jet.....	34k, 5
<b>Barrel closing devices</b> .....	64a, 50; 64c, 21-26	Moving, for electroplating.....	48a, 15
Covers, implements for lifting out.....	87a, 22	<b>Ozone</b> .....	30f, 9
Door closures.....	64a, 50	<b>Perspiration-producing</b> .....	30f, 10, 16
Head-supporting devices.....	81c, 7	Preparation, chemical.....	30h, 11
		Radium.....	30f, 18



	Classification.
<b>Baths, sand</b> .....	30f, 11
Shower, general installation.....	85f, 5
In rooms.....	34k, 5
Spraying-nozzles for.....	85f, 6
Steam.....	30f, 10
Wave, (swimming tanks).....	37f, 3
With gas-containing fluids.....	30f, 9
Batik processes.....	75c, 7
Bating hides.....	28a, 2
Batons, conductors.....	51e, 1
Batteries of primary elements.....	21b, 12
Storage.....	21b, 15-26
Thermo.....	21b, 27
Battery stands.....	21b, 12, 26
Switches.....	21c, 42, 43
Bayonet closures for bolts.....	68b, 1
Closures for lamps.....	4a, 3, 52, 53
For lids of vessels under internal pressure.....	47f, 21
For liquor-handling vessels.....	64a, 36
For trunk-locks, etc.....	33b, 11
For wooden boxes.....	81c, 3
Joints for rods.....	47a, 3
For tubes and hose.....	47f, 14
Bayonets.....	69, 28
Fastening to firearms.....	72a, 32
Beach-chairs.....	34g, 6
Beacons, floating.....	65a, 56
Signaling devices for.....	74d, 9
Bead chains, making.....	25c, 6
Grinding machines.....	67a, 21
Trimmings, making.....	25c, 7
Beads, gelatin.....	39a, 18
Glass.....	32a, 27
Papier-mâché.....	54c
Sewing on with sewing-machines.....	52a, 23
Stringing.....	25c, 6
Beam balances.....	42f, 22
Compasses.....	42a, 3
Beams, making by rolling.....	7a, 3
Bearing brasses or linings.....	47b, 9
Materials for.....	39b, 8; 47b, 9
Bearings, adjustable.....	47b, 6
As machine elements.....	47b, 4-12
Ball, for cycles.....	63d, 23
For railway-car wheels.....	20d, 15
For street-car wheels.....	63d, 15
Cooling.....	47b, 10
Crank-shaft, for cycles.....	63d, 25
For centrifugal cream separators.....	45g, 10
For centrifugal machines.....	82b, 10
For curtain-rods.....	34e, 2
For electric measuring instruments.....	21e, 24
For steam-turbines.....	14c, 10
Lubricating.....	47e, 1-3
Movable.....	47b, 5
Pressure-relieving devices for electric measur- ing instruments, including meters.....	21e, 24
Pressure-relieving devices, including mag- netic means.....	47b, 8
Propeller-shaft.....	65f, 10
Roller, for cycles.....	63d, 24
For railway-car wheels.....	20d, 15
For street-car wheels.....	63d, 15
Thrust, for ships.....	65f, 10
Yieldable.....	47d, 7
Beater mills, rotary.....	50c, 12
Openers for textile fibers.....	76b, 2
Beaters, meat.....	34b, 13; 66b, 10
Upholstery.....	34c, 9
Beating apparatus for blackboard-erasers.....	70e, 3
Apparatus for fabrics, etc.....	8e, 1
Fabrics for finishing.....	8b, 15
Machines, carpet.....	8e, 1
For corroded embroidery.....	8e, 1
For woven fabrics.....	8e, 1
Fur.....	8e, 1
Sack.....	8e, 4
Shoe-upper.....	71c, 35
Wing flying machines.....	77h, 10

	Classification.
<b>Bed airing devices connected with bedstead</b> .....	34g, 16; 34h, 2
Airing devices, independent.....	34f, 9, 26
Devices, suspended to windows.....	34f, 26
Canopies.....	34g, 20
Clothes.....	34f, 9
Covers.....	34f, 9
Feathers, cleaning, sorting, stuffing, and mak- ing from bird-feathers.....	8e, 5
Linen.....	34f, 9
Pads.....	30e, 7; 34h, 2
Pans.....	30e, 12
Bedroom stands, general structure.....	34i, 22
Stands with arrangements for washing.....	34k, 1
Tables with closet arrangements.....	34k, 10
Bed-sofas.....	34g, 12
Bedsteads.....	34g, 11
Folding.....	34g, 15
Tables.....	34i, 3
Trunks.....	33b, 8
Wetting, means to prevent.....	30d, 18
Beds.....	34g, h
Attachments for.....	34g, 16
Bath-tub.....	34g, 14
Camp.....	34g, 15
Chair.....	34g, 14
Children's.....	34h, 2
Folding.....	34, 15
Horticultural.....	45f, 1
Invalids'.....	30e, 5, 6, 9
Metal fittings for connecting parts of.....	34i, 26
Operating.....	30e, 5
Orthopedic.....	30f, 3
Ships.....	65a, 30
Sofa.....	34g, 12
Stretching, for curative gymnastics.....	30f, 3
Table.....	34g, 14
Traveling.....	34g, 15
Trunk.....	34g, 15
Wardrobe.....	34g, 13
With auxiliary appliances for invalids.....	30e, 8
Bee culture.....	45h, 15, 16
Hives.....	45h, 16
Smokers.....	45h, 16
Beer, aerating.....	6b, 20
Coolers.....	17e, 1; 17f, 2; 64c, 14
Dispensing apparatus.....	64c, 1-20
Filters.....	64c, 37
Glass cleaners.....	64b, 5, 6
Glass counters or registers.....	64a, 82-85
Holders.....	34f, 21
Stands.....	64a, 86
With advertising matter.....	54g, 1
Glasses.....	64a, 1
Heaters.....	64c, 14
Impregnating.....	6b, 20
Mug lids.....	64a, 51
Mugs.....	64a, 1
Non-alcoholic.....	6b, 21
Pasteurizing.....	6d, 1, 2
Pipes and tubes.....	64c, 1, 10, 31
Cleaning.....	64b, 7
Preserving.....	6d, 3
Pumps.....	64c, 1
Traps.....	64c, 9
Wort.....	6b, 8-15
Beet cutters.....	45e, 35-37
Graters.....	45e, 39; 89b, 3
Harvesting machines.....	45c, 6-17
Lifters.....	45c, 5, 18, 19
Presses.....	89b, 5
Slicing knives.....	89b, 4
Machines.....	89b, 1
Washers.....	45e, 22; 89a, 1
Beetling-machines for woven fabrics.....	8b, 23
Bell glasses for protection of plants.....	45f, 11
Ringing apparatus for church-bells.....	74a, 39
For railway-gates.....	20f, 20

	Classification.
<b>Bellows</b> .....	27a
For accordions.....	51c, 32
For cameras.....	57a, 10
For organs.....	51a, 3
<b>Bells, bicycle</b> .....	63g, 5, 6; 74a, 8
Church, apparatus for hanging.....	37d, 29
For ringing.....	74a, 39
Electric.....	74a, 1-6
Magnetic, for separation of materials.....	1b, 4
Mechanical.....	74a, 7-9
<b>Belt-bags</b> .....	33b, 2
<b>Belt and cable shifters</b> .....	47d, 20, 21
Change-speed and reversing gear.....	47h, 15
Closures.....	3c, 8; 44a, 27-30; 56a, 2
Connecting, tools and apparatus for.....	63a, 1
Connectors.....	47d, 9
Making of sheet metal.....	7c, 34
Conveyers for cigarette-machines.....	79b, 12
For dredges.....	84d, 5
For ore-dressing.....	1a, 29
Generally.....	81e, 1, 2
Drop-hammers.....	49e, 6
Fastenings.....	47d, 9
Making of sheet metal.....	7c, 34
Gearing, appliances to prevent noise.....	47h, 9
Coatings to prevent slipping of belts.....	22g, 5
For motor-cars.....	63c, 10
Generally.....	47h, 9
Lubricators.....	47d, 1
Presses for clay manufacture.....	80a, 19
Presses for sliced sugar-beets.....	89b, 6
Pulleys, adjustable.....	47b, 22
Pulleys, cone.....	47b, 21
Machines for molding.....	31b, 6
Making of sheet metal and tubing.....	7c, 32
Of wood.....	38f, 7
Rigid.....	47b, 21
Shifters.....	47d, 20, 21
For stopping mechanism from a distance.....	47d, 21
Springs for trusses.....	30d, 7
Stretchers.....	47d, 17; 47h, 9
<b>Belts, abdominal</b> .....	30d, 13
As articles of apparel.....	3b, 22
Cartridge.....	72d, 9
Driving.....	47d, 1-8
Hand implements for placing on pulleys.....	47d, 18
Mechanical devices for placing on pulleys.....	47d, 19
Tools and apparatus for connecting.....	63a, 1
Electric.....	30f, 12
Endless, for separating and cleaning grain.....	45e, 17
For straw-presses.....	45e, 28
For sugar-beet graters.....	89b, 3
Leather.....	28b, 20-23
Leather and fabric, making.....	28b, 20-22; 86c, 2
Hardening ends.....	25b, 20
Life-saving, for fire-escapes.....	61a, 8
Swimming.....	65a, 66-70
Sword.....	3b, 6, 22
Weaving.....	86c, 2
<b>Benches</b> .....	34g, 10
School.....	34i, 10-13
<b>Bending exercises, (curative gymnastics, ap-   ratus for</b> .....	30f, 3
Machines for barrel-staves.....	38f, 4
For metal bars, tubes, wheel-tires, etc.....	49f, 8, 10
Rail.....	49f, 8
Portable.....	19a, 28
Sheet metal.....	7c, 4
Wire.....	7d, 1
Wood.....	38f, 1
Mechanism for printing-plates.....	15c, 3
Rolls for sheet-metal working.....	7c, 5
<b>Benzene</b> .....	12o, 1; 12r, 1
<b>Benzidin</b> .....	12q, 1
<b>Benzin</b> .....	23b, 1, 4
<b>Benzoic acid</b> .....	12o, 14
Sulfimid. (saccharin).....	12o, 18
<b>Benzol</b> .....	12o, 1; 12r, 1

	Classification.
<b>Benzylidene compounds</b> .....	12o, 22
<b>Beryllium compounds</b> .....	12m, 4
Preparation.....	40a, 48
<b>Bessemer furnaces</b> .....	18b, 16-19
For copper ore.....	40a, 29
<b>Beveling edges of cards</b> .....	11h, 8
<b>Beveling hollow glassware</b> .....	67a, 18
Metal.....	49b, 3
Paper and paper-board.....	54a, 3; 54d, 2
Plate-glass.....	67a, 16
Sheet metal.....	7c, 4
<b>Bevels</b> .....	42b, 21
<b>Beverage coolers</b> .....	17f, 2
Stands.....	34i, 21
<b>Beverages</b> .....	6a-d; 45g; 53d-l, k; 85a
Non-alcoholic.....	6b, 21
<b>Bichromate cells</b> .....	21b, 11
<b>Bicycles: See also Cycles</b> .....	63, d-k
<b>Bidets</b> .....	30f, 11
<b>Bidets with syringing devices</b> .....	30k, 6
<b>Billge-water-removing apparatus for ships</b> .....	65a, 22
<b>Bill-books</b> .....	33b, 1
<b>Billiard balls</b> .....	77c, 15
Chalk holders.....	77c, 14
Cue racks and supports.....	77c, 13
Tips.....	77c, 13
Cues.....	77c, 11-13
Cushions.....	77c, 10
<b>Billiards</b> .....	77c, 8, 9
Game-counters for.....	77c, 16
Time-registering mechanism for.....	43a, 37
<b>Billing mechanism for type-writers</b> .....	15g, 35
<b>Binders as hand implements or independent   machines without gathering devices</b> .....	45e, 1
Automatic, with collecting or gathering de- vices.....	45c, 29-32
Without collecting or gathering devices.....	45e, 1
For briquet-making.....	10b, 5
On mowing-machines.....	45c, 29
<b>Binding clamps</b> .....	11e, 10, 11,
Edges, making.....	52a, 11
Sewing on sewing-machines.....	52a, 11
Material for hay and straw presses.....	45e, 25
Mechanism built into threshing-machines.....	45e, 5
For hay and straw presses.....	45e, 26
<b>Binocular glasses, trihedral</b> .....	42h, 12
<b>Bird cages</b> .....	45h, 4
Feathers, substitutes for.....	3e, 4
Skins, disinfecting.....	30f, 9
Removing fat and lime from.....	29b, 1
<b>Birds' voices, toys imitating</b> .....	77f, 6
<b>Biscuit-ware</b> .....	80b, 8
<b>Biscuits</b> .....	2a, 12; 2c, 1
<b>Bistouries</b> .....	30a, 17
<b>Bits for deep boring</b> .....	5a, 3
For draft-animals.....	56a, 11
<b>Blackboard-erasers</b> .....	70e, 3
<b>Blackboards, etc., coating materials for</b> .....	22g, 11
Stands for.....	34f, 9
Writing-surfaces for.....	70e, 2
<b>Black gunpowder</b> .....	78c, 1, 2
<b>Blades, air-propeller</b> .....	77h, 6
Hardening.....	18c, 2
Making by forging.....	49g, 9
Ships' propeller.....	65f, 3
Propeller, adjustable.....	65f, 8
Fastening.....	65f, 7
Steam-turbine, fastening.....	14c, 10
Turbine.....	14c, 1-5; 46d, 10; 88a, 1-5
(Including gas-turbines,) fastening.....	14c, 10
Making.....	49f, 7
<b>Blankets, horse</b> .....	56b, 7
For printing-presses.....	15l, 8
<b>Blanks, metal, guiding and feeding</b> .....	49b, 31
Sorting.....	49b, 30
<b>Blanks, printed</b> .....	54b, 7



	Classification.
<b>Blast furnace charging apparatus</b> .....	18a, 6
Furnace operation .....	18a, 3
Slag .....	18a, 8
Granulating .....	80a, 52
Pulverizing .....	80b, 5, 22
Structure .....	18a, 4; 37f, 7
Twyers and forms .....	18a, 5
Furnaces .....	18a, 3-7
Air-heaters for .....	18a, 11-17
Removing accretions .....	18a, 7
Pipes for locomotives .....	20b, 14
Refining in Bessemer converters .....	18b, 16
Blasting caps .....	78e, 2
Cartridges .....	78e, 5
For mining purposes .....	5b, 10
Generally .....	78e
Processes .....	78e, 1
Rock .....	84a, 1
Blau gas .....	26c, 7
Bleaching .....	8a, 1-19; 8i, 1
Agents, chemical production .....	12i, 2-4, 6, 8, 15, 16, 21
Engines, (hollanders) .....	55c, 8
Fabrics, machines for .....	8a, 6-18
Fibrous materials (paper-making) .....	55c, 1
Fluids, applying .....	8a, 1, 2
For photographic purposes .....	57b, 18
Glue .....	22i, 5
Grain, apparatus for .....	50a, 2
Textiles, apparatus for using electric current .....	8a, 5, 7, 9
Processes for using electric current .....	8i, 3
With chlorine .....	8i, 2
Bleeding, means to prevent wounds from .....	30a, 8
Blind, means for teaching writing .....	42n, 2
Timepieces for .....	83a, 17
Type-writers for .....	15g, 19
Writing apparatus for .....	70d, 13
Blinkers .....	56a, 14
Block brakes .....	47c, 17; 63b, 62
Calendars .....	11c, 6
Systems, railway .....	20i, 28, 29
Tongs for cranes .....	35b, 7
Horizontal and vertical, for charging-cranes .....	18b, 15
Turning appliances, rolling-mills .....	7a, 17
Blocking hats .....	41a, 2
Blocks, branch .....	21c, 25
Dowel .....	37b, 1
Hollow .....	37b, 1
Making .....	80a, 42; 80b, 24
Wood, making .....	38k, 2
Blood-cans, (butchering) .....	66a, 5
Blood as fertilizer .....	16, 8
Color, determining, apparatus for .....	42l, 3
Determining, optical system .....	42h, 18
Preparations .....	30h, 8
Pressure measuring devices .....	30a, 4
Stirring apparatus .....	66a, 5
Stock feed made from .....	53g, 2
Bloom presses .....	18b, 4
Welding .....	18b, 4
Blossoms, fecundating, machines for .....	45b, 22
Blotters, ink .....	70d, 1, 2
Blotting-paper in strips .....	70d, 2
Blow-guns .....	72b, 1
Blow-out magnets .....	21c; 21f, 17
Blowpipe-burners .....	4g, 44
Blowpipes for soldering purposes .....	49f, 13
Blowers .....	27c, 1-5; 27d
Centrifugal .....	27c, 4, 5
Cylinder .....	27b, 1-9
Generally .....	27a-d
Jet .....	27d, 1-3
Positive, (Root type) .....	27c, 1, 2
Root type .....	27c, 1, 2
Rotary .....	27c
With shut-off or sealing fluid .....	27c, 12
Screw .....	27c, 3
With fluid-injectors for moistening the air .....	36d, 15

	Classification.
<b>Blowing engines, compensating devices for</b> .....	14g, 11
Mechanism for organs, etc. ....	51a, 3
Off steam-boiler tubes .....	13e, 5
Out fluid-lamps, lanterns, and candles, devices for .....	4d, 24
Blue flame burners .....	4g, 9-14, 43-54
Print lamps, electric .....	21f, 9
Paper .....	57b, 11
Processes, photographic .....	57b
Stands .....	70e, 6
Prussian .....	22f, 7
Bluing bags for laundry purposes .....	8d, 2
Kilns, steam .....	80c, 8
Preparations .....	8i, 5
Boards, molding .....	31c, 8
Boat cranes .....	65a, 38-40
Detaching apparatus .....	65a, 41
Lowering apparatus .....	65a, 38
Storing .....	65a, 39
Boats .....	65c, 1-4
Collapsible .....	65c, 2
Folding .....	65c, 2
Life, closed .....	65a, 64
Open .....	65c, 1
Motor .....	65f
Propelling .....	65c, 5-11
Releasing from supports .....	65a, 41
Submarine, (including propulsion) .....	65a, 4
Bobbin brakes for spinning and twisting frames .....	76c, 15
Holders for sewing-machines .....	52a, 37
Replacing .....	86c, 24
Replacing mechanism in bobbinet machines .....	25b, 13
Bobbinet fabrics .....	25b, 14
Frames .....	25b, 11
Lace looms .....	25b, 12
Looms, appurtenances .....	25b, 13
Machines .....	25b, 1-8
For making curtains and lace .....	25b, 12
Shuttle-replacing apparatus for .....	25b, 13
Bobbins for braiding and bobbinet machines .....	25b, 2
Bob-sleighs .....	63b, 66
Bodices, laced .....	3a, 13-15
Bodkins .....	25c, 9
Type-setter's .....	15a, 10
Body bandages for invalids .....	30d, 13
Parts of, animal and human, preserving .....	45l, 1
Sterilizing .....	30i, 9
Boiler-feed regulators .....	13b, 13-17
Boiler-feed water filters .....	13b, 5
Feed-water, purifying .....	13b, 5-9
Feeding, automatic .....	13b, 10, 11
By injectors .....	13b, 12
By steam water raisers .....	13b, 10-12
Scale preventives, chemical .....	85b, 1
Mechanical .....	13b, 7
Scale registering devices .....	42c, 43
Tube leak-stoppers .....	13f, 2
Water purification, chemical .....	85b, 1
Mechanical .....	13b, 8, 9
Boilers (see also Steam-boilers) .....	13, a-g
Belleville .....	13a, 14
Bricking in .....	24k, 5
Cleaning .....	13e
Cylindrical .....	13a, 2, 4, 5
Fire-tube .....	13a, 18, 19, 22
Marine .....	13a, 21
Firing .....	24a, 1-11, 15-22
Flue .....	13a, 2-5
For central heating systems .....	36c, 10
For glue extraction .....	22i, 4
For heating purposes, firing .....	24a
Generally .....	36c, 10
For pitching casks .....	6f, 3
Heating by previously-heated substances .....	13g, 2, 3, 5
Locomotive and locomotive .....	13a, 20
Low pressure .....	36c, 10
Firing .....	24a, 12
Marine .....	13a
Milk .....	34l, 5
Root type .....	13a, 14

	Classification.		Classification.
<b>Boilers</b> , sectional, built into kitchen-ranges	36a, 18	<b>Boot straps</b>	71a, 32
Sectional, furnaces for	24a, 10	Tips	71b, 10
Water-tube	13a, 9, 13, 14, 25	With cutters for cutting wires	33d, 8
Ships'	13a	Trees	71c, 4
Size	8a, 29	<b>Booths</b> , telephone, arrangement of walls and	
Soap	23e, 1	insulations	37a, 7
Steam	13a-g	Electric arrangements	21a, 39
Tar	22h, 7	Structural arrangements	37f, 7
Vapor	2a, 2	<b>Boots and shoes</b>	71a
Water-tube	13a, 6-18	And shoes, heels and soles of	71a, 18-22
With serpentine tubes	13a, 16	Machines for making	
Wort	6b, 12, 13	71c, 12-18, 21-45, 47-55, 57, 60-64	
<b>Boiling indicators</b>	74b, 3	Removing and reinserting lasts	71c, 2
Points, determining	42i, 10	With elastic gussets	71a, 5; 71c, 63
Processes, chemical	12a, 1	Top	71a, 4
<b>Bolster-cars</b>	20c, 12	<b>Borax</b>	12j, 39
<b>Bolt closures for small-arms</b>	72a, 14, 15	<b>Bordering sheets, envelops, etc.</b>	15e, 5
Detents for locks	68a, 74	<b>Bore dust, removing</b>	5b, 13
Fastenings	47a, 9-15; 63d, 8	Holes, measuring inclination of	5d, 8
For doors and windows	68b; 68d, 19-34	Tamping	78e, 1
Heads	47a, 5	<b>Borers, breast</b>	49a, 34
Staples	68a, 79	<b>Boring and turning lathes</b>	49a, 2
<b>Bolts</b>	68b, 1-5	Deep	5a
And latches	68a, 74	Frames	5b, 8
As machine elements	47a, 5	Gun-barrels	49a, 32
Automatic	68b, 3	Heads, metal-working	49a, 43
Flush	68b, 2	Machines	5c, 3
For crossbores	72b, 3	Air-shaft	5c, 3
For safe-doors	68e, 3	Bone	66b, 14
Hook, for railway construction	19a, 8, 9, 11, 12, 22	Cork	38g, 2
Latch type	68b, 4	For brush-stocks	9, 5
Making by forging and pressing	49g, 3	For piano manufacture	51b, 43
Screw-threaded	47a, 6	Horizontal	49a, 29
Snap, for holding doors, etc., in adjusted		Metal	49a, 27, 29-32, 35, 37
positions	68d, 22	Mining	5a; 5b, 1-8, 12-15; 5c, 3
<b>Bomb-throwing apparatus</b>	77h, 15	Ordnance	49a, 32
<b>Boneblack</b>	12d, 11, 26	Projectile and gun-barrel	49a, 32
For purifying sugar-juice	89c, 13	Tunnel	19f, 1, 2
Washing machines	12d, 11, 26	Wood	38b, 4, 8
<b>Bone boring machines, butchers'</b>	66b, 14	<b>Metal cylinders</b>	49a, 31
Boring and fracturing instruments, surgical	30a, 9	<b>Pillars, etc.</b>	5b, 8
Meal for fertilizing	16, 8	Shaft	5c, 3
Saws, butchers'	66a, 8	<b>Standards</b>	5b, 8
Surgeons'	30a, 9	<b>Tubes</b>	49a, 38
<b>Bones, cleaning</b>	66b, 14	<b>Borneol</b>	12o, 25
Polishing	67a, 31	<b>Boron and boron compounds</b>	12i, 39
<b>Book backs and covers, machines for making</b>	11c, 3	Carbid	12i, 36
<b>Bookbinders' irons</b>	11c, 5	<b>Botanical-specimen boxes</b>	45f, 5
Rolls	11c, 5	<b>Botany</b>	45f, 5
<b>Bookbinding</b>	11a-d	<b>Bottle brushes</b>	9, 4
Machines	11a; 11b; 11c, 1-3	Caps, coloring with hand-tools	75c, 1
Machines for gathering signatures	11c, 2	Coloring by machine	75a, 20-22
Ornamentation	11c, 4	For dispensing	64b, 22, 23
Tools	11c, 5	Polishing	67a, 25
<b>Bookbindings</b>	11d, 2	Sheet metal, making	7c, 27
<b>Book carriers (straps, etc.)</b>	33d, 12	<b>Cases, cleaning</b>	64b, 4
Cases	34i, 16, 17	For kitchen	34l, 12
Closures and fastenings	11d, 1	Or baskets for transportation	81c, 25
Cover presses	11d, 3	<b>Cleaning</b>	64b, 1-3
Protectors	11d, 4	<b>Closure fastenings</b>	64a, 73-81
Covers	11d, 3	<b>Closures</b>	64a, 19-55, 65-72
<b>Bookkeeping forms</b>	54b, 7	For acid-containers	12f, 1
Machines with calculating apparatus	42m, 9, 20	For direct dispensing	64a, 54
Without calculating apparatus	15g, 45	For pasteurizing	6d, 1
<b>Book marks</b>	11d, 5	For pharmaceutical purposes	30g, 3
Racks	34i, 17	For removing yeast from wine	6c, 2
Stands	34i, 15	For volatile fluids	30g, 5
Supports for bookcases, etc.	34i, 17	Machines for applying safety devices against	
Typewriters	15g, 15	unauthorized opening	81b, 1
<b>Books, backs of</b>	11d, 1	Sterilizing	53b, 2
Generally	11d, 1	With filling and emptying devices	64a, 54
Hymn	11d, 1	<b>Corks</b>	64a, 18
Memorandum	11d, 1	Impregnating	35h, 6
Pattern and sample	54g, 4, 16	<b>Coverings</b>	54f, 81c, 26
<b>Boomerangs as weapons</b>	72b, 6	<b>Filling apparatus</b>	64b, 9-11, 19
<b>Boot and shoe lasts</b>	71c, 2	<b>Openers</b>	64a, 66; 64b, 25-27
<b>Boot blacking machines</b>	34c, 14	<b>Stands as furniture</b>	34i, 22
Blacking materials	22g, 5	For the kitchen	34l, 12
Boxes for hotels, etc.	34l, 22	For the table	34f, 21
Jacks	34l, 24		



	Classification.		Classification.
<b>Bottle stoppers with measuring devices</b> .....	64c, 43	<b>Boxes, ice</b> .....	17c, 2
Stoppers, various.....	64a, 18	Jewelry.....	33b, 10
Testers (leak-detectors).....	42k, 30	Junction, for electric wires.....	21c, 23
Wire.....	64a, 76; 64b, 24	Letter, domestic.....	34l, 25
<b>Bottles, apparatus for closing</b> .....	64b, 20-22	Post-office.....	81c, 28-30
Apparatus for dispensing directly from.....	64c, 15	Lock.....	34l, 21
Coffee (canteens).....	33d, 4	Locks for.....	68a, 98
Covering.....	64a, 1	Lunch.....	33b, 10
Dewar's for household uses.....	34l, 11	Mail.....	81c, 28-30
Making by treatment of glass at high tem- peratures.....	32a, 8, 15, 17, 27	Combined with signals.....	74b, 8
For storing liquefied gases.....	12f, 2	Match.....	44b, 22
Drying.....	64b, 2	Filling.....	78a, 7
Gas.....	12f, 2; 64c, 7	Making.....	38d, 3
Glue.....	70d, 4	Measuring.....	42e, 20, 27
Ink.....	70c, 6	Merchants' delivery.....	33b, 10
Inverted, (Mariotte's).....	4a, 10	Paint.....	75c, 16
Laboratory.....	42l, 13	Paper-board, making.....	54a, 1-11
Liquor-dispensing.....	64a, 1	For packing.....	81c, 13
Mariotte's.....	42l, 13	Toilet.....	33c, 12; 34l, 22
Medicine.....	30g, 3	Pen and pencil.....	70e, 12
Milk.....	30g, 9-11	Photographic plate.....	57a, 11; 57c, 6
Mucilage.....	70d, 4	Refuse, including cleaning.....	81d, 3
Nursing.....	30g, 9-12	Safety (domestic) to prevent articles from being stolen.....	34l, 24
Packing cases and materials for.....	81c, 25, 26	Savings.....	44a, 42
Packing-covers for, making, and tying bottle- heads.....	81a, 15	Scent.....	33c, 12
Paste.....	70d, 4	Sewing.....	52a, 58
Smelling.....	33c, 12	Sheet metal, for packing.....	81c, 12
Thermos.....	34l, 11	Shipping.....	81c, 1-4
Wicker-covered.....	12f, 3; 81c, 25	Suction, for paper-making.....	55d, 16
With measuring devices.....	30g, 2; 64c, 43	Wooden, making.....	38d, 2, 3
<b>Bouillon capsules</b> .....	53i, 4	Wire-bound, machines for making.....	38d, 2
<b>Boundary marks between countries or States</b> .....	19e, 3	<b>Bracelets</b> .....	44a, 33
Stones.....	19e, 3	<b>Brackets</b> .....	34f, 26
<b>Bouquet-making appliances</b> .....	45f, 6	For electric incandescent lamps.....	21f, 58
<b>Bourdon-tube pressure-gages</b> .....	42k, 8	For electric-lamp reflectors.....	21f, 55
<b>Bow-closures for bags and purses</b> .....	33b, 4	Lamp.....	4a, 24-26
For bottles.....	64a, 26, 29, 32-35, 75	<b>Braid, finishing</b> .....	8a, 2, 4, 9
Machines for applying.....	64b, 21	Trimming.....	25c, 2, 5, 10
Machines for insuring against unauthorized opening.....	81b, 1	Wire.....	25b, 7
<b>Bowed zithers</b> .....	51c, 12	<b>Braiders for sewing-machines</b> .....	52a, 52
<b>Bowling alley pins</b> .....	77c, 5	<b>Braiding</b> .....	25b, 1-10
Alleys.....	77c, 1-4	Machines.....	25b, 1-8
<b>Bows for bags and purses</b> .....	33b, 3	Wire.....	25b, 7
For shooting arrows.....	72b, 3	Needles.....	25c, 9
Stringed instrument.....	51c, 9	<b>Braille type-writers</b> .....	70d, 13
<b>Box closures</b> .....	81c, 3	<b>Brake action indicators</b> .....	20f, 47
Corner and edge gumming and covering ma- chines.....	54a, 13	And drag shoes.....	20f, 12; 20h, 5; 63b, 55
Covering and gumming machines.....	54a, 12	<b>Band couplings</b> .....	47c, 10
Labeling machines.....	81b, 2	<b>Beams and bars for vehicles</b> .....	63b, 55
Machines, paper.....	54a, 4	<b>Blocks for railway-cars</b> .....	20f, 1, 7-9
Malting.....	6a, 5	For vehicles.....	63b, 55
Magazines for small-arms.....	72a, 20	<b>Governors for engines</b> .....	60, 9
Nailing machines.....	38d, 5	<b>Lever fastening devices for cycles</b> .....	63i, 7
Openers.....	87a, 22	<b>Levers for railway-brakes</b> .....	20f, 4
Paper-board, cutting machines.....	54a, 1	For vehicles.....	63b, 54
Stamp and draw presses.....	54a, 7	<b>Locks for cycles</b> .....	63f, 9
Traps.....	81c, 18	<b>Power regulators</b> .....	20f, 49
<b>Boxes, album</b> .....	45k, 7	<b>Ring couplings</b> .....	47c, 10
As paste-supports for electrodes.....	21b, 21	<b>Setting devices</b> .....	20f, 4, 5
Ash.....	24g, 5; 34d, 4	<b>Shoes</b> .....	20f, 1, 7-9, 12; 63b, 55
Bedding-plant.....	45f, 9	For railway-cars.....	20f, 12; 20h, 5
Boot, for hotels, etc.....	34l, 22	For vehicles.....	63b, 55
Building-block.....	77f, 23	<b>Brakes, air</b> .....	20f, 3, 26-42
Cash.....	68e, 2	Air, electrically operated.....	20l, 29
Casting, (flasks).....	31c, 8	As machine elements.....	47c, 17
Cigar.....	81c, 1-4	Automatic.....	20f, 22, 25; 63i, 6
Cooling.....	17c, 3	Axial pressure, for pulley-blocks and wind- lasses.....	35c, 7
Core.....	31c, 8	<b>Back-pedaling</b> .....	63i, 8-12
Distributing, for electric wires.....	21c, 23	<b>Back-stop</b> .....	20f, 21
Flower, attachable to window.....	34e, 19	With sanding devices.....	20f, 5
Gardeners'.....	45f, 7	<b>Block or shoe</b> .....	47c, 17; 63b, 62
As part of furniture.....	34f, 6	<b>Bobbin, for spinning and twisting frames</b> .....	76c, 15
Folding, (collapsible), for packing.....	81c, 14	<b>Buffer-operated</b> .....	20f, 19
For transportation.....	81c, 1-4	<b>Centrifugal, for hoisting apparatus</b> .....	35c, 6
Hat.....	33b, 9	<b>Compressed air</b> .....	20f, 26-34, 36, 38, 39
		For hoisting apparatus.....	35c, 3
		For railways.....	20f, 26-34, 38-40
		For vehicles.....	63b, 64

	Classification.		Classification.
<b>Brakes, counterweight, for railway cars.</b> .....	20f, 17	<b>Branding implements and machines for use in</b>	
Cycle.....	63i	pyrography.....	75a, 1
Double compressed air.....	20f, 33	Brandy.....	6b, 22, 23; 6c, 3
Drag-shoe, for cycles.....	63i, 1	"Braunschliif," (disintegrated steamed wood for	
Electric.....	20f, 37; 20l, 28, 29	paper-making).....	55b, 1
Electromagnetic.....	20f, 44	Bread baking apparatus.....	2a
Emergency.....	20f, 48	Crimping devices.....	2b, 11
Fan.....	20f, 13	Cutting machines.....	34b, 2, 6
For adjustable axles.....	20f, 9	Health.....	30h, 3
For cable railways.....	20f, 22	Holders to facilitate cutting.....	34b, 2
For centrifugal machines.....	82b, 12	Knives.....	34b, 6
For continuous-current dynamos.....	21d, 14	Preparations.....	53k, 2
For cross-country railways.....	20f, 7	Preservation.....	53c, 5
For cylinders of printing presses.....	15d, 11	Processes for making.....	2c, 1
For door checks.....	68d, 10-15, 17	For wrapping in protective paper casings.....	81c, 22
For draft regulators.....	24i, 3	Receptacles for the kitchen.....	34l, 21
For electric railways.....	20l, 28, 29	For the table.....	34f, 21
For fire-escape apparatus.....	61a, 7, 8	For transportation.....	81c, 22
For groups of cars, (group brakes).....	20f, 17	Wrappers baked with the dough.....	2b, 7
For hand carts.....	63b, 56	Breaking down apparatus, miners'.....	5b, 10
For hoists.....	35c, 3-7	(Grinding) machines, clay.....	80a, 2
For horse-drawn street cars.....	20f, 36	Machines, flax.....	29a, 2
For motor cars.....	63c, 23	For pig iron.....	49b, 16
For perambulators.....	63b, 56	Strength-testing machines.....	42k, 21
For photographic shutters.....	57a, 32	Breast armor for fencing.....	77a, 23
For pulley blocks.....	35c, 3, 5-7	Bands for harness.....	56a, 8
For railway trucks.....	20f, 9	Drills, metal-working.....	49a, 34
For roller skates.....	77b, 19	Woodworking.....	38e, 2
For sleds.....	63b, 69	Pins.....	44a, 32
For steam engines.....	14g, 3	Breath interceptors ( <i>Hauchfang</i> ) for barbers and	
For tricycles.....	63i	hairdressers.....	33c, 9
For windlasses.....	35c, 3-7	Breathing apparatus, free air.....	30k, 13
Friction.....	20f, 18	Apparatus for life-savers.....	61a, 19
Generally.....	47c, 17	To produce narcosis.....	30k, 14
Gripper.....	20f, 10	Artificial, apparatus for.....	30f, 5
Hand.....	20f, 2, 3, 16	Bags for fire fighters.....	61a, 19
For hoisting apparatus.....	35c, 3	Chambers, pneumatic.....	30k, 13
Hydraulic.....	20f, 43; 63b, 64	Exercise apparatus.....	30f, 5
Liquid.....	68d, 11, 12	Masks.....	30k, 14; 61a, 19
Locomotive.....	20f, 45	Breeching (harness).....	56a, 20
Mixed electric, for electric railways.....	20l, 29	Brewers' pitch.....	22h, 8
Power-storing, for railway cars.....	20h, 3	Brewing.....	6a, b, d, f
For vehicles.....	63b, 65	Kettles.....	6b, 12, 13
Generally.....	47c, 17	Processes.....	6b, 8
Purely electric, for electric railways.....	20l, 28	Brick carrying appliances.....	81e, 34
Railway.....	20f	Chutes.....	37e, 13
Adjusting devices for.....	20f, 6	Cleaning machines.....	37e, 13
Ratchet, for pulley blocks and windlasses.....	35c, 5	Cutters.....	80a, 35-41
Recoil gun.....	72c, 9	Kilns.....	80c
Release by signal.....	20l, 33-35	Molding machines.....	80a, 28
Sliding.....	61a, 8	Pavements.....	19c, 2
Slipper, for railway cars.....	20f, 12	Presses.....	80a, 20-22, 30
Snow shoe.....	77b, 15	Oil and water supplying apparatus for.....	80a, 30
Spindle, for spinning and twisting frames.....	76c, 14	Sanding apparatus for.....	80a, 30
Spring-applied.....	20f, 14	Yards.....	80a, 80c
Stilt.....	63b, 59	Bricking in steam-boilers.....	24k, 5
Street-railway.....	20f, 36, 42	Bricks.....	80b, 8
Switching hand.....	20f, 7	Applying engobe.....	80a, 55
Track.....	20h, 4	Cutting off rough edges, apparatus for.....	80a, 38
Two-car, (group).....	20f, 17	Facing, making, of clay, cement, gypsum	
Two-chamber air.....	20f, 33, 34	etc.....	80b, 14
Utilizing work done by.....	20h, 3; 20l, 2; 47c, 17; 63b, 65; 63k, 8	As structural elements.....	37b, 1
Vacuum.....	20f, 35	For coking-ovens.....	10a, 13
Vehicle.....	63b, 54-64	Hollow.....	37b, 1
With means for storing up energy.....	63b, 65	Making.....	80a, 42; 80b, 24
Wedge.....	20f, 12	Slag.....	80a, 52; 80b, 22
Wheel.....	20f, 8	Bricks and tiles, compositions for.....	80b, 8, 10, 14, 22
<b>Braking apparatus for printing telegraphs</b> .....	21a, 14	As structural elements.....	37b, 1
Devices for electric measuring instruments.....	21e, 23	Drying apparatus for.....	82a, 1-22
For geodetic measuring instruments.....	42c, 43	Combined with kilns.....	80c, 15
For pulley blocks and windlasses, including		Glazing.....	80a, 54
those controlled electrically or by a pres-		Making.....	80a, 20-22, 30, 35-42, 54, 55
sure medium.....	35c, 3	As far as compositions are concerned.....	80b, 8, 10, 14, 23, 24
For roller shutters and roller curtains.....	34e, 7, 8	Molding-machines for.....	80a, 28
For steam engines.....	14g, 3	Molds.....	80a, 46
For threshing machines.....	45e, 3	Presses for.....	80a, 20-22, 30
<b>Branch blocks</b> .....	21c, 25	Bridge building.....	19d
Boxes.....	21c, 21, 25	Canals.....	19d
		Pillars or piers.....	19d, 3



	Classification.
<b>Bridge plates, joints with</b> .....	19a, 18
Plates for main and secondary railways.....	19a, 18
Roadways.....	19d, 3
Supports.....	19d, 3
<b>Bridges, arched</b> .....	19d, 3
Balance.....	19d, 5
Building from parts of railway-cars.....	20c, 8
Cantilever.....	19d, 3
Concrete.....	19d, 1
Crane-post.....	19d, 5
Drainage of.....	19d, 1-3
Draw.....	19d, 5
Emergency.....	19d, 6
Fire.....	24k, 2
Floating.....	19d, 6
Folding.....	19d, 5
Foot.....	19d
For artificial teeth.....	30b, 13
For stringed instruments.....	51c, 7
Girder.....	19d, 3
Iron.....	19d, 3
Lifting.....	19d, 5
Military.....	19d, 6
Movable.....	19d, 5
Pontoon.....	19d, 6
Portable.....	19d, 6
Railway-station foot.....	19d, 5
Reinforced concrete.....	19d, 1
Rolling.....	19d, 5
Rotary.....	19d, 5
Stone.....	19d, 1
Suspension.....	19d, 4
Temporary.....	19d, 6
Tow-path.....	19d, 1-3
Tubular.....	19d, 3
Turning.....	19d, 5
Wooden.....	19d, 2
<b>Bridles and bridle-bits</b> .....	56a, 11, 12
<b>Brines, condensing</b> .....	12l, 1
Purifying.....	12l, 2
<b>Briquet cutters</b> .....	80a, 24
Presses.....	80a, 24
Stoves.....	36a, 4
<b>Briquets as fuel</b> .....	10b, 1-9
Comminuting apparatus for.....	80a, 24
Making, drying, and cooling.....	10b, 9
Packing.....	81a, 10
<b>Briquetting</b> .....	10b, 1-9; 18a, 2; 80a, 24
Fuel.....	10b, 1-9
Iron ore.....	18a, 2
<b>Bristle-trimming machines</b> .....	9, 6
<b>Bristles, artificial</b> .....	9, 8
Fastening in brooms and brushes.....	9, 2, 5
In paint-brushes.....	9, 1
Treating.....	9, 14
<b>Brocade-looms</b> .....	86c, 11
Brocading.....	86c, 11
Broilers.....	34l, 10
<b>Bromin and bromin compounds</b> .....	12i, 9
Compounds, organic.....	12o, 2
<b>Bronze</b> .....	40b, 1, 2; 40c, 14, 15
Aluminium.....	40b, 2
Fluid.....	22g, 2
Manufacture.....	49i, 1
Powder.....	22f, 13
Printing.....	15k, 5
<b>Bronzing implements</b> .....	75c, 22
Liquids.....	22g, 2
Machines.....	15e, 4
Processes.....	75c, 3
Brooches.....	44a, 32
<b>Brooding apparatus for poultry</b> .....	45h, 13
<b>Broom and brush making</b> .....	9, 1-23
Brooms, making.....	9, 2
Brown coal, (lignite,) coking.....	10a
<b>Brusing-mills</b> .....	50b
<b>Brush body boring machines</b> .....	9, 5
Couplings.....	47c, 14

	Classification.
<b>Brush holders for current-collecting brushes</b> .....	21d, 22
Holdes for rotary brushes.....	9, 10
Making.....	9, 1-23
<b>Rockers of current-collecting brushes</b> .....	21d, 22
Sifting machines.....	50d, 2
Trimming machines.....	9, 6
<b>Brushes</b> .....	9, 1-23
Anode.....	45a, 15
Artists'.....	9, 13
Barrel-cleaning.....	9, 4
Bottle-cleaning.....	9, 4; 64b, 1
Carpet.....	34c, 8
Chimney-sweepers'.....	24h, 3
Circular.....	9, 15
Cleaning.....	9, 7, 14
Clothes.....	9, 3
Drawing.....	9, 13
Electric.....	9, 22; 30f, 13
Current-collecting.....	21d, 21
Floor-polishing.....	9, 23
For applying fluids (bleaching, dyeing, etc.) to fibrous materials.....	8a, 2
For cleaning chimney-tubes.....	24g, 4
Exterior of ships' hulls.....	65a, 28
Fire tubes and flues.....	24g, 4
Pipes and tubes.....	13e, 2; 24g, 4; 85e, 18
Sewer-pipes.....	85e, 18
<b>For grain-scouring machines</b> .....	50a, 6
Folding.....	9, 20
Furniture.....	9, 3
Glass.....	9, 4
Hair.....	9, 3, 15
Cleaning.....	33c, 8
Hand.....	9, 3
Hat.....	9, 3
Inserting bristles in.....	9, 5
Leather-daubing.....	9, 9
Machines for trimming.....	9, 6
Nail.....	9, 21
<b>On seeding-machines</b> .....	45b, 16
Paint.....	9, 11, 13, 16, 17
Cleaning.....	75c, 28
Machines for trimming.....	9, 6
Pocket.....	9, 20
Polishing.....	9, 3
Ruling.....	9, 13
Scrub.....	9, 4, 10, 23
Shaving.....	9, 12
Shoe-polishing.....	9, 9
Sifting, for sifting-machines.....	50d, 6
Steam-boiler cleaning.....	13e, 2; 24g, 4
Table.....	34c, 6
Making.....	9, 3
Tooth.....	9, 21
Used in liquor-handling industry.....	64b, 1, 5, 8
Wire.....	9, 19
With cases.....	9, 18
With dust-sucking devices.....	9, 22
With fluid-containers.....	9, 17
<b>Brushing-machines for carpets</b> .....	34c, 8
For cleaning and polishing shoes.....	34c, 14
Exterior of ships' hulls.....	65a, 28
Flexible tubes.....	8e, 4
Sacks.....	8e, 4
For fabrics, (cleaning and renovating) (cloth-finishing).....	8e, 2
For floors.....	8b, 15
For leather.....	34c, 5
For polishing castings.....	28b, 16
For polishing castings.....	31c, 32
<b>Bub, (artificial yeast,) preparation</b> .....	6a, 14
<b>Bucket chain propellers for ships</b> .....	65f, 17
Conveyors and elevators.....	81e, 6-13
With pivoted buckets.....	81e, 6
Elevators.....	35a, 7; 81e, 6-12
Pumps.....	59d, 1
For lubricating-oil.....	47e, 26
Wheel dredges.....	84d, 1
Wheels.....	59d, 2

	Classification.		Classification.
<b>Buckets</b> .....	34l, 21	<b>Burners</b> .....	4g
Fire-extinguishing .....	61a, 11	Acetylene-gas .....	4g, 42
Furnace-slag .....	18a, 9	Air-gas .....	4g, 22
<b>Buckles</b> .....	44a, 27-30; 56a, 2; 56b, 8	Alcohol-vapor .....	4g, 30
For saddles .....	56b, 8	Wick .....	4g, 5
Harness .....	56a, 2	Argand .....	4g, 39
Making of sheet metal .....	7c, 45	Gas .....	4g, 39
Of wire .....	7d, 14	Bat's-wing .....	4g, 38
Suspender .....	3b, 17	Blast-lamp, including those used for soldering, welding, and cutting metal .....	4g, 44
<b>Bud-protectors against gnawing</b> .....	45f, 11	Blow-pipe .....	4g, 44
<b>Buddles</b> .....	1a, 13, 14	Blue-flame gas .....	4g, 44
<b>Buffer brakes</b> .....	20f, 19	Bunsen .....	4g, 23-36, 43-54
Cars .....	20c, 17	Coal-oil incandescent .....	4g, 9-14, 34-37
Mechanism, railway .....	20e, 23, 25	Wick-light .....	4g, 1-37
Motors for equalizing loads .....	21d, 26, 47	Compressed air and compressed gas .....	4g, 43
Posts .....	20g, 8	For burning off incandescent mantles .....	4f, 5
Springs, shock-absorbing .....	20e, 25	For coke-ovens .....	10a, 5
Supporting .....	20d, 22	For coking apparatus .....	34l, 9
<b>Buffers, making</b> .....	49g, 8	For cutting metals .....	4g, 7, 44
Rubber for railway rolling-stock .....	20d, 22	For heating soldering-irons .....	4g, 44
Generally .....	47a, 17	For liquid-fuel furnaces .....	24b
<b>Buhr-mills</b> .....	50b, 2	For vaporizing .....	4g, 23-37
<b>Builders' elevators</b> .....	35a, 4	Gas-furnace .....	24c, 10
<b>Building blocks, toy</b> .....	77f, 23	Gas-lamp .....	4g, 38-55
Bridge .....	19d	Heating .....	4g, 5, 6, 30-33, 51, 52
Canal .....	84a, 5	Illuminating-gas .....	4g, 38-42
Dike .....	84a, 4	Incandescent gas-lamp .....	4g
Harbor .....	84a, 5	Inverted .....	4g, 35, 54
Lock .....	84a, 3	Inverted incandescent gas .....	4g, 54
Material .....	37b, 2	Lamp .....	4g
Plates .....	37b, 2	Shock-absorbers for .....	4a, 22
Railway .....	19a, d-f	Lime-light .....	4g, 45
Slabs .....	37b, 2	Luminous .....	4g, 1-4, 28, 38, 42
Sluice .....	84a, 3	Oil-lamp .....	4g, 1-37
Tunnel .....	19f	Oil-vapor .....	4g, 37
Weir .....	84a, 3	For furnaces .....	24b, 2
<b>Buildings, agricultural</b> .....	37f, 2	Oxyhydrogen .....	4g, 44
Collapsible .....	37f, 4	Pan .....	4g, 7
Construction .....	37a-f	Railway-car lamp .....	4g, 4, 41
Finishing .....	37d, 39, 40	Slit .....	4g, 38
For games and amusements .....	37f, 1	Smoldering .....	4g, 21
Heating .....	36a-c	Torch .....	4g, 2, 15-20
Electric .....	21h, 5	Tray, trough .....	4g, 8
Interior and exterior finishing .....	37d	Vapor .....	4g, 23-33
Moving, apparatus for .....	37e, 12	For soldering-lamps .....	4g, 29
Portable .....	37f, 4	Incandescent .....	4g, 34-36
Transmission of moisture, heat, sound, etc., protection from .....	37a, 7	Welding .....	4g, 7, 44
<b>Bulb-forming machines for sheet-metal working</b> .....	7c, 5	Wick blue-flame .....	4g, 9-14
<b>Bulk, piling material in, mechanism for</b> .....	81e, 32	Wick-light .....	4g, 1-4
<b>Bulkheads and bulkhead-doors</b> .....	65a, 19	Zirconium light .....	4g, 45
<b>Bull-headed fish-plates</b> .....	19a, 19	<b>Burning lime, cement, etc., kilns for</b> .....	80c, 12-14
<b>Bullet-catchers for targets</b> .....	72e, 1	Processes .....	80b, 3, 8
<b>Bundle-formers, hay, with gathering devices</b> .....	45c, 37	<b>Burnishing compositions, rust-preventing</b> .....	48d, 4
<b>Bung closures</b> .....	64c, 26	Devices for photographic purposes .....	57c, 12, 13
Extractors .....	64b, 29	Irons, shoemakers' .....	71c, 11
Hole bushings, tools for screwing in .....	64c, 45	Machines for parts of shoes .....	71c, 56, 57
Holes, making .....	38f, 6	For photographs .....	57c, 12
<b>Bungs</b> .....	64f, 4; 64c, 21-26	Tools, shoemakers' .....	71c, 56
Fermentation .....	6f, 4	<b>Burring-machines for textile fibers</b> .....	76b, 4
For barrels .....	64c, 21-26	<b>Bushings for bung and tap holes</b> .....	64c, 26
Wooden, making .....	38f, 6	<b>Bust forms</b> .....	3d, 3
<b>Buoyancy-motors</b> .....	88b, 4	Pads .....	3a, 12
<b>Buoys, acoustic signaling devices for</b> .....	74d, 1-6	Supporters .....	3a, 14
For marine signaling .....	65a, 63	<b>Butcher-knives</b> .....	66a, 8
For optical signaling .....	74d, 8, 9	<b>Butchering</b> .....	66a
Life .....	65a, 66-70	<b>Butchers' implements</b> .....	66a, 8
<b>Bur planes</b> .....	38e, 3	<b>But hinges</b> .....	68c
Saws .....	38a, 10	<b>Butter, artificial</b> .....	53b, 1, 2
<b>Bureaus or dressers</b> .....	34i, 18	Barrels .....	81c, 5, 6
<b>Burettes</b> .....	42l, 3	Chemical testing processes .....	53e, 6
Absorption, for gas analysis .....	42l, 4	Dishes, covered .....	34f, 20
<b>Burglar alarms</b> .....	74a, 21-29	Machines .....	45g, 16-22
Traps for safes .....	68e, 5	Makers, rotary .....	45g, 21
<b>Burial apparatus</b> .....	30e, 16-19	Making, chemical and electric features .....	53e, 6
<b>Burner disk extinguishers, mechanical</b> .....	4d, 21	Mechanical features .....	45g, 15
Heads for incandescent gas-light burners .....	4g, 50	Molding machines .....	45g, 25
For vapor-burners .....	4g, 25	Preserving .....	53e, 6
Nozzles, cleaning .....	4g, 24, 46	Testers .....	42l, 5
Pans, open, for furnaces .....	24b, 5	Testing processes .....	53e, 6



	Classification.		Classification.
<b>Butter-working machines</b> .....	45g, 23	<b>Caffen</b> .....	12p, 7
Button bands for bed-covers.....	34f, 9	Extracting from coffee.....	12p, 11
Cards.....	44a, 20	Cages, animal.....	45h, 1, 14
Cards, machines for fastening buttons to.....	81a, 12	For poultry.....	45h, 14
Cleaning implements.....	34c, 13	Caissons.....	84c, 3
Eyelet, fasteners for.....	71c, 61	Cake-cutting machines, bakers'.....	2b, 15
Fastening pliers.....	3c, 10; 71c, 61	For household use.....	34b, 2
Fastenings.....	44a, 6-14	Calcinig, generally.....	12b
For shoes.....	71b, 5	Calcium carbid.....	12i, 36
Buttonhole barring machines.....	52a, 19	Chlorid.....	12i, 6
Cutting machines.....	52a, 20	Compounds.....	12m, 2
Scissors.....	69, 3	Cyanamid.....	16, 14
Sewing machines.....	52a, 17-20	Preparation.....	40a, 47
Buttonholes.....	3c, 3	Electrolytic.....	40c, 5, 6
Button-protectors, for protecting buttons while being cleaned.....	34c, 13	Salts.....	12m, 2
Buttons.....	44a, 1-5, 15-19	Sulfid.....	12i, 13, 19
Collar.....	44a, 15	Calculating apparatus for computing interest, etc.....	42m, 19
Cuff.....	44a, 18	Apparatus for type-writers.....	42m, 10
Fabric.....	44a, 1, 2	Machines.....	42m, 7-9, 11-16
Hinged leaf.....	44a, 16, 17	Electric.....	42m, 8
Making of horn, etc.....	39a, 5-7	Russian, (abaci).....	42n, 3
Of sheet metal.....	7c, 29	Mechanism for cash-registers.....	42m
Of wire.....	7d, 14	Tables.....	42m, 18
Polishing.....	67a, 24	Calculus-removers.....	30a, 11
Snap.....	3c, 2	Calendar-clocks.....	83a, 78
Making.....	7c, 29; 7d, 14	Calendars for advertising purposes.....	54g, 4
Thread, machines for covering.....	25c, 1, 11	Calendars, block.....	11e, 6
Making on sewing-machines.....	52a, 58	Clockwork type.....	83a, 78
On embroidering-machines.....	52b, 10	Coin-controlled.....	43b, 57
Tuft.....	44a, 3	Combined with pencils or penholders.....	70a, 7
Buttoners, collar, glove, shoe, etc.....	33c, 10	Perpetual.....	42n, 12
Buzzer apparatus for telephone-stations.....	21a, 42	Shiftable.....	83a, 78
By-pass valves for gas-purifiers.....	26d, 7	Wall.....	54b, 7
Cabinets and cases for drawings.....	34i, 16	Calender-rolls.....	8b, 20
Comprising bath-tubs.....	34i, 22	Calendering-machines, sliver.....	76b, 29
Delivery, for advertising purposes.....	54g, 13	Calenders for ornamenting paper.....	54d, 1
For talking-machine records.....	42g, 19	For paper-making.....	55e, 1
Heating, heat-retaining.....	42i, 12	For textile fabrics.....	8b, 19, 21
Music.....	34i, 16, 22	Laundry.....	8d, 19
With screen-doors.....	34i, 22; 34i, 21	Caliber-gages.....	42b, 17
Cable change-speed and reversing gear.....	47h, 16	Calibrating tubing.....	7b, 14
Conduits.....	21c, 19	Caliper-compasses.....	42a, 1
Connections.....	21c, 20, 21	Calipers.....	42b, 9
Coverings, making.....	7b, 11	For measuring trees.....	42b, 13
Drying apparatus.....	21c, 7	Calk-plates.....	45i, 12
Grippers.....	20a, 18-20	Calks.....	45i, 7-10
Impregnating apparatus.....	21c, 7	Screw.....	45i, 7
Pits.....	21c, 19	Separable from horseshoe.....	45i, 8
Shifters.....	47d, 20	Calming waves.....	65a, 79
Sockets.....	21c, 21	Calorifiers.....	36c, 8
Street-railways.....	20a, 13	Calorimeters.....	42i, 16, 17
Brakes for.....	20f, 22	Cam-gear.....	47h, 2
Wagons for cable-laying, etc.....	21c, 8	Cameos of artificial-stone compositions.....	80b, 21
Cables, air insulation.....	21c, 5	Cameras, detective or concealed.....	57a, 7
Capacity and self-induction, influencing.....	21c, 5	Double.....	57a, 4
Conduits for.....	21c, 19	Film.....	57a, 22, 24
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Mechanical features.....	39a, 14-17, 22	Tracks, (loop the loop, etc.).....	77g, 7
Cellulose.....	55b, 1	Wheels for fertilizer-scattering machines.....	45b, 30
Acetyl.....	12o, 6; 29b, 3	For potato-harvesting machines.....	45c, 13-15
Esters.....	12o, 6	Ceratometers.....	42h, 32
Preparation.....	40a, 51	Ceresin.....	23b, 3
Electrolytic.....	40c, 5, 6	Cerium compounds.....	12m, 9
Extracting from wood, rags, tobacco-ribs, etc.....	55b, 1	Cesspools.....	85e, 9-11
For artificial silk.....	29b, 3	Construction.....	37f, 6
Nitro.....	78c, 6, 12	Emptying.....	85e, 2
Oxy.....	12o, 6	Ventilating.....	85e, 5
Separators for paper-making.....	55c, 11	Chaff-cutters.....	45e, 32-34
Synthetic derivatives.....	12o, 6	Chain casings as fixed parts of cycle-frame.....	63h, 1
Xanthogenate.....	12o, 6, 23; 29b, 3	Casings as separate parts of cycles.....	63g, 9
Cement.....	80a, 7; 80b, 3	For motor-vehicles.....	63c, 10
Cycle-tire.....	22i, 1	Drive for motor-cars.....	63c, 10
Hoof.....	45i, 16	Elevators.....	81e, 13
Magnesia, (Sorel).....	80b, 4	Fastenings as machine elements.....	47d, 15
Portland, Roman, etc.....	80b, 3	Easily releasable, for animals.....	45h, 2
Processes for burning.....	80b, 3	Jewelry.....	44a, 36, 37, 41
Rubber.....	22i, 1	Gearing for motor-cars.....	63c, 10
Slabs.....	37b, 2	Grates.....	24f, 15
Cementation processes.....	18c, 3	Links for stretching-chains of web-stretching machines.....	8b, 6
Cementing malleable iron.....	18c, 8	Lubricators.....	47e, 35
Center marking devices, (metal-working).....	49a, 58	Scales.....	42f, 2
Punch-point-grinding apparatus.....	67a, 31	Stitch sewing-machines.....	52a, 2, 3
Centering devices for starting bores.....	49a, 57	Stretchers.....	47d, 17
Devices, generally.....	42b, 23	Tighteners for cycle-driving mechanism.....	63k, 28
With marking appliances.....	49a, 58	For motor-cars.....	63c, 10
Centering for construction of arches, etc., <i>in situ</i> .....	37e, 11	Towage.....	65a, 52
For construction of ceilings.....	37e, 10	Chains as machine elements.....	47d, 13-15
Supports.....	37e, 9, 10	Carrying, making.....	49h
Centers, lathe.....	49a, 22	Cattle.....	45h, 2
Central heating systems.....	36c, 1-11	Clamp, for web stretching and drying machines.....	8b, 6
Lubricating apparatus.....	47e, 27-29	Connecting devices for.....	47d, 15
Station alarms, electric.....	74a, 13	Drag.....	81e, 3
Switch mechanism.....	20i, 1	Driving.....	47d, 13, 14
		For cleaning bottles, etc.....	64b, 3
		For cycles.....	63k, 29

	Classification.		Classification.
<b>Chains, jewelry and ornamental</b> .....	44a, 39	<b>Charging pump governors for gas and air engines</b> .....	46b, 17
Jewelry and ornamental, appliances to prevent theft.....	44a, 41	Pump governors for liquid-fuel engines.....	46b, 18
Making, including soldering or welding.....	49h, 8	Pumps, operation and forms of construction.....	46a, 12-16, 18
Load-supporting, making.....	49h, 1-4	Valve-gear for.....	46b, 1-6
Making.....	49h	Shovels with spring-scale on handle.....	42f, 31
By casting.....	31c, 25, 26	Switches, electric, for storage batteries.....	21c, 44
Ornamental.....	44a, 39	Charts, color.....	75c, 11
Safety, combined with signals.....	74a, 22	Sea.....	42n, 7
For doors.....	68b, 8	With advertising-matter.....	54g, 4
Watch.....	44a, 39	Chases for type-setting.....	15a, 5
Welding.....	49h, 1, 3	Check balls for cash-registers.....	43a, 4
Electric.....	49h, 5	Locks.....	68a, 32, 33, 93
Chair-ladders.....	34i, 23	Marks for bank-notes and securities.....	75d, 5
Chairs.....	34g, 1-10	Valves.....	4c, 18; 47g, 8
Arm.....	34g, 1	Checking mechanism, check-controlled, for cash-registers.....	43a, 11
Attachments.....	34g, 9	For carriage-stands.....	43a, 42
Barbers'.....	34g, 1	For control of loading of tipping cars.....	43a, 42
Bath.....	34k, 1	For working conditions of machinery.....	43a, 42
Beach.....	34g, 6	Checks, workmen's time.....	43a, 25
Cabin.....	65a, 31	Cheese cutters.....	34b, 4
Camp.....	34g, 6	Dishes, covered.....	34f, 20
Children's, including roller type.....	34h, 1	Making, chemical features.....	53e, 6
Collapsible.....	34g, 6	Mechanical features.....	45g, 24
Confessional.....	34g, 10	Molding machines.....	45g, 25
Dentists'.....	30e, 15	Preserving.....	53e, 6
Easy.....	34g, 1	Storing and shipping.....	45g, 24
Fittings and mountings.....	34i, 28	Chemical balances.....	42f, 22
Folding.....	34g, 6	Chemistry.....	12a-r; 42l
Hair-dressers'.....	34g, 1	Electro.....	12h
Invalids'.....	30e, 4	Metallurgical.....	10a-c; 18a-c; 24e; 40a-c; 48a-d
Nursery.....	34h, 1	Of dyestuffs.....	8i-n; 22a-i
Office.....	34g, 3	Of fermentation.....	6a-e
Operating, including dental.....	30e, 15	Of foodstuffs.....	53a-k
Revolving.....	34g, 4	Chenille.....	25c, 8
Rocking.....	34g, 2	Weaving.....	86d, 3
Sewing-machine.....	52a, 57	Chess games.....	77d, 7
Structural elements.....	34g, 8	Chests, ice.....	17c, 2-4
Theater.....	34g, 5	Making, (see also Boxes).....	38d, 2
Traveling.....	34g, 6	Chewing-gum.....	79a, 7
Wheel, invalids'.....	30e, 4	Chemical preparation.....	53f, 3
With coin-controlled mechanism.....	43b, 53	Chicken-housings.....	45h, 12
With means for protecting occupant from rain.....	34g, 7	Chicory-cutting machines.....	53d, 5
Chalk.....	12m, 2; 22f, 6	Children's beds.....	34h, 2
And chalk-holders for billiards.....	77c, 14	Chairs.....	34h, 1
Holders for blackboards, etc.....	70a, 2	Cycle-seats.....	63g, 4
Lines and cases for.....	75c, 27	Furniture.....	34h, 1-3
Chambers, bedroom.....	34k, 10	Keyboards for pianos.....	51b, 17
Chamois-tanning processes.....	28a, 3	Leading-strings.....	34h, 5
Chamotte.....	80b, 8	Slates.....	70e, 1
Champagnes.....	6c, 1	Swings.....	34h, 4
Change boxes, photographic.....	57a, 13	Tables.....	34h, 2
Speed gearing for motor-cars.....	63c, 6-10	Chilled castings, making.....	31c, 16
For motor-cycles.....	63k, 25	Chimes.....	51c, 38; 51d, 19
For rider-propelled vehicles.....	63k, 13-21	Chimney caps and cowls.....	36d, 9-11
Speed and reversing gearing, generally.....	47h, 12-19	Chimber scaffolds.....	37e, 6
Changing devices for photographic cameras.....	57a, 13-21	Supports.....	34i, 21
Channeling apparatus for shoemaking.....	71c, 31, 34	Sweeping implements.....	24g, 3
Machines for extracting minerals.....	5b, 9	Chimneys.....	24g, 1, 2; 37f, 5
Charcoal, animal.....	12d, 11, 26	Building.....	37f, 5
Animal, for purifying sugar-juice.....	89c, 13	Cleaning apparatus.....	24g, 1
Filters.....	12d, 11	Cleaning-doors.....	24g, 2
Preparing.....	10a, 27, 28	Climbing, apparatus for.....	37e, 11
Charge-indicators for storage batteries.....	21e, 10	Increasing draft, means for.....	24i, 5
Charging apparatus for bakers' ovens.....	2a, 9	Lamp.....	4a, 11-13; 4b, 4, 12
Apparatus for blast and cupola furnaces.....	18a, 6	Preliminary heating.....	4a, 13
For bucket conveyers.....	81e, 11	Wind-wheels in, to increase draft.....	24i, 5; 88c
For chemical purposes.....	12f, 4	Chin-rests for violins.....	51c, 10
For clay, cement, etc.....	80a, 6	Chip-carving machines.....	75a, 3
For cooking-furnaces.....	10a, 11	Chisels.....	87b, 6
For furnaces.....	24h; 24l, 3, 4	Stone-working.....	80d, 1
For gas-retorts.....	26e, 1-4, 6	Chloral.....	12o, 7
For glass-fusing.....	32a, 5	Chlorates.....	12i, 7, 8
For heating-furnaces.....	18b, 15; 18c, 10	For explosives.....	78c, 15
For kilns.....	80c, 16	Chlorid of lime.....	12i, 6
For Martin furnaces.....	18b, 15	Sulfur.....	12i, 20
For metallurgical furnaces.....	40a, 10	Chlorin.....	12i, 2-4
For ore-dressing apparatus.....	1a, 27		
For oxidation-filters.....	85c, 3		
For retorts.....	26e, 1-3, 6		
For self-feeding furnaces.....	24h, 2		



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<b>Chloroform</b> .....	12o, 2
Administering.....	30k, 14
Checks for apparatus for transporting road-vehicles on rails.....	20g, 5
For railway-vehicles.....	20h, 5
Chocolate, making, chemical features.....	53f, 2
Mechanical features.....	53l
Choking-coils.....	21d, 49; 21f, 11, 63
For cables.....	21c, 5
Chopping blocks and boards.....	34b, 1, 13; 66b, 12
Knives.....	34b, 13
Machines, meat.....	66b, 5
Christmas tree candle-holders.....	34l, 29
Tree ornaments.....	34l, 27
Sockets for electric lights.....	21f, 48
Stands.....	34l, 28
Trees.....	34l, 27
Chromate processes.....	57b, 15
Chromates, lead.....	22f, 3
Chromium compounds.....	12m, 8
Ferro.....	18b, 20
Oxid pigments.....	22f, 7
Preparation.....	40a, 46
Electrolytic.....	40c, 12, 13
Chromoscopes.....	57a, 8
Chucks, lathe.....	49a, 20
Church-bells, apparatus for hanging.....	37d, 29
For ringing.....	74a, 39
Churning, atmospheric.....	45g, 18
Centrifugal.....	45g, 16
Churns.....	45g, 17-22
Chutes. (amusement apparatus).....	77e, 16
Brick and stone.....	37e, 13
Conveyer.....	81e, 14, 15
Life-saving.....	61a, 6, 9
<b>Cigar bands</b> .....	79b, 26
Boxes.....	81c, 1, 4
Bundling apparatus.....	79b, 3
Cases.....	44b, 18
Cutters and trimmers.....	44b, 16
Combined with pocket-knives.....	69, 15
Extinguishers.....	44b, 13
Filler molds.....	79b, 2
Fillers.....	79b, 1
Filters. (mouthpieces).....	79b, 18, 20
Holders.....	44b, 12
Making of plastic materials.....	39a, 21
Lights.....	44b, 14
Making.....	78a, 12
Making machines.....	79b, 6-8
Mouthpiece coatings, paraffin coatings.....	79b, 19
Mouthpieces, (filters).....	79b, 18, 20
Packing cases.....	81c, 21
Piercers.....	44b, 21
Presses.....	79b, 3
Racks.....	44b, 15
Rolling machines.....	79b, 6-8
Slitters.....	44b, 17
Supports.....	44b, 15
Waste, recovering tobacco and cigar fillers.....	79a, 2
Wrappers.....	79b, 4, 5
<b>Cigarette bands</b> .....	79b, 26
Cases.....	44b, 18
Covers, making.....	79b, 20, 21
Cutting and trimming apparatus.....	79b, 16, 17
Fillers, pocket.....	79b, 14
Filling machines.....	79b, 10
Filters, (mouthpieces).....	79b, 18, 20
Holders.....	44b, 12
Machines.....	79b, 11, 13
Continuous strand.....	79b, 12
Mouthpiece coatings, paraffin coatings.....	79b, 19
Mouthpieces, (filters).....	79b, 18, 20
Packing cases.....	81c, 21
Machines.....	81a, 9
Paper.....	79b, 21
Rollers, pocket.....	79b, 14
Shells or tubes, making.....	79b, 20

	Classification.
<b>Cigarettes, continuous strand, cutting into defi-</b> <b>nite lengths</b> .....	79b, 15
Defective, removing covers from.....	79b, 15
Making.....	79b, 10-23
Printing and branding.....	79b, 25
With lighting devices.....	79b, 22
<b>Cigars, chemical treatment</b> .....	79c, 1
Cutting off burning part, devices for.....	44b, 21
Making.....	79b, 1-9, 18, 19, 21-24
Printing and branding.....	79b, 25
With lighting devices.....	79b, 22
Cinchona alkaloids.....	12p, 12
Cinematographs, etc.: See Kinematographs, etc.	
Cinnamic acid.....	12o, 21
Cipher-writing apparatus.....	42n, 14
On type-writers.....	15g, 20
<b>Circuit breakers, automatic</b> .....	21c, 57, 58, 60
Closing apparatus.....	21c, 28-44
Devices for clocks.....	88b, 7
<b>Circular combs for textile fibers</b> .....	76b, 31
Knit fabrics.....	25a, 1-10
Knitting machines.....	25a, 7-10, 16
Fixed needle.....	25a, 8
Looms.....	86c, 16
Rib-top-knitting machines.....	25a, 10
Saws for metal-working.....	49b, 21
For woodworking.....	38a, 5
<b>Circulation devices for galvanic cells and storage</b> <b>batteries</b> .....	21b, 4
Evaporators.....	89c, 2
Regulators, gas.....	26a, 17
Press-gas.....	4c, 40
<b>Circus structures</b> .....	37f, 1
Equipment.....	77g, 5
<b>Citral</b> .....	12o, 7
Clack-valve closures.....	47g, 19
<b>Clamping devices for picture-frames</b> .....	38c, 6
For woodworking.....	38e, 8
<b>Clamps and clamp-chains for fabric stretching</b> <b>and drying machines</b> .....	8b, 6
Clamps as fastenings in structures.....	37b, 5
Binding.....	11e, 10, 11
For curtain-cords.....	34e, 4, 5
For display purposes.....	54g, 22
For holding fountain-pens.....	70b, 6
For picture-frames.....	38c, 6
For surgical purposes.....	30a, 8
For woodworking.....	38c, 6; 38e, 8
Letter-binding.....	11e, 10, 11
Metal, for paper boxes.....	54a, 8
Rope.....	28a, 18-20; 47d, 12
Scaffold.....	37e, 8
Sheet metal, for fastening roofing-tiles.....	37c, 2
Making.....	7c, 34
<b>Wire</b> .....	87a, 21
Electric.....	21b, 3; 21c, 20-22, 26, 27
For fastening roofing-tiles.....	37c, 2
Woven fabric.....	8f, 13
<b>Clam-shell buckets for excavators</b> .....	84d, 3
<b>Clappers for signal-bells</b> .....	74a, 39
<b>Clarifying apparatus for alcoholic liquors</b> .....	6b, 11
Apparatus for coal-dressing.....	1a, 8
Beer and wine.....	6d, 3
Generally.....	12d, 1
Glue.....	22f, 6
<b>Clarinets</b> .....	51c, 23
<b>Clasp buckle fastenings for shoes</b> .....	71b, 7
Closures for dispensing vessels.....	64a, 42
Fastenings for shoes.....	71b, 7
<b>Claw-couplings for motor-cars</b> .....	63c, 12
Generally.....	47c, 6
Railway.....	20e, 10
<b>Clay, burning in kilns</b> .....	80c
Casts.....	75b, 17
Digging and dressing.....	80a, 1-8
Dividing apparatus.....	80a, 6
Grinding machines.....	80a, 2
Molding and casting.....	80a, 42-53
Pigeons, shooting.....	72e, 5

	Classification.		Classification.
<b>Clay purifiers</b> .....	80a, 4	<b>Closet paper</b> .....	34k, 9
Ware, coloring, decorating, glazing.....	80b, 23	Paper holders with and without cutting devices.....	34k, 9
Glazing, apparatus for.....	80a, 54	Receptacles.....	34k, 10
Treating surface.....	80a, 54-58; 80b, 23	Combined with means for burning feces.....	24d
Washers.....	80a, 5	Seats.....	34k, 8; 85h, 10
Working by presses and cutting apparatus.....	80a, 9-23, 25-41	Closets connected to water-mains.....	85h
<b>Cleaners, card, for carding-machines</b> .....	76b, 16	Disinfectants for.....	30i
Feather.....	3e, 3	Disinfection.....	85h, 17
For boiler-tubes and condensers.....	13e	In railway-cars, including water-closets.....	20c, 42
For coated surfaces.....	22g, 14	In ships.....	65a, 11
For hauling-cables.....	35a, 9	Ventilating.....	85e, 5; 85h, 16
For lamp-cylinders.....	34c, 12	With flushing apparatus.....	85h
For railway-tracks, gravel-beds, etc., for removal of weeds.....	19a, 28	Without flushing apparatus.....	34k, 6-11
Fork, knife, and spoon.....	34c, 11	Closets and wardrobes, built in.....	37d, 39
Pen.....	70b, 6	Closing machines for envelopes, paper bags, etc.....	70d, 12
Shoe, (scrapers).....	34c, 17	For packages, paper boxes, etc.....	81a, 1
Cleaning buttons and clasps, implements for.....	34c, 13	Tin can.....	7c, 8, 9
Castings, apparatus for.....	31c, 32	Closures, auxiliary, for cocks and valves.....	47g, 42
Chemical, of textiles, chemical features.....	81, 5	Ball, for liquor-handling apparatus.....	64a, 38
Mechanical features.....	8a, 5	Barrel.....	64a, 50; 64c, 21-26
Clothing, implements for.....	34c, 9, 13	Barrel-door.....	64a, 50
Cloths.....	34c, 6	Bayonet, for bolts.....	68b, 1
Doors for chimneys.....	24g, 2	For covers or receptacles under pressure.....	47f, 21
Machines, brick.....	37e, 13	For hose and pipe couplings.....	47f, 14
Metal articles.....	48a, 1; 48b, 1; 48d, 2	For lamps.....	4a, 3, 52, 53
Steam-boilers.....	13b, 5-9	For liquor-handling vessels.....	64a, 36
Teeth, implements for.....	80b, 19	For locks of baskets, trunks, etc.....	33b, 11
Clearance-packings for centrifugal pumps.....	59b, 2	For wooden boxes.....	81c, 3
Clearances, steam-turbine, means for closing or reducing.....	88a, 9	Book.....	11d, 1
Clearing apparatus for glass-fusing.....	32a, 5	Bottle for direct dispensing.....	64a, 54
Clepsydras.....	83a, 80	For pharmaceutical purposes.....	30g, 3
Climbing and scaling apparatus.....	77a, 13	For removing yeast.....	6c, 2
Apparatus for scaling chimneys.....	37e, 11	Generally.....	64a, 19-55, 65-72
Dolls.....	77f, 13	Non-refillable.....	64a, 65-72
Shoes.....	77a, 13	Safety devices against unauthorized opening, putting on.....	81b, 1
Clinometer-compasses.....	42c, 11	With filling and pouring appliances.....	64a, 54
Chippers for dogs' ears, dogs' and horses' tails, etc.....	30c, 1	Bow, for bags of every kind.....	33b, 4
Clips, paper.....	11c, 25	For bottles.....	64a, 26, 29, 32-35, 75
Rail.....	19a, 11	Apparatus for securing.....	64b, 21
<b>Clocks and watches</b> .....	83a, b	Machines for insuring against opening.....	81b, 1
Alarm-clocks.....	83a, 64-75	Box.....	81c, 3
For electric control systems.....	74a, 14	Bung-hole.....	64c, 26
For factories, schools, etc.....	74a, 19	Can, including loose covers.....	64a, 48
Antimagnetic.....	83a, 86	Cap, for liquor-handling apparatus.....	64a, 20-24
Art-clocks, (with movable figures).....	83a, 79	Clack-valve.....	47g, 19
Calendar-clocks.....	83a, 78	Clasp, for liquor-handling apparatus.....	64a, 42
Cases for.....	33b, 10; 34l, 22; 83a, 45, 46, 49, 50, 52	Cock, for liquor-handling apparatus.....	64a, 53
Protective.....	83a, 49	Coffin.....	30e, 17
Combined with barometers, compasses, etc.....	83a, 83	Disk, for liquor-handling apparatus.....	64a, 19
Egg-timing.....	83a, 84	Double, for liquor-handling apparatus.....	64a, 46
Electric clocks.....	83b	Eccentric, for liquor-handling apparatus.....	64a, 31
Primary.....	83b, 1	Elevator-shaft.....	35a, 18
Secondary.....	83b, 2	External cap, for liquor-handling apparatus.....	64a, 20, 22
Frames for.....	83a, 45, 46, 50, 52	Falling block, for small-arms.....	72a, 12
Hydraulic clocks.....	83a, 81	Filling, for soda-water containers.....	85a, 4
Illuminated.....	83a, 18	For acetylene-generators.....	26b, 3
Indicating devices for.....	83a, 12-19	For acid containers.....	12f, 1
Ornamentation.....	83a, 51	For aliums.....	11e, 2
Pneumatic clocks.....	83a, 81	For cigar-cases and match-containers.....	44b, 30
Regulators.....	83a, 20-32	For cooking-ovens.....	10a, 12
Stand-clocks.....	83a, 33, 45	For filter-presses.....	12d, 6
"Stop-clocks," (for measuring short periods of time—e. g., egg-timers).....	83a, 84	For galvanic cells.....	21b, 1
Telltale-clocks.....	43a, 30	For gas-retorts.....	26a, 14
Watchmen's recording-clocks.....	43a, 30	For inclined-plane hoists.....	5d, 6
Water-clocks.....	83a, 80	For liquor-handling apparatus.....	64a, 8-55, 73-81
Wheels and ratchet mechanism for.....	83a, 10, 11	For ordnance.....	72c, 10-13
Winders, electric.....	83b, 7	For paint-tubes, etc.....	81c, 15
Winding apparatus.....	83a, 33-42	For sugar-juice-extracting apparatus.....	89c, 6
With movable figures.....	83a, 79	For volatile-liquid containers.....	30g, 5
With secondary mechanism.....	83a, 76-79	Globe, for electric-arc lamps.....	21f, 20
Clockwork for speed-meters.....	42c, 3	Gun.....	72c, 10-13
Clod-crushers.....	45a, 29	Hand-bag.....	33b, 11
Closet bowls.....	85h, 12-15	Ink-well.....	70c, 4
Covers.....	34k, 6; 85h, 10	Internal, for liquor-handling apparatus.....	64a, 25
Flushing-tanks.....	85h, 1-8	Internal cap, for liquor-handling apparatus.....	64a, 21, 22
Cleaning.....	85h, 14	Jointed locking-band, for liquor-handling apparatus.....	64a, 27-29



	Classification.		Classification.
<b>Closures, knapsack</b> .....	33b, 11, 12	<b>Clutches, brake-band and brake-ring</b> .....	47c, 10
Lazy-tong type, for skylights and transoms	68b, 22	Brush	47c, 14
Letter and envelop	54b, 2	Connectible, for cycles	63k, 35
Lubricator	47c, 31	Electric	21d, 14; 47c, 15; 63c, 1; 65f, 19
Magnet, for mine-lamps	4a, 52	Friction	47c, 7-9, 13
Mail bag	81c, 9, 29	Motor-vehicle	63c, 12
Box	81c, 29	Multiple disk	47c, 11
Metal band, for liquor-handling apparatus	64a, 41	Positive	47c, 6
Milk-can	64a, 48	Coagulating properties of fluids, determining	42l, 3
With special arrangements for the milk	45g, 4	Coal baskets	81c, 10
Mine-lamp	4a, 52, 53	Breakers and crushers	34d, 1; 50c
Paper-bag	54b, 4	Briquets, making	10b, 1-9
Pipe	47f, 21; 85e, 15-17	Bunkers	81e, 36
Pocket-book	33b, 4, 11	Carbonizing	26a, 1-9
Receptacle	53b, 2-4; 64a, 19-81	Coking	10a, 1-22
For high internal pressure	47f, 21	Communiting apparatus	34d, 1
Rotary slide-valve, for liquor-handling apparatus	64a, 55	Compressors	10a, 14
Sack	81c, 8	Cutting and channeling machines	5b, 9
Screw, for guns (ordnance)	72c, 12	Draining towers	1a, 10
Shaft	5d, 6; 35a, 18	Dressing	1a
Shirt	8a, 1	Dry distillation	26a, 1-9
Small-arm	72a, 12-16	Drying towers	1a, 10
Throat, for blast-furnaces	18a, 6	Dust furnaces	21l, 1, 3
Tin-can	64a, 56-60	Gas, making	26a, 1-8
Vacuum, for liquor-handling apparatus	64a, 43	Purifying	26d, 1, 5, 6
Wedge, for ordnance	72c, 10	Washing	26d, 2-4, 6
<b>Cloth beams (take-ups)</b> .....	86c, 19	Hods	34d, 2
Collars	3b, 12	Holders for inclined gas-retorts	26a, 7
Finishing agents	8k, 1	Loading apparatus for railway-service	20g, 10
Chemical features	8i-n	Mining	5a, b
Mechanical features	8a-g	Mine refuse, conveying by flushing, for filling goaves	5d, 9
Oil	8h, 7	Scuttles, etc.	34d, 3
Printing	8c; 8n, 1-4	Separating from slate	1a, 30
Printing colors, preparation	8n, 1	Shovels, etc.	34d, 3
Resists	8n, 3	Slimes, drying	1a, 9
Solvents	8n, 2	Small, forming protective coating on	10b, 8
Samples, machines for pasting on sample-cards	8f, 13	Stamps	10a, 14
Stretching machines	8b, 10	Washing	1a, 11
Weaving	86a-h	Coaling locomotives	81e, 25
Winding boards and rollers	8f, 7	Ships	65a, 81
<b>Clothes beaters</b> .....	34c, 13	Coast fortifications	84a, 2
Brushes	9, 3	Life-saving stations	65a, 72
Hangers	3b, 9	Coat collars	3b, 12
Capable of being hoisted out of reach and locked ( <i>kleideraufzüge</i> ), for mines, factories, etc.	34f, 22	Tents	33d, 7
Lockable	68a, 107	Coating compositions for shoe-soles	71a, 11
Hooks, coin-controlled	43b, 51	Materials, generally	22g, 9-11
Lockable	68a, 108	For linoleum	8h, 1, 2
Lines	8d, 13	For window-glass to prevent deposit and freezing of moisture	22g, 10
Pegs and pins	8d, 14	Coatings, anticorrosive	22g, 7; 48d, 4
Rubbers (washboards, etc.)	8d, 10	Applying, implements for, (exclusive of brushes)	75c, 20-23
<b>Clothing</b> .....	3a-e	By dusting on metal	75c, 5
Armored	72g, 1	Enamel	48c, 1
Bullet-proof	3b, 4	For writing-tablets	22g, 11
Devices for putting on and removing	34l, 24	Glass	32b, 9
Stationary	34l, 22	Leather	22g, 5
Holders on chairs	34g, 5	Metal	48b, 1-4, 8-10
Linings for	3b, 2	Rust-preventing	22g, 7; 48d, 4
Materials for, waterproof and ventilated	3b, 1	Sensitive	57b, 8-10
Making	8k; 25a; 86c	Applying	57b, 6
Pockets for	3b, 2	Coats	3b, 5
Presses for	34l, 32	Uniform	3b, 6
Protective, including clothing for motor-vehicles	3b, 4	Women's	3b, 8
Protectors for cyclists	63g, 12	<b>Cobalt compounds</b> .....	12n, 4
Storm	3b, 3	Extracting	40a, 43
Stretchers for	34l, 31	Preparation, electrolytic	40c, 8
Trimmings for	3b, 2	Cocain	12p, 12, 13
Making	25c, 2-7	<b>Cock closures for dispensing vessels</b> .....	64a, 53
<b>Cloths, dust</b> .....	34c, 7	Valve gears for internal-combustion engines	46b, 3
Filter	12d, 5, 13, 16	<b>Cocks as machine elements</b> .....	47g, 22-25
Polishing	34c, 6	As machine elements, with special mechanism	47g, 34-46
Clouding fabrics	8a, 4	Barrel-tapping	64c, 33
Clover-graters	45e, 21	Beer	64c, 27-39
Clubs, Indian	77a, 6	Braking apparatus, buffers and dash-pots for	47g, 35
Clutch-driving mechanism	47h, 5	Dispensing, fastening in earthenware and glass vessels	64c, 41
		Engineers' brake, for air-brakes	20f, 39

	Classification.		Classification.
<b>Cocks, flushing</b> .....	85h, 9	<b>Coin testers</b> .....	43a, 19
For dispensing vessels .....	64c, 27-39	Testers for coin-controlled apparatus .....	43b, 2
For gas heating-stoves .....	36b, 2	Tubes .....	43a, 17
For steam-boiler water-gages .....	13c, 2, 5	<b>Coins, cleaning and disinfecting</b> .....	30i, 1, 2
Frothing .....	64c, 28	<b>Coke conveying apparatus, with quenching appliances</b> .....	10a, 17
Gas .....	4c, 1-14	Conveying apparatus, without quenching appliances .....	81e, 25
Adjustable for small flame .....	4c, 4	Cooling and quenching .....	10a, 17
Alarm devices .....	4c, 14	Drawing machines .....	10a, 16
And water combined for bath-heaters .....	36e, 5	Improving quality of, by addition of other materials in coking .....	10a, 18
Economizing .....	4c, 4	Loading from coke-ovens .....	81e, 25
Multiple way .....	4c, 2	Ovens .....	10a, 1-20
Operating devices for .....	4c, 5	Production .....	10a
Safety .....	4c, 10-12	Pushing machines .....	10a, 16
Safety devices for .....	4c, 3	<b>Coking</b> .....	10a
Grinding in .....	67a, 31	Processes .....	10a, 21, 22
Measuring, for dispensing vessels with invariable measuring-space .....	64c, 30	Colanders .....	34l, 18
For fluid-measuring devices .....	42e, 19	<b>Cold air baths</b> .....	30f, 10
Mixing, for baths .....	85f, 1	Air machines .....	17a, 20
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Generally .....	47g, 25	For refrigerating purposes .....	17a, 1-19, 21-23
Multiple way .....	47g, 25	<b>Collar buttoners</b> .....	33c, 10
Pinch, for dispensing vessels .....	64c, 34	Buttons .....	44a, 15
Pipe-closing, on air-brakes .....	20f, 41	Fasteners and holders .....	3a, 4
Ripping, for balloons .....	77h, 4	Protectors for cloth collars .....	3b, 12
Tapping .....	47g, 22, 23, 64c, 33	For linen collars .....	3a, 4
Test or try, on steam-boilers .....	13c, 14	Supports .....	3b, 2
Water-pipe .....	47g, 1, 2, 5-7	<b>Collars, coat</b> .....	3b, 12
With inserted tubes .....	64c, 27	Dog .....	45h, 11
<b>Cocoa, preparations</b> .....	53f, 2	Fabric .....	3b, 12
Removing bitter elements .....	53i, 1	Horse .....	56a, 3-7
Treating, chemical features .....	53f, 1	Fastenings for .....	56a, 6
Mechanical features .....	53l, 10	Making .....	63a
<b>Cocoon culture</b> .....	45h, 15	Linen .....	3a, 4
<b>Cocoons for silk-spinning</b> .....	76c, 28	Packing, for stuffing-boxes .....	47l, 25
<b>Codein</b> .....	12p, 14	Paper .....	3a, 4
<b>Coffee</b> .....	53d, 1-4	<b>Collecting devices on rotary presses</b> .....	15d, 25
And tea preparing apparatus .....	34l, 7	Stamps etc., arrangements for .....	11e, 27
Cleaning and sorting apparatus .....	45e, 20	<b>Collection-bags for churches, etc.</b> .....	33b, 1
Cups, etc. ....	34f, 11	<b>Collections, natural science</b> .....	42n, 10
Extracts .....	53d, 3	Preserving .....	45l, 1
Filters .....	12d, 34l, 7	<b>Collector-rings, electric</b> .....	21d, 20
Freeing of caffen .....	53d, 4	<b>Collectors, dust, for gas-conduits</b> .....	4c, 17
Machines .....	34l, 7	Generally .....	50e
Mills .....	50b, 10	<b>Collision of trains, preventing by train control</b> .....	20i, 30-45
Percolators .....	34l, 7	Protecting cars in case of .....	20c, 17
Pots .....	34f, 11	<b>Collodion</b> .....	4f, 5; 22h, 4
Preserving by glazing or candying .....	53d, 2	29b, 3; 39b, 5-7; 57b, 1-18; 78c, 6, 9, 12	22h, 4
Roasting apparatus .....	82a, 26-28	<b>Colophony</b> .....	22h, 1
Strainers .....	34l, 18	Holders for violins .....	51e, 13
Substitutes, roasting .....	53d, 4	<b>Color applying implements</b> .....	75c, 1-5, 20-23
<b>Coffer-dams</b> .....	84c, 3	Applying machines for bottle-caps .....	75a, 20
<b>Coffin closures and packings for</b> .....	30e, 17	Along seams, devices for, on sewing-machines .....	52a, 54
Hoisting and lowering apparatus .....	30e, 18	Atomizers .....	75c, 22
<b>Coffins</b> .....	30e, 16	Binding materials .....	22g, 3
<b>Coherers</b> .....	21a, 26, 70	Blindness, diagnosis .....	30a, 3
<b>Coiled pipes, making</b> .....	7b, 20; 80a, 33	Charts .....	75c, 11
<b>Coils, choking</b> .....	21d, 49; 21f, 11, 63	Corroding materials .....	22g, 13
Choking, for cables .....	21c, 5	Embossing processes .....	15k, 6
Electric, making .....	21g, 1	Filters .....	57b, 8
For spring-motors .....	46e, 2	Foil or leaf .....	22g, 10
Spark .....	21g, 6	Grinding machines .....	22g, 15; 50c
For wireless telegraphy .....	21a, 71	Mechanism for embossing-presses .....	15d, 43
<b>Coin containers</b> .....	33b, 1; 43a, 17	Mixers and stirrers .....	75c, 13
<b>Controlled apparatus</b> .....	43b	Photography, apparatus for .....	57a, 8
Apparatus, coin-slots for .....	43b, 1	Processes for .....	57b, 18
For music-players .....	43b, 38; 51d, 20	Printing forms .....	15b, 3; 57d, 3
For telephone stations .....	21a, 46	Receptacles or boxes .....	75c, 15
On locks .....	43b, 55; 68a, 24	Rubbing devices .....	75c, 12
Photographic .....	57a, 39	Scales .....	75c, 11
Game apparatus .....	43b, 40, 41	Screens .....	57b, 18
Locks .....	68a, 24	Sprayers .....	75c, 22
Signal apparatus .....	74a, 10	Strainers .....	75c, 22
Counting apparatus .....	43a, 18	Tops .....	77f, 4
Delivering apparatus .....	43a, 15	Tubes .....	75c, 15
Holders .....	33b, 1; 43a, 17		
Packing apparatus .....	43a, 18		
Slots for coin-controlled apparatus .....	43b, 1		
Sorters .....	43a, 16		



	Classification.		Classification.
Colored photographs, apparatus for reproducing.	57a, 8	Compasses, making	7c, 40
Powders, applying to fabrics.	8b, 31	Measuring.	42a, 1
Colorimeters.	42b, 18	Parallel leg.	42a, 2
Coloring earthenware.	80b, 23	Proportional.	42a, 6
Flowers by absorption of dyestuffs.	75c, 5	Registering.	42c, 34
Fresh flowers.	45l, 1	Compensating alternating-current generators.	21d, 32
Metals.	48d, 3	Devices for pipes.	47f, 17
Galvanic.	48a, 16	For steam-pumps and blowing-engines.	14g, 11
On paper-machines.	55f, 4	For switches.	20i, 12
Paper.	55f, 2	Compensation of load for alternating-current systems.	21d, 47
Pulp.	55c, 3	Of load for continuous-current systems.	21d, 26
Colors, annealing, compounding glass to produce.	32b, 4	Of timepieces.	83a, 24
Cloth-printing.	8n, 1-3	Complete-operation type-casting machines.	15a, 26
Developing on fibers.	8m, 12	Composing rules and sticks for type-setting.	15a, 8
For mosaic-printing.	15l, 7	Compositions, casting, ceramic.	80b, 7
Luminous.	22f, 4, 5, 6, 10	Ceramic.	80b, 7-9
Oil.	22g, 2	Core.	31c, 1
Painters'.	22g, 2	Cork.	39b, 11
Pulverized, applying.	75c, 22	Electrically conducting.	21c, 1
Removing, implements for.	75c, 26	Insulating.	21c, 2
Materials for.	22g, 13	Filling, for safes.	68e, 2
Resin.	22g, 2	Friction, for matches.	78b, 3
Surface, for glass.	32b, 4	Heat-insulating.	47f, 27
Water.	22g, 2	Insulating.	21c, 2; 39b, 9; 37b, 6; 47f, 27; 80b, 9
Columbaria.	30e, 19	Luminous.	22f, 10
Structural arrangements.	37f	Cold light.	4b, 17
Column galleys for type-setting.	15a, 9	Match.	78b, 2
Heads.	37b, 3	Molding.	31c, 1
Indicators.	70d, 9, 11	Plastic, chemical features.	39b
Locks for type-setting.	15a, 9	Mechanical features.	39a
Columns as structural elements.	37b, 3	Pyrophoric.	78f
Built <i>in situ</i> .	37a, 4, 5	Compound castings for armor-plate.	31c, 17
Combination-locks.	68a, 25-30	Cylinder arrangements for internal-combustion engines.	46a, 11
Combination or transition car-couplings.	20e, 14	Glass.	32b, 1
Combs, cleaning.	33c, 8	Consisting partly of celluloid.	39a, 17
For carding machines.	76b, 30-35	Steam-engines.	14a, 5
Hair dyeing.	33c, 7	Compounding alternating current.	21d, 31
Retaining.	33c, 4	Compressed-air atomizers for medical purposes.	30k, 9
Making of plastic materials.	39a, 20	Barrels.	59c, 4, 5, 7
Toilet.	33c, 7	Burners.	4g, 43
Combustible gases, manufacture.	21i, 1; 24e; 26a, c	Control of electric-railway trains.	20l, 25
Producing by wet processes.	26b	Engines and vacuum air-engines.	46d, 5
Combustion mixtures, apparatus for producing.	46c, 6-13	Excavators.	84d, 4
Surface, (flameless,) in gas-burners.	4g, 55	Glass-blowing.	32a, 9, 10, 12-15
In gas-furnaces.	24c, 1	Gearing.	47h, 18
Material for.	80b, 8, 18	Hand and machine tools.	5b,
Comminuting apparatus, bone.	50c, 8	1, 4; 30b, 1; 49e, 2; 87b, 2	35d, 8
Apparatus, cacao.	53l, 10	Ink-wells.	70c, 1
Clay.	80a, 2	Locomotives.	20b, 6
For briquets.	80a, 24	Production for liquor-dispensing apparatus.	64c, 3
For raw materials for paper-making.	55a, 3-5	Generally.	27a; 27b, 1-9; 27c; 27d
Generally.	50c	Railways.	20a, 3
Grain.	50b, 1-9	Raisers, (for acids).	59c, 7
Ice.	17b, 4	Street-car brakes.	20f, 36
Metal.	49b, 16	Transmission-gear.	47h, 22
Sugar.	89g, 1	Turbines.	46d, 5
Machines for foodstuffs for household use.	34b, 13	Water-raisers.	59c, 4, 5, 9
For fruits, vegetables, etc., for treatment in bulk.	45e, 35-39	Compressed-gas burners.	4g, 43
Commodore, etc.	34k, 10	Containers.	12f, 2; 64c, 7; 85a, 5
Communion-cups.	64a, 2	For dispensing apparatus.	64c, 1-7
Commutator-motors for alternating current.	21d, 44, 45	Compresses.	30d, 24, 25
Shunt.	21d, 44	For veterinary purposes.	30c, 7
Commutators as switches.	21c, 28-39	Compressing fruit and vegetables, machines for.	34b, 9
For collecting electric current.	21d, 20	Potatoes, machines for bulk treatment.	45e, 39
Compass declination, inclination, and deviation, devices for correcting.	42c, 33	For household use.	34b, 9
Point fastenings.	42a, 5	Compression absorption refrigerating-machines.	17a, 13
Positions, telemetric apparatus for indicating.	74b, 7	Processes.	17a, 1
Compasses.	42a, 1-8; 42c, 11, 32-36	Refrigerating-machines.	17a, 3-6
Beam.	42a, 3	Spring setting and winding machines.	7d, 7
Caliper.	42a, 1, 9	Springs for furniture.	34g, 18
Curve-drawing.	42a, 11-14	Making.	7d, 7
Deviation disturbances, determining and correcting.	42c, 33	Compressors, air.	27b, 1-9
Dry.	42c, 32	Air, for carbureting purposes.	26c, 12
Ellipse-drawing.	42a, 12	Hydraulic.	27b, 4
For underground surveying.	42c, 11	Safety devices, nozzles, etc., for.	27b, 8
Magnetic.	42c, 32, 33	Coal.	10a, 14
		For microscopes.	42h, 15

Classification.	Classification.
<b>Compressors for refrigerating-machines</b> .....	17a, 2
Peat.....	10c, 7; 80a, 24
Concaves in threshing-machines, adjusting.....	45e, 6
Concentrates, (ore-dressing).....	1a, 12-14
Concentrating coal and ores.....	1a, b
For chemical purposes.....	12a, 2
Concrete and reinforced-concrete bridges.....	19d, 1
And reinforced-concrete ceilings.....	37a, 2
Columns, etc.....	37b, 3
Girders.....	37b, 3
Railway-ties.....	19a, 6
Supports.....	37b, 3
Walls.....	37a, 5
Iron reinforcements for.....	37b, 4
Making.....	80b
Rammers.....	37e, 13; 80a, 13
Ramming machines for foundations.....	84c, 4
Spirally reinforced for structural elements.....	37b, 3, 4
Making.....	80a, 48
Staircases.....	37d, 3
Condensation of steam, generally.....	17d
Of vapors for general chemical purposes.....	12a, 4
Water of, carrying off.....	13d, 12-29
Returning to boiler.....	13b, 12
Condenser-pumps.....	14g
Telephones.....	21a, 32
Condensers, air.....	27b, 1-9
Air column, in pneumatic tools.....	87b, 2
Centrifugal.....	17d, 4
Dielectric.....	21g, 10
Electrolytic.....	21g, 11
For evaporators.....	89e, 5
For fleece-dividers.....	76b, 24
For gas purification.....	26d, 1
For gas retorts.....	26a, 16
For gas turbines.....	46d, 10
For high-frequency systems.....	21a, 71
For microscopes.....	42h, 3
For refrigerating-machines.....	17a, 12
For steam-engines.....	14g, 12, 13
For steam turbines.....	14c, 11
For zinc-distilling vessels.....	40a, 36
Injector.....	17d, 2
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Steam, generally.....	17d
Condensing devices for mercury-vapor lamps.....	21f, 82
Foodstuffs.....	53c-k
For chemical purposes.....	12a, 2
Generally.....	12a, 4; 12c, 3; 17d; 17g
Milk.....	53e, 4
Salt solutions.....	12l, 1
Sodium-chlorid solutions.....	12l, 1
Conditioning textile fibers.....	29b, 6
Conducting arrangements for electric railways at drawbridges.....	20k, 6
Materials, electric.....	21c, 1
Conductor connections for arc-lamps.....	21f, 23
Connections for electric cars.....	20l, 26; 21c, 21
Generally.....	21c, 20, 21
Systems, electric.....	20k, 15-17; 21d, 23-26
Conductors, aerial, for electric railways, including line-insulators, turnbuckles, etc.....	20k, 9
Electric.....	21c, 1-17
Connections for.....	21c, 20-26
For high-frequency systems.....	21a, 71
For weak and strong currents.....	21c, 1-26
Freeing of ice and snow.....	21c, 8
Laying and fastening.....	21c, 9, 10, 12-19
Preventing disturbances due to breaking of wires and short-circuiting.....	21c, 9
Protecting from lightning.....	21c, 61
Reducing disturbances due to induction.....	21c, 4
Safety devices for.....	21c, 57-61
Tubes and conduits for.....	21c, 18, 19
For electric railways.....	20k, 9-14
Conduits for electric wires.....	21c, 19
For water-pipes.....	85d, 1
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Cone couplings.....	47c, 4
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<b>Cone mills</b> .....	50b, 10; 50c, 3
Presses.....	89b, 5
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Cones, Seger and sintering.....	42i, 10
Compositions for.....	80b, 8
Confectionery.....	53f, 2, 3; 53i
Cleaning.....	53l, 7
Coating.....	53l, 4
Cooking, cooling, and drying.....	53l, 12
Cutting machines.....	53l, 9
Hand-molds for.....	53l, 2
Making, chemical features.....	53f, 3
Mechanical features.....	53l
Measuring, weighing, and wrapping.....	53l, 11
Ornamenting.....	53l, 6
Conformators for hat-making.....	41a, 5
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Conjuring and puzzle toys.....	77f, 31
Appliances.....	77g, 6
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Bridge, for Nernst lamps.....	21f, 71
Cascade, for alternating-current motors.....	21d, 43
Conductor, for electric-arc lamps.....	21f, 23
For continuous-current armature-windings.....	21d, 3
For electric-arc lamps.....	21f, 11-15
For electric bells.....	74a, 1
For lightning-arresters.....	21c, 26
For mercury-vapor lamps.....	21f, 84
For single electric-railway cars.....	20l, 4-7, 23
For stone, wood, and iron in building construction.....	37b, 5
For telegraph-relays.....	21a, 20
For telephone-exchange connecting-lines.....	21a, 58
For train-conductors of electric railways.....	20l, 26; 21c, 21
Line-selecting.....	21a, 44
Lowering-brake, for cranes.....	35b, 3
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Of storage batteries.....	21c, 44; 21d, 25
Parallel, of electric machines.....	21d
Devices for.....	21c, 55
Systems of, for storage batteries.....	21c, 44
Tens-carrying, for calculating-machines.....	42m, 11
Transformer.....	21d, 49
Connectors, belt.....	47d, 9
Driving-cable and cord.....	47d, 11
For electric conductors.....	21c, 20, 21
For parts of harness.....	56a, 23
Conservatories.....	45f, 9
Structural arrangements.....	37f, 7
Consumption meters, steam.....	42e, 23
Regulators, gas.....	4c, 23-26
Contact buttons for push-button switches.....	21c, 30
Buttons for sectional conductors.....	20k, 15-17
Compositions.....	12g, 2
Devices actuated by wheel-flange.....	20k, 16; 20l, 31, 32
Processes, chemical.....	12g, 2
For the production of metal deposits.....	48a, 13
Of sulfuric acid.....	12i, 24
Photographic.....	57b, 14
Rails for sectional conductors.....	20k, 15-17
Contacts, alarm, for steam-boilers.....	13c, 17
Bell.....	74a, 1-6, 10-12
Cord, for fire-alarms.....	74a, 35
Floor, for alarm apparatus.....	74a, 25
For burglar-alarms.....	74a, 21-26
For fire-alarms.....	74a, 30, 31, 35, 36
For time-controlled alarms.....	74a, 13-20
For train protection.....	20l, 30-41
Plug, for electric wires.....	21c, 22
Screw.....	21c, 22
Single, for electric railways.....	20k, 5
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Two-pin plug.....	21c, 22
Vibrating, for burglar-alarms.....	74a, 23
Wall, for burglar-alarms.....	74a, 25



	Classification.
<b>Containers</b> for compressed gases .....	12f, 2; 64c, 7
For transporting liquid air .....	12f, 2
Continuous current distribution .....	21d, 23-26
Current dynamos, practical designs .....	21d, 16-19
Dynamo, regulation .....	21d, 11-15
Regulators .....	21c, 54-56
Generators .....	21d, 1-5
Motors .....	21d, 6, 7
For propulsion of railway trains .....	201, 4
Strand cigarette machines .....	79b, 12
Cigarettes, cutting into definite lengths .....	79b, 16
To alternating current, converting .....	21d, 34
To continuous current, converting .....	21d, 8
Control of air-compressors .....	27b, 7
Apparatus for accuracy of fire .....	72f, 7
For explosion and internal-combustion engines .....	46b, 19
For motor-cycles .....	63k, 26
Steam-boiler .....	13c, 23
Time, for billiards .....	43a, 37
For games, generally .....	43a, 38
Compressed air and electric-compressed air, for electric-railway trains .....	201, 25
Devices to determine date of closing containers in cash-registers .....	43a, 12
For fluids filtered or to be filtered .....	12d, 4
For igniting apparatus of explosion and internal-combustion engines .....	46c, 14
For regular emptying of mail-boxes .....	43a, 42
Landing, for elevators .....	35a, 20
Gages .....	42k, 12
Lever for motor-cars .....	63c, 13
Of electric-railway trains .....	201, 24, 25
Of pulsmeters .....	59c, 2
Of railway-gates by the train .....	201, 19
Of rock-drills .....	5b, 4
Of steam-engines by fluid-pressure .....	14d, 25
Systems, electric, with alarm-clocks .....	74a, 14
Transmitting apparatus for motor-vehicles .....	63c, 9, 13, 14
Gearing for motor-vehicles .....	63c, 9
Valves, generally, for engines and metal-wood-working machines .....	47g, 9-14, 29
Controllers for electric railways .....	201, 22; 21c, 52
Speed, for electric motors, forming special apparatus separable from machines .....	21c, 49-53
Controlling devices for trigger action .....	72a, 26
Converters, Bessemer .....	18b, 16-19
Compounding .....	21d, 31, 34
Electric .....	21d, 8, 34-36, 48, 49; 21g, 11-13
Frequency-transforming .....	21d, 36
Conveyer cars for railway-service .....	20c, 16
Chains for match manufacture .....	78a, 5
Troughs .....	1a, 28; 81e, 15, 16
Conveyers, belt .....	81e, 1, 2
Brick .....	80a, 34
Chain .....	81e, 3
Elevating, for potato-digging machines .....	45c, 11
For potato-planting machines .....	45b, 19
For blast-furnace slag .....	18a, 9
Screw or worm .....	81e, 4, 5
Conveying apparatus for cards, beaters, etc. (spinning) .....	76b, 36
Apparatus for coking-ovens, without quenching devices .....	81e, 25
For coking-ovens, with quenching devices .....	10a, 17
For earthenware in course of manufacture .....	80a, 34
For excavated material .....	84d, 5
For potato-harvesting machines .....	45c, 9, 10
For slaughter-houses .....	66a, 6
For sugar-beets .....	89a, 3
For wet paper webs .....	55f, 5
For wire-nail machines .....	7e, 10
By hydraulic currents .....	81e, 18
Mechanism for ore-roasting furnaces .....	40a, 4
Receptacles, self-filling .....	81e, 19
Cookers, alcohol .....	34a, 3, 5
Camp .....	34l, 9
Egg .....	34l, 6
Electric .....	21h, 4

	Classification.
<b>Cookers</b> , electrically heated .....	21h, 3
Fireless .....	34l, 11
For confectionery .....	53l, 12
Gas .....	34a, 2-5
Lamp .....	34a, 4
Milk .....	34l, 5
Petroleum .....	34a, 1, 5
Steam .....	34l, 2
Stock feed .....	53g, 6
Time-controlled .....	34l, 6
Traveling .....	34l, 9
With time-controlled lighting apparatus .....	34l, 8
Cooking apparatus, electric .....	21h, 3
Apparatus, electric, regulating and automatic cut-out devices for .....	21h, 4
For solid fuel .....	36a, 16-23
Gas, extinguishing and lighting .....	34a, 2
Steam-bath and water-bath .....	36c, 13
Electric .....	21h, 3, 4
Ranges .....	36a, 16-19
Camp .....	36a, 22
Electric .....	21h, 3
For heating and cooking purposes .....	36a, 17
With means for heating water .....	36a, 18
Stoves .....	36a, 20
Utensils .....	34l, 1-4
Camp .....	34l, 1
Vessels, generally .....	12a, 1; 34l, 1-9
With alarm devices .....	34l, 5
Coolers, air .....	17a, e, f
Beer .....	17e, 1; 17f, 2; 64c, 14
Wort .....	17f, 1
Beverage .....	17f, 2
Counter-current .....	17e, 1; 17f, 5
Fat and oil .....	23a, 1
Fermenting-vat .....	6b, 18
Flying-machine engine .....	46c, 18-23; 77b, 5
For airship-engines .....	46c, 18-23; 77b, 15
Gas .....	12e, 2
Illuminating-gas .....	26d, 1
Inclosed .....	17f
Milk .....	17e, 3; 17f, 2
With special treatment of milk .....	45g, 6
Open .....	17e
Pipe, galvanoplastic production of .....	48a, 7
Generally .....	17f, 11
Making of sheet metal .....	7c, 24
Pocket .....	17f, 8
Spray .....	17e, 4
Stream, open .....	17e, 1-3
Wine .....	17f, 2
Wound .....	30d, 25
Yeast-mash .....	6b, 18
Cooling acetylene-generators .....	26b, 47
Air, drying and purifying .....	17f, 6
In blast-furnaces .....	18a, 17
Separating moisture from .....	17f, 6
Apparatus for absorbers of refrigerating-machines .....	17a, 16
For bearings .....	47b, 10
For electric machines .....	21d, 19
For electrodes of Röntgen tubes .....	21g, 15
For fats .....	23a, 1
For liquor-dispensing purposes .....	64c, 14
For mercury-vapor lamps .....	21f, 82
For motor-vehicles .....	46c, 18-23; 63c, 26
For oils .....	23a, 1
For railway-cars .....	20c, 24
For reflectors .....	4b, 6
For transformers .....	21d, 48
Used in caring for the sick .....	30d, 25
Artificial butter .....	53h, 2
Briquets .....	10b, 9
Cacao .....	53f, 1
Cocks, valves, etc. .....	47g, 41
Coke .....	10a, 17
Confections .....	53l, 12
Electric machines .....	21d, 19
Firemen's stations in furnace plants .....	24k, 8
Gas-engines .....	46c, 18-23

	Classification.		Classification.
<b>Cooling glass</b> .....	32a, 28-30, 32, 24	<b>Cork stoppers</b> .....	64a, 11, 18
Media for refrigerating-machines.....	17a, 19	Substitutes.....	39b, 11
Receptacles.....	17c, 3	Corking-machines.....	64b, 20
Steam-engines.....	14g, 6	Corks, bottle.....	64a, 8-18
Towers.....	17e, 1	Cleaning.....	64b, 20
Vats for beer-wort.....	6b, 15	Corn files, knives, and rasps.....	30a, 15
Coopering.....	38f	Grinding.....	50a, b
Coördinate determining apparatus.....	42c, 8	Harvesting.....	45c, 27
Cop tubes for spinning and spooling machines.....	76d, 16	Rings.....	30d, 22
Winding machines.....	76d, 4	<b>Corner connections</b> .....	47a, 2; 54a, 8-11, 13; 81c, 2
Copper, coating with.....	48a, 6; 48b, 10	Protecting strips for masonry walls.....	37b, 2, 5
Compounds.....	12n, 5	Shelves.....	34f, 26
Etching for printing-forms.....	15b, 1, 5	<b>Corpses, burial apparatus</b> .....	30e, 16-19
Extracting.....	40a, 26-32	Cremating.....	24d
Plate presses.....	15d, 9	Embalming.....	30i, 9
Plates.....	15b, 1	Transporting, railway-cars for.....	20c, 7
Plating.....	48a, b	<b>Correcting appliances for type-writers</b> .....	15g, 45
Preparation.....	40a, 26-32	<b>Corrosion, protecting from, by coatings</b> 48b; 48c;	48d, 4
Electrolytic.....	40c, 9	By paints.....	22g, 7
Purifying and refining.....	40a, 30	<b>Corrugated paper-board, making</b> .....	54d, 9
<b>Cops</b> .....	76c	Sheet metal for building purposes.....	37b, 4
Paper, making.....	54c, 4	Making.....	7c, 2, 3
Copy books.....	11d, 1	Tubing, making.....	7b, 15
Holders for type-setters.....	15a, 10	<b>Corset busks</b> .....	3a, 16
For type-writers.....	15g, 46	Fasteners.....	3c, 5
Generally.....	70d, 9	Making, of sheet metal.....	7c, 45
<b>Copying apparatus</b> .....	15i, 6	Of wire.....	7d, 14
Lamps, electric.....	21f, 9	Lacings.....	71b, 1
Machines.....	75a, 13-15	Machines.....	3a, 17
For documents.....	15i, 2	Stays.....	3a, 16
For pattern-cards.....	86h, 4	Of wire, making.....	7d, 15
Papers.....	55f, 15	<b>Corsets</b> .....	3a, 13
Composition of inks for.....	15l, 7	Orthopedic.....	30d, 4
Pattern, apparatus.....	3d, 4	<b>Corundum</b> .....	12m, 6
Presses, apparatus.....	15i, 1	Cosmetics.....	30h, 13
Processes.....	15k, 7	Cotillion-favors.....	77f, 31
Telegraphs.....	21a, 5	Cotter and key fastenings.....	47a, 1
<b>Cord clamps and holders for curtains</b> .....	34e, 4, 5	Pins.....	47a, 5
Contacts for burglar-alarms.....	74a, 22	<b>Cotters and keys</b> .....	47a, 1
For fire-alarms.....	74a, 35	As machine elements.....	47a, 5
Drums.....	47b, 26	For locking screw-fastenings.....	47a, 10
Guides for curtain-cords.....	34e, 6	<b>Cotton gins and ginning</b> .....	29a, 1
Machines.....	25c, 4; 73, 2	Harvesting machines.....	45c, 27
Switches, electric.....	21c, 31	Machines, (knitting).....	25a, 2
Tensioning devices for curtains.....	34e, 6	Spinning.....	76b, c
Winders for roller-shades.....	34e, 9	Waste, cleaning and washing.....	8a, 5
<b>Cords, braided</b> .....	25b, 10	For cleaning coated surfaces.....	22g, 14
Driving.....	47d, 10, 11	For grinding purposes.....	67c, 2
Connectors for.....	47d, 11	Machines for opening.....	76b, 2
Making.....	25c, 4; 73, 2	Making from yarn or yarn refuse.....	76b, 37
<b>Core boxes, frames and plates</b> .....	31c, 8	Used, extracting fat from.....	23a, 4
Irons.....	31c, 7	<b>Couch-rolls</b> .....	55d, 20
Materials.....	31c, 1	Couches.....	34g, 12
Molding machines for foundries.....	31b, 9	Coumarin.....	15o, 21
Plates for storage batteries.....	21b, 19	<b>Counterpane holders and fastenings</b> .....	34g, 16; 34h, 2
Supports.....	31c, 7	Counterpanes.....	34f, 9
<b>Cores for casting tubes</b> .....	31c, 19	Appliances for airing.....	34f, 26; 34g, 16; 34h, 2
Inserted, for compressed-air glass-blowing.....	32a, 13	Attachable to windows.....	34f, 26
<b>Cork and paper board, making</b> .....	55f, 10	<b>Counters, axle or car</b> .....	20h, 1; 42p
Artificial.....	38h, 6; 39b, 11	Axle or car, with coöperation of train.....	20i, 30, 35
Board, making.....	55f, 10	Beer-glass, (drink-registers).....	64a, 82-85
Compositions.....	39b, 11	Conversation, for telephone-stations.....	21a, 47-49
Cutting machines.....	38g, 2	For shoes.....	71a, 30
Drawers for removing corks that have dropped		For stores.....	34l, 35
into bottles.....	64b, 27	Kilometer, (mileage-indicators).....	12p, 11
For hoof-coverings.....	45i, 4	Revolution.....	42p, 1-4, 10, 11
For production of plastic masses.....	39b	For cycles.....	42p, 11
Impregnating.....	38h, 6; 39b, 11	Seconds, (split-second timers).....	83a, 85
Linen, (a linoleum substitute).....	8b, 4	Step, (pedometers).....	42p, 9; 83a, 83
Paving.....	19c, 5	Wet, for looms.....	86c, 20
Preparation and treatment, chemical.....	38h, 6	<b>Counting devices for billiards</b> .....	77c, 16
Mechanical.....	38g, 2	Devices for car-controllers.....	20l, 22
Pullers.....	64b, 25-27	For diagnostic purposes.....	30a, 4
Screws.....	64b, 25-26	For printing sheets.....	15d, 17
On pocket-knives.....	69, 15	For roll-cameras.....	57a, 23
Shoes.....	71a, 2	For type-writers.....	15g, 44
Steamers and cleaners.....	64b, 20		
Stone, (granulated cork bound together by			
lime).....	37b, 2; 80b, 9, 16, 24		



	Classification.
<b>Counting mechanism</b> .....	42p, 1-10
Mechanism disk.....	42p, 2
For liquor-handling apparatus.....	64c, 11
For barrels, bottles, sacks, etc.....	42p, 5
For fluid-measuring apparatus.....	42e, 22
For measuring-rods.....	42p, 7
For telegraphs.....	21a, 43
For turnstiles.....	42p, 6.
For weighing apparatus.....	42f, 32, 33
On load-hooks, etc.....	42p, 5
Roller.....	42p, 1
Shifting.....	42p, 3, 4
With bill-printing devices.....	42p, 8
Coupler-heads.....	20e
Couplers for pipe and reed organs.....	51a, 6
Coupling motors of electric railways.....	20l, 21
Rods.....	47b, 18
Couplings as machine elements.....	47c, 1-16
Between piston-rod and connecting-rod, re- leasing.....	14g, 5
Brush.....	47c, 14
Brake-band and brake-ring.....	47c, 10
Bar, connected with pipe-joints.....	20e, 15
For electric wires.....	20e, 15; 21c, 21
Claw.....	47c, 6
Compensating, for motor-cars.....	63c, 11
Cone friction.....	47c, 4
Disk friction.....	47c, 9
Electric, for propeller-shafts.....	65f, 9
For gas-pipes.....	4c, 15
For horse-cars.....	20e, 16
For motor-vehicles.....	63c, 12
For presses and punching-machines.....	7c, 18
For secondary-railway cars.....	20e, 16
Free wheel, for cycles.....	63k, 34
Hollow-cylinder friction.....	47c, 7
Hose and pipe.....	47f, 10-12, 14
Multiple disk.....	47c, 11
Pipe.....	47f, 6-14
Railway.....	20e, 1-22
Auxiliary.....	20e, 20
Connected with electric-conductor connec- tions.....	20e, 15; 21c, 21
Connected with pipe-joints.....	20e, 15
Rod.....	47a, 3
Shaft, engaging and disengaging.....	47c, 6-16
Mixed types.....	47c, 12
Movable.....	47c, 4
Not disengaging.....	47c, 1-5
Rigid.....	47c, 1
Yieldable.....	47c, 5
Solid-cylinder friction.....	47c, 8
Spring.....	47c, 14
Street-car.....	20e, 16
Tender.....	20e, 12
Vehicle.....	63b, 40; 63c, 1, 12; 63k, 25, 34
Coupon-shears.....	69, 7
Covering by spinning, machines for.....	25c, 1
By winding, machines for.....	25c, 1
Machines for overlaying cords, etc., with threads, wire, etc.....	25c, 1
For passementerie.....	25c, 1
For ropes.....	73, 6
Horsehair.....	76, 28
Materials.....	8h
Coverings, ceiling and wall.....	37d, 33
For bottom of bath-tubs.....	34k, 4
Generally.....	8h, 6; 37d, 5-7, 33; 80b, 4, 13, 24, 25
Insulating, for electric conductors.....	21c, 2, 3, 7
For electric incandescent lamps.....	21f, 49
Covers, altar.....	34f, 9
Bed.....	34f, 9
Book, making.....	11c, 3
Cigar and cigarette.....	79b, 21
Horse, for protection from insects.....	45h, 8
Making.....	56b, 7
Lubricating-box.....	47e, 31
Packing, for bottles.....	81a, 15

	Classification.
<b>Covers, protective, for vehicles</b> .....	63b, 3
Quilted.....	34f, 9
Railway-car.....	20c, 30
Table.....	34f, 9
Type-writer.....	34f, 4
Cowper's stoves.....	18a, 11
Crab-openers.....	34f, 12
Crabs for cranes.....	35b, 1
Cracker-bonbons.....	77f, 31
Crackers, making.....	2b
Cracking or chipping off glass articles.....	32a, 33
Cradle-swings.....	77e, 12
Cradles.....	34h, 3
Cramming-machines, poultry.....	45h, 12
Cramps.....	38e, 8
Crane-bridges.....	19d, 5
Cranes.....	35b
Boat.....	65a, 40
Building.....	35b, 1, 4
Charging.....	35b, 3
Control mechanism and switches, electric.....	35b, 8
Electromagnets for.....	21g, 2; 35b, 7
Floating.....	35b, 4
Foundry.....	35b, 1
Gantry.....	35b, 1
Rotary, generally.....	35b, 4
Hydraulic.....	35b, 6
Ship-building.....	35b, 1, 4
Sluicing.....	35b, 5
Temperley.....	35b, 2
Traveling.....	35b, 1
Water, for railway-service.....	20g, 9
Cranioclasts.....	30a, 9
Crank embroidering-machines.....	52b, 1
Gearing.....	47b, 1
For holding windows, etc., in adjusted posi- tions.....	68d, 28
Guides.....	47b, 1
Locks, cycle.....	63f, 8
Lubrication.....	47e, 7
Presses for clay industry.....	80a, 11
Rods.....	47b, 1
Shaft bearings for cycles.....	63d, 25
Cranks as machine elements.....	47b, 16
Cycle.....	63k, 30-32
Foot-operated.....	63k, 30-32
Foot-operated, for propulsion of boats.....	65c, 9
Safety, for winches, pulley-blocks, etc.....	35c, 4
Crape-paper.....	54d, 9
Cravat closures and fasteners.....	3b, 15
Holders.....	3b, 16
Cravats.....	3b, 14
Crayon-drawing.....	75c, 1
Crayons.....	70a
Colored, compositions for.....	22g, 2
Cream raisers.....	45g, 7
Separators, centrifugal.....	45g, 8-14
Crease-removers, paper-making.....	55e, 7
Creasing and folding machines for bookbinding.....	11c, 5
Creasing-presses, shoemakers'.....	71c, 15
Creeping of rails, preventing.....	19a, 14
Crematories.....	24d
Cresol.....	12q, 14
Crib-biting, appliances to prevent.....	45h, 8
Cribs, including portable type.....	45h, 4
Cricquet-balls.....	77a, 16
Crimping dough.....	2b, 11
Textiles by sponging.....	8b, 13
Crimolines.....	3a, 12
Crochet cotton tensioning devices.....	25c, 2
Hook holders.....	70a, 8
Hooks or needles.....	25c, 2
Making.....	7e, 4
Work, covering with, including machine- work.....	25c, 2
Crocheted articles.....	25c, 2
Braids.....	25c, 2
Crocheting-machines.....	25c, 2

	Classification.
<b>Croquet-balls</b> .....	77a, 16
Crossbows.....	72b, 3
Cross-hairs, (fiber crosses).....	
42c, 4-9, 14-17, 19-23, 43; 42h, 10, 34	
Cross-head lubrication.....	47e, 12
Cross-heads as machine elements.....	47b, 15
Cross-winding spooling-machines.....	76d, 2
Crossing barriers.....	20i, 18-23
Signals.....	20i, 39
Crossings for overhead conductors of electric railways.....	20k, 10
For rails and switches.....	20i, 4
For suspended, cable, and rack-rail roads.....	20i, 9
Crozing-machines.....	38f, 3
Crucible furnaces for chemical fusing processes.....	12b
Furnaces for metal-casting.....	31a, 3
For zinc extraction.....	40a, 40
Steel, preparation.....	18b, 12
Crucibles, earthenware.....	80a, 32
For metal-founding.....	31a, 3
Crunets.....	34f, 21
Crumb-brushes.....	34c, 6
Cruppers.....	56a, 20
Crush hats and caps.....	41c, 4
Crushers, malt.....	6b, 1
Crushing machines, grain.....	50b, 9
Rollers.....	50c, 9; 80a, 3
Crutches.....	30f, 4
Cryptographic apparatus.....	42n, 14
Type-writers.....	15g, 20
Crystal designs.....	75d, 19
Crystallizing, generally.....	12c, 2
Oxids, hydroxids, and carbonates of alkalis.....	12l, 15
Sugar-juice.....	89d, 2
Cue-tip fastenings for billiard-cues.....	77c, 12
Cue-tips for billiard-cues.....	77c, 13
Cues, billiard.....	77c, 11
Cuff buttons.....	44a, 18
Fasteners, combined with cuff.....	3a, 6
Holders.....	3a, 6
Protectors.....	3a, 6
Cuffs.....	3a, 5
Cultivation of soil, chemical.....	45l, 2
Mechanical.....	45a
Cultivators, resilient teeth.....	45a, 28
Culture, bee.....	45h, 16
Beetle.....	45h, 15
Butterfly.....	45h, 15
Crab.....	45h, 17
Fish.....	45h, 17
Insect.....	45h, 15
Media for bacteria.....	30h, 14
Oyster.....	45h, 17
Pearl-bearing mussel.....	45h, 17
Poultry.....	45h, 12, 13
Sponge.....	45h, 17
Worm, including silkworm.....	45h, 15
Cultures, bacteriological.....	30i, 14
Cupboards, convertible.....	34i, 22
Knockdown.....	34i, 19
Screened.....	34i, 22; 34i, 21
Cup-packing.....	47f, 25
Cupola-furnaces.....	31a, 1
Cupping-glasses.....	30k, 2
Cups, communion.....	64a, 2
Drinking.....	34f, 11
Folding.....	33d, 4
Silver.....	76b, 20
Curbing.....	19c, 6
Curettes.....	30a, 11
Curlyers, hair.....	33c, 1, 3
Curling irons and tongs.....	33c, 1, 2
Current collecting for electric machines.....	21d, 20-22
Collectors, bow, for electric railways.....	20l, 9
For electric railways.....	20l, 8-20
Connections for galvanic cells.....	21b, 3
Converting.....	21d, 8, 34
Direction indicators.....	21c, 13
Selectors.....	21g, 11
Generators, electric.....	21d, 1-5, 27-33

	Classification.
<b>Current</b> meters, electric.....	21e, 3
Meters for gases.....	42e, 23
For watercourses.....	42c, 40
Regulation of alternating-current generators.....	21d, 31
Regulators, (rheostats).....	21c, 46-56
Supplying to electric furnaces.....	21h, 11
To electric railways.....	20k, 13, 14; 20l, 4-7
Transformers.....	21d, 8, 34-36, 48, 49; 21g, 11-13
Currycombs.....	45h, 8
Curtain holders.....	34e, 3, 12, 13, 14
Looms.....	25b, 12
Operating devices.....	34e, 10, 11
Protectors.....	34e, 15
Rod holders.....	34e, 2
Rods and fittings.....	34e, 1-3
Rollers, photographic.....	57a, 27
Stretchers.....	8d, 16
Curtains.....	34e, 19
Car-window.....	20c, 39
Draw.....	34e, 19
Drawing, lowering, and raising devices.....	34e, 10, 11
Fastening to curtain-rods.....	34e, 12
Lace.....	25b, 11-14
Making.....	25b, 12
Protective for stages, (including iron curtains).....	37f, 1
Roller.....	34e, 19
Slat.....	37d, 27
Theater.....	77g, 1
As part of building.....	37f, 1
Curve drawing appliances.....	42a, 14
Measuring devices for maps.....	42b, 6
Wheels.....	42b, 6
Pull-offs for conductors of electric railways.....	20k, 9
Curves, French.....	42a, 15
Curvographs.....	42a, 14
Cushioned tires for cycles.....	63e, 15
For vehicle-wheels.....	63e, 2
Cushions.....	34f, 9; 34g, 19
Absorbent.....	30d, 14
Air.....	30e, 11
And fluid, as vehicle-springs.....	63b, 15
For bandages.....	30d, 21
For traveling.....	33d, 8
Carriage.....	63b, 2
For carrying babies, ( <i>steckkissen</i> ).....	3a, 2
Pin.....	52a, 58
Sewing.....	3d, 7; 52a, 58
Traveling.....	33d, 6
Cut-in and cut-out switches, electric.....	21c, 28-39
Cut-indicators for paper-trimming machines.....	11b, 7
Cut nails, making.....	7e, 11
Cut-off devices for gas-pipes.....	4c, 1-14, 22
For sewer-pipes.....	85e, 15-17
For steam-engines.....	14g, 3; 47g
For water-pipes.....	85d, 4; 85e, 7
Cut-out devices, electric.....	21c, 28-39
For arc-lamps.....	21f, 13
For electric heating and cooking apparatus.....	21h, 4
For electric railways.....	20k, 11
For incandescent lamps.....	21f, 46
Cut-outs, automatic.....	21g, 7-9
For induction-coils.....	21g, 7
Cut-and-thrust weapons.....	69, 27, 28
Combined with firearms.....	72a, 32
Cutlasses.....	69, 27
Cutlery.....	69
Cutter cylinders on hollanders.....	55c, 4
Heads for metal-working.....	49a, 55
For wood-boring machines.....	38b, 4
For woodworking.....	38e, 1
Cutters, brick.....	80a, 35-41
Bung-holes.....	38f, 6
Cigar.....	44b, 16; 79b, 16
Cigarette.....	79b, 16
Diagonal, for fabrics.....	8f, 8
For paper-machines and unprinted lengths of paper.....	55e, 6, 8
For cleaning steam-boiler tubes.....	13e, 3
Hand, for cutting sheaf-binding cords.....	45e, 1



	Classification.
<b>Cutters, heel and edge</b> .....	71c, 50
Lawn, for trimming edges.....	45f, 1
Longitudinal, for fabrics.....	8f, 9
For paper-machines and unprinted lengths of paper.....	55e, 4, 8
Pipe, hand-tools.....	7c, 19
Rail.....	19a, 28; 49b, 11-13, 15, 19-22
Roll-paper.....	70e, 18
Stack.....	45e, 1
Stamp.....	70e, 18
Thistle, combined with appliances for dis- tributing exterminating agents.....	45k, 4
For harvesting purposes.....	45c, 3
Thread, in embroidering-machines.....	52b, 14
In sewing-machines.....	52a, 38
Transverse, for fabrics.....	8f, 8
For paper-machines and unprinted lengths of paper.....	55e, 5, 8
Weft-thread.....	86c, 32
Wire.....	7d, 5
Nail lengths.....	7e, 10
Wood, for dovetailing and tenon-cutting.....	38d, 1
For making ornamentations.....	38e, 1
Wrapping-paper.....	70e, 18
Cutting apparatus, leather.....	71c, 11
Apparatus, linoleum.....	8f, 10
Margarin.....	53h, 2
Of rotary and bed-and-cylinder presses.....	15d, 25
Of universal tools.....	87c
Pile, on looms.....	86d, 9
Tailors'.....	3d, 5
Velvet, on looms.....	86d, 9
Wall-paper.....	8f, 10
Edges for pliers.....	87b, 4
For shears.....	69, 1
Instruments, surgical, generally.....	30a, 17
Machines, almond.....	53l, 9
Bacon, butchers'.....	66b, 1-4
For household use.....	34b, 1
Beet, for stock feed.....	45e, 35-37
For sugar-making.....	89b, 1
Bread.....	34b, 2, 6
Buttonhole.....	52a, 20
Cake.....	34b, 2
Candle.....	23f, 3
Candy.....	53l, 9
Cardboard.....	54a, 1
Chain, for woodworking.....	38d, 1
Cheese.....	34b, 4
Chicory.....	53d, 5
Chocolate.....	53l, 9
Confectionery.....	53l, 9
Cork.....	38g, 2
Dough.....	2b, 8, 14
Fabric.....	8f, 8-10
As part of loom.....	86c, 32; 86d, 5, 9
Feed.....	45e, 35-37
Fleshings.....	28b, 28
For beveling cards.....	11b, 8
For horn, etc.....	39a, 5
For mining.....	5b, 9
For woodworking.....	38b, 5, 8; 38e, 1, 11
Gear-wheel.....	49a, 51; 49b, 6
Glass.....	32a
Glue.....	22l, 9
Grain.....	50b, 9
Groove, metal-working.....	49c, 1, 2, 5
Woodworking.....	38d, 1
Heel.....	71c, 31
Keyway.....	49a, 50
Leather.....	28b, 22; 63a, 2; 71c, 31
Linoleum.....	8f, 12
Match-splint.....	78a, 1
Meat, butchers'.....	66b, 1-4
For household use.....	34b, 1
Metal.....	49b, 11-15, 17-20
Autogenous.....	48d, 5
Noodle.....	2b, 13
Paper.....	11b, 1-9; 55e, 4-6
Paper-board.....	11b, 10; 54a, 3

	Classification.
<b>Cutting machines, peat</b> .....	10c, 2
Machines, pile.....	8b, 28; 86d, 9
Potato, for bulk treatment.....	45e, 35-38
For household use.....	34b, 3
Rag, for paper-making.....	55a, 7
Sample.....	8f, 11
Sausage.....	34b, 1
Screw, metal-working.....	49c, 1, 2, 5
Woodworking.....	38k, 5
Sheet metal.....	49b, 11-14, 19
Shingle.....	38k, 1
Shoe-sole.....	71c, 31
Soap.....	23f, 2
Straw.....	45e, 32; 55a, 5
Sugar.....	89g, 1
Cane.....	89b, 2
Thread, for ripping seams.....	52a, 38
Tobacco.....	79a, 4
Tooth, dentists'.....	30b, 4
For gear-wheels, etc.....	49a, 51; 49b, 6
Vegetable, for bulk treatment.....	45e, 35-38
For household use.....	34b, 3
Vencer.....	38i, 2
Wall-paper.....	8f, 10
Wheel, for clocks and watches.....	83c, 1
Zwieback.....	2b, 15
<b>Cutting-off lathes and machines for metal-work- ing</b> .....	49a, 14
Cutting-tools, making by pressing or forging.....	49g, 9
Of sheet-metal.....	7c, 41
Cuvettes for glass-making.....	32a, 19, 20
Cyanamids.....	12k, 7-10
Cyanids.....	12k, 7-10
Cyanogen compounds.....	12k, 7-10
Separating from coal-gas.....	26d, 8
<b>Cycle alarm devices connected with wheel structure</b> .....	63g, 5
Back-rests.....	63g, 4
Baggage-carriers.....	63g, 8
Bells.....	74a, 8
Actuated by wheels.....	63g, 6
Brakes.....	63i
Chain casings.....	63g, 9; 63h, 1
Chains.....	63k, 29
Cranks.....	63k, 30-32
Driving mechanism.....	63k, 1-21, 28-36
Fastenings.....	63f, 7-9
Foot-rests.....	63g, 14
Frames.....	63h, 1-12
Handle-bars.....	63h, 14-18
Hangers.....	63f, 5
Holders.....	63f, 6
In railway-cars.....	20c, 47
Lamps.....	4a, 40
Lights, including electric.....	63g, 7
Locks combined with alarms.....	63g, 5
Fitted to cycle.....	63f, 6
Independent of cycle.....	68a, 109
To prevent theft.....	63f, 7-9
Lubricating devices.....	63g, 15
Mud-guards.....	63g, 10
Pedals.....	63k, 33
Pumps.....	63e, 18, 19
Automatic appliances for renting.....	43b, 50
Riding, appliances for teaching.....	63f, 10
Courses for teaching.....	77e, 18
Roads.....	19c, 1-5
Saddle-posts.....	63h, 19
Saddles.....	63g, 1-4
Signal devices.....	63g, 6; 74a, 8
Sleds, driving mechanism for.....	63k, 22, 23
Spoke-nipples.....	63d, 18
Spokes.....	63d, 18
Wire, making.....	7d, 11
Sprockets.....	63k, 29
Stands.....	63f, 4
Steering apparatus.....	63h, 13
Steps.....	63g, 14
Supports.....	63f, 1-3

	Classification.		Classification.
<b>Cycles</b> .....	63, d-k	<b>Dark-room lamps</b> .....	57c, 14
Bicycle type.....	63h, 7	Dark rooms, photographic.....	57c, 14
Convertible.....	63h, 11, 12	Darning on looms.....	86c, 8
Dicycle type.....	63h, 8	Needles.....	52a, 40
Maintaining equilibrium by gyrostatic apparatus connected with steering apparatus.....	63h, 13	Making.....	7e, 2
Including gyrostatic apparatus.....	63f, 10	On sewing-machines.....	52a, 30
Nail-catchers for.....	63g, 15	Dasher-churns.....	45g, 20, 21
Packing for transportation.....	81c, 23	Dash-pots, air, generally.....	47a, 17
Railway.....	20c, 20	For cocks and valves.....	47g, 35
Skidding, means to prevent.....	63e, 12	For valve-gear of steam-engines.....	14f, 9
Spring-wheel.....	63d, 20-22	Dasymeters.....	42l, 2
Tandem.....	63h, 9	Date-indicators, (calendars).....	42n, 12
Track, converted from ordinary bicycles.....	63h, 11	Combined with timepieces.....	83a, 78
Tricycle and polycycle type.....	63h, 10	Dating stamps and pliers, automatically changing.....	43a, 35
Unicycle type.....	63h, 6	Hand.....	15h, 1
Water.....	65c, 9, 12	Davits.....	65a, 40
With coaster mechanism.....	63i, 9-12; 63k, 34	Dead-heads, heating, (metal-casting).....	31c, 14
With free-wheel mechanism.....	63i, 9-12; 63k, 34	Decalomania.....	75c, 6
Cycloidal bearing.....	47h, 24	Decanting.....	6b, 11, 14; 6c, 2
Cylinder gears.....	47b, 11	Deciphering appliances, (cryptography).....	42n, 14
Boring machines.....	49a, 31	By means of type-writers, (cryptographic type-writers).....	15g, 20
Drying machines for drying woven fabrics.....	8b, 3	Deckle-straps.....	55d, 15
Cards.....	76b, 9	Deckles.....	55d, 15
Current-collectors for electric railways.....	20l, 9	Decolorizing fats and oils.....	23a, 3
Driers.....	82a, 18, 19	Mineral oils and resin-oils.....	23b, 1
Grates for furnaces.....	24f, 13	Decorating pottery.....	80a, 57
Grinding machines.....	67a, 11	Decorations, stage.....	77g, 1, 2
Machines, paper-making.....	55d, 23	Decoys.....	45k, 11
Paper-board making.....	55d, 21	Deep-boring.....	5a
Power-presses.....	15d, 1-17	Drilling apparatus for.....	5a, 1-4
Presses for fabrics.....	8b, 19	Rods.....	5a, 4
Generally.....	58b, 5	Deer-licks, apparatus.....	45h, 4
Printing-machines for printing textiles.....	8c, 5-7	Material for.....	53g, 4
Processes.....	15k, 1	Deflectometers.....	42k, 26
Replacing apparatus for mechanical players.....	51d, 9, 10	Deflectors for furnaces.....	24k, 3
Sewing-machines.....	52a, 15	Light.....	4b
Washing-machines.....	8d, 6	Degreasing wool.....	29b; 76a
Cylinders as machine elements.....	47f, 18	Dehorners.....	45h, 10
Compartment, for cash-registers.....	43a, 8	Delivering mechanism for mowing-machines.....	45c, 20
Cutter, on hollanders.....	55c, 4	Demagnetizing, generally.....	21g, 5
For advertising purposes.....	54g, 6	Timepieces.....	85a, 86
For explosion and internal-combustion engines.....	46c, 4	Demijohns.....	81c, 25
For printing textiles.....	8c, 9	Denaturing alcohol.....	6b, 29
Movable, for steam-engines.....	14a, 10	Density of solids, liquids, and gases, apparatus for determining.....	42l, 1, 2
Oscillating, for explosion and internal-combustion engines.....	46a, 24	Dental chairs.....	30e, 15
For steam-engines.....	14a, 11	Implements, auxiliary.....	30b, 21
Printing.....	15b, 5; 15l, 5	Instruments.....	30b
Rotary, for explosion and internal-combustion engines.....	46a, 22, 23	Forceps.....	30b, 8
For radial steam-engines.....	14a, 13	Hammers and pluggers.....	30b, 3
Screening, for potato-digging machines.....	45c, 12	Saws.....	30b, 5
Threshing-machine.....	45e, 8, 9	Tooth boring and cutting.....	30b, 4
Cylindrical boilers.....	13a, 2, 4, 5	Veterinary.....	30c, 4
Printing apparatus, photographic.....	57c, 10	Machines, tooth boring and cutting.....	30b, 1
Screens for ore-dressing.....	1a, 21	Surgery.....	30b, 1-9
Ships.....	65a, 2	Dentifrices.....	30h, 13
Wool-washing machines.....	76a, 1	Dentistry.....	30b
Cymbals.....	51c, 36, 38	Chemical features.....	30h, 12
Cystoscopes.....	30a, 1	Mechanical features.....	30b
		Treating nerves of teeth.....	30b, 6
		Roots of teeth.....	30b, 6
Daggers.....	69, 27	Dentures.....	30b, 10-16
Dairy, chemical features.....	53e, 5	Deoxidizing ingot-iron.....	18b, 10
Mechanical features.....	45g	Dephlegmators for rectifying spirits.....	6b, 27
Products, testing.....	42l, 5	Depilating hides.....	28a, 1; 28b, 1-3
Damask-loom.....	86b, 7	Depolarizing galvanic cells.....	21b, 13
Damaskening.....	32b, 7	Fluids and solid materials for.....	21b, 6
Dampers (draft-regulators) for blast-furnaces.....	18a, 15	Deposits, electrolytic, for producing designs for surface ornamentation.....	75b, 2
(Draft-regulators) for furnaces, generally.....	24i, 1-3	Metal, galvanic.....	48a, 1-3, 6, 13
For heating-stoves.....	36a, 6	Ore, exploiting by removing gas.....	5b, 12
Electric, for alternating-current dynamos.....	21d, 33	Opening up.....	5b, 2
For measuring instruments.....	21e, 23	Depth indicators for channels.....	65a, 77
Sound, for pianos.....	51b, 34, 35	Indicators for elevators.....	35a, 24
For protection of ears, (antiphones).....	30d, 29	Measuring apparatus.....	42c, 28-31
For striking mechanism of music-players.....	51d, 15-17	Meters, electric.....	42c, 28
Dandy-rolls.....	55d, 17, 19	Generally.....	42c, 30
		Manometric.....	42c, 29



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<b>Derallers</b> .....	20h, 6
Derailing, means to prevent.....	20d, 28; 20l, 12
Derricks.....	35b
Desiccators.....	42i, 12; 42l, 13
Design drawing, apparatus and machines for.....	75a, 23
Producing on paper.....	
On surfaces.....	54d, 1; 55f, 4; 75b, 14; 75c, 9; 75d, 1, 6-25
On woven fabrics.....	75b, 1-14
.....	8c, 4, 7, 8, 11
Designs, artificial, imitation.....	75d, 23-26
Ceramic, imitation.....	75d, 25
Color, apparatus for testing and delineating.....	42h, 24
Contour.....	75d, 10
Ivory.....	75d, 18
Line.....	75d, 8
Natural, imitation.....	75d, 16-22
Ornamental, machines and apparatus for producing.....	75a, 23
Processes for producing.....	75b, d
Transfer, by use of hot iron.....	15k, 7
With iridescent effects.....	75d, 6
Desk lights.....	4b, 24
Pads.....	70d, 11
Tops for school-benches.....	34i, 11
Desks for telephone-booths.....	21a, 39
Reading.....	34i, 8
School.....	34i, 8, 10, 11
Writing.....	34i, 8
With means for reproducing the writing below the surface.....	15i, 3
Despatch, pneumatic.....	81e, 40-44
Despatching letters by registering-machines.....	43a, 24
Detaching devices for runaway horses.....	56a, 18
Detanning leather.....	22i, 3
Detective cameras.....	57a, 7
Detector-bars for train protection.....	20i, 32
Definining by electrolysis.....	40c, 10
Tin-plate.....	40a, 44
Detonating alarms, burglar.....	74a, 29
Alarms, fire.....	74a, 38
Compositions.....	78e, 2
Signals.....	74d, 7
For railways.....	21i, 43, 44
Toys other than firearms.....	77f, 6
Developers, photographic.....	57b, 13
Developing plates.....	57b, 8
"Devil's disks," (amusement apparatus of round-about type consisting of a rotating disk with various secondary movements).....	77e, 10, 18
"Dew-pictures," ( <i>hauehbilder</i> , pictures which become visible when breathed upon).....	75d, 5
Dextrin.....	22i, 2; 89k, 5
Dextrose, including that obtained from cellulose.....	89i, 1
Diagnosis by Röntgen rays, mechanical arrangements.....	30a, 6
Generally.....	30a, 1-7
Diagonal cutters for fabrics.....	8f, 8
For paper-machines.....	55e, 6
Dial games.....	77d, 17
Dials for clocks and watches.....	83a, 13, 14
For indicating and registering devices.....	42d, 2
Diameters, determining.....	42b, 22
Diamins.....	22a, 18
Diaminodioxyparsenobenzol.....	12q, 32
Diaminodiphenyl.....	22a, 6
Diaminooxynaphthalene.....	12q, 36
Diamond glass-cutters.....	32a, 33
Diamonds, artificial, producing.....	12i, 32
Setting.....	44a, 40
Tool, setting.....	49i, 6
Dianisidin.....	12q, 32
Diapers, infants.....	3a, 2
Diaphanie.....	75d, 2
Diaphragm draft-regulators.....	24i, 2
Gas-pressure regulators.....	4c, 27
Pressure-gages.....	42k, 9
Pumps.....	59a, 12

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<b>Diaphragms for cameras</b> .....	57a, 30
For electrolytic preparation of metals.....	40c, 3, 4
For electrolytic purposes, generally.....	12h, 3
For fluid-meters.....	42e, 18
For galvanic cells and storage batteries.....	21b, 2
For photographic objectives.....	42h, 33
For photomechanical reproduction.....	57d, 8
For radium and Röntgen-ray treatment.....	30f, 18
For Röntgen-ray examinations and diagnoses.....	
.....	21g, 17; 30a, 6; 57a, 7
For stringed instruments.....	51c, 4
For talking-machines.....	42g, 4
Diapositives.....	57b, 9, 12
Diarylmethane compounds, dyestuffs obtained from.....	22b, 13
Dyestuffs.....	22b, 10-14, 16
Diazo compounds.....	12q, 11
Dyestuffs.....	22a, 4-8
Dibbles.....	45b, 9; 45f, 4
Dibenzylamin.....	12q, 1
Dicalcium phosphate.....	16, 2
Dice cups.....	77d, 11
Games.....	77d, 11
Tops.....	77d, 16
Dictographs.....	42g
Dicycles.....	63h, 8
Die-expressing presses for clay manufactures.....	80a, 23, 26, 27
Dies for die-expressing presses.....	80a, 26, 27
For sheet-metal and tube manufacture.....	7c, 18
Dietetic preparations.....	30h, 3
Differential gearing, generally.....	47h, 7
Gearing for motor-cars.....	63c, 11
Governors for engines.....	60, 13
Pistons for steam engines.....	14a, 7
Pressure-gages.....	42k, 12
Diffusers for centrifugal pumps.....	59b, 1
For steam-turbines.....	14c, 4, 11
For sugar-making.....	89c, 1, 3, 4
Digesters.....	34l, 2
Cellulose and rag.....	55b, 2
Digestive processes for paper-making.....	55b, 2
Digging-machines.....	19e, 1; 84d, 2; 45a, 34
Dike-building.....	84a, 4
Dilators, surgical.....	30k, 18
Dinas bricks.....	80b, 8
Dining-tables.....	34i, 1
Dioramas.....	77g, 4
Dioxynaphthalene.....	12q, 17
Dioxynaphthalene-sulfo acid.....	12q, 24, 26, 28
Diphenylamin.....	12q, 17
Oxy.....	12q, 32
Diplosal.....	12q, 31
Dipper excavators.....	84d, 2
Dipping apparatus for molten glass.....	32a, 6
Frames for matches.....	78a, 4
Direction-posts.....	19e, 3
Directory-tablets for apartment-houses, etc., ("silent porters").....	54g, 2
Discharge devices for ore-dressing jigs.....	1a, 3
For platen presses.....	15d, 39
For power presses.....	15d, 25
Discharging gas-retorts, apparatus for.....	26e, 4-6
Printing textiles by.....	8n, 4
Disconnecting-devices, automatic.....	47a, 18
For buhr-mills.....	50b, 5
For doubling and twisting spindles operating on breaking of thread.....	76c, 18
For engine governors.....	60, 10
For gearing, not positively acting.....	47h, 20
Positively or automatically acting.....	47a, 18
For knitting-machines.....	25a, 26
For lace-making machines.....	25b, 3
For looms.....	86c, 26
For motor-cars.....	63c, 14
For music-boxes.....	51d, 11
For platen-presses.....	15d, 40
For shutting off steam-engines.....	14g, 3
For spinning and twisting frames operating on breaking of thread.....	76c, 17

Classification.	Classification.
<b>Disconnecting-devices, automatic for spool-</b>	
ing machines.....	76d, 8-10
In braiding-machines.....	25b, 3
Disengaging gear for shaft-couplings.....	47c, 16
Generally.....	47h, 20
Disguise-masks.....	3e, 2
Dish-washing machines.....	34c, 10
Dishes as tableware.....	34f, 11
Making of clay.....	80a, 31, 44
Of paper and paper-board.....	54f
Of sheet metal.....	7c
Disinfecting air.....	36d, 1
Apparatus and processes.....	30i
Cases for surgical instruments.....	30a, 19
Closets.....	85h, 17
Lamps.....	30i, 5
Systems on shipboard.....	65a, 17
Water.....	85a, 7
Closets.....	85h, 17
Disintegrating minerals chemically.....	40a, 1
Minerals mechanically.....	1a, 24
Textile fibers.....	29a, 1-7
Disintegrators for molding-machines.....	31c, 6
Grain, etc.....	50b, 8; 50c, 11
Disk closures for dispensing vessels.....	64a, 19
Counting mechanism.....	42p, 2
Mills.....	50b, 2
Openers for textile fibers.....	76b, 2
Or cylinder replacing apparatus for mechanical players.....	51d, 9, 10
Spooling machines.....	76d, 1
Valve gear.....	14e, 5, 6
Water-meters.....	42e, 6
Wheels, vehicle.....	63d, 2
Disks, making by cutting.....	49a, 43
Making of sheet metal.....	7c, 32
Rheidt, for seeders.....	45b, 16
Dispensing apparatus, coin-controlled.....	43b, 28, 29
For advertising-cards.....	54g, 14
For consistent masses (mustard, shoe-creams, etc.) for store-service.....	341, 34
For delivering change.....	43b, 15
For food as table utensil.....	34f, 21
For paper for advertising purposes.....	54g, 15
In sheets.....	70e, 18
For postage-stamps, rebate-stamps, etc.....	70e, 18
Coin-controlled.....	43b, 15
For railway-tickets.....	43a, 20, 22
Coin-controlled.....	43b, 26
Conductors.....	70e, 18
For wrapping-paper.....	70e, 18
Liquid.....	64, a-c
Dispensing vessels for sale of milk.....	45g, 4
For stores.....	341, 34
With special measuring devices.....	42e, 16, 20
Display apparatus with color-changing effects.....	77g, 9
Stands.....	54g, 17-19
Displaying coins in cash-registers.....	43a, 8, 9
In coin-controlled apparatus.....	43b, 4
Dissolving, generally.....	12c, 1
Distance measuring devices for maps.....	42b, 6
Measuring instruments.....	42c, 14-23
Pieces for iron reinforcements in reinforced concrete.....	37b, 4
Distillation, dry, of wood.....	12r, 1
Distilling alcoholic liquors.....	6b, 22-28
Apparatus for refrigerating-machines.....	17a, 17
Chambers.....	12a, 3; 26a, 9
Coal.....	10a; 26a, 1-12
Fats and oils.....	23a, 3
Fatty acids.....	23d, 1
For general chemical purposes.....	12a, 3
Furnaces.....	10a, 23
Glycerin.....	23e, 5
Liquid fuel.....	26a, 4, 10-13
Mineral oils.....	23b, 1
Molasses.....	12a, 3
Solid fuels.....	26a, 1-9
Tar.....	12r, 1
<b>Distilling water.....</b>	85a, 1
Zinc.....	40a, 33-40
By electrothermal processes.....	40c, 16
Distillery mash, fermenting.....	6b, 16-19
Mashing apparatus.....	6b, 1-7
Waste as fertilizer.....	16, 9
As stock feed.....	53g, 3
Distributing apparatus for liquid manure.....	45b, 5
Machines, fertilizer.....	45b, 23-31
Fertilizer steering apparatus.....	45a, 36
Distribution, alternating current.....	21d, 46, 47
Boxes for electric conductors.....	21c, 23
Continuous current.....	21d, 23-26
Of gas in gas-mains.....	4c, 15-22
Plates for electric wires.....	21c, 25
Distributors, oil, for calming the sea.....	65a, 79
Oil, for central lubricating systems.....	47e, 27
Pellet, for exterminating plants and vermin.....	45k, 4
Ditches for road-beds.....	19e, 5
Divers' suits.....	65a, 73
Dividers.....	42b, 14-16
Angle.....	42b, 15
Circle.....	42b, 15
Fleece.....	76b, 21-25
Line.....	42b, 14
Dividing clay, apparatus for.....	80a, 6
Powders, apparatus for (pharmaceutical).....	30g, 6
Diving apparatus.....	65a, 73
Bells for foundation-work.....	84c, 3
For vessels working under water.....	65a, 5
Toys.....	77f, 21
Divining-rods.....	42l, 13
Division-blocks for hay and straw presses.....	45e, 27
Dobby-loom.....	86b, 1-4
Döberein's acetylene-generators.....	26b, 19-24
Docks, floating and dry.....	65b, 2
Doctors for fabric-printing machines.....	8c, 9
For printing-presses.....	15d, 9
Document-covers, backs and stubs.....	11d, 3
Documents, destroying by comminuting, etc.....	55a, 5
Dog clippers.....	30c, 1
Collars.....	45h, 11
Kennels.....	45h, 1
Doll-stands.....	77f, 10
Dollies, rivet-head.....	49e, 12
Dolls for display purposes.....	54g, 7, 10
Dolls' eyes, eyelashes, eyelids, and wigs.....	77f, 10
Dolls as toys.....	77f, 7-13
Limb-joints for.....	77f, 9
Making of celluloid, papier-mâché, etc.....	39a, 22
Paper.....	77f, 8
Processes of manufacture.....	77f, 12
Walking, stepping, and rolling mechanism.....	77f, 10
Domes of watchcases.....	83a, 50
Domestic water-supply systems.....	85d, 2
Domino games.....	77d, 19
Door and window stops.....	68d, 29
Bells, electric.....	74a, 2
Buffers.....	68d, 18
Cases.....	37d, 18
Checks.....	68d, 9-17
Closers.....	68d, 1-7, 18
For swinging doors.....	68d, 3, 5
Contacts for buglar-alarms.....	74a, 22
Equipment.....	34e, 19
Fastening checks.....	68b, 28
Fittings.....	68c, 10
Machines and apparatus for putting in.....	38e, 6
Handles.....	68a, 69-73
Hinges.....	68c, 1-7
For holding doors in adjusted positions.....	68d, 3-4
For swinging doors.....	68c, 7
Making of sheet metal.....	7c, 36
Self-closing.....	68d, 6, 7, 17
Knobs.....	68a, 69-73
Lifters.....	34e, 17
Lintels.....	37b, 3
Locks.....	68a, 89-95
For railway-cars.....	68a, 91, 93
Jointly operated, for railway-cars.....	20c, 35



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<b>Door openers.</b> .....	68d, 1	<b>Draft measuring and testing devices.</b> .....	42k, 4, 5
Raising and lowering apparatus for coking-ovens.	10a, 12	Mechanism, railway.....	20e, 24
Securors.....	68b, 6, 7	Meters for liquids and gases in conduits, etc.	42k, 4
Switches, electric.....	21c, 36	Regulators.....	24i, 1-7
<b>Doors, air, for mine ventilation.</b> .....	5d, 2	Diaphragm, for furnaces.....	24i, 2
Bulkhead.....	65a, 19	For furnaces.....	24i, 1-3
Cleaning, for chimneys.....	24g, 2	For lamps.....	4a, 16
Coin-controlled.....	43b, 55	Steam-pressure, for furnaces.....	24i, 2
Coking-oven.....	10a, 12	<b>Drag anchors</b> .....	65a, 35
Raising and lowering.....	10a, 12	Chains in conveyer-troughs.....	81e, 3
Dam, for ventilation of mines.....	5d, 2	Mills.....	50c, 10
Double.....	37d, 18	<b>Drags for cultivation of soil</b> .....	45a, 30
Emergency, for railway-cars.....	20c, 36	<b>Drain-plows</b> .....	45a, 20
Fire, for furnaces.....	24k, 1	<b>Drainage and irrigation</b> .....	45a, 39
Fireproof.....	37d, 23	Devices, (roof-gutters, etc.).....	37c, 10
Flexible roll.....	37d, 22	Of bridges.....	19d, 1-3
Folding.....	37d, 18	Of permanent ways.....	19a, 1, 21
Or sliding together.....	37d, 23	Pipes.....	45a, 39
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Elastic cords as gymnasium appliances . . . . .	77a, 7
Fabrics . . . . .	86c, 1
Gores, machines for inserting in shoes . . . . .	71c, 63
<b>Elbow-pipes</b> . . . . .	47f, 1
Making . . . . .	7b, 17
<b>Electric appliances, auxiliary</b> . . . . .	21g
Batteries . . . . .	21b
Conductors . . . . .	21c, 1-17
Conduits and tubes for . . . . .	21c, 18-19
Connectors for . . . . .	21c, 20-26
Current distribution . . . . .	21d, 23-26, 46, 47
Furnaces for producing high temperatures . . . . .	21h, 6-11
Glass-fusing . . . . .	32a, 4
Generators, alternating current . . . . .	21d, 27-33
Continuous current . . . . .	21d, 1-5
Lamps, arc . . . . .	21f, 1-30
Incandescent . . . . .	21f, 37-42
Bases for . . . . .	21f, 43, 44
Broken filament, safety devices for . . . . .	21f, 64-66
Filaments for . . . . .	21f, 31-36
Hangers for . . . . .	21f, 57-59
Reflectors for . . . . .	21f, 53-56
Regulating intensity of light . . . . .	21f, 62, 63
Sockets for . . . . .	21f, 45-52
Lighting . . . . .	21f
Measuring devices . . . . .	21e, 1-13
Motor-generators . . . . .	21d, 8
Motors, alternating current . . . . .	21d, 37-45
Continuous current . . . . .	21d, 6, 7
Starting and regulating . . . . .	21c, 49-53
Osmosis for extracting sugar-juice . . . . .	89c, 1
Generally, hydro-extracting and drying . . . . .	12d, 1
Peat . . . . .	10c, 6
Search-lights . . . . .	21f, 10
Switches . . . . .	21c, 28-41
Transformers . . . . .	21d, 48, 49
Wiring systems . . . . .	21c



	Classification.		Classification.
<b>Electricity</b> , atmospheric, utilizing.....	21g, 14	<b>Embossing</b> , colored leaf.....	22g, 10
Meters.....	21e, 14-26	Machines for paper and paper-board.....	54d, 1
Electrifying apparatus.....	30f, 12-15; 43b, 48	For surface ornamentation.....	75a, 2
Machines.....	21d, 5	Rotary.....	15d, 23
Electrochemistry.....	12h; k; l; m; 18c; 21h; 40c; 48a	Paper and paper-board with colors.....	15d, 44
Electrode fastenings and connections.....	21b, 3	Without colors.....	54d, 1
Grids, making by rolling.....	7i, 10	Presses.....	15d, 44
Electrodes for arc-lamps.....	21f, 16, 76-81	For printing for the blind, gold printing, etc.....	15d, 44
For electric furnaces.....	21b, 11	For surface ornamentation.....	75a, 2
For electrolytical purposes.....	12h, 2	Inking mechanism for.....	15d, 43
For galvanic cells.....	21b, 7	Processes.....	15k, 6
For mercury-vapor lamps.....	21f, 82, 83	Stamps.....	15h, 7; 75a, 2
For preparation of metals.....	40c, 3, 4	With colors.....	15d, 44
For primary cells.....	21b, 7	Without colors.....	54d, 1
For storage batteries, forms for.....	21b, 18-22	Embrasures for guns, reducing to minimum size.....	72c, 2
Making.....	21b, 15, 16	Embroideries.....	52b, 10
Paste mixtures for.....	21b, 17	Corroded, (background removed by use of chemicals).....	52b, 10
For treatment of the sick.....	30f, 13	Cutting out and trimming.....	8f, 9
Metal, for arc-lamps.....	21f, 78	Shearing.....	8b, 32
Trough, for storage batteries.....	21b, 22	Embroidering implements.....	52b, 13
Electrodynamometers.....	21e, 2	Machines.....	52b, 1-3
Electroplating.....	48a	Automatic.....	52b, 3
Articles in bulk.....	48a, 12	Elements of and apparatus for.....	52b, 4-9
Electrolysis, bleaching by means of.....	8i, 3	For work in colors.....	52b, 5
For electrodeposition of metals.....	48a	Heilmann's.....	52b, 3
For manufacture of pigments.....	22f, 11	Multiple needle.....	52b, 3
For preparation of alloys.....	40c, 14, 15	Single needle.....	52b, 2
Of metals.....	40c, 1-13	Embroidery attachments for sewing-machines.....	52a, 59
For producing designs on surfaces.....	75b, 2	Backgrounds or foundations.....	52b, 10
For purifying drinking-water.....	85a, 7	Carbonized.....	52b, 10
For washing textiles, apparatus.....	8a, 5, 7, 9, 17, 18	Cards.....	52b, 4
Processes.....	8i	Corroded.....	52b, 10
Generally.....	12h, 1-3; 12i, k; l	Frame guides and frame holders.....	52b, 4
Electrolytes for electrodeposition of metals.....	48a, 5, 6	Frames.....	52b, 4
For primary cells.....	21b, 5, 6	Imitations of paper, machines for making.....	54d, 7
Electromagnets for arc-lamps.....	21f, 17	Miscellaneous features.....	52b, 10-13
For cranes.....	35b, 7	Patterns, stencils.....	52b, 13
For power transmission for gearing.....	47h, 8, 22	Embryo, determining sex.....	42l, 10
For removing foreign articles from eye.....	30a, 18	Embryotomic instruments.....	30c, 2
For telegraphy.....	21a, 21	Emergency brake apparatus for railway-trains.....	20f, 48
Generally.....	21g, 2	Doors for railway-cars.....	20c, 36
Electrometallurgy.....	40c	Exits for crowds.....	37d, 39
Electrometers.....	21e, 5	Ramps for railway-cars.....	20c, 38
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Electroplating.....	48a, 9, 11-15	Files.....	67c, 1
Baths.....	48a, 5, 6	Grinders.....	67a
Electroscopes.....	21e, 5	Wheels.....	67c, 1
Electrotechnics.....	20k; l; 21a-h; 35a; b	Emptying balloons, apparatus for.....	77h, 4
Electrotherapy.....	30f, 12-15	Cesspools, apparatus for.....	85e, 2
Elevated carrier systems with hoisting apparatus.....	35b, 1	Filtration plants, apparatus for.....	12d, 4
Railways.....	20a, 8, 9	Galvanic cells, apparatus for.....	21b, 4
Electric.....	20k, 1	Gas-producers, apparatus for.....	24e, 9
Mechanism for.....	20l, 30	Metallurgical furnaces, apparatus for.....	40a, 10
Elevation-measuring devices as leveling instru- ments.....	42c, 6	Sewers, apparatus for.....	85e, 2
Elevators.....	35a	Silos, apparatus for.....	81e, 36
Bucket.....	81e, 6-13	Superphosphate-chambers.....	16, 1
Builders'.....	35a, 4	Emulsifying fats and oils.....	23c, 2
Chain.....	81e, 13	Emulsions of medicines.....	30b, 2, 3
Discharging or tilting apparatus.....	35a, 1	Photographic.....	57b, 6, 8, 9
Electric.....	35a, 3	Enamel, applying.....	48c, 3
Endless chain.....	35a, 8	Paints for ceramic compositions.....	80b, 8, 23
Conveyer type ( <i>paternoster</i> ).....	35a, 7	For glass-painting.....	32b, 8
Fire-escape.....	61a, 6	Enameling ceramic materials.....	80b, 23
For mowing-machines.....	45c, 32	Furnaces for enameling metal.....	48c, 4
Generally.....	35a	Metals.....	48c
Hydraulic.....	35a, 2	Endless tracks, self-laying, for motor-vehicles.....	63c, 17
Koepe.....	35a, 10	End sleeves for electric conductors.....	21c, 23
Mail.....	35a, 5	Endoscopes.....	30a, 1, 2
With means for distributing.....	81e, 46	Endosmosis.....	12d, 1
Screw.....	81e, 5	Enema-syringes.....	30k, 4
Straw, for threshing-machines.....	45e, 11	Engaging gear for shaft-couplings.....	47c, 16
With catch devices.....	35a, 12-16	Generally.....	47h, 20
Ellipsographs.....	42a, 12	Engine governors.....	60
Elutriating substrate of lime.....	89h, 3	Signal systems, ships'.....	65a, 59
Embalming.....	30j, 9	Engineering, hydraulic.....	84a
		Engineers' cabs on locomotives.....	20b, 14

	Classification.		Classification.
<b>Engines, air-steam</b> .....	46d, 7	<b>Evaporation, moistening the air by</b> .....	36d, 12, 13
Ammonia.....	46d, 4	Evaporators, electric.....	21h, 3
Auxiliary.....	14c, 7; 60, 15; 88a, 6	For common salt.....	12l, 1
Carbonic acid.....	46d, 4	For drying apparatus.....	82a, 24
Cold vapor.....	46d, 4	For gas-generators.....	24e, 10
Compressed air.....	46d, 5	For sugar extraction.....	89e
Ether.....	46d, 4	Instantaneous.....	13g, 1
Gas-air.....	46d, 8	Trickling.....	12a, 2
Gas-air-steam.....	46d, 9	Or spraying, for sugar extraction.....	89e, 1
Gas-steam.....	46d, 6	Excavated materials, conveying and separating.....	84d, 5
Gunpowder.....	46a, 29	Excavators.....	19e, 1; 84d, 1-3
Heat.....	46d, 1-3, 6-11	Bucket.....	84d, 1
Hot air.....	46d, 1-3	Chain.....	84d, 2
Internal combustion, etc.....	46, a-c	Clam-shell bucket.....	84d, 3
Carbureters and vaporizers.....	46c, 6-13	Compressed air.....	84d, 4
Compound.....	46a, 11	Dipper.....	84d, 2
Cooling.....	46c, 18-23	Dry ground.....	84d, 2
Exhaust apparatus.....	46c, 29-32	For clay-digging.....	80a, 1
For liquid fuel.....	46a, 26-28	Force-pump.....	84d, 4
Four-cycle.....	46a, 4-6	Hand.....	84d, 1
Governing.....	46b, 7-19	Screw.....	84d, 1
By automatically shifting time of		Suction-pump.....	84d, 4
ignition.....	46c, 14	Wet ground.....	84d, 2
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Operating methods to cause ignition after		Excessive-voltage cut-outs.....	21c, 61
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Pressure-regulators.....	46c, 1	Gases from explosion and internal-combustion	
Regulating.....	46b, 7-19	engines, deodorizing and purifying.....	46c, 32
Starting.....	46c, 24-28	From explosion and internal-combustion	
Steering.....	46b, 1-6	engines, utilizing.....	14h, 3; 46c, 31
Structural details.....	46c, 2-5	Precipitating.....	24g, 6; 40a, 15
Two-cycle.....	46a, 12-19	Purifying.....	10a, 19; 12c, 2; 26d, 1-5; 46c, 32
Oil.....	46a, 26-28	Recovering and neutralizing, in cellulose	
Petroleum.....	46a, 26-28	manufacture.....	55b, 3
Solar.....	46d, 11	Silencers for explosion and internal-combustion	
Steam, (see Steam-engines).....	14a-h	engines.....	46c, 29
Engobe, applying to bricks.....	80a, 55	Steam-jet pumps.....	59c, 15
Engraving.....	15b, 1; 75a, 6-12; 75b, 10	Steam reservoirs.....	14h, 3
Apparatus and machines.....	75a, 6-12	Returning to boiler.....	13b, 12; 14h, 1
Plates for photographic purposes.....	57b, 7	Utilizing.....	14h, 3
Spindles.....	75a, 12	Exhausts of explosion and internal-combustion	
Entrenching-tools.....	69, 23	engines.....	46c, 29-32
Envelop machines, including those combined		Of gas-turbines.....	46d, 10
with printing apparatus.....	54b, 1	Of locomotives.....	20b, 14
Opening or sealing devices and machines.....	70d, 12	Of ships, under-water.....	65a, 4, 26
Envelops, advertising.....	54g, 4	Of steam-engines.....	14g, 10
Balloon.....	77h, 4	Of steam-turbines.....	14c, 11
Including manufacture.....	54b, 2	Exhibiting apparatus, coin-controlled.....	43b, 35-37
Tearing open, machines for.....	54b, 2	Receptacles.....	54g, 2
Window.....	54b, 2	Exhibitions, chromatropic.....	77g, 9
Epicyclic gearing, generally.....	47h, 7	For public entertainment, apparatus for.....	77g, 10
Equalizers for traction of vehicles.....	63b, 21	Kaleidoscopic.....	77g, 9
Equalizing devices (soaking-pits) for ingots.....	18c, 10	Expanded-metal for reinforced-concrete ceil-	
Equilibrium, maintaining on cycles.....	63f, 10	ings.....	37a, 2, 3
Erasers, blackboard.....	70e, 3	Linings for building purposes.....	37a, 3
Knife.....	70e, 17	Expansion apparatus for steam-engines.....	14d-f
Erasing devices.....	70e, 17	Bungs for barrels.....	64c, 24
Escalators.....	35a, 6	Reeds for looms.....	86a, 2
Eseapements for timepieces.....	83a, 26-32	Stoppers for liquid-handling apparatus.....	64a, 17
Regulating.....	83a, 22	Explosion and internal-combustion engines (see	
Escutcheons, keyhole.....	68a, 79	also Engines, internal combustion, etc.,	
Esthesiometers.....	30a, 4	and Internal-Combustion engines).....	46a-c
Etching apparatus and machines for photo-		Turbines.....	46d, 10
graphic printing forms and stereotype-		Water-elevators.....	59c, 8
plates.....	48d, 1	Explosions, coal-dust, in mines, preventing.....	5d, 3
Copper, for printing-forms.....	15b, 1, 5	In containers of inflammable substances, pre-	
Galvanic, of metal.....	48a, 16	venting.....	81e, 38
Glass.....	32b, 6	In gas-pipes, arresting.....	4c, 18
Metal.....	48d, 1	In petroleum-cans, etc., preventing.....	34l, 20
Needles.....	75b, 10	Explosive gelatin.....	78c, 11
Steel, for printing-forms.....	15b, 1, 5	Explosives.....	78c
Ether.....	12o, 5	Drying.....	78b, 2
Engines.....	46d, 4	Fuses for.....	78e, 2
Ray apparatus.....	30f, 16, 18	Gelatinizing.....	78c, 11
Eugenol.....	12o, 20	Special kinds.....	78c, 18
Eurhodins.....	22c, 1	Thawing.....	78e, 1
Evaporating for chemical purposes.....	12a, 2	Exposure-meters, photographic.....	57c, 4
Processes for sugar extraction.....	89d, 1	Expression apparatus for mechanical play-	
Generally.....	12a, 2	ers.....	51d, 29, 33
Receptacles (air-moisteners) for heaters.....	36d, 12	Extension apparatus, orthopedic.....	30d, 6



	Classification.		Classification.
<b>Extinguishers</b> .....	4d, 21-28; 61a, 17, 18	<b>Fabrics, elastic</b> .....	86c, 1
Burner-disk .....	4d, 21	Endless .....	86c, 3
Candle .....	4d, 24, 27	Examining for defects by the eye .....	8f, 3
Cigar .....	44d, 13	Figuring .....	8b, 4, 7, 8, 11, 31; 8n
Fire .....	61a, 11-18	Finishing .....	8a; b; i; k; m
Fluid-lamp, automatic and mechanical .....	4d, 21-26	Fireproofing .....	8k, 4
For cooking-burners, automatic .....	4d, 26	Folding .....	8f, 5, 7
For heating-burners, automatic .....	4d, 26	For ceiling and wall coverings .....	37a, 3
For inflammable-fluid containers .....	61a, 21	For foot-mats .....	34f, 24
For safety (mine) lamps, automatic .....	4d, 25	For gas-mantles .....	4f, 1
Furnace-fire .....	24k, 7	For wheel-tires .....	86c, 4
Hinged leaf, for oil-lamps .....	4d, 22	Fulling .....	8a, 30-32
Lamp .....	4d, 21-26	Goffering .....	8b, 31
Sleeve for oil-lamps .....	4d, 23	Impregnating .....	8a, 27; 8k, 3, 4
Extinguishing, fire .....	61a	Improving .....	8b, 33
Extracting fats and oils .....	23a, 2	Kneading, (fulling) .....	8a, 30
Glue, apparatus for .....	22i, 4	Knit .....	8a; b; i; k; m
Sugar .....	89c	Laying .....	8f, 5
From sugar-beets by means of alcohol .....	89c, 2	Loading .....	8m, 11
Extracts, drug .....	30h, 2, 3	Lustering .....	8b, 26
Extrusion, making sheet metal by .....	7b, 1	Measuring .....	8f, 1, 2, 4, 5, 7; 42b, 5
Making wire by .....	7b, 2	Mercerizing .....	8a, 24; 8k, 2
Presses for metal tubes .....	7b, 10	Mesh, for gas-mantles .....	4f, 1, 3
Eyeglass cleaners .....	34c, 13	Moistening .....	8b, 13
Frames .....	42h, 29	Mordanting, chemical features .....	8m, 11
Holders .....	42h, 31	Mechanical features .....	8a, 10
Nose-clamps .....	42h, 29	Napping .....	8b, 12
Eyeglasses .....	42h, 28-31	Packing .....	8f, 13
Eye pieces for optical instruments .....	42h, 2	Passing through bleaching, washing, or dyeing fluids in extended position .....	8a, 9
Protecting masks .....	30d, 27	Passing through bleaching, washing, or dyeing fluids in rope form .....	8a, 10
Protectors for animals .....	45b, 8	Pile, finishing, chemical features .....	8k, 1
Testing apparatus .....	30a, 3; 42h, 32	Finishing, mechanical features .....	8b, 29
Apparatus, coin-controlled .....	43b, 47	Weaving .....	86d
Mirrors .....	30a, 3; 42h, 32	Plaiting .....	8g
Eyelet binding machines (bookbinding) .....	11a, 7	Press-board inserting, machines for .....	8b, 17
Button fasteners .....	71c, 61	Pressing .....	8b, 22, 24
Setting implements and machines for paper manufactures .....	54b, 8	Printing .....	8c, 1, 4, 7, 8, 11; 8n, 1-4
For shoemaking .....	71c, 60	Producing ratiné effects .....	8b, 31
For wearing apparel .....	3c, 10	Silk luster .....	8b, 17, 18, 19, 21, 26
Eyelets for lacing dresses and shoes .....	71b, 2	Putting up .....	8f, 13
Making of sheet metal .....	7c, 45	Removing dust from .....	8e, 3
With plastic coatings .....	39a, 17, 23; 71b, 2	Renovating .....	8e, 2
Eyelids for dolls .....	77f, 11	Scouring .....	8b, 25
Eyes, artificial .....	30d, 26	Shearing .....	8b, 14
Dolls', mechanism for .....	77f, 11	Shrinking .....	8b, 13
Treatment of .....	30d, 26	Singeing .....	8b, 16
Fabric breadths, cutting in loom .....	86c, 32	Sizing .....	8a, 27, 29; 8k, 1
Breadths, trimming .....	8f, 8-10	Smoothing .....	8b
Buttons .....	44a, 1, 2	Softening .....	8b, 27
Designs .....	75d, 21	Steaming, (sponging) .....	8b, 13
Fulling machines .....	8a, 30	Stretching .....	8b, 2, 4-6
Measuring apparatus .....	8f, 1, 2, 4	Tentering .....	8b, 2
On looms .....	86e, 20	Terry .....	86d, 6
Sample clamps .....	8f, 13	Trimming .....	8f, 10; 52a, 51
Wicks .....	4a, 4, 5	Tubular .....	86c, 3
Winding apparatus for looms .....	86c, 19	Turning .....	8b, 9
Fabrics .....	86c, 1-7	Tufted .....	86d, 6
Asbestos .....	86c, 1	Washing .....	8a, 1-19; 8i, 5
Beating .....	8b, 15	Waterproofing, chemical features .....	8k, 3
Bleaching .....	8a, 1-19; 8i, 1-3	Mechanical features .....	8a, 27
Breaking and softening .....	8b, 27	Winding .....	8f, 3, 7
Brushing .....	8b, 15	Wire-woven .....	86f
Calendering .....	8b, 21	For driving-belts .....	47d, 4
Carbonizing .....	8b, 31	Façades of buildings, cleaning .....	37d, 40
Cementing or gluing together, (for oil-cloth, etc.) .....	8h, 7	Face plates for metal lathes .....	49a, 20
Cleaning .....	8e, 2	Powder .....	30h, 13
Clipping .....	8b, 14	Boxes .....	33c, 12
Coating .....	8a, 27; 8h, 1-7; 8k, 3, 4; 8l, 1, 2	Faceting hollow glassware .....	67a, 18
Crape effects, producing .....	8b, 31	Facial wrinkles, treating .....	30d, 5
Cutting .....	8f, 8-10	Facing-bricks as structural elements .....	37b, 1
Darning .....	86c, 8	Making of cement, clay, plaster of Paris, etc. .....	80b, 14
Doubling .....	8f, 6	Factice, (rubber substitute produced by vulcanizing oil) .....	39b, 4
Drawing off moisture .....	8b, 1	Fading or bleaching processes for photographic purposes .....	57b, 18
Drawing threads in .....	25d, 3	Fagoting and piling for welding purposes, etc. .....	18b, 4
Drying .....	8b, 1-6, 9	False work, arched .....	37b, 3
By sucking off water .....	8b, 1		
Dyeing .....	8a, 9, 10, 14; 8m		

	Classification.		Classification.
<b>Fan blowers</b> .....	27c, 6-10	<b>Fastenings, slide for shoes</b> .....	71b, 6
Brakes for railway-vehicles .....	20f, 13	Watch-chain .....	44a, 36
Holders .....	33d, 11	Wedge and key .....	47a, 1
Fancy cakes, packing-cases for .....	81c, 22	Fat content of milk, determining .....	53e, 6
Fanning-mills for cleaning and sorting grain .....	45e, 14	Emulsions .....	23c, 2
Fans for grain-cleaning machines .....	45e, 12	Preparations .....	30h, 8
Hand .....	33a, 15	Removing from bones .....	22i, 3; 23a, 1, 2
Mechanically driven .....	36d, 6	From cocoa .....	53f, 1
Ventilating .....	27c, 6-10; 36d, 6	From hides and bird skins .....	29b, 1
Fare-indicators, (taximeters) .....	42p, 12, 13	From leather .....	28a
Farm-wagons .....	45e, 31	From metal articles for galvanotechnical purposes .....	48a, 1
Farming .....	45a-h	Solvents, chemical .....	23c, 2
Farriery .....	45i	Testers .....	42l, 5, 7
Fasteners, "basquill," for windows .....	68b, 10	Traps for channels .....	85e, 9
Belt .....	3c, 8; 44a, 27-30; 56a, 2	Fats, cooking .....	53h
Collar .....	3a, 4	Extracting and purifying .....	23a, 1-5
Corset .....	3c, 5	Rendering .....	23a, 1
Making of sheet metal .....	7c, 45	Wool .....	23a, 5
Of wire .....	7d, 14	Fatty acids .....	23d, 1
Cover, for clay-presses .....	80a, 15	Materials, molding and printing .....	23f, 1
Cuff .....	3a, 6; 44a, 18	Feather curling machines .....	3e, 3
Connected with cuff .....	3a, 6	Dusters .....	34c
Door .....	68a, 68; 68d, 18	Picking machines .....	8e, 5
For trunks, including locks .....	33b, 11	Sorting machines .....	8e, 5
For wearing-apparel .....	3c; 71b, 1-8	Trimmings for dresses, etc. ....	3b, 2
Gaiter .....	3c, 7	Feathers, artificial .....	3e, 4
Glove .....	3c, 6	Artificial, furs made of .....	3e, 6
Hook, for shoes .....	71b, 6	As fertilizer .....	16, 8
Horse-collar .....	56a, 6	Bed, cleaning, filling, sorting, making of bird-feathers, etc. ....	8e, 5
Knapsack .....	33b, 11, 12	Removing down .....	8e, 5
Lid, for kitchen utensils .....	34l, 13	Renovating .....	8e, 5
Metal, (paper-box making) .....	54a, 8	Bird, for hats, etc. ....	3e, 3
Necktie .....	3b, 15	Making into bed-feathers .....	8e, 5
Pocket .....	3c, 4	Dyeing .....	8m, 10
Rotary bar, for windows .....	68b, 11	Ornamental, preparing .....	3e, 3
Safety, for bags .....	33b, 12	Separating beard from quills and treating quills .....	3e, 3
Snap, for wearing-apparel .....	3c, 2	Fecal-matter as fertilizer .....	16, 11
Spanish, for windows .....	68b, 11	Extracting fats from .....	23a, 4
Stair-rod .....	34f, 25	Incinerating .....	24d
Umbrella .....	33a, 3	Feed, animal, preparing .....	53g, 1-6
Window, generally .....	68b, 9-16	Bags .....	45h, 4
Fastening articles to cards, devices and machines for .....	81a, 12	Cookers .....	53g, 6
Devices for accordions .....	51c, 32	Cutting machines .....	45e, 35-37
For roller-curtains .....	34e, 7, 8	Pails .....	45h, 4, 5
For umbrellas .....	33a, 2	Racks .....	45h, 1
Feed-wires in electric lamps .....	21f, 39	Troughs .....	45h, 4, 5, 15
Hooks for life-saving ladders .....	61a, 1	Animal-excluding gratings for .....	45h, 1
Mantles in lamps .....	4a, 21	Mechanism for metal-working lathes .....	49a, 13
Reflector-holders to lamps .....	4b, 14	For rock-drilling machines .....	5b, 14
Screws .....	47a, 6	For woodworking-machines .....	38b, 8
Sounding-boards in pianos .....	51b, 10	For woodworking saws .....	38a, 8
Torpedoes on rails .....	20i, 43	Pumps, boiler .....	59c, 11-15
Fastenings and locks for traveling-bags, etc. ....	33b, 11	Regulators, boiler .....	13b, 13-17
Bracelet .....	44a, 33	For steam-generators of gas-producers .....	24e, 10
Button, for shoes .....	71b, 5	Water preheaters .....	13b, 2-4
Cardboard box .....	81c, 13	Purifiers .....	13b, 5-7
Cartridge-pouch .....	72d, 9	Separating air from .....	13b, 18
Clamp .....	47a, 1	Oil from .....	13b, 5
Clasp, for shoes .....	71b, 7	Feeders for straw-cutting machines .....	45e, 34
Flag and flagstaff .....	37d, 34	For threshing-machines .....	45e, 10
For animals in stables and field .....	45h, 2	Feeding apparatus for bucket elevators .....	81e, 12
For emergency-openings in buildings .....	37d, 39	Apparatus for carbureters .....	26c, 12
For hat-pins .....	44a, 21	For furnaces burning coal-dust, sawdust, peat, etc. ....	24l, 3, 4
For hats .....	41c, 8	For metal blanks .....	49b, 31
For jewelry .....	44a, 37	For textile fibers, (spinning) .....	76b, 7
For lamp-shades .....	4b, 13	Mechanism for cards, envelops, etc., in printing-presses .....	15e, 12
For scarf-pins .....	44a, 23	For sewing-machines .....	52a, 45-47, 50
For stovepipes .....	36a, 14	For shoemaking-machines .....	71c, 27
For structural elements .....	37b, 5	Feet, artificial .....	30d, 3
For table-lamps .....	4a, 24	Fellies, cycle-wheel .....	63d, 17
For trunks, bags, etc. ....	33b, 11	Vehicle-wheel .....	63d, 3
For wheels .....	20d, 28; 63d, 7, 8		
Furniture .....	34i, 21		
Laced, for wearing-apparel, including shoes .....	71b, 1		
Pocket .....	3c, 4		
Ring, for ring-shackles .....	68a, 105		
Which must be destroyed to be undone .....	81c, 16		
Shoe .....	71b, 1-9		



	Classification.
Felt cutting devices.....	69, 25
Roofing.....	37c, 6
Making, chemical features.....	81, 3
Mechanical features.....	8a, 28
Felting.....	41d
Apparatus.....	41d, 4
On looms.....	86h, 8
Machines.....	41d, 2
Felts, coated.....	41d, 4
For paper-making.....	55d, 10
Impregnating and sizing.....	8a, 28
Steaming.....	41d, 4
Varnished.....	81, 2
Fence-posts.....	37d, 36
Fences.....	37d, 36
Game.....	37d, 36
Snow.....	19e, 4
Wire, making.....	7d, 6; 37d, 36
Fencing, apparatus for teaching.....	77a, 27
Armor.....	77a, 23
Dummies.....	77a, 23
Gloves.....	77a, 23
Masks and shields.....	77a, 23
Fenders, railway-car.....	20d, 33
Fermentation processes for brewing, distilling, and yeast-making.....	6b, 16
For wine-making.....	6c, 1
Fermenting cocoa.....	53f, 1
Vats.....	6b, 17
Ferments.....	6b
Ferries.....	65a, 55
Ferrochrome.....	18b, 20
Ferrocyanogen compounds.....	12k, 7-10
Ferromanganese.....	18a, 10
Ferrosilicon.....	18a, 10
Ferrotypy.....	57b, 12
Ferrules for canes, etc.....	33a, 11
Fertilizing distributing machines.....	45b, 23-30
Distributing machines, steering apparatus for.....	45a, 36
Scattering apparatus.....	45b, 6
Fertilizers, inorganic.....	16, 1-5
Organic.....	16, 6-14
Fertilizing apparatus, hand.....	45b, 3
Festoon-stitch apparatus for embroidering- machines.....	52b, 7
Sewing machines.....	52a, 9
Fettering devices for animals to be slaughtered.....	66a, 4
For restraining animals during operations.....	30c, 5
Fiber bands, mercerizing.....	8a, 21
Bands, pressing and squeezing.....	8a, 33
Crosses.....	42c, 4-9, 14-17, 19-23, 43; 42h, 10, 34
Extracting machines, flax.....	29a, 2
Shredding devices, (paper-making).....	55c, 12
Fibers, textile, bleaching, dyeing, fulling, im- pregnating, mercerizing, washing.....	8a
Textile, bucking after dyeing.....	8m, 1
Bucking before dyeing.....	81, 4
Chemical preparation.....	29b, 1-6
Drying.....	29b, 4; 82a
Mechanical preparation.....	29a, 1-7
Preliminary treatment for spinning.....	76b, 1-37
Removing air from.....	81, 4
Retting.....	29a, 4; 29b, 2
Vegetable, separating seeds, stalks, and leaves.....	29b, 2
Fibrous materials, impregnating.....	8a, 25-29; 8k, 3
Loading.....	8m, 11
Pressing and squeezing.....	8a, 33, 34
Printing.....	8c, 2, 5
Retting, including bacteriological processes.....	29b, 2
Sizing.....	8a, 25-29
Washing.....	8a, 1-19
Field cooking apparatus.....	341, 1
Glasses.....	42h, 11
Magnets for electric machines.....	21d, 16
Railways.....	19a, 24
Fifth-wheel structure.....	63b, 12
Filament-supports for incandescent lamps.....	21f, 37
Filaments for incandescent lamps.....	21f, 31-36
Apparatus for making.....	21f, 36

	Classification.
Filaments for incandescent lamps, carbon.....	21f, 31
Carbon or metal in chemical or mechanical combination with other materials.....	21f, 34
Metallic.....	21f, 32
Nernst.....	21f, 33
Special forms.....	21f, 35
File cutting machines.....	49d, 1, 2
Grinding machines.....	67a, 3
Handles.....	87d, 2
Planing machines.....	49d, 1, 2
Files.....	49b, 27
Corn.....	30a, 15
For leather.....	63a, 1
Hand, for metal.....	49b, 27
Making.....	49d, 1
Nail.....	33c, 11
Sharpening by chemical means.....	49d, 1, 2
Wood.....	38e, 5
Filing apparatus for saws.....	38a, 13
Letters, papers, etc.....	11e, 8-24
Machines, metal.....	49b, 26
Filler applying apparatus, (painting).....	75a, 20
Molds for cigars.....	79b, 2
Fillers, (paints, etc.).....	22g, 6
For drying apparatus.....	82a, 23
For fountain pens.....	70b, 6
Filling apparatus working by centrifugal force.....	81a, 6
Barrels and sacks, machines for.....	81a, 3
Bottles, apparatus for.....	64b, 9-11
Capsules and paper bags, apparatus for.....	30g, 6
Cigar-lighters with benzin, apparatus for.....	44b, 31
Compressed-air brakes, apparatus for.....	20f, 30
Confectionery, machines for.....	53l, 5
Filtration plants, apparatus for.....	12d, 4
In grooves, etc., for making tiles with surface designs, apparatus for.....	80a, 56
Lamps, apparatus for.....	4a, 2
Machines for upholstering.....	63a, 3
Match-boxes and the like.....	78a, 7
Packages, machines for.....	81a, 1
Preserving-cans, apparatus for household use.....	341, 21
Bulk treatment.....	81a, 2
Storage batteries, machines for.....	21b, 15
Tubes, machines for.....	81a, 2
Vertical gas-retorts, apparatus for.....	26a, 8
Fillings for teeth.....	30b, 6; 30h, 12
Film holders and receptacles.....	57c, 6
Stretchers.....	57c, 6
Films as carriers of sensitive coatings.....	39a, 16; 39b, 8
Celluloid.....	39a, 16; 39b, 5-7
Change-pack.....	57a, 14
Kinematograph.....	57a, 37; 57b, 1-3
Machines for coloring.....	57c, 13
Packing materials for.....	57b, 2
Photographic.....	57b, 1-3
Stripping.....	57b, 3
Filter cakes.....	12d, 9
Funnels.....	12d, 21
Materials, cleaning.....	12d, 26, 27
Making.....	55f, 12
Paper, making.....	55f, 12
Presses.....	12d, 5-9
Straining cloths.....	12d, 5, 13, 16
Filtering apparatus.....	12d, 10-24
Filters.....	12d, 2-27
Air, for buildings.....	36d, 2
For inhaling apparatus.....	30k, 12
For pneumatic cleaners.....	8e, 3
For purifying gases and vapors.....	12e, 2
Generally.....	50e
Centrifugal.....	12d, 17; 82b, 7
Charcoal.....	12d, 11
Coffee.....	341, 7
Drum.....	12d, 15, 16
Dust.....	8e, 3; 12e, 2; 36d, 2; 50e, 2, 4
Employing electricity.....	12d, 24
Feed-water, mechanical.....	13b, 5
For breathing-masks, (lie-saving).....	61a, 19
For cigars and cigarettes.....	79b, 18, 20
For coal-gas.....	26d, 1

	Classification.		Classification.
<b>Filters</b> for cocks, pipes, pumps, etc.	12d, 22	<b>Fire telegraphs</b> .....	74c, 14-22
For gases and vapors.....	12e, 2	Tongs.....	34d, 3
Gas.....	12e, 2; 26d, 1; 40a, 15, 16	Tube liners.....	24k, 3
Hose-shaped.....	12e, 2; 50c, 4	Tubes, cleaning.....	24g, 4
Light.....	57b, 18	<b>Firearm-supports</b> for cycles.....	63g, 8
Milk.....	45g, 5	<b>Firearms</b> .....	72a-c, h
Oil.....	12d, 23	Hand.....	72a; 72h, 1-5
Oxidizing, for purifying drinking-water.....	85a, 7	Toy.....	77f, 24
Smoke.....	24g, 6; 40a, 15, 16	<b>Fireplaces</b> .....	36a, 10
Sugar-juice.....	12d, 10, 11, 18	<b>Fireproofing fabrics</b> .....	8k, 4
Water.....	85a, 7	<b>Firework compositions</b> .....	78d, 1
Well.....	85d, 1	<b>Firing apparatus</b> for guns, (ordnance).....	72c, 13, 14
Wine.....	12d, 5-9, 13, 14, 18-20	Apparatus for guns, (ordnance,) combined with aiming devices.....	72f, 15
<b>Filtration plants</b> .....	12d, 2-4	For small-arms.....	72a, 25
<b>Finder switches</b> for telephone systems.....	21a, 64, 65	Arrangements for cooking and heating stoves.....	24a, 12
For cameras.....	57a, 9	Bolts for breech closures.....	72c, 13
<b>Finders</b> as optical accessories for photography.....	42h, 33	<b>Furnaces</b> for earthenware.....	80c, 4
Ground glass.....	57a, 9	Inclosed, for steam production.....	13g, 6
<b>Finger boards</b> for stringed instruments.....	51c, 3	<b>Mechanism</b> combined with means for regis- tering accuracy of aim.....	72f, 7
Boards for zithers.....	51c, 16	<b>Fish boning devices</b> as kitchen implements.....	34l, 15
Exercising devices.....	51b, 41; 42; 51e, 13	<b>Boning devices</b> as table implements.....	34f, 21
Formers.....	30d, 5	<b>Cleaning and dressing boards</b> .....	34l, 15
Nail brushes.....	9, 21	<b>Containers</b> for live fish.....	45h, 18, 19
Cleaners, cutters, files, etc.....	33c, 11	<b>Culture</b> .....	45h, 17
Ring gages.....	42b, 12	<b>Drying</b> .....	53c, 1
Rings.....	44a, 35, 38	<b>Killing appliances</b> .....	34l, 15
Combined with cutting devices.....	69, 26	<b>Ladders and passes</b> .....	84a, 3
Strengthening devices for piano-playing.....	51b, 42	<b>Live, transporting and storing</b> .....	45h, 18
Stretchers for writing.....	70a, 10	<b>Plate joints</b> .....	19a, 15-17, 19
Supporting devices for piano-playing.....	51b, 41	<b>Plates, angle</b> .....	19a, 19
<b>Fingers, devices</b> to insure correct position for writing.....	70a, 10	Bull-headed.....	19a, 19
<b>Finings</b> for beverages.....	6b, 16	Continuously.....	19a, 19
<b>Finishing apparatus</b> in looms.....	86h, 8	Cranked.....	19a, 19
Braids.....	8a, 2, 4, 9; 8k	Emergency.....	19a, 19
Cloth, chemical features.....	8i-n	Flat.....	19a, 15
Mechanical features.....	8a-g	Impact.....	19a, 17
Devices for braiding and lace-making ma- chines.....	25b, 8	Made by rolling.....	7f, 10
For looms.....	86h, 8	With adjustable keys.....	19a, 15
Felts.....	41d, 4	With supporting-flanges.....	19a, 15
Laundry.....	8d, 17-22; 8k	<b>Preserving</b> .....	53c, 1-3
Processes for knit goods.....	8b, 30	<b>Refuse</b> as fertilizer.....	16, 7
Textiles, chemical features.....	8i-n	<b>Scalers</b> .....	34l, 15
Mechanical features.....	8a-g	<b>Fishing rods</b> .....	45h, 23
Yarns on spooling-machines.....	76d, 19	Vessels.....	65a, 7
Woven fabrics, knit goods, etc.....	8b	With nets, baskets, pots, etc.....	45h, 20
<b>Fire alarms</b> .....	74a, 30-38; 74c, 14-23	Rods and hooks.....	45h, 21-23
Alarms, automatic.....	74a, 30-38; 74c, 19	<b>Fixatives</b> .....	22h, 5
Balloons.....	77h, 3	<b>Flags, fastening</b> .....	37d, 34
Boxes for boilers.....	13a, 20	Signal.....	74d, 10
Bricks.....	80b, 8	<b>Flagstuffs</b> .....	74d, 10
Bridges for furnaces.....	24k, 2	Fastening and lubricating.....	37d, 34
Curtains for stages.....	37f, 1	<b>Flails</b> .....	45e, 1
Damp analyzing and testing apparatus.....	42l, 4	<b>Flame-carbon</b> for arc-lamps.....	21f, 77
Indicators on miners' lamps.....	74b, 4	<b>Flames</b> under water.....	4g, 55
Preventing.....	5d, 2, 3, 9	<b>Flange-joints</b> .....	47f, 7
Telemetric devices for indicating.....	74b, 4	<b>Flanges</b> .....	47f, 7
Doors, furnace.....	24k, 1	On sheet-metal boxes and cans, producing.....	7c, 24
Engine nozzles.....	61a, 16	Packing.....	47f, 22
Engines, exclusive of pump structure.....	61a, 15	Pipe, producing.....	7c, 21
General construction of trucks.....	63b	<b>Flanging</b> .....	7c, 4, 20
Motor-driven vehicles for.....	63c, 3	Flap-valves.....	47g, 19
Piston-pumps for.....	59a, 13	<b>Flash-light apparatus</b> for photographic purposes.....	57c, 3
Escapes.....	61a, 1-10	Lamps.....	78d, 2, 3
Extinguishers, automatic.....	61a, 17, 18	Powders.....	78d, 1
Automatic, for furnace-fires.....	24k, 7	<b>Flashing glass</b> .....	32b, 9
Dry.....	61a, 14	<b>Flasks, molders'</b> .....	31c, 8
Extinguishing.....	61a, 11-18	Or bottles, laboratory.....	42l, 13
Nozzles, automatic.....	61a, 17	Pocket.....	33d, 4
On shipboard.....	65a, 17	Poison.....	30g, 4
Preparations.....	61b	<b>Flat carding engines</b> .....	76b, 10
Processes, chemical.....	61b	<b>Feet, treatment</b> and appliances.....	30d, 5
<b>Irons</b> .....	24f, 21; 34d, 3	<b>Flat irons</b> .....	8d, 21
<b>Ladders</b> .....	61a, 1, 3-5	Irons, electrically heated.....	21h, 3
<b>Lighters</b> .....	10b, 11-15; 24k, 6; 34d, 7	Strainers for paper-making.....	55d, 6
<b>Protection</b> by insulation.....	37b, 6	<b>Flattening machines, tobacco</b> .....	79a, 3
For cinematographs.....	57a, 37		
Screens.....	34f, 5		
Shovels, etc.....	34d, 3		



	Classification.
Flax, breaking.....	29a, 2
Combing.....	76b, 33
Drawing.....	76b, 28
Pullers.....	45c, 27
Retting and drying, apparatus for.....	29a, 4
Retting, including bacteriological processes.....	29b, 2
Removing fiber.....	29a, 2
Fleece distributors for carding-machines.....	76b, 13
Dividers.....	76b, 21-25
Steel band.....	76b, 22
Strap.....	76b, 23
Separators and winders for cards.....	76b, 14
Fleshing-machines.....	28b, 1-3
Flexible axles for railway-cars.....	20d, 6
Railway-couplings.....	20e, 11
Shafts.....	47b, 2
Tube pumps.....	59a, 12
Tubing, metallic.....	47f, 5
Metallic, making.....	7b, 9
Non-metallic.....	47f, 4
Fliers, (spinning).....	76c, 3
Flies, catching and destroying.....	45k, 1, 2
For striking mechanism of clocks.....	83a, 62
Flight, measuring time of, for carrier-pigeons.....	43a, 34
Floaf manometers.....	42k, 11
Valves.....	4c, 24; 26b, 31; 47g, 44
For gas-consumption regulators.....	4c, 24
Floating bodies for buoys.....	65a, 63
Bodies for pontoon-bridges.....	65a, 82
Compasses.....	42c, 32
Cranes.....	35b, 4
Docks.....	65b, 2
Jetties.....	19d, 6
Stranded ships.....	65b, 5
Floats as machine elements.....	47f, 20
For hydraulic air-compressors.....	27b, 5
For hydroplanes.....	65a, 9; 77h, 4
Flongs.....	15l, 9
Floor cleaners.....	37d, 40
Coverings, making.....	8h, 1-5; 80b, 16, 17, 25
Printing.....	8c, 1, 4, 7, 9-11
Oilers, waxers, etc.....	34c, 6
Polishers, scrapers, etc.....	37d, 40
Polishing brushes.....	9, 23
Implements, except brushes.....	34c, 6
Machines.....	34c, 5
Materials, floor-wax.....	22g, 6
Scrubbers.....	34c, 6
Floors.....	37d, 5-7
Brick.....	37d, 32
Cleaning.....	34c, 5, 6
Drying.....	82a, 9
Jointless.....	37d, 7
Painting, machines for.....	75c, 20
Planing by means of portable apparatus.....	38b, 3
Plaster.....	37d, 7
Sound-proof.....	37a, 3
Stone.....	37d, 6
Terrazzo.....	37d, 7
Wooden.....	37d, 5
Flour, bleaching and sterilizing.....	53c, 5
Grading apparatus.....	50d
In connection with baking.....	2c, 1
Potato.....	53k, 2
Preparation of.....	50b
Preparations.....	53k, 2
Sifters.....	50d
Testers.....	42l, 9
Flower baskets.....	34f, 26
Boxes, portable.....	34f, 6
Stationary.....	37d, 39
Culture.....	45f, 5
Holders.....	33d, 9
Lattices for gardens.....	45f, 1
For windows.....	34e, 19
Perfumes, artificial production.....	23a, 6

	Classification.
Flower pot coverings.....	45f, 7
Pots.....	45f, 7
Earthenware, making.....	80a, 13
Props and stays.....	45f, 13, 15
Shelves.....	34f, 6
Sprayers.....	45f, 21
Stands.....	34f, 6; 45f, 9
For windows.....	34e, 19
Tables.....	34f, 6
With means for training flowers, (trellises, etc.).....	45f, 13
Vases.....	34f, 6
Wire.....	45f, 6
Flowers, artificial.....	3e, 1
Natural, coloring by absorption of dyestuffs.....	75c, 5
Cultivating and utilizing.....	45f, 5, 6
Preserving and coloring.....	45f, 1
Flue ashes, collecting and removing.....	24g, 4-6
Boilers, marine.....	13a, 21
Dampers.....	24f, 1-3
Sliding.....	24f, 1-3
Kilns.....	80c, 5
Flues.....	24a; 24g, 4
Cleaning.....	24g, 4
Fluid barometers.....	42l, 14
Escapements.....	83a, 32
Heaters.....	36e, 1-6
Electric.....	21h, 3, 4
Level indicators.....	42c, 27
Regulators.....	12f, 4
Measures for barrels.....	64c, 12
For excise purposes.....	42l, 11
Generally.....	42e, 14-22
Pressure gages.....	42k, 11
Samplers.....	42l, 18
Strata, (laboratory apparatus, etc.).....	42l, 13
Fluids, clarifying and separating.....	12d, 1
Condensing; (solidifying).....	12c, 3
Decolorizing.....	12d, 1, 11
Solidifying.....	12c, 3
Flukes.....	5b, 7
Fluorin compounds, organic.....	12o, 2
Fluorins and fluorids.....	12i, 10
Flushing apparatus for sewer-conduits.....	85e, 20
Apparatus for water-closets.....	85h
Bowls.....	85h, 12-15
Tanks.....	85h, 1-8
Urinals.....	85h, 19
Flutes.....	51c, 23
Fluting fabrics and machines for.....	8g
Fluxes.....	18b, 11
Fly glue, applying to paper.....	54d, 6
Killers.....	45k, 1
Nets and covers for animals.....	45h, 8
Traps.....	45k, 1
Flying apparatus.....	77h
Apparatus, gas-inflated.....	77b, 1-4
Propelling mechanism for.....	77h, 10-15
Regulating equilibrium, (stabilizing).....	77h, 5
Without gas inflation.....	77h, 5-9
Machines.....	77h, 5-9
Beating or flapping wings for.....	77h, 10
Dynamic.....	77h, 5-9
Gliders.....	77h, 7
Helicopters.....	77h, 6
Hydroplanes.....	77h, 9
Kite-shaped.....	77h, 5
Launching apparatus.....	77h, 9
Maintaining equilibrium.....	77h, 5
Motor arrangements.....	77h, 5
Mounting, landing, and housing.....	77h, 9
Paddle-wheel.....	77h, 8
Stabilizing.....	77h, 5
Steering.....	77h, 5
Undulatory.....	77h, 8
With centrifugal wheels or the like under planes.....	77h, 12

	Classification.		Classification.
<b>Fly wheel clutches for sewing-machines.</b> .....	52a, 56	<b>Form-sticks for type-setting.</b> .....	15a, 4
Wheel machines, electric.....	21d, 26, 47	Formaldehyde.....	12o, 7; 30i, 4
Starting mechanism.....	47h, 20	Former-windings for dynamos.....	21d, 18
Wheels as machine elements.....	47b, 28	Formiate.....	12o, 11
For driving cycles.....	63k, 8	Formic acid.....	12o, 11
For explosion and internal-combustion engines.....	49c, 5	Forms, blast-furnace.....	18a, 5
<b>Focusing devices for cameras, positively acting.</b> .....	57a, 5	For rotary printing.....	15a, 11
Hoods.....	57a, 10	Lithographic.....	15d, 33
<b>Fog dispelling appliances.</b> .....	65a, 76	Ornamental.....	75b, 15-22
Horns.....	74d, 3	Processes for producing.....	75b, 15-29
Producing.....	45f, 10, 11; 65a, 26	Printing.....	15b, 2-6;
<b>Folding beds.</b> .....	34g, 15		15d, 33; 15k, 1; 15l, 9; 57d, 2-4, 6, 7
Chairs.....	34g, 6	Cleaning.....	15e, 16
Devices for printing-presses.....	15d, 25	Relief, making.....	75b, 15-19
Fabrics, machines for.....	8f, 5	Formulas.....	54b, 7
Laundry, machines for.....	8d, 20	Forte devices for pianos.....	51b, 33
Letter-paper, appliances for.....	70d, 12	Fortifications.....	72g, 3
Machines and apparatus, independent, for printing, and elements thereof.....	15e, 1	Fortune-telling apparatus.....	77d, 18
For bookbinding.....	11c, 5	Coin-controlled.....	43b, 20
For lamp-shades.....	54d, 5	<b>Foundation piles and piling.</b> .....	37e, 13
For rotary presses.....	15d, 25	Sites, excavating.....	84d, 1-4
Paper, cardboard, etc., appliances for.....	54d, 4, 5	<b>Foundations for buildings.</b> .....	84c
Sheet-metal cans.....	7c, 7-9	For buildings, examining.....	84c, 1
Sheet metal, machines for.....	7c, 4	Methods of forming.....	84c
Stamps for preserving-cans closing machines.....	7c, 9	For machines for building purposes.....	37f, 7
Tables for railway-cars.....	20c, 43	For steam-engines.....	14a, 16
<b>Foodstuff comminuting machines, etc.</b> .....	34b; 1-6, 8, 9, 13; 45e, 35-39; 50a-c	Subaqueous.....	84c, 2
Cutting machines.....	34b, 1-6; 45e, 35-39; 66b, 8, 9	Testing supporting capacity of.....	42k, 29
Dispensers for the table.....	34f, 21	<b>Founding metals.</b> .....	31a-c
<b>Foodstuffs, concentrated.</b> .....	53i, 4	Foundry-ladles.....	31c, 27
For live stock.....	53g	<b>Fountain-pens.</b> .....	70b, 4, 5
Generally.....	53c-f, h-k	Fountains.....	85g, 1
Packing.....	81c, 22	Drawing-room.....	34l, 26
Preparing.....	53k	Drinking.....	85d, 4
Preserving.....	53c; 53k, 1	<b>Four-cycle internal-combustion engines.</b> .....	46a, 4-6
Railway-cars for.....	20c, 10	Fractional distillation.....	12a, 3
Refrigerator cars and wagons for.....	17c, 5	Fractionating devices.....	6b, 24-26; 12a, 3
Wagons for transportation of.....	53a; 63b, 35	<b>Frame embroidering-machines.</b> .....	52b, 1
<b>Foot bags.</b> .....	33b, 2	Plates for lead accumulators.....	21b, 18
Balls.....	77a, 18	Saws.....	35a, 1-3
Levers.....	47b, 14; 52a, 55; 63k, 4-6	<b>Frames as machine elements.</b> .....	47a, 16
Lights for theater-stages.....	4b, 22	Canvas-stretching.....	75c, 18
Mats.....	24f, 24	Carpet-beating.....	8e, 1
Measuring devices.....	71c, 1	Cartridge, for machine-guns.....	72d, 10
Mechanism, (foot-motors).....	46e, 5	Door.....	7c, 44; 37d, 18; 38c, 6; 38e, 8
Oscillating lever.....	47h, 1	Drying, for laundry.....	8d, 16
Plates for skates.....	77b, 8	Embroidery.....	52b, 4
Rests for chairs.....	34g, 9	Eyeglass.....	42h, 29
For cycles.....	63g, 14	For electric-arc lamps.....	21f, 19
Rings for taming or training animals.....	45h, 9	Forcing, for plants.....	45f, 9
Stools.....	34g, 10	Hair-dressers' braiding.....	3e, 2
Automatic apparatus for renting.....	43b, 53	Lamp-shade.....	4b, 3
For putting on and lacing up shoes.....	34l, 24	Mirror.....	34f, 1
Supports for fitting shoes.....	54g, 18	Molding, for foundries.....	31c, 8
Warmers.....	3b, 13; 34l, 11	Paper and paper-board.....	54f
With source of heat.....	34l, 9	Pianos.....	51b, 2
<b>Force-measuring devices, (dynamometers)</b> .....	42k, 1-7	Picture.....	34f, 2
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Surgical.....	30a, 16	Racking.....	8b, 5
<b>Forcing beds and frames for plants.</b> .....	45f, 9	Spectacle.....	42h, 29
Foremashing apparatus for brewing.....	6b, 9	Stretching, for hides.....	25b, 7
Foresights for firearms.....	72f, 1	For leather.....	28b, 27
Forest-railways.....	19a, 24	For painters' canvases.....	75c, 18
Forestry.....	45f, 17, 18	Tentering.....	8b, 2
Forges.....	49f, 6	Under, for railway-cars.....	20d, 1-5
<b>Forging.</b> .....	49f, 1-8	Window.....	7c, 44; 38c, 6; 38e, 8
Articles made by.....	49g	As part of buildings.....	37d, 17
Machines.....	49f, 3, 4	As structural elements.....	37b, 3
Presses, hydraulic.....	49e, 8	Wooden.....	38c, 6
Mechanical.....	49e, 9	<b>Framing-chisels.</b> .....	38e, 4
Roll machines for making horseshoe-nails.....	7e, 16	Making.....	49g, 9
Forks, hay and straw.....	45c, 2	<b>Free balloons.</b> .....	77h, 1
Hay and straw, making by rolling.....	7f, 4	Freezers, ice-cream.....	17b, 6
Table.....	34f, 13	Freezing cells.....	17b, 2
Cleaners for.....	34c, 11	Points, determining.....	42i, 17
Making by forging and pressing.....	49g, 9	Processes for shaft-sinking.....	5c, 2
Of sheet-metal.....	7c, 41	<b>Freight cars.</b> .....	20c, 2-5, 7-12
Polishing.....	67a, 31	Cars convertible into automatic unloading-cars.....	20c, 14
		Distribution in freight-cars.....	81e, 27
		Ships.....	65a, 6



	Classification.
<b>French curves</b> .....	42a, 15
Frequency meters.....	21e, 7
Regulators for alternating-current genera- tors.....	21d, 33
Transformers.....	21d, 36
Fret-saws.....	35a, 7
Friction brakes for doors.....	68d, 14
Brakes for railway-cars.....	20f, 18
Clutches.....	47c, 7-9, 13
Compositions for matches.....	75b, 3
Gearing for motor-cars.....	63c, 7
Materials, applying to match-boxes.....	78a, 12
Meters.....	42l, 7
Operated steam-turbines.....	14c, 3
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Pawl mechanism.....	47h, 5
Surfaces for matches.....	44b, 28
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Gearing, generally.....	47h, 8
Wheels.....	47b, 25
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Cutting on edges of paper and paper-board.....	54d, 8
Making on looms.....	86c, 13
Frogs, rail.....	20i, 4
For suspension, cable, and rack-rail roads.....	20i, 9
Frost, preventing formation of, in coolers.....	17f, 7
Frosting glass.....	32b, 5
Froth dispellers.....	89c, 9; 89e, 5
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For evaporators (sugar-making).....	89e, 5
For milk-boilers.....	34i, 5
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Preventing in centrifugal machines.....	12d, 1; 82b, 16; 89e, 5
In dairy appliances.....	45g, 1
Frothing-taps for dispensing vessels.....	64c, 28
Fruit cabinets and stands.....	34i, 22
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Comminuting machines.....	45e, 35-37
Crushing machines.....	34b, 9
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Pressing machines.....	34b, 9
Seeding and stoning devices for bulk treat- ment.....	45e, 40-43
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Bed on furnace-grates, signaling devices indi- cating low condition of.....	74b, 8
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Containers for motor-cars.....	63c, 26
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Feeding devices for burners.....	4g, 1-6, 9-20, 27
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For explosion and internal-combustion en- gines when inseparably connected with cylinder and influenced by processes in cylinder.....	46a, 2
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For gas-generators.....	24e, 9
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Furnaces for.....	24b
Heating-stoves for.....	36b, 3
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	Classification.
<b>Fulling, combined, for woven fabrics</b> .....	8a, 32
Felt, machines for.....	41d, 4
Hammer, for woven fabrics.....	8a, 31
Ilide, apparatus for.....	28b, 26
Machines, centrifugal.....	41d, 4
Rollers, for woven fabrics.....	8a, 30
Troughs.....	28b, 7
Woven fabrics, machines for.....	8a, 30-32
Fumes, foundry, extracting gases from.....	40a, 15
Fumigating apparatus.....	30i, 2; 45h, 15; 45k, 4
Funeral requisites.....	30e, 16-19
Funnels for liquid-handling purposes.....	64b, 16-18
Making of sheet metal.....	7c, 24
Fur neck pieces.....	3e, 5
Furlike fabrics, making by weaving.....	86d
Furs, artificial.....	3e, 6
Artificial, made of feathers, hair, etc.....	3e, 6
Dyeing.....	8m, 10; 28b, 17
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Producing designs on.....	28b, 18
Furnace dust, binding.....	18a, 2
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Fronts.....	24k, 1
Plants.....	24a-1
Cooling firemen's stations.....	24k, 8
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Alternately fired.....	24a, 8
Annealing, electric.....	21h, 6-11
For iron and steel.....	18c, 9
For metals (except iron and steel) where special chemical processes are employed.....	48d, 5
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For steel wire.....	18c, 6
For wire (except iron and steel) where special chemical processes are employed.....	48d, 5
Automobile-boiler.....	24b, 6
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Bessemer.....	18b, 16-19
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Charging apparatus for.....	18a, 6
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Structural arrangements.....	37f, 7
Bone-black.....	12d, 11; 89c, 13
Brewing-kettle.....	24a, 13
Calcining.....	12b
Carbid.....	21h, 8
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Coke, (coke-ovens).....	10a, 1-20
Cooling, for glass articles.....	32a, 28, 29
Cremating.....	24d
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For metal-casting.....	31a, 3
For zinc extraction.....	40a, 40
Metallurgical.....	40a, 9
Cupola.....	31a, 1
Distilling, for lignite.....	10a, 23
Drying, for molds.....	31a, 4
Generally.....	82a
Electric, for glass-making.....	32a, 4
For production of high temperatures.....	21h, 6-11
Enameling.....	48c, 4
Flameless.....	24c, 1
Flue-kiln.....	80c, 5
For chemical metal-working.....	48d, 5
For liquid fuel.....	24b
For making electrodes, etc., for arc-lamps.....	21f, 8i
For solid fuel.....	24a
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Forging.....	49f, 6
Fusing.....	31a, 1; 32a, 1-4; 40a, 7-10
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	Classification.		Classification.
<b>Furnaces, glass-fusing</b> .....	32a, 1-5	<b>Furniture feet</b> .....	34i, 25
Hardening, for iron and steel.....	18c, 5	Fittings, (metal).....	34i, 27, 28
For metals, except iron and steel.....	48d, 5	For type-setting.....	15a, 4
<b>Hearth-smelting</b> .....	31a, 2	Joining parts of.....	34i, 27
<b>Heating, for forging purposes</b> .....	49f, 6	Locks.....	68a, 96, 97
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For metals, except iron and steel.....	48d, 5	Reclining.....	34g, 11-19
For tires to be mounted.....	49f, 6	Ships'.....	65a, 30, 31
<b>Incinerating</b> .....	24d	Structural parts for.....	34i, 27
Internal.....	24a, 2, 16, 17	Traveling.....	34g, 6, 15
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Martin.....	18b, 14, 15	<b>Furrowing-plows</b> .....	45a, 19
Melting.....	31a, 1; 32a, 1-4; 40a, 7-10	<b>Furrows, making</b> .....	45b, 7
Metal-extracting, except iron and steel.....	40a, 7-9	<b>Fuse-plugs, electric</b> .....	21c, 59
Metallurgical.....	40a, 1-10	<b>Fuses, electric, for explosives</b> .....	78c, 3
Muffle.....	24a, 13	For explosives.....	78c, 4
Electrically heated.....	21h, 3, 7	For projectiles.....	72i, 1
For distilling zinc.....	40a, 37	Percussion, for projectiles.....	72i, 3
For glass-making.....	32a, 31	Safety.....	21c, 59
Opening, for glass-making.....	32a, 31	Time, for projectiles.....	72i, 1, 2, 4
Oxyhydrogen.....	24c, 4	<b>Fusible plugs for automatic fire-extinguishers</b> .....	61a, 17
Peat.....	24l, 2, 4	For steam-boiler safety devices.....	13c, 19
Pot, for glass-making.....	32a, 2, 3	For valves.....	47g, 21
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"Push," (in which the ingots or blooms are pushed through).....	18c, 10	Apparatus, dentists', electrically heated.....	21h, 7
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Regenerative.....	24c, 6	Furnaces, glass.....	32a, 1-4
For chambered ovens for coke and gas making.....	10a, 1-8	<b>Gable roofing</b> .....	37c, 11
For kilns.....	80c	<b>Gage bars and tie-rods</b> .....	19a, 11
Reheating.....	18c, 10	Maintaining devices, (rail-braces, etc.).....	19a, 12
Retort, for gas-making.....	26a, 1-8	Meters for track-laying.....	19a, 29
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<b>Reverberatory</b> .....	24a, 14	Regulating devices.....	19a, 11
Firing.....	24a, 14	Variable, of railway rolling-stock.....	20d, 31
For metal-founding.....	31a, 2	Of street-cars.....	63b, 29
For treatment of pig-iron.....	18b, 14, 15	Widening.....	19a, 8-13, 22
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Metallurgical.....	40a, 3-10, 37-40	Ball and cone.....	42b, 21
<b>Ring, for heating rods and similar blanks</b> .....	49f, 6	Depth.....	42b, 22
Roasting.....	18a, 1; 40a, 3-6	Fixed, as measuring implements for shop use.....	42b, 17
Sawdust.....	24l, 2, 4	For inside measurements.....	42b, 22
Sectional boiler.....	24a, 10	For screw-threads.....	42b, 20
Self-feeding, (continuous charge).....	24a, 11	Limit.....	42b, 22
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For glass-making.....	32a, 4	Screw, (micrometers).....	42b, 19
For metallurgy.....	40a, 7, 39	Slide, (caliper-scales).....	42b, 18
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Siemens-Martin.....	18b, 14, 15	<b>Gaiters</b> .....	3b, 11
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Liquid fuel.....	24b	<b>Gallery driving</b> .....	5c, 4
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Steam-cooker.....	24a, 13	Metals.....	48a, b
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Ten Brink type.....	24a, 4	<b>Galvanoscopes</b> .....	21e, 1
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Tubular, for distilling zinc.....	24a, 13; 40a, 38	Carriers.....	45k, 11
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<b>Welding, for annealing, hardening, etc., iron and steel</b> .....	18c, 10	Preserve inclosures.....	37d
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Pneumatic.....	8e, 3	Ball.....	77c, 6, 7
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<b>Games, busy-work</b> .....	77d, 14	<b>Gas engines</b> .....	46a-d
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Educational.....	77d, 9	Pressure regulators.....	46c, 1
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Tables for, with special arrangements for games.....	77d	Heaters, including "quick heaters".....	36b, 1
Time-registering apparatus for.....	43a, 37, 38	Portable, for applying fluids to fabrics.....	8a, 29
Gang-planks for ships.....	65a, 32	Heating, generally.....	36b, 1, 2, 4-6
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Gantries for cranes.....	35b, 1	Holders, telescopic.....	4c, 38
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Wagons.....	81d, 1, 2, 4	Incandescent.....	4a, 11-18, 21-23
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Barometers.....	42l, 14	Putting on and removing, devices for.....	4f, 5
Baths.....	30f, 10	Supporting-pins for.....	4f, 4
Compounds for.....	30h, 11	Weaving.....	86c
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Burners.....	4g	From liquid fuels.....	26a, 4, 10-13
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Purifying.....	26d, 1, 5, 6	Mixture producers.....	4c, 44, 45
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Consumption regulators.....	4c, 23-26	Leak detectors.....	4c, 19
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	Classification.		Classification.
<b>Gas power</b> .....	24e; 26a; c; 46c, 12; 46d, 6-10	<b>Gearing, belt</b> .....	47h, 9
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Manufacture.....	4c, 39-43	Chain, for motor-vehicles.....	63c, 10
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Producer, manufacture.....	24e, 3-8	Generally.....	47h, 12-19
Producers.....	24e	Crank, for electric locomotives.....	20l, 21
Air and steam supply regulators.....	24e, 10, 13	Reversing.....	47h, 1
Apparatus for generating steam and for evaporating.....	24e, 10	Epicyclic, generally.....	47h, 7
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Materials, revivifying.....	26d, 8	For machine-tools.....	38a-e; 49a-c
Ranges.....	36b, 5	For motor-cars.....	63c, 6-11
With refuse-consuming appliances.....	24d	For motors of electric railways.....	20l, 21
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Scales.....	42l, 2	Reversing, for electric-car motors.....	20l, 21
Semi-oil.....	26a, 11	For locomotives.....	20b, 12
Semi-water.....	24e, 3-8	For motor-vehicles.....	63c, 6
Shut-off devices to change from main flame to pilot-flame, and vice versa.....	4d, 8	Generally.....	47h, 12-19
Sprayers.....	61a, 12	Ratchet.....	47h, 5
Steam engines.....	46a, 7; 46d, 6	Rope.....	47h, 10
Testing.....	42l, 2	Sprocket.....	47h, 11
Turbines.....	46d, 10	Spur-wheel.....	47h, 6
Under pressure, discharging from bottles.....	64c, 15	For cycles.....	63k, 1, 2, 3, 7, 9, 11, 15-18, 20, 21, 25, 27
For liquor-handling apparatus.....	64c, 1-7	Variable speed, intermittent grip.....	47h, 5
Venders, automatic.....	43b, 31, 32	Geissler tubes for electric illumination.....	21f, 85
Washers for coal-gas.....	26d, 2-4	Gelatin.....	22i, 7
Generally.....	12e, 2	Explosive.....	78c, 11
Water.....	24e, 1, 2	Preparations for remedial purposes.....	30h, 8
Traps.....	4c, 17	Working, mechanical.....	39a, 18
<b>Gases, absorption of</b> .....	12e, 1	Gem setting.....	44a, 40
Blast-furnace, as by-products.....	18a, 8	Settings, making.....	49i, 6
Combustible, manufacture.....	12i, 1; 24e; 26a-c	Gems, producing.....	12i, 32; 12m, 4, 6, 7; 80b, 8, 24
Cooling.....	26d, 1	Generators, electric.....	21d, 1-5, 8, 27-34
Electrochemical and electrothermic treatment.....	12h, 4; 12i, 26	Gas.....	24e
Filling incandescent-lamp bulbs with.....	21f, 40	Air and steam supply regulators for.....	24e, 10, 13
Flue.....	18a, 8	Gas-air.....	46d, 8
Generating by catalytic processes.....	26a, 3	Steam.....	46d, 9
Heating.....	10a, 19; 24e, 1-8; 26a, 1-13	Gas mixture.....	4c, 44, 45
Liquefying.....	12a, 4; 17g	Mixture for internal-combustion engines.....	46c, 6-10
Mixing with air.....	4c, 44, 45	Steam.....	46d, 6
With vapors, etc.....	12e, 4	Motor.....	21d, 8, 34
Noble.....	12i, 26	Or producers, gas.....	24e
Purifying.....	12e, 2; 18a, 8; 26d, 5, 6, 9; 40a, 15	Geodetics.....	42c, 1-27
Removing.....	10a, 19; 18a, 8; 26a, 15, 16	Geraniol.....	12o, 19
Separating from vapors.....	12e, 3	Germinating apparatus for seed.....	45b, 1
Gasifiers for internal-combustion engines.....	46c, 8	Vessels for brewing purposes.....	6a, 10
For liquid-fuel burners.....	4g, 23-36	Gilding metal articles.....	48a, 6, 13, 14; 48b, 10
For liquid-fuel furnaces.....	24b, 9	Moldings.....	75c, 4
<b>Gasoline</b> .....	23b, 1, 4	Gill-boxes.....	76b, 26
Engines.....	46a	Gilling-machines for wool, etc.....	76b, 26, 29
For driving ships' propellers.....	46a; 65f, 23	Gimlets.....	38e, 2
For motor-vehicles.....	63c, 26	Gins, cotton.....	29a, 1
Explosion-preventing appliances in containers.....	81e, 38	Girder bridges.....	19d, 3
Lamps.....	4a, 1-3, 8-10, 39-41; 4g	Poles for arc-lamps.....	21f, 22
Receptacles and storage, generally.....	81e, 38	Tilting and turning apparatus.....	87a, 22
Gasometers, (gas-holders).....	4c, 33-38	Girders, lattice.....	37b, 3
Gassing or singeing machines.....	8b, 16	Making by rolling.....	7a, 3
Gate-signals, railway.....	20i, 20	Protective caps for.....	37b, 6
Gates.....	37d, 18	Twin.....	37b, 3
Hangar.....	37f, 8	Girdles, laced.....	3a, 14
Lattice.....	37d, 36	Girth-tighteners.....	56b, 8
Sluice.....	84a, 3	Glass, applying gold-leaf to.....	32b, 10
Gauze, making.....	86c, 7	Articles, chipping or cracking off.....	32a, 33
Gear-wheels, generally.....	47b, 23	Cutting.....	32a, 33
Grinding.....	67a, 31	Molding under action of heat.....	32a, 25-27
Making by casting.....	31c, 16	Asbestos.....	32a, 22
By forging.....	49g, 6, 10	Beads, making.....	32a, 27
By milling.....	49a, 51	Blowing.....	32a, 7-15
By planing and slotting.....	49b, 6	Mouth.....	32a, 7, 8
By rolling.....	7f, 1	Sievvert process.....	32a, 11
		Boxes or cases.....	33b, 10
		Making.....	32a, 14-17
		Characters for printing.....	15a, 1
		Coating with metal.....	32b, 10



	Classification.		Classification.
<b>Glass compounding</b> .....	32b, 1-4	<b>Glue</b> .....	22i
Cooling.....	32a, 28-30	Applying machines for paper and paper-board.....	54d, 6
Coverings for roofs.....	37c, 8	Bottles.....	70d, 4
Cutters.....	32a, 33	Compositions, plastic.....	39b, 8
Decolorizing.....	32b, 2, 3	Cutting apparatus.....	22i, 9
Drawing.....	32a, 24	Drying apparatus.....	22i, 8
First manipulation of molten mass.....	32a, 7-24	Extracting.....	22i, 4
Flashing, spinning, coating.....	32b, 9	Heaters.....	38e, 9
Gratings.....	37d, 15	Liquid.....	22i, 6
Hardening.....	32a, 30	Materials for making, preliminary treatment.....	22i, 3
Letters for advertising purposes.....	54g, 12	Pots.....	38e, 9
Making.....	32a, 18	Presses.....	38e, 8
Making, (fusing, clearing, pouring, measuring).....	32a, 1-6	Rings for catching insects.....	45k, 2
Molding.....	32a, 25-27	Gluing-machines for backs of books.....	11c, 3
Molding tongs.....	32a, 25, 26	For making paper-boards.....	55f, 1
Ornamenting.....	32b, 5-11	For veneer.....	38c, 1
By sand-blast treatment.....	32b, 7	Gluten.....	53i, 1
Or coating with enamel.....	32b, 8	Glycerin.....	23e, 5
Painting with enamel.....	32b, 8	Nitrating.....	78c, 3
Panes.....	32b, 11; 75d, 2	Gnawing, protecting plants against.....	45f, 11
Plate, beveling.....	67a, 16	Goaf-filling by refuse-flushing systems.....	5d, 9
Blowing.....	32a, 10	Gobelin weaving.....	86c, 6
Grinding and polishing.....	67a, 15	Goggles.....	30d, 27
Making.....	32a, 7, 8, 10, 11, 19, 20, 22, 24	Gold beater's skins.....	49i, 2
Polishing and grinding machines.....	67a, 15, 19	Compounds.....	12n, 8
Pot furnaces.....	32a, 2, 3	Extracting.....	1a, 30; 40a, 20-25
Tongs.....	32a, 21	Fancy articles of.....	44a
Pots.....	32a, 2	Making.....	7c; 7d; 7e, 1-6; 7f, 10; 49i, 9
Pressing.....	32a, 16-18	Leaf, applying to cigarettes.....	79b, 19
Printing, machines for.....	15d, 2	For embossing.....	22g, 10
Quartz.....	32a, 35	Making.....	49i, 2
Rolling.....	32a, 19-22	Packing.....	81a, 11
Slabs.....	32a, 18	Packing-boxes for.....	81c, 27
Stained, craquelé.....	32b, 5	Precipitating from solutions.....	40a, 22
Imitation.....	75d, 2	Preparation, electrolytic.....	40c, 7
Stamping.....	32a, 23	Golf bags.....	77a, 21
Stretching.....	32a, 24, 32	Balls.....	77a, 16
Substitutes.....	75d, 2, 22	Sticks.....	77a, 21
Tubes, cutting, devices for.....	32a, 33	Gongs and gong-springs for clocks.....	83a, 61
For testing.....	42l, 13	As musical instruments.....	51c, 38
Window.....	32a, 7, 9-11, 27	For electric bells.....	74a, 6
Wire.....	32a, 22	Governors, admission, for internal-combustion engines.....	46b, 13
Wool.....	32a, 27	Brake.....	60, 9
Glasses, drinking.....	64a, 3	Differential.....	60, 13
Holders for.....	34f, 21	Electric.....	60, 20
Glaziers' diamonds.....	32a, 33	Fluid resistance.....	60, 8
Glazing, art.....	32b, 11	For engines and motors, generally.....	60
Art, imitation.....	75d, 26	For hydraulic motors.....	60, 16
Earthenware.....	80a, 54; 80b, 23	For locomotives.....	20b, 14
Fabrics, machines for.....	8b, 19	For regulating composition of mixtures for internal-combustion engines.....	46b, 14
Imitation.....	75d, 25	Idle stroke, for internal-combustion engines.....	46b, 7, 9-11
Metals.....	48c, 1	Indirect.....	60, 17-19
Or calendering rollers.....	8b, 19; 55e, 1; 57c, 12	Isochronous.....	60, 13
Rolls for paper-making.....	55e, 1	Lead.....	60, 7
Gliders.....	77h, 7	Marine engine.....	60, 12
Globes, arc-lamp.....	21f, 20	Controlled by movements of ship.....	65f, 27
Arc-lamp, stopping up.....	21f, 5	Pendulum.....	60, 5, 6
External, for incandescent lamps.....	21f, 56	For internal-combustion engines.....	46b, 8
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Glass.....	4a, 14	Pump capacity, for internal-combustion engines.....	46b, 17
Making.....	32a	Shaft.....	60, 21
Lamp.....	4a, 14; 4b, 4, 12	Speed, for mechanical players.....	51d, 18
Terrestrial.....	42n, 8	Throttle, for internal-combustion engines.....	46b, 12
Glove buttoners.....	33c, 10	Grabs, automatic, for cranes.....	35b, 7
Cutting machines.....	3b, 10	For dredges.....	84d, 3
Fasteners.....	3c, 6	Gradient-measuring instruments.....	42c, 6
Makers' implements.....	3b, 10	Grading. See Separating, Sifting, Sorting.	
Sewing machines.....	52a, 12	Graduation-towers, etc.....	12a, 2; 12l, 1; 17e, 1
Glover towers.....	12i, 25	Grafting.....	45f, 2
Gloves.....	3b, 10	Grain, aerating.....	6a, 10
Fencing.....	77a, 23	Applying distinguishing-marks to, for certain purposes.....	45e, 21
Operating.....	30a, 19	Bleaching.....	50a, 2
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Glowers for electric-arc lamps.....	21f, 79	Machines.....	45e, 12, 13; 50a, 1
For electric incandescent lamps.....	21f, 31-36		
Metallic filament, for incandescent lamps.....	21f, 32		
Nernst.....	21f, 33		
Glucose.....	89i, 1		
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	Classification.		Classification.
<b>Grain cutting and splitting machines</b> .....	50b, 9	<b>Gravel dressing</b> .....	1a, 11
Denaturing for stock feed.....	53g, 1-4	For mortar-mixing.....	80b, 1
Destroying germinating power of.....	45e, 21	Removing from watercourses.....	84a, 1
Driers.....	82a	Graves, monuments for.....	37f, 9; 80b, 17
Drills.....	45b, 10-12	Protecting.....	37d, 36; 37f, 7
Freeing of dust.....	45e, 20	Requisites for.....	37f, 9
Grading.....	50d	Graving-tools.....	75a, 12
Grinding.....	50b	Gravity car-handling tracks.....	20a, 1
Lifters.....	45c, 23	Specific, determining.....	42l, 1
Polishing machines.....	50a, 3-6	Gray's telegraphs.....	21a, 2
Samplers.....	42l, 17	Grease-traps for sewers.....	85e, 9
Scouring (brushing) machines.....	50a, 6	Grenades.....	72d, 17
Machines.....	50a, 3-7	Grid-plates for storage batteries.....	21b, 18
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Machines.....	45e, 12, 13	For machines for preliminary treatment of cotton for spinning.....	76b, 36
Particles of iron from.....	50a, 1	Grinders, horse-radish.....	34b, 3
Sifting.....	50d	Meat.....	66b, 2
Steaming.....	50a, 2	Oil-cake.....	50c
Steeping.....	45b, 1	Water-color.....	75c, 12
Stone-removing apparatus.....	45e, 19	<b>Grinding apparatus, machines, and processes</b> .....	67a
Testing apparatus.....	42l, 9	Belts.....	67a, 29
Ventilating.....	6a, 10	Disks.....	50b, 2
Washing machines.....	45e, 22; 50a, 2	Machines, card.....	67a, 30
Grained printing-forms.....	15b, 6	Catgut.....	67a, 9
Graining, artificial, of leather.....	28a, 11	Color.....	22g, 15
Effects, implements for applying colors, etc.....	75c, 20, 24	File.....	67a, 3
Leather, machines for.....	28b, 16	For eyeglasses and optical lenses.....	67a, 19
Linoleum.....	8h, 5	For hollow glassware.....	67a, 17
Material for photomechanical printing-forms.....	57d, 6, 7	For parabolic surfaces.....	67a, 20
Wood.....	75d, 16	For precious stones.....	67a, 21
Gramophones.....	42g	For round surfaces.....	67a, 9-12
Granaries, equipment.....	81e, 33-36	For treating articles in bulk (needles and steel pens).....	67a, 22
Structural features.....	37f, 2	Glass.....	67a, 15-19
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Grape stripping machines and rasps.....	6c, 1	Knife.....	67a, 6-8
Sugar.....	89i, 1	Leather.....	28b, 15
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Graphophones.....	42g	Protective devices for.....	67a, 28
Coin-controlled.....	43b, 39	Sand-blast.....	67b
Grapples, automatic, for cranes.....	35b, 7	Scythe.....	67a, 8
Grappling devices, magnetic.....	35b, 7	Sheet metal.....	67a, 13
Hooks.....	81e, 33	Soap.....	23f, 1
For bales.....	81e, 33	Stone.....	67a, 14
Irons.....	35b, 7	Terrazzo floor.....	67a, 14
Grate bars.....	24f, 3, 4	Tool.....	67a, 1-5
Bars, chilled castings for.....	31c, 16	Vegetable.....	34b, 8
Making by rolling.....	7f, 10	Wood.....	38c, 2; 55a, 1
Cleaning devices.....	24f, 21	<b>Grinding off cylinders</b> .....	67a, 11
Stoking devices.....	24f, 21	Processes.....	50b, 1
Grated doors.....	37d, 21	Wood.....	38c, 2
Graters, almond.....	34b, 8	For paper-making.....	55a, 1
Potato.....	34b, 8; 45e, 39	Rolls.....	50b, 7
For starch manufacture.....	89k, 1	Saws, apparatus for.....	38a, 12
Sugar-beet.....	89b, 3	Tools, generally.....	67c, 2
Wood, for paper-making.....	55a, 2	Wheels.....	67c, 1
Grates, basket-shaped.....	24f, 16, 17	<b>Grindstone compositions, artificial</b> .....	80b, 11
Double.....	24f, 2	Truing devices.....	67a, 26
For baking-ovens.....	2a, 1	Grindstones.....	67c, 1
For coal-gas washers and purifiers.....	26d, 6	Gripper devices for bed-and-cylinder presses.....	15d, 12
For gas-producers.....	24e, 11; 24f, 10, 20	Shuttles.....	86g, 8
Generally.....	24f	Grippers, cable.....	20a, 18-20
Hollow.....	24f, 5, 6	<b>Gripping devices for taking down articles and merchandise</b> .....	34l, 34
Removable.....	24f, 18	Devices for taking down curtain-rods.....	34e, 11
Roasting.....	34l, 10	Hooks for pipe-wrenches.....	87a, 14
Roller, for ore and fuel dressing.....	1a, 16	Traps, animal.....	45k, 8
Rotary.....	24f, 13, 14	Grist-mills.....	50b; c
Step and inclined.....	24f, 10, 11	Grooming implements.....	45h, 8
Sorting, for ore-dressing.....	1a, 15, 16	Grooved rails.....	19a, 20
Tipping and shaking.....	24f, 7-9	Rails, draining.....	19a, 21
Vertically adjustable.....	24f, 19	Roofing-tiles.....	37c, 1
Grating-machines, vegetable, for bulk treatment.....	45e, 39	Tile roofing, backings for.....	37c, 3
For household use.....	34b, 8	Grooves, making by cutting (woodworking).....	38d, 1
Gratings.....	37d, 36	Grooving and tonguing machines.....	38d, 1
For purification of waste water.....	85c, 6	Machines, (metal-working).....	7c, 4
For window protection.....	34e, 16	Paper-board.....	54a, 1
Sheet metal, making.....	7c, 30	Rollers for making paper-board boxes.....	54a, 1
Watercourse, (mill and water gratings).....	84a, 6	Saws.....	38d, 1



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<b>Ground ice, preventing</b> .....	84a, 6	<b>Hair, live, dyeing</b> .....	30h, 13
Roads, single rail.....	20a, 10	Nets.....	33c, 4
Tackle.....	65a, 20	Making.....	25e
Grounding, (earthing).....	20k, 11; 21c, 61	Pins.....	44a, 22
Growth-removing apparatus for watercourses.....	45c, 27	Making.....	7e, 4
Grubbers.....	45a, 28	Plating machines.....	3e, 2
Grubbing-machines.....	45f, 17	Removing (butchering).....	66a, 7
Guaiacol.....	12g, 14	(Cosmetics).....	30h, 13
Guard-rails, fastening.....	19a, 11	Retaining devices.....	33c, 4
Guards, dust, for journal-boxes of railway-cars.....	20d, 17	Straightening.....	3e, 2; 76b, 2; 8-10
Keyhole.....	68a, 66, 67	Washes.....	30h, 13
Mud, for baby-carriages.....	63b, 52	Washing apparatus.....	33c, 6
For cycles.....	63g, 10	Waving devices.....	33c, 3
For motor-vehicles fitted to car.....	69c, 26	Halls, structural features.....	37f, 1
To tire.....	63e, 1	Halogen and halogen compounds.....	12i, 2-10
To wheel.....	63d, 26	Compounds of hydrocarbons.....	2, 12o, 2
For vehicles, generally.....	63b, 9	Halters.....	45h, 2; 56a, 11
Guide-bars for manufacture of matches.....	78a, 5	Hammer drilling-machines for mining purposes.....	5b, 6
Guide and feed apparatus for metal blanks.....	49b, 31	Fulling for woven fabrics.....	8a, 31
Pulleys.....	47b, 27	Handles.....	87d, 1
Guides for fabric-finishing machines.....	8b, 4, 6, 10	Heads for piano-actions.....	51b, 23
Guilloche-work.....	75d, 8	Machines for horseshoe-nail forging.....	7e, 16
Apparatus and machines for.....	75a, 11	Presses for earthenware.....	80a, 13
Guillotine-shears for cutting metal.....	49b, 11	Shafts.....	87d, 1
Guitars.....	51c, 14	Hammers, bar drop.....	49e, 5
Gum as adhesive.....	22i, 2	Belt drop.....	49e, 6
Gumming apparatus, label.....	81b, 5	Compressed air.....	87b, 2
Apparatus for paper and paper-board.....	54d, 6	Drop.....	49e, 5, 6
Machines, shoe.....	71c, 30	Electric.....	49e, 3; 87b, 3
Gun barrels, making by boring, etc.....	49a, 32	For boiler-tube cleaners.....	13e, 4
Barrels, making by casting.....	31c, 17, 19, 24	Gas-power.....	49e, 1
By rolling.....	7a	Hand.....	87b, 1
Carriages and mounts.....	72c	Leather.....	28b, 12
Cleaners, (ordnance).....	72c, 15	Mechanical.....	49e, 4
(Small-arms).....	72a, 31	Medical.....	30a, 5
Cotton.....	78c, 6, 10	Of striking mechanism of clocks.....	83a, 62
Mounts.....	72c	Power.....	49e, 1-7
Powder.....	78c, 1, 8-17	Steam.....	49e, 1
Spades.....	72a, 4	Stone-working.....	80d, 1; 87b
Training machines.....	72f, 10-12	Tilt.....	49e, 7
Guns, (ordnance).....	72c, h	Tuning.....	51e, 13
Battery.....	72c, 17	Hammocks.....	33d, 5
Machine.....	72h, 6-10	Hampers.....	33b, 8; 81c, 10
Maxim.....	72h, 8	Hand bags.....	33b, 2
(Small-arms).....	72a	Barrows.....	63b, 39
Toy.....	72b, 4, 5	Baskets.....	33b, 2
Gutta-percha.....	39a, 13; 39b, 1-3	Borers.....	49a, 34
For electric insulation.....	21c, 2	Braces for metal-working.....	49a, 34
Gutters, roof.....	37c, 10	For woodworking.....	38e, 2
Street.....	19c, 6	Brushes.....	9, 3
Gymnasium appliances.....	77a, 1-11	Cars.....	20c, 19
Coin-controlled.....	43b, 42	Cuffs.....	68a, 110
For curative gymnastics.....	30f, 1	Drills for metal-working.....	49a, 34
Gypsum.....	80b, 6	Embroidery requisites.....	52b, 13
Slabs for building purposes.....	37b, 2	Excavators.....	84d, 1
Gyroscopes.....	42c, 42	Exercising apparatus for gymnasium.....	77a, 8
Gyroscopic clocks.....	83a, 80	Apparatus for piano playing.....	51b, 42
Compasses.....	42c, 35	Files for metal-working.....	49b, 27
Gyrostatic apparatus for maintaining equilibrium.....	20a, 10; 63c, 24; 63f, 10; 65a, 80; 77h, 5, 15	Grips for passengers in railway-cars.....	20c, 46
Generally.....	42c, 42	Hammers, compressed air.....	87b, 2
Hacking-machines.....	29a, 3	Electrically or mechanically driven.....	87b, 3
Hail-preventing cannons.....	45f, 10	Generally.....	87b, 1
Hair as fertilizer.....	16, 8	Knives for cutting sheaf-binding cords.....	45e, 1
Braiding frames.....	3e, 2	Lasting pincers.....	71c, 19
Brushes.....	9, 3, 15, 20	Lighters.....	4d, 4, 5, 13
Cleaning.....	33c, 8	Electric, for gas-burners.....	4d, 12
Care of.....	33c, 7	Looms.....	86c, 8
Crimpers.....	33c, 3	Mirrors.....	33c, 12
Curling or crimping combs, irons, tongs, etc.....	33c, 1	Molds for confectionery.....	53l, 2
Lamps.....	33c, 2	Motors.....	46e, 5
Dead, dyeing.....	8m	Nailing apparatus for shoemaking.....	71c, 46
Dressers' requisites.....	33c	Organs.....	51d, 2-7
Drying apparatus.....	33c, 6	Pieces for dental machines.....	30b, 2
Dyeing apparatus.....	33e, 7	Presses, copper-plate.....	15d, 9
For artificial furs.....	3e, 6	Lithographic.....	15d, 7
For felting.....	41d, 1	Printing devices.....	15h, 2
Holding devices.....	33c, 4	Protectors for lifting hot objects, etc.....	34l, 14
		Rails for stairways.....	37d, 3
		Saws.....	38a, 10
		Setting mechanism for electric clocks.....	83b, 4

	Classification.		Classification.
<b>Hand shears for metal-working</b> .....	49b, 17	<b>Harness boards</b> .....	86g, 12
Sieves for cleaning and separating grain.....	45e, 14	For draft animals.....	56a, 1-25
Stamps.....	15h, 1, 7	Rear.....	56a, 20
Steering apparatus for ships.....	65a, 46	For looms.....	86c, 7; 86g, 3
Supports for writing.....	70d, 8	Hangers.....	86g, 11
Tools, generally.....	87a-d	Machines for drawing in warp.....	86h, 7
Pneumatic, generally.....	87b, 2	Motions for dobby-looms.....	86b, 1, 4
Trucks.....	63b, 38, 39	Weights.....	86g, 11
Type-setting apparatus.....	15a, 13	Harp-pianos.....	51b, 36
Vises.....	87a, 4	Harps.....	51c, 13
Handkerchiefs.....	3a, 2	Auto.....	51c, 19, 20
Handle-bars, bicycle.....	63h, 14-18	Harrows.....	45a, 25-27
Bicycle, removable, including those de- signed for protection against theft.....	63h, 16	Harvesters, self-binding.....	45c, 29
For perambulators.....	63b, 49	Harvesting.....	45c
Handle-fastenings for brushes.....	9, 10, 16	Beets and potatoes, machines for.....	45c, 6-18
For cut-and-thrust weapons.....	69, 27	Cotton, machines for.....	45c, 27
For hammers, hatchets, etc.....	87d, 1	Fruit, implements for.....	45f, 16
For implements and tools, generally.....	87d	Hand implements for.....	45c, 1-5
For scythes.....	45c, 3	Hay, implements for.....	45c, 35-37
Handles.....	68a, 69-73; 87d, 1, 2	Mowing machines.....	45c, 20-34
Basket.....	81c, 10	Hasp-locks.....	68a, 99
Cane.....	33a, 11, 13	Hasps.....	68b, 28
Door.....	68a, 69-73	For window-fasteners.....	68b, 13
File.....	87d, 2	Hassocks.....	34g, 10
Of wound paper strips.....	54c, 4	Hat bands.....	41b, 1
For furniture.....	34i, 28	Bats.....	41a, 1
For perambulators.....	63h, 49	Bindings.....	41b, 1
Lock.....	68a, 69-71	Blocking.....	41a, 2
Of bicycle handle-bars.....	63h, 18	Boxes.....	33b, 9
Pot.....	34l, 14	Brims, felt, trimming.....	41a, 3
Hands, artificial.....	30d, 2	Brushes.....	9, 3
Clock and watch.....	83a, 12	Fastenings.....	41c, 8
Hangars, airship.....	37f, 8	Ladies', secured to hat.....	3c, 25
Construction.....	37f, 8	Felts.....	41d, 4
Hangers, clothes.....	3b, 9; 34l, 30	Fittings.....	41b
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For sliding doors.....	68c, 9	Stands for display-windows.....	54g, 18, 19
Self-closing.....	68d, 1	For trimming hats.....	41b, 1
Pipe.....	47f, 1, 2	Trimmings.....	41b, 1
As structural elements.....	37b, 5	Hatches, cellar.....	37d, 38
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Pictures, devices for.....	34f, 3	Hatchets.....	69, 22
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For meat.....	42l, 13	Frames, mining.....	5d, 4
For rails and steel balls.....	42k, 23	Inclined plane.....	5d, 5
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		Grapples.....	45e, 30
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Of adjustable sizes.....	41c, 7
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With means for fastening articles thereto.....	41c, 6
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Storing apparatus.....	13g, 2; 14h, 3; 24c, 5; 24k, 4; 36a, 8; 36b, 4
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<b>Heaters, air</b> .....	18a, 11-17; 24c, 5; 24k, 4
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<b>Heating, air, for baking-ovens</b> .....	2a, 2
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	Classification.		Classification.
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Helmets.....	41c, 1	Rope, for lamps.....	4a, 31
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For protection against blows.....	41c, 2	Telescopic, for lamps.....	4a, 27
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Hemoglobinometers.....	42l, 3	Brush, for dynamos.....	21d, 22
Hemp harvesting.....	45c, 27	Candle.....	4a, 32
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Hides, delimiting.....	28a, 2	cutting devices.....	34k, 9
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Making of sheet metal.....	7c, 36	Paper bag.....	54g, 15
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Generally.....	33d, 9, 10, 12	Toy.....	77f, 22
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<b>Hole-punchers for leather</b> .....	63a, 1	Culture.....	45f, 12
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<b>Hollanders</b> .....	55c, 4-8	Preserving.....	6a, 13
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<b>Hollow blocks, bricks, stones, etc., for building</b>		Horizons, artificial.....	42c, 38
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<b>Holsters for firearms</b> .....	72a, 33	For stringed instruments.....	51c, 4
<b>Holy-water sprinklers</b> .....	34f, 26	For talking-machines.....	42g, 14, 15
<b>Homogenizing fluids</b> .....	12e, 4	Making of sheet metal.....	7c, 24
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Mechanically.....	45g, 1	Musical.....	51c, 24-26
<b>Hones</b> .....	67c, 5	<b>Horse blankets</b> .....	56b, 7
<b>Honey, artificial, chemical treatment and pres-</b>		Capstans, winches, etc.....	45d, 1-5
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<b>Honing devices for razors</b> .....	67c, 5	Harness.....	56a, 1-25
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Two-part.....	45i, 1	<b>Horses, crib-biting, means to prevent</b> .....	45h, 8
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Pads.....	45i, 3	work.....	56a, 24
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<b>Hooks as fastening and connecting means in</b>		On vehicle.....	63b, 25-28
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Curtain-rod.....	34c, 3	Runaway-preventers.....	56a, 15-17
Dress.....	3c, 1	Runaway, stopping.....	63b, 26
Lockable.....	68a, 108	Taming.....	45h, 9
Making of wire.....	7d, 14	<b>Horseshoe calks</b> .....	45i, 7-10
Fishing.....	45h, 22	Calks, elastic.....	45i, 9
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For life-saving apparatus.....	61a, 1	Nails.....	45i, 14
For sewing-machines.....	52a, 43	Making.....	7e, 14-17
Generally.....	47d, 16	<b>Horseshoes, channeled</b> .....	45i, 6
Grappling, for bales.....	81e, 33	Hinged.....	45i, 2
Harness.....	56a, 25	Making by casting.....	31c, 25, 26
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For dresses and shoes.....	71b, 2	By rolling.....	7i, 7
Load chain.....	47d, 16	Nailless.....	45i, 3
For cranes.....	35b, 7	Solid.....	45i, 1
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Roof-gutter.....	37c, 10		
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<b>Hose</b> , (flexible tubing) attaching to faucets, etc.	85d, 5	<b>Hydrants</b>	85d, 12
Bridges for car-tracks	19a, 21	Hydraulic apparatus for ore-dressing	1a, 6
For streets	61a, 15	Brakes for railway rolling-stock	20f, 43
Carts for fire-extinguishing	61a, 15	Engineering	84a
For watering gardens	45f, 19	Mains for gas-retorts	26a, 16
Clamps	47f, 17	Motor regulators, (governors)	60, 16
Cleaning, (cellerage)	6f, 5	Motors	88b, 1, 2
Couplings	47f, 6, 10-12, 14	Hydrazins and hydrazin compounds	12q, 13
Fastenings, generally	47f, 16	Hydrazo compounds	12q, 12
Filters for dust-collectors	50e, 4	Hydrazoic acids	12i, 29
Fire-extinguishing	61a, 15	Hydrazone dyestuffs	22a, 14
Generally	8a, 2, 9	Hydrides	12i, 1
Joints	47f, 17	Hydro derivatives	12p, 1
Life-saving	61a, 9	Hydrocarbon-engines	46a, 26-28
Nozzles	85g, 3	Hydrocarbons	12o, 1
Of fibrous material	47f, 4	Polynitro	12o, 4
Making	25a, b; 86c, 3	Hydrochloric acid	12i, 3, 5
Processes for making water-tight	39a, 10	Hydrocyanic acid	12k, 7-10
Reels for fire-extinguishing	61a, 15	Hydrogen peroxid	12i, 16
Rubber	47f, 4	Preparation	12i, 1
Weaving	86c, 3	Electrolytic	12i, 13
<b>Hose</b> , (stockings)	3a, 10	Hydrogenation by catalysis, generally	12g, 2
Making	25a, 19-29	Of fats by catalysis	12o, 11; 23d, 1
Supporters	3a, 11	Of organic compounds by catalysis	12o, 27
Hosiery, darning, machines for	25a, 30	Hydronitric acids	12i, 29
Making	25a, 19-29	Hydroplanes	77h, 9
<b>Hot-air balloons</b>	77h, 3	For ships	65a, 9
Baths	30f, 10	Hydrosulfite	12i, 22
Engines	46d, 1-3	Hydroxids, alkali	12l, 9-13, 15
Inclosed	46d, 2, 3	Of alkaline-earth metals	12m, 1
Open	46d, 1	Hydroxylamins	12q, 1, 3
Locomotives	20b, 6	Hygienic gymnastics	30f, 1-4
<b>Hot bearings indicators</b>	20h, 1; 74b, 3	Hygrometers	42i, 19
Bed windows	45f, 9	Hypochlorites	12i, 6, 8
Beds	45f, 9	For bleaching	8i, 2
Blast stoves	18a, 11-17	Hypsometers	42c, 6
Box alarms	20h, 1	Hysterophores	30d, 17
Houses, equipment	45f, 9	<b>Ice and snow shovels</b>	19b, 6
Structural arrangements	37f, 7	Artificial, making	17a
Vapors, removing from air	36d, 3	Bags	30d, 25
Water bottles	20c, 21; 34l, 9, 11	Bergs, protecting ships from	74b, 3
Bottles for railway-cars	20c, 21	Boxes	17c, 2
Heating	36c, 3, 4	Breakers	19d, 1-3; 65a, 8
Production	36e	Courses, artificial	77b, 20
Electric	21h, 3	Produced by freezing	17b, 5
Wire and hot-space measuring instruments, electric	21e, 4	Crushing apparatus for household use	34b, 5
<b>Hour-glasses</b>	83a, 80	For refrigeration	17b, 4
House-telegraphs	74a, 1-6	Cutting apparatus for household use	34b, 5
Household equipment, including furniture	34a-1	Cutting machines	17b, 4; 34b, 5
Houses, building	37a-f	Houses and cellars	17c, 1; 37f, 2
Hub-fastenings	47c, 2	Machines	17a
Hubs, cycle	63d, 19, 21	Making and harvesting	17b
Driving-wheel and pulley	47b, 20-26	Removing from streets	19b, 6
Propeller	65f, 7	Saws	17b, 4
Wagon-wheel	63d, 5, 10	Spurs	45i, 11; 71b, 13
Hullers, clover	45e, 21	For coasting-shoes	71b, 13
Hulling barley, apparatus for	45e, 2, 21	Wagons	17c, 5
Devices for distillery-mash	6b, 7	Yachts	63b, 66
Machines, coffee	45e, 21	<b>Ices, making</b>	17b, 6
Grain	50a, 3-7	Receptacles for transportation	17b, 6
Humidity of air, regulating	36d, 1, 12, 13	Ichthylol	12o, 24
Humming-machines	45e, 21	Preparations for remedial purposes	30h, 8
Humming in stretched electric conductors, preventing	21c, 6	Iceing confectionery	53l, 4, 6
Hunters' canes convertible into stools	33a, 14	Icometers	57a, 9
Shelters	45k, 11	Identification of persons by measurements, apparatus	42b, 7
Shooting-stands	45k, 11	Idle-stroke governors for internal-combustion engines	46b, 7, 9, 11
Hunting appliances	45k, 11	Idlers, (pulleys)	47b, 27
Bags	33b, 2	Igniters, electromagnetic	21d, 4
Devices for suspending game to	45h, 11	For arc-lamps	21f, 15
Knives	69, 27	Igniting devices for blasting	78e, 2, 4
Preserves, surrounding with strings of rags	45k, 11	Devices for flash-light lamps	78d, 3
Hurdles for gas washers and purifiers	26d, 6	Pellets for gas lighters and burners	4e
Jumping	77a, 3	Strips for chemical lighters	78f
Hurling toys	77f, 24		



	Classification.
<b>Ignition, electric, for explosion and internal-combustion engines.</b>	46c, 14
Flame, for explosion and internal-combustion engines.	46c, 16
Friction, including devices with pyrophoric materials, for explosion and internal-combustion engines.	46c, 15
Incandescent, for explosion and internal-combustion engines.	46c, 15
Make and break, for explosion and internal-combustion engines.	46c, 14
Methods for explosion and internal-combustion engines.	46a, 1
Piston contact, for explosion and internal-combustion engines.	46c, 14
Illuminated timepieces.	83a, 18
Illumination devices.	4b, 17-21
Of fountains.	4b, 20
Illuminating gas, additions to, to prevent freezing.	26c, 12
Gas, carbureting.	26c
Liquefying.	26c, 7
Manufacture.	26a, b
Purifying.	26d
Liquids.	23b, 1, 4
Materials.	23b; 26a-d
Imidazols.	12p, 9
Imitation effects, producing. (hat-making).	41a, 1
Imitations by means of paints.	22g, 12
Of artistic glazing.	75d
Of relief effects, artificial and natural designs.	75d, 14-26
Immunizing substances.	30h, 6
Impact fish-plates.	19a, 17
Pulverizers.	50c, 11
Rails.	19a, 17
Steam-wheels.	14c, 1
Water-wheels.	88a, 1
Impregnating beer with carbonic acid.	6b, 20
Electric wires.	21c, 7
Fire-lighters.	10b, 14
Hats.	41a, 4
In connection with spinning.	76c, 27
Leather.	8k; 28b
Paper, (waterproofing, fireproofing, and fat-proofing).	55f, 11
Paper-board.	55f
Plates for trunks.	8a, 28
Roofing felt and paper.	8a, 28; 8l, 3
Ropes.	8a, 28
Stone compositions.	80b, 19
Tents.	8a, 28
Textiles.	8a, 25-28; 8k, 3, 41
Wood.	38h, 2-4
Slivers for matches.	78b, 1
Woven fabrics.	8a, 27; 8k, 3, 4
Yarns.	8a, 25, 26; 8k, 3, 4
Impression cylinders.	15d, 20, 26
Throw-off for platen-presses.	15d, 40
Trays and tray presses, dental.	30b, 16
Impulse steam-turbines.	14c, 4
Water-turbines.	88a, 4
Incandescent bodies (glowers) for electric-arc lamps.	21f, 79
Gas-mantles.	4f
Knitting.	25a
Protective devices for.	4a, 20
Supporting devices for, fitted to lamp.	4a, 26
Fitted to mantle.	4f, 4
Tying-heads.	4f, 4
Weaving.	86c
Lamps, electric.	21f, 37-42
Bases for.	21f, 43, 44
Broken-filament safety devices.	21f, 64-66
Bulb and globe-shaped.	21f, 38
Cleaning, placing, removing.	21f, 67
Exhausting.	21f, 40
Fastening feed-wire.	21f, 39
Filaments.	21f, 31-36

	Classification.
<b>Incandescent lamps, electric, filling with gases.</b>	21f, 40
Lamps, electric, hangers for.	21f, 57-59
Nernst type.	21f, 68-75
Portable.	21f, 60, 61
Preventing and removing deposits.	21f, 42
Reflectors.	21f, 53-56
Regenerating and repairing.	21f, 41
Regulating intensity of light.	21f, 62, 63
Sockets for.	21f, 45-52
Standardizing.	21f, 41
Incinerating-furnaces.	24d
Inclination-meters.	42b, 21
Inclined lifts.	35a, 1
Lifts in connection with furnaces.	18a, 6
Grates.	24f, 10, 11
Plane hoists, (mine-hauling).	5d, 5
Closures for.	5d, 6
Ways, (railway operation).	20a, 16
Incubators, baby.	30e, 13
Poultry.	45h, 13
Indenting-machines for sheet metal.	7c, 4
Indexes for books.	11d, 6
India ink for autography and lithography.	15l, 7
Ink siphons, ( <i>e. g.</i> , for filling drawing-pens).	75c, 28
Inks.	22c, 1
Rubber, extracting from trees.	45f, 17
Treatment, chemical.	39b, 1-4
Mechanical.	39a, 8-12
Vulcanizing.	39a, 11; 39b, 3
Indian clubs.	77a, 6
Indicating and order apparatus.	74c, 1-13
Devices for railway-cars.	20c, 49
Mechanism for fluid-meters.	42e, 22
Indicator-boards for house signaling systems.	74a, 10, 12
Train.	20i, 25-27
Indicators, brake-action.	20f, 47
Channel depth.	65a, 77
Current direction, (electric).	21e, 17
Electric, for pneumatic-tube postal service.	81e, 44
Fare.	42p
For angling.	45h, 22
For general purposes.	42d, 2
For house-signaling.	74a, 10-12
For locks and keys.	68a, 33
For photographic film or plate holders.	57a, 11
For position of sunken ships.	65b, 4
For presence of water in ships.	65a, 60
For sliding-weight scales.	42f, 7
For targets.	72e, 2, 3
For type-writers.	15g, 45
For vehicles.	63b, 41; 74b, 6; 74d, 3
Game, for billiards.	77c, 16
For bowling-alleys.	77c, 4
For sports.	77a, 24
Hot box.	20h, 1; 74b, 3
Leakage, (electric).	21e, 9
Mileage, (kilometer-counters).	42p, 11
Of defective places in track.	20h, 1
Polarity.	21e, 13
Price, for liquor-dispensing purposes.	64c, 11
Railway.	20f, 47; 20h, 1
Speed for cycles.	63g, 13; 74b, 6
For motor-vehicles.	63c, 25; 74b, 6
Telemetric.	74b, 6
Station.	20i, 25-27
Synchronism.	21e, 7
Telemetric.	74b
Water-level, in steam-boilers.	13c, 1-13; 74b, 1
(Work-measuring devices) or operameters.	42k, 15-19
Indigo dyeing.	8m, 3
Natural and artificial.	22e, 1
White.	12p, 2
Indol.	12p, 2
Indophenols.	22c, 6
Indoxyl.	12p, 2

	Classification.		Classification.
<b>Induction apparatus for electrotherapy</b> .....	30f, 14	<b>Insect receptacles</b> .....	45k, 3
Coils for electric apparatus, generally.....	21g, 6	Stings, remedies for.....	30b, 3
For telegraphy and telephony.....	21a, 28	Traps.....	45k, 1, 2
<b>Disturbances in electric conductors and cables,</b>		<b>Insects, catching</b> .....	45k, 1, 2
reducing.....	21c, 4	Destroying.....	45k, 1-4
In telegraph and telephone wires, protec-		Preserving.....	45k, 3
tion from.....	21a, 27	Protecting animals from.....	45h, 8, 14
Drive for electric railways.....	30k, 3	<b>Insoles</b> .....	71a, 22
Generators.....	21d, 29	Installations, electric.....	21c
Heating apparatus.....	21h, 3, 9	Instantaneous evaporators.....	13g, 1
Measuring instruments.....	21e, 6	Instruments, acoustic.....	42g, 1
Meters.....	21e, 15	Astronomical.....	42c, 37-39, 41; 42h, 22
Motors.....	21d, 38, 39, 43	Dental.....	30b
Starting apparatus for.....	21c, 49-51	For determining courses of lodes.....	5d, 8
Starting and braking.....	21d, 42	Ships' positions.....	42c, 39
Self, for high-frequency systems.....	21a, 71	Geodetic.....	42c, 1-43
Generally.....	21g, 20	Inoculating.....	30a, 10; 30c, 1
Influencing, in cables.....	21c, 5	Measuring.....	42c
<b>Indulins of benzol series</b> .....	22c, 1	Electric.....	21e
<b>Indammability-testers</b> .....	42l, 8	Soft iron.....	21e, 3
<b>Inflating tires</b> .....	63e, 18, 19	<b>Medical and surgical</b> .....	30a, 8-19
<b>Influence-machines, electric</b> .....	21d, 5	For introducing medicaments into human	
<b>Information-receptacles for airships</b> .....	77h, 15	body.....	30k, 17-19
<b>Ingates of casting apparatus</b> .....	31c, 30	For removing foreign objects from human	
<b>Ingot casting</b> .....	31c, 10	body.....	30a, 18
Ejectors.....	31c, 31	<b>Meteorological</b> .....	42i, 20
Molds.....	31c, 10	<b>Musical</b> .....	51a-d
Tongs or dogs.....	31c, 31	Stringed, bowed.....	51c, 1-12
Turning devices for rolling-mills.....	7a, 17	Plucked.....	51c, 13-20
<b>Ingots</b> .....	31c, 10, 31	Wind, brass.....	51c, 24, 25
Making.....	31c, 10	Wood.....	51c, 23
<b>Inhaling internal disinfectants</b> .....	30h, 1	<b>Nautical</b> .....	42c, 28-41
Medicaments apparatus for.....	30k, 12	Optical.....	42h
<b>Injecting apparatus for gas-engines</b> .....	46c, 6, 7	<b>Physical</b> .....	42i
For steam-boiler feed-water.....	13a, 23	<b>Surgical</b> .....	30a, 8-19
For vaporizers.....	46c, 7	<b>Veterinary</b> .....	30c
<b>Injection fluids, vessels for</b> .....	30k, 4	For introducing medicaments into body.....	30c, 6
Syringes, including dentists'.....	30k, 3, 14	For removing foreign objects from body.....	30c, 3
Veterinary.....	30c, 6	<b>Insulating bushings</b> .....	21c, 10
<b>Injector-condensers</b> .....	17d, 2	Compositions, electric.....	21c, 2; 39b, 9; 80b
<b>Injectors, automatic</b> .....	59c, 14	For coatings.....	22g, 9
For furnaces.....	24i, 4	Mineral.....	80b, 9
For liquid fuel.....	21b, 7	Plastic, (non-mineral).....	39b, 9
Or jet-pumps.....	59c, 11-15	Devices for galvanic cells.....	21b, 2
Restarting.....	59c, 14	Sockets for incandescent lamps.....	21f, 49
<b>Ink blotters</b> .....	70d, 1, 2	<b>Insulation meters and testers</b> .....	21e, 9
Bottles.....	70c, 6	Of rails for electric railways.....	20k, 8
Cartridges for fountain-pens, etc.....	70c, 2	<b>Insulator-supports for electric conductors</b> .....	21c, 15
Ribbon printing-presses.....	15d, 34	<b>Insulators, bracket</b> .....	21c, 14
Stains, removing by chemical means.....	8i, 5	For solar radiation.....	42i, 18
Stands.....	70c, 1-6	High voltage.....	21c, 13, 14
Well covers.....	70c, 4	<b>Machines for screwing pins into supports</b> .....	21c, 15
<b>Inked ribbons for type-writers</b> .....	15g, 37	Making, of porcelain, clay, etc.....	80a, 47
<b>Inking devices for inked type-writer ribbons</b> .....	15g, 45	Section.....	20k, 9
Devices for type-writers.....	15g, 37-39	Spool.....	21c, 17
Mechanism for printing presses and machines.....	15d, 31, 38	Strain.....	21c, 13
Rolls for printing-presses, making.....	15e, 14	Suspension.....	21c, 13
Storing.....	15e, 16	Wire fastenings for.....	21c, 16
<b>Inks</b> .....	22g, 1, 4	<b>Intensifiers, photographic</b> .....	57b, 13
Autographic and lithographic.....	15l, 7	<b>Interest-calculators</b> .....	42m, 19
Electrically conducting.....	21a, 5	<b>Intermittent gear</b> .....	47b, 4
Marking.....	22g, 1	Grip control apparatus, generally.....	47h, 5
Pastel.....	15k, 3	Control apparatus for motor-cars.....	63c, 9, 13, 14
Printing.....	22g, 4	Gear for motor-cars.....	63c, 9
Removing from paper.....	55b, 4	<b>Internal-combustion engines</b> .....	46a-c
Stamping.....	22g, 4	Carburizers.....	46c, 6-13
<b>Inlaid work, (tarsia, etc.)</b> .....	75b, 12, 20	Controlling and regulating.....	46b
Imitation.....	75d, 24	Cooling.....	46c, 18-23
Inner tubes for tires.....	63e, 6	Details.....	46c
<b>Inoculating instruments</b> .....	30a, 10; 30c, 1	Exhaust apparatus.....	46c, 29-32
Materials.....	30b, 6	For explosives as fuel.....	46a, 29
<b>Inscriptions, luminous, for advertising purposes</b> ,		Four-cycle.....	46a, 4
For name-plates.....	54g, 12	General arrangements.....	46a
<b>Insect catching nets</b> .....	45k, 1	Governors.....	46a, 7-19
Culture.....	45h, 15	Igniting apparatus.....	46c, 14-17
Mounting devices.....	45k, 3	Inlet and exhaust valves.....	46c, 3
Netting for beds.....	34g, 20	Lubricating.....	46c, 1
Travelers'.....	33d, 8	Pressure-regulators.....	46c, 1
		Two-cycle.....	46a, 12-19
		Valve-gears.....	46b, 1-6
		<b>Vaporizers</b> .....	46c, 6-13



	Classification.
<b>Interpole-machines</b> for alternating current	21d, 44, 45
For continuous current	21d, 16
Interpoles	21d, 11-13
Intestines, cleaning	66b, 15
Scraping	66b, 15
Splitting, apparatus for	28b, 24
Treating	28b, 24; 66b, 15
Invalid-lifting apparatus	30e, 10
Invalids' beds	30e, 5, 6
Chairs	30e, 4
Litters and stretchers	30e, 1, 2
Tables	34i, 3
Invert-sugar	89i, 2
Inverted fonts, Mariotte's	4a, 10
Incandescent gas burners and lamps	4g, 54
Invertible (sidehill) plows	45a, 13, 14
Iodin	12i, 9
Organic compounds of	12o, 2; 12q, 15
Iolite (mortar)	80b, 1
Iridium filaments	21f, 32
Preparation	40a, 46
Electrolytic	40c, 7
Iron alloys	18b, 20
Annealing processes	18c, 8
Band, making by rolling	7a, 10
Bands, angular, for doors and windows	68c, 10
For staircases	37d, 1, 3
For walls	37b, 5
Bar, bending and coiling	49f, 8
Cutting apart	49b, 15
Making by rolling	7a, 2
Bars, bundling	81a, 13
Compounds	12n, 2
Construction	37a, 4, 6; 37b, 3; 37f, 4
Founding	31c
Hardening	18c, 1, 2, 4, 7
Ingot, deoxidizing and recarbonizing	18b, 10
Preparation	18b, 9-11, 13-15
Maltose	30h, 8
Ore, briqueting and binding	18a, 2
Dephosphorizing, desulfurizing, roasting	18a, 1
Electrometallurgical treatment	18a, 19
Pavements	19c, 5
Fig, dephosphorizing and desulfurizing	18b, 2, 9
Mixers	18b, 3
Producing	18a, 3-10, 18
Purifying	18b, 1-3
Refining	18b, 1
Pigments	22f, 7
Preparation	18a-b
Electrolytic	18b, 21
Preparations, medicinal	30h, 8
Profile, cutting apart	49b, 15
Making by rolling	7a, 3
Producing directly from the ore	18a, 18
Round, making by rolling	7a, 2
Small bars, making by rolling	7a, 10
Softening	18c, 1
Wrought, producing	18b, 4-7
Ironing apparatus for hats	41a, 4
Apparatus, tailors'	3d, 6
Boards	8d, 22
Machines, clothes	8d, 20
For fabrics in breadths	8b, 24
Pads	8d, 22
Stoves	8d, 21
Tables	8d, 22
Irons, flat, electric	21h, 3
For hats	41a, 4
For laundry	8d, 21
Tailors'	3d, 6
Irradiation, protecting photographic plates from	57b, 4
Irrigating carts	45f, 19
Fields and gardens, apparatus for	45f, 19-22
Irrigation of soil	45a, 39; 45b, 5; 45f, 19, 20
Irrigators, surgical	30k, 5
Isatin	12p, 2
Isoborneol	12o, 25
Isougenol	12o, 12

	Classification.
<b>Isolating</b> against dampness, decay, fire, fungus, heat, and sound in buildings	37a, 6, 7
Channels located in underground water	37a, 7
Isolation of ethereal oils	23a, 6
Ivory designs	75d, 18
Working into various articles	39a, 2, 5-7
Jackets	3b, 5
Jacks, electric, for telephone-switchboards	21a, 41
Lever	35d, 2
Lifting, including lifting-plungers	35d, 5
Rack and pinion	35d, 3
Screw	35d, 4
Jacquard cards	86h, 2
Looms	86b, 5-9
Electric	86b, 10
For weaving double-pile fabrics	86b, 9
Jar cleaners	64b, 1-6
Closures, including loose lids	64a, 48
Jars	64a
Leyden	21g, 10
Jerking on fishing-lines, devices for	45h, 21
Jet blowers	27d
Nozzle caps	85g, 3
Nozzles for fire-engines	61a, 16
For garden-hose, fountains, etc.	85g, 2
Pumps	59c, 11-15
Regulators for faucets	85d, 7
Jetties	19d, 6
Jewel fastenings for watches	83a, 48
Setting tools, watchmakers'	83c, 5
Jewelry	44a, 32-40
Boxes	33b, 10
Making of sheet metal and tubing	7c, 39
Jigs for fuel and ore dressing	1a, 1-5
Jointing-cutters	37d, 40
For ornamenting fronts of buildings	75a, 23
Joints, ball	47b, 13
Ball and socket	47c, 4
For compasses	42a, 7
In windows and doors, means for closing	37d, 24
Knife, for scales	42f, 34
Of scissors and shears	69, 1
Pipe, connected with railway-couplings	20e, 15
Generally	47f, 3-17
Pivot	47b, 13
Rail	19a, 15-19, 22-24
Rotary	47b, 13
Scarfed, for rails	19a, 16
Universal	47c, 4
Journal box lubrication	20d, 18, 19
Box shells for railway rolling-stock	20d, 16
Boxes for railway-cars	20d, 13, 14
For vehicles	63d, 5
Making by forging and pressing	49g, 8
Mortising machines	38d, 4
Journals as machine elements	47b, 3
Grinding	67a, 10
Turning on lathes	49a, 13
Juice measuring boxes	42e, 20
Sugar, crystallizing	89d, 2
Evaporating and concentrating	89d, 1
Extracting	89c, 1-9
Purifying	89c, 11-14
Saturating	89c, 15
Separating	89c, 10
Traps for evaporators	89e, 5
Jumping appliances, hurdles, ropes, tapes, stands	77a, 3
Shoes	77a, 12
Junction-boxes	21c, 21, 25
Justifying devices for type-setting	15a, 16, 17
Type	15a, 2
Jute, extraction of fiber	29a, 2
Kainite	12l, 4
Kaleidoscope exhibitions	77g, 9
Kaleidoscopes	42h, 24
Keepers for harness	56a, 2
Machines for making	63a, 2
Kefir	53e, 5

	Classification.		Classification.
<b>Keys, (see also Barrels and casks)</b> .....	81c, 5, 6	<b>Kitchen knives</b> .....	34b, 6
Making of metal by rolling.....	7f, 2	Ranges.....	36a, 16-19
Of sheet metal.....	7c, 24	Electric.....	21h, 3
Of wood.....	38f, 2-5	Stands.....	34l, 12
<b>Kennels</b> .....	45h, 1	Strainers.....	34l, 18
<b>Ketones</b> .....	12o, 10	Tables.....	34i, 7
<b>Kettle-drums</b> .....	51c, 37	Utensils.....	34a, b, d, 1
<b>Kettles, brewing</b> .....	6b, 12, 13	<b>Kite-shaped fliers</b> .....	77h, 5
Tea.....	34l, 7	Kites.....	77h, 14
<b>Key and cotter extractors</b> .....	87a, 20	Passenger.....	77h, 2
And cotter fastenings.....	47a, 1	<b>Knapsack fastenings</b> .....	33b, 11, 12
Board arrangements for type-setting machines.....	15a, 22	Holders and supports.....	33d, 3
Boards for accordions.....	51c, 34	Tents.....	33d, 7
For pianos.....	51b, 17-20	<b>Knapsacks</b> .....	33d, 2
Dummy.....	51b, 20	<b>Kneading dough</b> .....	2b, 1-6
Stepped.....	51b, 19	Dough, machines for.....	2b, 1
For type-writers.....	15g	Massage.....	30f, 6
Universal.....	15g, 45	Troughs.....	2b, 14
<b>Containers, (bags, baskets, etc.)</b> .....	33b, 10	Unvulcanized rubber.....	39a, 9
Guides.....	68a, 77	<b>Knee-protectors</b> .....	3b, 4
Holders.....	68a, 83	<b>Knife-cleaners</b> .....	34c, 11
Hole escutcheons.....	68a, 79	Erasers.....	70e, 17
Guards.....	68a, 66, 67	Rests.....	34f, 21
Plates.....	68a, 79	Sharpeners.....	67c, 4
Holes.....	68a, 78	Sheaths.....	69, 19
Mechanism for bowed stringed instruments.....	51c, 11	<b>Knitted-fabrics, bleaching, chemical features</b> .....	8i
For plucked stringed instruments.....	51c, 14, 17	Bleaching, mechanical features.....	8a, 1-19
For type-writers.....	15g, 40	Burnishing.....	8b, 17-26
Pins.....	68a, 77	Cleaning.....	8e, 1-3; 8i
Racks.....	34l, 22	Drying.....	8b, 9
Rings.....	44a, 36	Dyeing, chemical features.....	8m
Slotting machines.....	49b, 5	Mechanical features.....	8a
Sockets for electric lamps.....	21f, 46	Finishing.....	8a; 8b; 8i; 8k; 8m
Way cutting machines.....	49a, 50	For gas-mantles.....	4f, 1
Planing machines.....	49a, 50	Glossing.....	8b, 17-26
Ways and lubricating grooves, making by cutting.....	49a, 50	Impregnating.....	8a, 25-27
By planing and slotting.....	49b, 5	Loading.....	8m, 11
<b>Keyed-instruments</b> .....	51a; 51b	Making.....	25a
Mechanical playing apparatus for.....	51d, 27-33	Mercerizing.....	8a, 24; 8k, 2
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Preservers, (belts, buoys, rings, vests).....	65a, 66-70	Devices for gas and fluid burners, wick-lamps, candles, lanterns, etc.....	4d, 1-20, 28
Rafts.....	65a, 64	On street gas-lamps.....	4d, 16
Saving systems, coast.....	65a, 72	Pyrophoric.....	4d, 4
Lift-bridges.....	19d, 5	Electric, generally.....	21f
Lifters, door.....	34e, 17	Electrically-driven railway-cars.....	20l, 3; 21c, 45
Grain, for mowing-machines.....	45c, 23	Flames, (pilot-flames).....	4d, 6-8
Pot.....	34l, 14	For photographic purposes.....	57c, 2
Skirt and train.....	3b, 19	Fountains.....	4b, 12
<b>Lifting apparatus</b> for car-axles.....	20h, 6	Gas from a distance by changes of pressure.....	4d, 9-20
Apparatus for rails.....	19a, 28	By electric means.....	4d, 12-15
For wheel-plows.....	45a, 9, 10	By pneumatic means.....	4d, 9, 10
Invalid.....	30e, 10	Generally.....	4a-g
Bars for dobby-looms.....	86b, 4	Materials.....	23b; 26a-d
For Jacquard looms.....	86b, 10	Railway-cars by electricity.....	20c, 28; 20l, 3; 21c, 45
Devices for lifting printed sheets from press.....	15e, 7, 9	By gas.....	20c, 27
Dogs for cranes.....	35b, 7	By lamps.....	4a, 11-26, 39
Jacks.....	35d, 5	Ships.....	65a, 23
Mechanism, fluid.....	59a-e	Show-windows.....	4b, 23
Ship.....	84b	Stage.....	4b, 22
Water.....	59d, 3-6, 8, 10	Stairways by gas-light, continuously or periodically.....	4d, 9, 17
Pieces for striking mechanism of clocks.....	83a, 55	Strips, composition of priming material for.....	78f
Wires for dobby-looms.....	86b, 4	Mechanical production.....	78a, 9
For Jacquard looms.....	86b, 10	Theaters.....	77g, 2
<b>Light, advertising</b> by use of.....	54g, 9	Trains.....	4a, 11-26, 39; 20c, 27, 28; 20l, 3; 21c, 45
Apertures in cameras.....	57a, 27	Vehicles.....	4a, 39; 63b, 4
Buoys, floating bodies, etc.....	65a, 63	<b>Lightning arresters</b> .....	21c, 11
For signaling.....	74d, 8	Arresters, connections.....	21c, 26
"Cold," (colored-light effects produced by glass screens).....	4b, 17	Conductors.....	37d, 35
Distributing.....	4b	Protection from.....	21c, 61; 37d, 35
Extinguishers.....	4d, 21-27	Rods.....	37d, 35
Filters.....	57b, 18	Securing to buildings.....	37d, 35
Houses, foundations.....	84c, 3	<b>Lights for cycles</b> .....	63g, 7
Signaling apparatus.....	74d, 9	Head, on trains.....	4a, 48; 20l, 24
Structural arrangements.....	37f, 7	Night.....	4a, 35
Intensifying.....	4b	Signal, floating.....	65a, 56
Lime, burners.....	4g, 45	Tail, on trains.....	4a, 48; 20l, 24
Metals, compounds.....	12i-1	Tesla.....	21f, 85
Preparation.....	40a, 47-50	Wind-screened.....	4a, 45
Electrolytic.....	40c, 5, 6	Limbs, artificial.....	30d, 1-3
Projectiles.....	72d, 19	Lime burning processes.....	80b, 1
Floating.....	65a, 56	Kilns.....	80c
Projectors.....	4b, 11, 21	Light burners.....	4g, 45
Electric.....	21f, 10		
Optical features.....	42h, 9		



	Classification.		Classification.
<b>Lime pigments</b> .....	22f, 6	<b>Liquor-dispensing apparatus, coin controlled</b>	
Slaking apparatus.....	80a, 8	Dispensing apparatus employing pressure.....	43b, 28, 29
Processes.....	80b, 2	Handling apparatus.....	64c, 1-5
Waste, making into artificial stone.....	80b, 20	Receptacles.....	64a, b, c
<b>Lincrusta</b> .....	8h, 3, 4; 8l, 1	Liquors, concentrated, for tanning purposes.....	28a, 4
<b>Line casting machines</b> .....	15a, 17	Dispensing directly from bottles.....	64c, 15
Designs, <i>c. g.</i> , checkered figures.....	75d, 8	Litharge.....	22f, 3
Dividers.....	42b, 14	Lithium compounds.....	12l, 16
Insulators for electric railways.....	20k, 9	Preparation.....	40a, 47
Measuring devices for type-setting.....	15a, 10	Electrolytic.....	40c, 6
Selectors, telephonic.....	21a, 44	<b>Lithographic inks</b> .....	15l, 7
Spacing mechanism on type-writers.....	15g, 28	Presses.....	15d, 7, 8
<b>Linen, bleaching</b> .....	8a, 6-18; 8i, 1-3	Printing-plates.....	15l, 1
Body.....	3a, 1-7	Stones, artificial.....	15l, 1
Household.....	34f, 9	<b>Lithography</b> .....	15b, 1, 3, 5; 15d, 8; 15k, 1-3, 6
Impregmating.....	8a, 27; 8k, 3, 4	Lithopone.....	22f, 5
Ironing.....	8d, 20-22	Litter-straw cutters.....	45e, 32
Presses.....	34i, 18	Litters, ambulance.....	30e, 1
Table.....	34f, 9	Live-stock cars.....	20c, 11
Washing.....	8a, 1-19; 8i, 5	Care of, etc.....	45h
Wear, machines for making.....	3a, 7	Lixiviating, generally.....	12c, 1
Weaving.....	86c, 1	In connection with filter-presses.....	12d, 7
<b>Liners for centrifugal drums</b> .....	82b, 17	Ores.....	40a, 13
<b>Lines, clothes</b> .....	8d, 13	<b>Load gages for railway-service</b> .....	20h, 1
Fish.....	45h, 21-23	Governors for engines.....	60, 7
Life.....	65a, 71	Relieving devices for horses.....	63b, 37
<b>Linings for bearings</b> .....	47b, 9	Supporting chains, making.....	49h, 1-4
For garments.....	3b, 2	<b>Loaders, gas-pressure, for small-arms</b> .....	72h, 4
Glass, for metal receptacles.....	32b, 10	Recoil, for small-arms.....	72h, 2, 3
<b>Link-motions in steam-engines</b> .....	14d, 22	<b>Loading and hoisting buckets</b> .....	81e, 20
<b>Linoleum cutting apparatus</b> .....	8f, 12	And unloading apparatus, generally.....	81e, 19-27
Drying.....	8h, 3	For road-vehicles.....	63b, 33
Making, chemical features.....	8l, 1	And unloading ships.....	65a, 81
Mechanical features.....	8h, 1-5	Apparatus for hay and straw, with gathering	
Printing.....	8c, 7	apparatus.....	45c, 37
Streaking.....	8h, 5	Without gathering apparatus.....	45e, 30
Substitutes.....	8h, 4	Cartridges, machines for.....	72d, 12
Veining.....	8h, 5	Coal, apparatus for, in railway-service.....	20g, 10
<b>Linotype-machines</b> .....	15a, 17	Platforms.....	81e, 31
<b>Linseed-oil, concentrating</b> .....	22b, 2	Inclined.....	81e, 24
Extracting and purifying.....	23a, 1-3	Auxiliary and emergency.....	20c, 38
<b>Lip-protectors for dental surgery</b> .....	30b, 7	Strips for machine-guns.....	72d, 10
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<b>Liquefying difficultly-condensable gases and</b>		Foreign bodies.....	21g, 17; 30a, 18; 30c, 3
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<b>Liqueurs</b> .....	6c, 3	Miscellaneous apparatus.....	42l, 13
<b>Liquid containers in portable lighters</b> .....	4d, 5	Punctures in pneumatic tires.....	63e, 13
Dispensing apparatus, (retailing).....	64c, 1-20	Submerged metal articles.....	74b, 8
<b>Liquid fuel</b> .....	23b, 1, 2, 4	<b>Location-determining devices for aircraft</b> .....	42c, 39; 77h, 15
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Furnaces.....	24b	Devices for screw-threaded fastenings.....	47a, 9-15
Heating-stoves.....	36b, 3	Handles and knobs.....	68a, 69-73
Solidifying.....	10b, 11	Roses for fastening.....	68a, 70
Heaters.....	36e, 1-6	Nuts.....	47a, 9-15
Electric.....	21h, 3, 4	Openers, electric or magnetic.....	68a, 38
<b>Level indicators</b> .....	42c, 27	Parts.....	68a, 74-82
<b>Levels</b> .....	42c, 24	Making of sheet metal.....	7c, 37
<b>Manure barrels and tanks</b> .....	45b, 5	Securing devices.....	68a, 66-68
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Sprinkling carts.....	45b, 5	<b>Locking bars for doors and windows</b> .....	68b, 5
<b>Meters for barrels</b> .....	64c, 12	Devices, bicycle.....	68a, 109
For excise purposes.....	42l, 11	Cane.....	68a, 109
Generally.....	42e, 14-22	Clothing.....	68a, 107
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<b>Samplers</b> .....	42l, 18	For cranks.....	35c, 4
<b>Seals for acetylene-generators</b> .....	26b, 47	For roller curtains and shades.....	34e, 7, 8
For sewer systems.....	85e, 12-14	For trough-shaped tip-cars.....	20c, 16
For water-closets.....	85h, 1-8, 15	For vehicles.....	63b, 57
<b>Transferring apparatus for dispensing pur-</b>		Umbrella.....	68a, 109
<b>poses</b> .....	64b, 9-13	Disks for switch-fastenings.....	20i, 6
Pumps.....	64c, 44	Gears.....	47h, 4
<b>Liquids, aerating</b> .....	85a, 2-5, 8	Hooks, coin-controlled.....	43b, 51
Clarifying.....	12d, 1	Mechanism for coin-controlled apparatus.....	43b, 5-10
Condensing.....	12c, 3	<b>Locking-up appliances for type-setting</b> .....	15a, 6
Decolorizing.....	12d, 1, 11		
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	Classification.		Classification.
<b>Locks</b> .....	68a	<b>Locomotive journal-boxes</b> .....	20d, 12
Alarm.....	68a, 35-37	Snow-plows.....	20h, 9
Box and chest.....	68a, 98	Turn-tables, including those for suspended, cable, and rack-rail roads.....	20g, 1
Brake, for cycles.....	63f, 9	Weighing apparatus.....	42f, 13
Bramah and Bramah-Chubb.....	68a, 9	<b>Locomotives</b> .....	20b
Canal.....	84a, 3	Adhesion by magnets.....	20b, 15
Building and equipment.....	84a, 3	Compressed air.....	20b, 6
Gates for.....	84a, 3	Coaling.....	81e, 25
With auxiliary basins.....	84b, 1	Driving mechanism for.....	20b, 10-12
Car-door, for freight-cars.....	68a, 93	Electric, with portable power-generators.....	20b, 7
For passenger-cars.....	68a, 91	Fireless.....	20b, 4
Chain, as machine elements.....	47d, 15	For electrically-operated railways.....	201, 21
Easily releasable, for animals.....	45h, 2	Gas.....	20b, 5
Check.....	68a, 32, 33	Hot air.....	20b, 6
Chubb.....	68a, 1, 2	Increasing tractive force of.....	20b, 15
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Coin or check controlled.....	68a, 24	For standard-gage railways.....	20b, 1
Column, for type-setting.....	15a, 9	For street-railways.....	20b, 2
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Comprising devices to prevent withdrawal of key.....	68a, 63-65	Towing.....	20b, 9
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Independent of cycle-frame.....	68a, 109	With special driving mechanism.....	20b, 8
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Firing, for breech-closures.....	72c, 13	Logs, ships'.....	42o, 9
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For self-acting feed on tool-rests.....	49a, 17	For paper-making machines.....	55e, 4, 8
For shoe-lacings.....	71b, 3	Lookout stands, masts, and towers for military purposes.....	37f, 4
For traveling-bags, etc.....	33b, 11	Looking-glasses: <i>See</i> Mirrors.....	
For window-fastenings.....	68b, 14	Looms, bobbin-replacing.....	86c, 24
Furniture.....	68a, 96	Cane and slat.....	86e
Hand-bag.....	33b, 11	Chenille.....	86d, 3
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Inserted, (cylinder-locks).....	68a, 95	Cloth and warp beams.....	86c, 18, 19
Keyless.....	68a, 38-41	Dobby.....	86b, 1-4
Bolting and unbolting.....	68a, 40, 41	Driving and stop mechanism.....	86c, 26
Latch-bolt.....	68a, 48-55	Fabric measuring apparatus.....	86c, 20
Mortise.....	68a, 46	Winding apparatus.....	86c, 19
Operated by insertion of key.....	68a, 18	Figured goods.....	86c, 11
By master-keys and pass-keys.....	68a, 20	For weaving fabrics without pile.....	86c, 8-17
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By rotary keys.....	68a, 1-7	Heddles, fastening in heddle-frames.....	86g, 3
By screw-keys.....	68a, 19	Impregnating and sizing.....	8a, 28
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Puzzle.....	33b, 12; 68a, 31	Moistening weaving materials.....	86c, 1
Rotary cylinder.....	68a, 3	Parts of.....	86c, 18-32
Safe.....	68a, 21, 34-37	Picking apparatus.....	86c, 21
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Safety-deposit.....	68a, 21	Reeds.....	86g, 1
Safety, for sliding car-doors.....	68a, 92	Revolving.....	86c, 22
Seal.....	68a, 32	Ribbon.....	86c, 10
Stretcher, for driving-cables, etc.....	47d, 12	Selvage apparatus.....	86c, 13
Time.....	68a, 34	Semi-mechanical.....	86c, 9
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Trunk.....	33b, 11	Changing.....	86c, 22
Wedge, for shoe-lasts.....	71c, 3	Guards.....	86g, 6
With coin-controlled devices for opening.....	43b, 55	Motions.....	86c, 21
With safety-chains.....	68a, 94	Replacing apparatus.....	86c, 23
Yale.....	68a, 8	Stop-motions.....	86c, 28
<b>Locksmithing</b> .....	68a-d	Shuttles.....	86g, 7
<b>Locomobiles</b> .....	14a, 2	Stop mechanism.....	86c, 26
Valve-gears for.....	14d-f	Tension-regulators.....	86c, 18, 19
With internal-combustion engines.....	46a-c	Thread-guards.....	86c, 28
<b>Locomotive boilers</b> .....	13a, 20	Velvet.....	86d, 1-8
Coupling axles, adjustable.....	20d, 7	Vertical.....	86c, 12
Couplings.....	20e, 12	Warp detector shuttles.....	86g, 8
Furnaces.....	24a, 5, 6	Stop motions.....	86c, 30
For liquid fuel.....	24b, 4	Tensioning devices.....	86c, 18



	Classification.		Classification.
<b>Looms, weft counters</b> .....	86c, 20	<b>Machine guns</b> .....	72h, 6-10
Weft detector shuttles.....	86g, 8	Guns, automatic.....	72h, 7
Peelers.....	86c, 31	Hand-operated.....	72h, 6, 7
Forks.....	86c, 31	Large caliber.....	72h, 9
Stop-motions.....	86c, 31	Maxim.....	72h, 8
Thread cutting devices.....	86c, 32	Telegraphs.....	74c, 12
Replacing apparatus.....	86c, 25	Tools.....	38b; d; e; k; 49a-c; 67a
Tensioning devices.....	86c, 31	For metal-working.....	49a-c
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Loop-the-loop tracks.....	77g, 7	Small-arms.....	72a, 1-8
Looper-shuttles for sewing-machines.....	52a, 5, 42	Magazines, cartridge, for small-arms.....	72a, 20-24
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Lorgnettes.....	42h, 30	Pictures.....	75d, 5
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Low pressure sectional steam-boilers.....	24a, 10	Magnesium compounds.....	12m, 3
Pressure steam-boilers for central heating systems.....	36c, 10	Lamps.....	4a, 37
Steam-boilers, furnaces for.....	24a, 10	Peroxid.....	12i, 16
Water alarms for steam-boilers.....	13c, 15-18	Preparation.....	40a, 48
Lowering boats, apparatus for.....	65a, 41	Electrolytic.....	40c, 5, 6
Coffins, apparatus for.....	30e, 18	Magnetic closures for mine-lamps.....	4a, 52
Lozenge-presses.....	58b, 13	Cut-outs for electric control of trains.....	20l, 24
Lubricant-testers.....	42l, 7	For electric switches.....	21c, 35, 41, 50
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Purifying.....	23a, 3	Magnetizing devices.....	21g, 5
Lubricating axle-boxes of railway rolling-stock.....	20d, 18	Magnetos.....	21d, 4; 46f, 14
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Explosion and internal combustion engines.....	46c, 2	Magnets, blow-out, for electric lamps.....	21f, 17
Generally.....	47e	Blow-out, for electric switches.....	21c, 35
Materials, making from petroleum.....	23c, 3	Car, for connecting sectional conductors.....	20k, 16
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Generally.....	47e, 34	For power transmission in gearing.....	47h, 8, 22
Oils, purifying.....	23a, 3	For removing splinters from the eye.....	30a, 18
Scooping apparatus for.....	47e, 26	For telegraphy.....	21a
Presses.....	47e, 15-21	Generally.....	21g, 2, 3
Projectiles.....	72d, 20	Field, for electric machines.....	21d, 16
Pumps.....	47e, 22-24	Lifting, carrying and load.....	21g, 2; 35b, 7
Steam-engines.....	14g, 7	Regulating, for electric lamps.....	21f, 17
Systems.....	47e, 27-29	Track, for connecting sectional conductors.....	20k, 17
Turbines, steam.....	14c, 10	Magnifying-glasses.....	42h
Water.....	88a, 8	Pocket.....	42h, 34
Wads for cartridges.....	72d, 20	Mail-bag catchers.....	20h, 11
Lubricators, axle-box.....	20d, 19	Closures.....	81c, 9
Chain and cable.....	47e, 35	Mail bags, closing simultaneously with mail-box.....	81c, 29
Driving-belt.....	47d, 1	Boxes.....	35c, 28, 29
For bearings.....	47e, 1-3	Theft-preventing appliances.....	81c, 30
For centrifugal machines.....	47e	With indicators.....	74b, 8
For cycle-brakes.....	63i, 11	Cars.....	20c, 5
For gas-engine cylinders.....	47e, 13, 14	Chutes.....	81e, 46
For hoisting-machines and hauling-cables.....	35a, 9	Elevators.....	35a, 5
For locks.....	68a, 80	With mail distribution.....	81e, 46
For machine parts.....	47e, 7-12	Rapid-transportation roads.....	81e, 45
For motor-vehicles.....	63c, 26	Transportation, electric.....	81e, 45
For railway couplings.....	20e, 22	Wagons.....	63b, 34
For railway rails.....	20h, 10	Malsticks (maulsticks).....	75c, 28
For refrigerating-machines.....	17a, 11	Malt and malting.....	6a, 1-10
For steam-engine cylinders.....	47e, 13, 14	Bruisers and crushers.....	6b, 1
For vehicle-axles.....	63d, 13	Cleaning apparatus.....	6a, 9
For wire cables.....	47e, 35	Driers.....	6a, 6, 7
Generally.....	47e	Germinating machines.....	6a, 9
Journal-box.....	20d, 19	Mashing.....	6b, 1
Stauffer.....	47e, 19	Measuring apparatus for malt-mills.....	42e, 28
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Lung-testers.....	30a, 4, 5; 30f, 5	Sugar.....	89i, 2
Coin-controlled.....	43b, 43	Turners.....	6a, 8
Lupines, removing bitter elements from.....	53g, 5	Malting, floor.....	6a, 3
Luster colors for compounding glass.....	32b, 4	Processes.....	6a, 2
For decorating stones.....	80b, 23	Maltose.....	89i, 2
Lustering fabrics and machines for.....	8b, 26	Iron.....	30h, 8
Macadam, making of gravel and tar.....	80b, 25	Maltsters' shoes.....	71a, 9
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		Manganese compounds.....	12n, 3
		Ferro.....	18a, 10
		Peroxid.....	12i, 16; 12n, 3
		Preparation.....	40a, 46
		Electrolytic.....	40c, 13

	Classification.		Classification.
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Manifolding devices, (printing)	15i	Vibration	30f, 7
Processes	15k, 3-7	Massaging appliances	30f, 6-8
Writing apparatus	70d, 13	Mast holders for street-masts	37b, 3
Manikins	42n, 10	Scaffolds	37e, 1
Manometers, (see also Pressure-gages)	42k, 8-14	Masts as structural elements	37b, 3
Mantles, gas, incandescent	4f, 1, 2, 4, 5	Erecting	35d, 9
Manure distributing apparatus	45b, 5, 6	Extensible	37f, 4, 7
Liquid, distributing	45b, 5	For electric conductors with means for in-	
Plowing under	45a, 16	fluencing insulating-power	21c, 12
Pouches for draft-animals	45h, 10	For suspension of arc-lamps	21f, 22
Storage places	45b, 2	For wireless telegraphy so far as structure is	
Map drawing instruments	42a, 16, 20	affected by high frequency	21a, 71
Holders	34i, 3	Making of metal tubing	7b, 20
Fastening to cycles	63g, 19	Portable, tower-like or collapsible	37f, 4, 7
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maps when rolled up	34i, 9	Signal	21i, 3, 10, 11, 37, 38; 74d, 10
Maps, astronomical	42n, 7	Match box holders and stands	44b, 29
Celestial	42n, 7	Boxes	44b, 22, 26, 27
Geographic	42n, 9	Filling	78a, 7
Relief	42n, 9	Making	38d, 3
Wall	42n, 9	Packing	81a, 7
Marble, artificial	80b, 15	Dispensers	44b, 23
Coloring for ornamental purposes	75d, 17	Receptacles	44b, 22-30
Working	67a, 14; 80d	Splints, making	38i, 3
Marbling glass	32b, 3	Strip lighters	44b, 31, 32
On paper-machines	55f, 4	Strips, making	78a, 9
Processes	75c, 2	Wood	38i, 3; 78a, 1
Textiles	8n, 8	Matches, double-headed	78a, 9
March pane, (marzipan)	53f, 3; 53l, 1, 2, 4, 6, 7, 9-12	Framing match-splints	78a, 1, 2
Margarin	53h, 1, 2	Generally	78a, 9
Margin-stops on type-writers	15g, 32	Headless	78b, 4
Marine boilers	13a	Making, chemical features	78b
Engineering	84a, 5	Mechanical features	78a
Engine governors	60, 12	Printing and stamping	78a, 11
Controlled by movements of ship	65f, 27	Quick	78e, 4
Engines	14a	Tendering in horizontal or inclined position,	
Reversing	65f, 28	devices for	44b, 24
Paints	22g, 7; 65a, 27	Wax	78a, 10
Railways	84b, 2	Material gripping or holding apparatus, (vises,	
Signaling	65a, 56-63	etc.)	49b, 32
Signals, buoys, light-ships, etc	65a, 63	Matrices, stereotype, making	15c, 1
Mariners' compasses	42c, 32-36	Matrix casting machines	15a, 17
Market-trucks	63b, 38	Setting and line-casting machines	15a, 17
Marking animals	45h, 7	Stamping machines	15a, 20
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For travelers' belongings	33d, 8	Straw, making by sewing	52a, 26
For workshop use	42b, 23	By weaving	86e
On roll-cameras	57a, 23	Matte, copper, fusing	40a, 27-29
Inks	22g, 1	Mattress protectors	34g, 21
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Distillery	6b, 23	Spring	34g, 17
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Stirring machines	6b, 10	Woven wire	34g, 17
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Mashers, potato	34b, 9	Mausoleums	37f, 9
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Eye-protecting	30d, 27	Powder	72d, 12
Slaughtering	66a, 2	Volume	42e
Masons' trowels	37d, 40	With counting devices	42p, 7
Mass distribution testers	42c, 42	Measuring and sorting machines	42b, 26
Equalizers	47b, 28	Bottles for pharmaceutical purposes	30g, 2
Massage combined with electric treatment	30f, 8	Cables	42c, 4
Kneading	30f, 6		
Percussion	30f, 7		
Rubbing	30f, 6		



	Classification.		Classification.
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Cocks for acetylene-generators.....	26b, 33	Antiseptic and disinfecting.....	30h, 4
For baths.....	85f, 1	Introducing into animals' body, devices for.....	30c, 6
For dispensing vessels with invariable measuring-space.....	64c, 30	Into cavities of human body, devices for.....	30k, 17-19
For fluid-measuring devices.....	42e, 19	Medicine capsules.....	30h, 10
Generally.....	47g, 25	Spoons.....	30g, 8
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Cords.....	42b, 4	Administering, apparatus for.....	30g, 8
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For ribbons, fabrics, ropes, etc.....	42b, 5	Menu or place-card holders.....	54g, 3
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For tires, car-wheel.....	20h, 1	Mechanical features.....	8a, 20-24
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	Classification.		Classification.
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Microtelephones.....	21a, 35	Feeding and discharging apparatus for.....	50a, 8
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Military equipment.....	33d, 1-4, 7, 8	Ring.....	50c, 9
Milk, aerating.....	45g, 5	Roller.....	50c, 8, 9
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Bottles, children's.....	30g, 9-11	Rotary.....	50c, 11
Can closures.....	64a, 48	Spice.....	50b, 10
Cans, cleaning.....	64b, 1	Sugar-cane.....	89b, 2
For conveying milk.....	81c, 12	Tanwood-rasping (according to structure).....	50b; c
With means for treating milk.....	45g, 4	Wind.....	88c, 2
Condensed, packing.....	81c, 22	Structural arrangements.....	37f, 7
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Heating.....	45g, 6	Stanchions.....	5c, 4
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Preserving.....	53c, 3	Mineral-oil emulsions.....	23c, 2
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Tar, distilling.....	12r, 1	Valves and valve arrangements for.....	51d, 9
Testing.....	42l, 7	Wind-chests for.....	51d, 7, 8
Turpentine.....	23a, 6	Ornamental buttons.....	44a, 4
Ointments.....	30h, 9	Chains.....	44a, 39
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Oleomargarin.....	53h, 1	Forms, independent, producing.....	75b, 15-29
Omnibuses.....	63b, 34	Heads, removable, for nails.....	34f, 3
Motor.....	63c, 6-26	Sheet metal as structural element.....	37b, 4
Openers, crab.....	34f, 12	Stitch sewing-machines.....	52a, 9
Door.....	68d, 18	Toe-caps.....	71a, 31
For textile fibers.....	76b, 2	Ornamentation by paints.....	22g, 12
For tin cans with clasped-on or forced-on lids.....	64a, 7	In bookbinding.....	11c, 4
Letter.....	70d, 12	Surface.....	75a, 1-5; 75b; c; d
Oyster, kitchen utensils.....	34l, 21	Of textiles.....	8n, 5-8
Table utensils.....	34f, 12	Of wood by coloring.....	75c, 5
Tin can.....	64b, 28	Ornamenting ceilings and walls.....	34f, 26; 37d, 33; 75b, 24, 26
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Openwork, ornamental, (scroll-sawing, etc.).....	75b, 20	Ornaments, Christmas tree.....	34l, 27
Opera glass bags and cases.....	33b, 10	Natural.....	75b, 25
Glasses.....	42h, 11	Plastic.....	75b, 26
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	Classification.
<b>Orthopedic beds</b> .....	30f, 3
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Oscillographs.....	21e, 1, 11
Osmium, extracting.....	40a, 46
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Osmosis processes, (sugar-making).....	89h, 1
Osteoclasts.....	30a, 9
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Oval and cycloidal movements.....	47h, 21
Turning lathes.....	35b, 6; 49a, 6
Ovens, bakers'.....	2a, 1-11
Bakers', furnaces for.....	24a
Beehive coke.....	10a, 2
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Oxazoles.....	12p, 3
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Oxyanthracene compounds.....	12q, 38
Oxyantraquinone.....	12q, 38
Oxybenzyl alcohol.....	12q, 14
Oxycarboxylic acids.....	12a, 11, 14
Oxydiphenylamins.....	12q, 32
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Separating from liquid air.....	47g, 2
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Oxyketone dyestuffs.....	22b, 5, 6
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Ozocerite.....	23b, 3
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<b>Pack-needles</b> .....	52a, 40
Making.....	7e, 2
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Packaging machines, cigarette.....	81a, 9
Machines, generally.....	81a, 7
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Packing apparatus, briquet.....	81a, 10
Arranging articles for.....	81a, 14
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Cases and materials.....	81c, 20-27
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	Classification.
<b>Packing cases and materials for cycles</b> .....	81c, 23
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For metal leaf, chemicals, gas-mantles, etc.....	81c, 27
For photographic papers.....	57c, 6
For surgical instruments.....	30a, 19
For textiles.....	8f, 13
Covers, straw, machines for making.....	81a, 15
For sewing.....	52a, 26
Machines.....	81a
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Materials.....	54d, 9; 81c, 26
For sensitive plates.....	57b, 2
Made of paper.....	54d, 9
Receptacles, filling and closing.....	81a, 1-6
Wrappers.....	81c, 22
<b>Packing, (engine, joint, etc.):</b>	
Clearance, for centrifugal pumps.....	53b, 2
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Labyrinth.....	47f, 26
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Piston.....	47f, 19
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Metallic.....	47f, 24
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Packs, change, for plates and films.....	57a, 14
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Padlocks.....	68a, 100-106
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Pressure-relieving.....	30d, 9-11
Adjustable.....	30d, 10
Filled with air or liquid.....	30d, 11
Generally.....	30d, 9
Writing.....	70d, 11
Paget knitting-machines.....	25a, 1
Paging-machines.....	15h, 7
Pails.....	34f, 21
Slaughter-house.....	66a, 5
<b>Paint boxes, artists'</b> .....	75c, 16
Brush bridles.....	9, 11
Brushes.....	9, 11, 13, 17
Fastening bristles.....	9, 1
Making.....	9, 16
Spreaders, (spatulas).....	75c, 13
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Making of sheet metal.....	7c, 26
<b>Painters' chalk-lines</b> .....	75c, 27
Colors.....	22g, 2
Easels.....	34f, 9
Implements.....	75c, 20
Stencils.....	75c, 25
<b>Painting, backgrounds for</b> .....	75c, 10
Batik.....	75c, 7
Canvas-stretching frames for.....	75c, 18
Enameling.....	75c, 1
Fresco.....	75c, 1
Generally.....	75c
Glass.....	32b, 8
Gouache.....	75c, 1
Implements, artists'.....	75c, 11-22
Machines.....	75a, 19-22
Media.....	22g, 3
Oil.....	75c, 1
Pastel.....	75c, 1

Classification.	Classification.
<b>Painting, preparing surfaces by dipping or</b>	<b>Paper cups, machines for making</b> ..... 54f
cleansing..... 75c, 17	Cutters for paper-machines..... 55e, 4-6
Processes..... 75c, 1-5	For roll and wrapping paper..... 70e, 18
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Paintings, imitations or reproduction of..... 75d, 23	Cutting machines for cutting holes in labels, etc..... 11b, 9
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And coating materials for masonry..... 22g, 8	By comminuting..... 55a, 5
Imitations..... 22g, 12	Dispensers, coin-controlled..... 43b, 27
Anticorrosive..... 22g, 7	For advertising purposes..... 54g, 15
Antifouling..... 65a, 27	For closets..... 34k, 9
Applying by machinery..... 75a, 20-22	For copying, drawing, and wrapping paper..... 70e, 18
For paper..... 22g, 9	Dolls..... 77f, 8
For ships..... 22g, 7; 65a, 27	Drawing, including ruled paper..... 55f, 15
Luminous..... 22g, 2, 6-9	Driers..... 55d, 28, 29
Marine..... 22g, 7; 65a, 27	Embossing..... 54d, 1
Metal..... 22g, 6	Fat-proof and fireproof..... 55f, 11
Removing, compositions for..... 22g, 13	Filter..... 55f, 12
Implements for..... 75c, 26	Folders..... 11c, 5
Roof..... 22g, 9	Folding or plaiting..... 54d, 4
Wood..... 22g, 6	For preserving foodstuffs..... 53c, 3
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Palettes, artists'..... 75c, 14	Goffering..... 54d, 1
Pan-scales..... 42f, 4	Gold..... 55f, 13
Paneling, ceiling and wall..... 37d, 33	Guides for cylinder-presses..... 15d, 14-16
Panoramas..... 37f, 1; 77g, 4	Guiding devices on typewriters..... 15g, 35
Panoramic cameras..... 57a, 6	Hangers' implements..... 37d, 31
Pans, baking..... 2a, 12, 13; 34l, 10	Holders (clips, hooks, etc.)..... 11e, 25, 26
Dust..... 34c, 6	Honeycomb, making..... 54d, 6
Roasting..... 34l, 10	Impregnating..... 8k, 3; 55f, 11
Pantographs, elastic..... 15c, 5	Making..... 55a-i
For embroidering-machines..... 52b, 4	Machines..... 55d
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Paper bag machines..... 54c, 3	Foudrinier..... 55d, 22
Bag opening devices..... 30g, 6	Long (endless) wire-cloth..... 55d, 22
Bags..... 54b, 4	Mixing and working raw materials for..... 55a, 5
Making..... 54b, 3	Manufactures..... 54a-f
Blotting..... 70d, 1, 2	Marbled..... 55f, 3
Making..... 55f, 12	Metallic..... 55f, 13
Blue print..... 57b, 11	For cigarettes..... 79b, 19
Board..... 55d, 21, 28; 55f, 1, 8, 10, 16	Moisteners..... 15d, 27; 55e, 3; 70d, 3
Beveling machines..... 54a, 3	For copying-machines..... 70b, 2
Boxes for packing purposes..... 81c, 13	Money..... 75d, 5
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Cutters..... 11b, 10	Paints for..... 22g, 9
Cutting machines..... 11b, 10; 54a, 3	Parchment, making..... 55f, 7
Drying apparatus..... 55d, 28	Perforators..... 15e, 2; 54d, 3
Embossing..... 54d, 1	For portfolios..... 11e, 8
For walls, making..... 55f, 10	On portfolios..... 11e, 9
Impregnating..... 55f, 11	Reinforcing-strips at perforated points..... 11e, 8
Manufactures..... 54a-d; f	Photographic..... 57b, 3, 5, 9, 11
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Paper-covered..... 55f, 1	Printing..... 55f, 15
Roofing, making, chemical features..... 8l, 3	Printing on..... 15a-e; k
Mechanical features..... 8a, 28	Pulp, bleaching, loading, sizing, working..... 55c, 9
Roofs..... 37c, 6	Pulp catchers..... 55d, 13
Scoring machines..... 54a, 1	Coloring..... 55c, 3
Tubes..... 54c, 1, 2	Fiber-breaking devices..... 55c, 12
With fabric inserts and coverings..... 55f, 8	(Papier-mâché) for manufacture of articles..... 54e
Bottles, making..... 54f	Working engines..... 55c, 9
Box machines..... 54a, 4	Punching, (see also Paper, perforating)..... 54d, 2
Boxes, making..... 54a	Receptacles for shipping milk..... 54f
Capsules for pharmaceutical purposes..... 30g, 6	Removing printers' ink from..... 55b, 4
Plaited..... 54d, 5	Rolls for memoranda..... 70d, 11
Carbon..... 55f, 15	Sacks..... 54b, 4
Composition of ink for..... 15l, 7	Making..... 54b, 3
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Feed mechanism for..... 15g, 27, 30	Self-toning..... 57b, 9
Cases..... 54c, 3	Shells for cigarettes..... 79b, 20
Casks, making..... 54f	Shirt-fronts..... 3a, 3
Carton..... 55f, 1	Silver..... 55f, 13
Cigarette..... 79b, 21	Sizing..... 55c, 2
Collars and cuffs..... 3a, 4, 5	Spinning..... 70c, 29
Colored..... 55f, 4, 16	Stamping out..... 54d, 2
Copying..... 55f, 15	
Composition of ink for..... 15l, 7	
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	Classification.
<b>Paper stripping, photographic</b> .....	57b, 3
Stuff, (see also Paper-pulp,) bleaching, load- ing, sizing, working.....	55c, 9
Tablets or blocks.....	11e, 6, 7
Tobacco.....	79c, 1
Toilet.....	34k, 9
Tracing.....	55f, 15
Transfer.....	55f, 15
Trimming machines.....	11b, 1-8
Tubes.....	54c, 1, 2
Waste, treating.....	55b, 4
Waterproof.....	55f, 11
Wearing-apparel, (shirt-fronts, collars, and cuffs).....	3a, 3-5
Weaving.....	86c, 1
Web-winding machines and reels.....	55e, 7
Webs.....	55d, 20, 22, 23
Weighing apparatus.....	42f, 30
Weights.....	70d, 11
With fabric inserts and coverings.....	55f, 8
Papier-mâché.....	54e
Papin's digesters.....	34l, 2
Parachutes for aerial navigation.....	77h, 4
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Paraffin.....	23b, 2
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Leg compasses.....	42a, 2
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Movement shears for cutting metal.....	49b, 11
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Parasols.....	33a, 1-10
Parcel carriers and holders.....	33d, 12
Carriers and holders, wooden, making.....	38k, 5
Labels and tags.....	54b, 6
Parchment.....	28a, 8
Paper, making.....	55f, 7
Paring machines, leather.....	28b, 23
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Parquetry floors.....	37d, 5
Floors, steel shavings for polishing.....	49i, 8
Plates or slabs, making.....	38k, 2
Partitioning balloon-envelops.....	77h, 4
Partitions, collapsible.....	37a, 4
Formed of folding doors.....	37d, 23
Movable.....	37d, 23
Safety, for theaters.....	37f, 1
Passementerie.....	25c
Covering machines.....	25c, 1
Pasepartout for picture-framing.....	11b, 9
Pasteboard: See Paper-board.	
Paste mixtures and pasted plates for storage bat- teries.....	21b, 17
Supports for storage batteries.....	21b, 20, 21
Pastel inks.....	15k, 3
Painting.....	75c, 1
Pasteurizing beer.....	6d, 1, 2
Milk.....	53e, 1, 2
Wine.....	6d, 1, 2
Pastils or lozenges.....	30h, 9
Machines for making.....	30g, 7
Pasting-machines for covering books.....	11c, 3, 5
For covering paper boxes.....	54a, 12, 13
Sheet-metal plates, wood, and paper-board.....	55f, 1
Pastry baking machines.....	2a, 12
Tins.....	34l, 10
Paternoster-hoists.....	35a, 7; 81e, 6-12
Pattern chains for knitting-machines.....	25a, 27
Changing mechanism for embroidering-ma- chines.....	52b, 5
Charts.....	54g, 16
Forming in looms.....	86b, 1-10; 86c, 1-7; 86d, 1-8
Making for weaving.....	86h, 1
Mechanism for braiding and lace-making ma- chines.....	25b, 6

	Classification.
<b>Pattern plates for metal-founding</b> .....	31c, 8
Plates for printing-surfaces.....	15b, 1
Pricking implements.....	75c, 27
Machines.....	75a, 23
Patterns, designing and copying.....	3d, 4
Drawing.....	3d, 2, 4
For metal-founding.....	31c, 8
Molding, for walls and ceilings.....	37d, 32
Pavements, asphalt.....	19c, 3
Cork.....	19c, 5
Iron.....	19c, 5
Rubber.....	19c, 5
Street, with railway-crossings.....	19c, 7
Wood.....	19c, 4
Paving.....	19c
Blocks, slabs, and tiles.....	19c, 2, 5; 37b, 2; 37d, 6
Making.....	80a, 29; 80b, 8
Connecting to street-railway tracks.....	19c, 7
Ramming and stamping machines.....	19c, 9
Stones, making of asphalt, mortar, etc.....	80a, 50
Pawl-driving mechanism.....	47h, 5
Pawls.....	47h, 5
Pay windows, wickets, etc.....	37d, 39
Pearl barley cutting machines.....	50b, 9
Barley, preparing.....	50a, 2, 7; 50b, 9
Grinding machines.....	67a, 21
Peat as fodder.....	53g, 1
As fuel for driving engines.....	46d, 11
Block delivering apparatus.....	10c, 2
Briquets.....	10c, 8
Carbonizing.....	10a, 27-29
Comminuting for paper-making.....	55a, 4
Compositions for artificial stones.....	80b, 17
Cutting and digging machines.....	10c, 2, 3
Digging, generally.....	10c, 1
Dividers.....	10c, 2
Electric osmose of.....	10c, 6
Fertilizers.....	16, 14
Fiber, cleaning.....	29b, 2; 76b, 37
Drying.....	82a, 1-25
Extracting.....	29a, 5
Furnaces.....	24l, 2, 4
Machines for working up peat into briquets.....	10c, 4
Presses for removing water.....	10c, 7
Processes for removing water.....	10c, 6
Raw, comminuting.....	10c, 5
Reducing to litter, powder, etc.....	10c, 5
Pedal stools for pianos.....	51b, 34
Supports for cycles.....	63f, 2
Pedals, cycle.....	63k, 33
Piano.....	51b, 34
Pedestals, (axle-box guides).....	20d, 13
Pedometer-type winders for timepieces.....	83a, 34
Pedometers.....	42p, 9, 11
On watches.....	83a, 83
Peeling apparatus for household use.....	34b, 7
Machines, asparagus, for bulk treatment.....	45e, 45
Asparagus, for household use.....	34b, 7
Bark.....	38i, 1
Cane and reed.....	38i, 1
Fruit, for bulk treatment.....	45e, 44, 45
For household use.....	34b, 7
Potato, for bulk treatment.....	45e, 44
For household use.....	34b, 7
Vegetable, for bulk treatment.....	45e, 44, 45
For household use.....	34b, 7
Veneer.....	38i, 2
Willow.....	38g, 1; 38i, 1
Peep holes in buildings.....	37d, 39
Shows.....	77g, 9
Pegs.....	37b, 5; 45f, 15; 71a, 33
Clothes.....	8d, 14
Shoemakers'.....	71a, 33
Pellet-dispensers for exterminating animals and plants.....	45k, 4
Pellets, igniting, for gas lighters and burners.....	4e
Priming, for blasting.....	78f
Pelt-shearing machines.....	28b, 25
Pelts, dyeing.....	8m, 10; 28b, 17

	Classification.		Classification.
<b>Pen boxes, cases, and racks</b> .....	70e, 12	<b>Perfuming materials for coal gas</b> .....	26c, 12
Cleaners.....	70b, 6	Pergamine (parchment paper).....	55f, 7
Containers.....	70e, 12	Perimeters.....	42h, 32
Extractors.....	70b, 6	Periscopes.....	42h, 10
Fillers.....	70b, 6	Permanent-way.....	19a
Holders.....	70a, 6; 70b, 3	Draining.....	19a, 1
Combined with pencils.....	70a, 6	Implements and machines for building.....	19a, 27-31
With various articles.....	70a, 7	Iron cross-ties.....	19a, 3, 11
Wipers.....	70b, 6	Isolated ties.....	19a, 5, 12
<b>Pencil boxes and cases</b> .....	70e, 12	Longitudinal ties.....	19a, 4, 12
Holders.....	70a, 5, 6	Preventing dust.....	19a, 1
Point protectors.....	70a, 9	Sound-deadening devices for.....	19a, 1
Sharpeners.....	70e, 13-16	Systems.....	19a, 3-5, 7, 9, 11-13, 21-24
<b>Pencils and penholders combined</b> .....	70a, 6	Permutation locks.....	68a, 25-30
Colored.....	70a, 1, 2	"Permutit" (an artificial zeolite).....	12i, 37
Colored, compositions for.....	22g, 2	For chemical processes generally.....	12g, 1
Machines for making.....	70a, 1	For water purification.....	12d, 1; 85a, 7; 85b, 1
Machines for making.....	70a, 1	Peroxid, barium.....	12i, 16
Magazine.....	70a, 4	Hydrogen.....	12i, 16
Pendants, watch.....	44a, 39	Lead.....	12n, 7
<b>Pendulum governors for engines, generally</b> .....	60, 5, 6	Magnesium.....	12i, 16
Governors for explosion and internal-combustion engines.....	46b, 8	Manganese.....	12n, 3
Levels.....	42c, 25	Sodium.....	12i, 16
Leveling instruments.....	42c, 7	Zinc.....	12i, 16
Meters, electric.....	21e, 20	Persulfates.....	12i, 16
Mills.....	50c, 2	Pessaries.....	30d, 17
Scales.....	42f, 1	Pestles.....	30g, 7
Sights.....	72f, 4	Petroleum.....	23b, 1, 4
<b>Pendulums for clocks</b> .....	83a, 20	Burners.....	4g, 1-37
Torsion, for clocks.....	83a, 21	Cans.....	34l, 20
<b>Pens, drawing</b> .....	42a, 9, 10	Cookers.....	34a, 1, 4, 5
Fountain.....	70b, 4, 5	Engines.....	46a, 26-28
Drawing.....	42a, 10	Extracting by mining.....	5b, 12
Reservoir.....	70b, 2	Lamps.....	4a
Writing.....	70b, 1	Purifying and distilling.....	23b, 1
Making.....	7c, 40	Receptacles and storage with means to prevent explosions.....	81e, 38
<b>Pepper distributors</b> .....	34f, 16	Rendering odorless.....	23b, 1
Mills.....	50b, 10	Soaps.....	23c, 3
Substitutes.....	53k, 1	Solid.....	23c, 3
<b>Peptones</b> .....	53i, 2	Solidifying for heating purposes.....	10b, 11
<b>Peracids, inorganic</b> .....	12i, 16	For lighting purposes.....	23c, 3
Organic.....	12o, 11	For lubricating purposes.....	23c, 3
<b>Perambulators</b> .....	63b, 45-53	Wagons.....	63b, 35
<b>Perborates</b> .....	12i, 16	Wick burners for heating purposes.....	4g, 6
<b>Percarbonates</b> .....	12i, 16	<b>Pharmaceutical implements and machines</b> .....	30g, 1-7
<b>Perches, vehicle</b> .....	63b, 10	Preparations.....	30h
<b>Perchlorates</b> .....	12i, 7, 8; 12k, 6; 78c, 15	Pharmacies.....	30g; h
Ammonium.....	12i, 7, 8; 12k, 6	Field.....	33d, 8
For explosives.....	78c, 15	Phase meters.....	21e, 7
<b>Percussion caps, blasting, fuses and compositions for</b> .....	78e, 2	Regulators for alternating-current generators.....	21d, 32
Caps for cartridges.....	72d, 4	Transformers.....	21d, 35
Setting and extracting appliances.....	72d, 13	Phenacetins.....	12o, 16
Instruments for diagnostic purposes.....	30a, 5	Phenanthracins.....	22c, 3
Jigs for ore and fuel dressing.....	1a, 4	Phenol carboxylic acid esters.....	12q, 31
Massage.....	30f, 7	Carboxylic acids.....	12q, 29
<b>Perfecting-presses</b> .....	15d, 18, 37	Esters.....	12q, 21
<b>Perforated bars for holding windows in adjusted positions</b> .....	68d, 25	Ethers.....	12o, 14
Strip punching machines.....	15a, 21	Formaldehyde resins, insoluble.....	39b, 8
<b>Perforating and pricking devices</b> .....	15e, 2; 54d, 3; 75c, 27	Soluble in alkalis.....	12q, 20
Apparatus for embroidering-machines.....	52b, 6	Phthaleins.....	12q, 19
Devices for hand-stamps.....	15e, 2	Sulfo-acids.....	12q, 22
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For punching or stamping paper.....	15h, 2	Amino.....	12q, 32-36
For telegraph sending-strips.....	21a, 7	Indo.....	22c, 6
Glass.....	32a, 23	Nitroso.....	12q, 15
In printing presses.....	15e, 2	Thio.....	12q, 18
Independent.....	15h, 2	Phenyldimethylpyrazolone.....	12p, 8
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Machines for transferring drawings.....	75a, 23	Phenylquinolin carboxylic acid.....	12p, 1
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<b>Perforators</b> .....	15e, 2, 3; 54d, 3; 87b, 6	Phonograph records and record holders.....	42g, 16
Cigar.....	44b, 17	Type-writers.....	42g
Perfume-dispensers.....	43b, 30	Phonographic telephones.....	21a, 30
Perfumes.....	23a, 6	Phonographs.....	42g
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		Phonolas, (pianolas).....	51d, 32-35



	Classification.		Classification.
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Alkali.....	16, 4	Generally.....	87b, 1
Dicalcium.....	16, 2	Picric acid for explosives.....	78c, 13
Super.....	16, 1	<b>Picture frames</b> .....	34f, 2
Phosphoric acids.....	121, 30; 16, 1	Frames of folded or plaited paper.....	54f
Phosphorus.....	121, 30	Hanging devices.....	34f, 3
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In production of ingot-iron.....	18b, 9	Mountings.....	75b, 23
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Photogrammetry.....	57b, 12	Viewing apparatus.....	77g, 9
Photograph-stands.....	34f, 4	Pictures, changeable.....	75d, 5
Made of paper or paper-board.....	54f	Comic.....	75d, 5
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Appliances and machines.....	57c	By iridescent effects.....	75d, 6
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Finishing.....	57b, 17; 57c, 13	Röntgen ray.....	21g, 17; 57b, 12
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Röntgen ray.....	30a, 6; 57b, 12	Producing by painting.....	75c, 5
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Generally.....	57a-d	Transmitting to a distance.....	21a, 8, 50; 57d, 10
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Upright.....	51b	Warp regulators.....	86d, 8
Violin.....	51b, 37	<b>Pile, (timber)</b>	
Pianolas.....	51d, 32-35	Drivers.....	84c, 4
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Picking apparatus for looms.....	86c, 21	Piling, forming foundations by means of, in- cluding removal.....	84c, 2
Machines for cushion-filling material, etc.....	63a, 3	Material in bulk, apparatus for.....	81e, 32
Hop.....	45e, 21	Pill counters.....	30g, 8
Pickling meat.....	53c, 2	Presses.....	58b, 13
Metal articles.....	48a, 1	Pills, lozenges, etc.....	30h, 9
Sheet metal and wire by chemicals.....	48d, 2	Making by machinery.....	30g, 7
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	Classification.		Classification.
<b>Pillow-beating machines</b> .....	8e, 1	<b>Pipes, sewer</b> .....	85e, 8
<b>Pillows</b> .....	34f, 9; 34g, 19	<b>Smoke</b> .....	24a; 24g, 4
<b>Pilot flames and formation of same</b> .....	4d, 6-8	For locomotive-sheds.....	36d, 9
<b>Pincers, lasting, for lasting-machines</b> .....	71c, 21, 22, 25, 26	<b>Stand, for gas-retorts, and cleaning of same</b> .....	26a, 15
<b>Shoemakers</b> .....	71c, 19	<b>Steam</b> .....	13d, 1
<b>Pinch-cocks for dispensing vessels</b> .....	64c, 34	<b>Stove</b> .....	36a, 14
<b>Pin cushions</b> .....	3d, 7; 52a, 58	<b>Street sewer</b> .....	85e, 6
<b>Pin-hole cameras</b> .....	57a, 1	<b>Tobacco</b> .....	44b, 1-11
<b>Pin-ne hydrochlorates</b> .....	120, 25	<b>Artificial coloring by smoking, (meerschäum pipes)</b> .....	44b, 8
<b>Ping-pong-ball gatherers</b> .....	77a, 17	<b>Bowl-covers</b> .....	44b, 8
<b>Pinion cutting and finishing machines, watch-making</b> .....	83c, 1	<b>For bee-raisers</b> .....	45b, 16
<b>Pins</b> .....	44a, 25	<b>Narghile type</b> .....	44b, 6
<b>And needles, making</b> .....	7e, 1-6	<b>Tobacco-tampers</b> .....	44b, 10
<b>Bowling-alley</b> .....	77c, 5	<b>With means for feeding the tobacco</b> .....	44b, 7
<b>Brooch</b> .....	44a, 32	<b>Waste</b> .....	37c, 10; 85e, 16; 85b, 15
<b>Fusing on heads, machines for</b> .....	44a, 26	<b>Piperazin</b> .....	12p, 6
<b>Hair</b> .....	44a, 22	<b>Piperidin</b> .....	12p, 1
<b>Making</b> .....	7e, 4	<b>Pipettes</b> .....	42l, 3
<b>Hat</b> .....	44a, 21	<b>Absorption, for gas analysis</b> .....	42l, 4
<b>Making</b> .....	7e, 4	<b>Pistol-holsters</b> .....	72a, 33
<b>Means for fastening</b> .....	44a, 22-31	<b>Pistols</b> .....	72a, 8, 9
<b>Ornamental</b> .....	44a, 23	<b>Automatic</b> .....	72h, 5
<b>Packing, apparatus and machines for</b> .....	81a, 12	<b>For igniting quick matches</b> .....	78e, 4
<b>Safety</b> .....	44a, 24	<b>Slaughtering</b> .....	66a, 2
<b>Apparatus for automatic feeding of caps</b> .....	7e, 1	<b>Squirting</b> .....	72b, 7
<b>Making</b> .....	7e, 1	<b>Toy, report-producing</b> .....	72b, 5
<b>Scarf</b> .....	44a, 23	<b>Piston lubricating devices</b> .....	47e, 10
<b>Pipe and hose couplings</b> .....	47f, 6-14	<b>Manometers</b> .....	42k, 10
<b>Cleaners, beer</b> .....	64b, 7	<b>Packing</b> .....	47f, 19
<b>Sewer and water</b> .....	85e, 18	<b>Pumps, generally</b> .....	59a, 1
<b>Smoke</b> .....	24g, 4	<b>Hand</b> .....	59a, 2
<b>Closures for pneumatic cleaners</b> .....	8e, 3	<b>High speed</b> .....	59a, 4
<b>Generally</b> .....	47f, 21	<b>Steam</b> .....	59a, 3
<b>Connections for closet-bowls</b> .....	85b, 15	<b>With valve-gears</b> .....	59a, 5
<b>For electric-wire tubes</b> .....	21c, 24	<b>Rings, including tools for putting on</b> .....	47f, 19
<b>Generally</b> .....	47f, 6-14	<b>Rod lubricating devices</b> .....	47e, 11
<b>Sewer</b> .....	85e, 8	<b>Rods</b> .....	47b, 19
<b>Coolers</b> .....	17f	<b>Slide-valves, generally</b> .....	47g, 28
<b>Making by galvanoplastic processes</b> .....	48a, 7	<b>For steam-engines</b> .....	14d, 7
<b>Of sheet metal</b> .....	7c, 24	<b>Water-meters</b> .....	42e, 8-10
<b>Couplings for railway-vehicles</b> .....	47f, 12	<b>Pistons as machine elements</b> .....	47f, 19
<b>Train</b> .....	20e, 15	<b>Differential, for steam-engines</b> .....	14a, 7
<b>Cut-offs for water-closets</b> .....	85b, 11	<b>For explosion and internal-combustion engines</b> .....	46c, 5
<b>(Valves) for water-supply systems</b> .....	85d, 2	<b>Multiple, for steam-engines</b> .....	14a, 7
<b>Cutters, metal, hand-operated</b> .....	7c, 19	<b>Pump</b> .....	59a, 11
<b>Mechanically operated</b> .....	49b, 11, 12, 21	<b>Rotary or oscillating, for steam-engines</b> .....	14b
<b>Driers</b> .....	82a, 20	<b>Pitch</b> .....	22h, 7
<b>Flanges, making</b> .....	7c, 21	<b>Boilers</b> .....	10b, 7; 22h, 7
<b>Flanging machines</b> .....	7c, 20	<b>Brewers'</b> .....	22h, 8
<b>Hangers for general building purposes</b> .....	37b, 5	<b>Forks</b> .....	45c, 2
<b>For piping, generally</b> .....	47f, 2	<b>(Music) devices for giving the pitch (tuning-forks, etc.)</b> .....	51e, 2
<b>For rain-pipes</b> .....	37c, 10	<b>Removing devices for barrels</b> .....	6f, 3
<b>Isolating valves, automatic</b> .....	47g, 15-18	<b>Pitchers, water</b> .....	34k, 1
<b>Pliers</b> .....	87a, 14	<b>Pitching apparatus, cask</b> .....	6f, 3
<b>Release-valves (brake-accelerators) for compressed-air brakes</b> .....	20f, 32	<b>Pivot joints as machine elements</b> .....	47b, 13
<b>Shearing machines</b> .....	49b, 11, 12	<b>Teeth, fastening (dentistry)</b> .....	30b, 15
<b>Sockets, making</b> .....	7b, 19	<b>Placard-frames</b> .....	54g, 3
<b>Stops for sewer-pipes</b> .....	85e, 15-17	<b>Place card holders</b> .....	54g, 3
<b>Supports</b> .....	47f, 1	<b>Indicators for street-vehicles</b> .....	42p, 11
<b>Wrenches</b> .....	87a, 14, 15	<b>Plaiting fabrics</b> .....	8g
<b>Pipes as machine elements</b> .....	47f, 3, 5-15	<b>Plane-bits, making</b> .....	49g, 9
<b>Beer</b> .....	64c, 1, 10, 31	<b>Planes, dovetail</b> .....	38e, 3
<b>Brake-hose</b> .....	20f, 41	<b>Grooving</b> .....	38e, 3
<b>Casings for passing through walls</b> .....	47f, 1	<b>Metal-working</b> .....	49b, 3
<b>Coiled</b> .....	7b, 20; 80a, 33	<b>Rabbet</b> .....	38e, 3
<b>Drainage</b> .....	45a, 39	<b>Woodworking</b> .....	38e, 3
<b>Earthenware, for irrigating systems</b> .....	45a, 39	<b>Plane-tables, surveyors</b> .....	42c, 8
<b>For conveying excavated material</b> .....	84d, 5	<b>Planet-wheel gearing, generally</b> .....	47h, 7, 13
<b>Mine-gobbing</b> .....	5d, 9	<b>Planataria</b> .....	42n, 7
<b>Gas</b> .....	4c, 15-22	<b>Planetary gearing for cycles</b> .....	63k, 1, 16
<b>House sewer</b> .....	85e, 7	<b>Gearing for motor-cars</b> .....	63c, 8
<b>Jet, for fire-engine</b> .....	61a, 16	<b>Generally</b> .....	47h, 7, 13
<b>For garden-hose, fountains, etc.</b> .....	85g, 2	<b>Movements of centrifugal drums</b> .....	82b, 6
<b>Joining</b> .....	7c, 21; 47f, 6-14	<b>Of seats of roundabouts</b> .....	77e, 9
<b>Organ</b> .....	51a, 10	<b>Planimeters</b> .....	42c, 12
<b>Passing through roofs</b> .....	37c, 11		



	Classification.
<b>Planing benches</b> .....	38e, 7
Machines, file-cutting.....	49d, 1, 2
For stereotype-plates.....	15c, 3
For stone-working.....	80d, 12
For wood-molding.....	38b, 3
For woodworking, generally.....	38b, 1
Metal.....	49b, 1-10
Plate edge.....	49b, 3
Rail, portable.....	19a, 31
Safety devices for.....	38e, 11
<b>Plant props and supports</b> .....	45f, 15
Shades.....	45f, 9
Stalks, retting.....	29a, 4
Retting, bacteriological.....	29b, 2
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Implements for.....	45a, 2; 45k, 4
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From insects, etc.....	45k, 5
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<b>Plaster boards and slabs</b> .....	37b, 2
Lathing.....	37a, 3
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Of Paris.....	80b, 6
Casts.....	31c, 20; 75a, 18
Kilns.....	80c, 11
Mortar.....	80c, 6
Supports.....	37a, 3
Plastered ceilings.....	37a, 3
Plastering apparatus for ceilings and walls.....	37d, 32
Plasters, adhesive.....	30d, 21; 30h, 9
Medical and surgical, containers for.....	30d, 23
Making by hand and machines.....	30g, 7
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<b>Plate and tile presses</b> .....	80a, 31
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Printing machines for textiles.....	8c, 2-4
Supports for glass-rolling apparatus.....	32a, 21
Washing machines.....	34c, 10
<b>Platen printing-presses</b> .....	15d, 35-44
Printing-presses for multicolor printing.....	15d, 36
Platens, type-writer.....	15g, 36
Plates and dishes.....	34f, 11
And dishes of paper and paper-board.....	54f
Of sheet metal, making.....	7c
And tiles, making.....	80a, 31
Armor.....	18c, 4; 65e, 3; 72g, 3
Bearing, for girders.....	37b, 5
Denure.....	30b, 12
Distribution, for electric wires.....	21c, 25
Facing.....	37b, 2
Making of clay.....	80a, 50
Fireproof, for building purposes.....	37b, 1, 2
Mosaic, machines for making.....	75a, 4
Processes for making.....	75b, 13
Name, for houses.....	54g, 2, 11
Or slabs, building.....	37b, 2
For floor and wall coverings.....	37d, 6, 33
Ornamental.....	75b, 24

	Classification.
<b>Plates, photographic</b> .....	57b, 2-8
Photographic, changing devices.....	57a, 13
Developing.....	57b, 8
Dry.....	57b, 1, 6, 8
Engraving.....	57b, 7
Photomechanical, etching.....	48d, 1; 57d, 2, 5
Press.....	8b, 17
Printing.....	15l, 1-7
Stereotype.....	15b, 2-6; 15c, 3
Relief.....	15k, 10
Prism, for overhead lighting.....	4b, 16
Separating, for primary and secondary cells.....	21b, 2
Shaper, for metal-molding.....	31c, 8
Storage battery.....	21b, 18, 19
Making by casting.....	31c, 22
By mechanical means.....	49i, 4
Sounding, for pianos.....	51b, 40
Stucco, for ornamentation.....	75b, 26
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Ornamental.....	75b, 24
<b>Platform bridges for passenger-cars</b> .....	20c, 31
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Scales.....	42f, 8, 9
<b>Platforms for locomotives</b> .....	20b, 14
For ships' guns.....	65a, 29
Moving.....	20a, 6
Timber, for foundations.....	84c, 2
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Mechanical, of wire, tubes, plates, etc.....	49i, 5
<b>Platinum compounds</b> .....	12n, 8
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Preparation.....	40a, 46
Electrolytic.....	40c, 7
<b>Players, mechanical</b> .....	51d
Automatic, (orchestrions).....	51d, 1
Electrically operated.....	51d, 30
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Miscellaneous mechanism for.....	51d, 34-37
With pneumatic-mechanical driving apparatus.....	51d, 31
With purely pneumatic driving apparatus.....	51d, 32
<b>Playing apparatus, mechanical, for keyed instruments</b> .....	51d, 27-33
Cards.....	54b, 8; 77d, 6
<b>Plessimeters, (pleximeters)</b> .....	30a, 5
<b>Pliers and tongs, block-tongs for cranes</b> .....	35b, 7
Block-tongs, horizontal and vertical, for ingot-charging cranes.....	18b, 15
Button-fastening.....	3c, 10; 71c, 61
Clothes-tongs.....	8d, 11
Dating-stamp pliers.....	15h, 1
With shifting mechanism.....	43a, 35
Dental.....	30b, 8
Eyelet-setting, shoemakers'.....	71c, 60
For cranes.....	35b, 7
For inserting nose-rings.....	45h, 9
For knotting tufted carpets, etc.....	25d, 2
For quick matches, (fastening blasting-caps, etc.).....	78e, 4
For stoves.....	34d, 3
For straightening nails.....	87b, 6
For wire-upsetting.....	7d, 5
Forge.....	87a, 16
Generally.....	87a, 16
Horseshoers'.....	45i, 13
Lasting-punchers for lasting-machines.....	71c, 21, 22, 25, 26
Shoemakers', for handwork.....	71c, 19
Load carrying and conveying, for cranes.....	35b, 7
Pot-lifters.....	34f, 14
Saw-setting.....	35a, 14
Seal-pliers for hand use.....	87b, 5
Stamp-pliers.....	15h, 1
Stripping, for metal-casting.....	31c, 31
Sugar-tongs, etc.....	34f, 12
Surgical.....	30a, 16
Ticket-punching and stamping.....	43a, 21
Tube-cutting.....	87a, 14
Wire-cutting.....	49b, 17
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	Classification.		Classification.
<b>Plowshares</b> .....	45a, 6	<b>Pocket scales</b> .....	42f, 26
Making by rolling.....	7f, 3	Scissors.....	69, 4
<b>Plows, agricultural</b> .....	45a, 6-24	Spittoons.....	30g, 14
Drainage.....	45a, 20	<b>Pockets garment</b> .....	3b, 2
Electric.....	45a, 23	<b>Point locating apparatus and machines for</b>	
Fitted with harrows.....	45a, 16	sculptors.....	75a, 16
Furrowing.....	45a, 19; 45b, 8	Locks for switches.....	20i, 5
Grubbing.....	45a, 19	Pointers for maps, etc.....	42n, 6
Invertible, (sidehill).....	45a, 13, 14	Pointing joints and cracks apparatus for.....	37d, 40
Motor.....	45a, 21, 22	<b>Poison-containers for pharmacies</b> .....	30g, 4
Potato-digging.....	45c, 6	Pokers.....	24f, 21; 34d, 3
Reversible, (to turn at end of furrow).....	45a, 15	<b>Polarization apparatus</b> .....	42h, 21
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Shovel.....	45a, 19	And shaft releasing devices.....	63b, 20
Sidehill.....	45a, 13, 14	Supports.....	56a, 25; 63b, 17
Snow, as rail-cleaners for street-railways.....	19b, 2	For agriculture machines.....	45c, 33
Electrically driven.....	20l, 27	Changing in alternating-current motors.....	21d, 43
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For sliding-poise scales . . . . .	42f, 7	Projectiles, balloon, incendiary, etc . . . . .	72d, 19
For weighing apparatus . . . . .	42f, 32, 33	Barrel-cleaning . . . . .	72d, 1, 6
Metal leaf . . . . .	15k, 5	Explosive . . . . .	72d, 18
Mosaic . . . . .	15k, 2	Guiding and lubricating . . . . .	72d, 20
Multicolor . . . . .	15d, 20, 36; 15k, 2; 57d, 3, 9	Hardening . . . . .	18c, 2
Collecting-forms for . . . . .	15k, 2	Light . . . . .	72d, 19
Music . . . . .	15k, 9	Lubricating . . . . .	72d, 20
Nature designs . . . . .	15k, 9	Making . . . . .	49a, 32
Negative . . . . .	15b, 4	Measuring gas-pressure in . . . . .	42k, 7
Offset . . . . .	15d, 8, 22	Ordinance . . . . .	72d, 16
Catatypes, etc . . . . .	57d, 9	Practice . . . . .	72d, 6
Processes . . . . .	15k, 1	Rocket . . . . .	72d, 19
		Self-igniting . . . . .	72d, 17
		Small-arm . . . . .	72d, 15
		Throwing from airships, apparatus for . . . . .	77h, 15
		Stinkpots, etc . . . . .	72d, 19

	Classification.		Classification.
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Optical features.....	42h, 9	conduits.....	85h, 11
Prolapsis appliances for veterinary purposes.....	30c, 7	Against drop of voltage in return-conductors	
Propeller screws.....	65f, 3; 77h, 6	for electric railways.....	20k, 18
Shaft bearings for ships.....	65f, 10	Against dust and wind for motor-cars.....	63c, 24
Shafts for ships.....	65f, 9	Against earth-currents for electric railways.....	20k, 18
<b>Propellers</b> .....	65f, 3-26; 77h, 6, 12, 13	Against induction disturbances for electric	
Buoyant, for ships.....	65a, 2	railways.....	20k, 18
Momentum, for aircraft.....	77h, 13	Against insects in connection with beds.....	34g, 20
For ships.....	65f, 16	Insects, etc., for human beings and ani-	
Reacting, for aircraft.....	77h, 12	mals.....	45k, 5
For ships.....	65f, 12-14	Against wind and weather for drivers of	
Screw, for aircraft.....	77h, 6	locomotives and street-cars.....	20c, 29
For ships.....	65f, 3	Against wind and weather, etc., in connec-	
Ships' mechanical drive of.....	65f, 19-24	tion with gardening and forestry.....	45f, 11
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<b>Props, drill</b> .....	5b, 8	For ships' crews.....	65a, 24
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<b>Propulsion, electric, of railway-cars</b> .....	20l, 4-7	For windows.....	34e, 16
<b>Protection against fresh paint on buildings, etc.</b>	37d, 39	Head-coverings for animals.....	45h, 8
Against induction disturbances and high ten-		Helmets for firemen.....	61a, 19
sion in telegraph and telephone lines.....	21c, 4; 21a, 27	For protection of head from blows.....	41c, 2
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From lightning.....	21c, 11, 61	<b>Protectors, carpet</b> .....	34f, 26
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ductors.....	21c, 61	Connected with collar.....	3a, 4
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Of cycles against theft.....	63f, 7, 9	Eye.....	30d, 27
Of cycle-tires against puncturing.....	63e, 11	For animals.....	45h, 8
Of illuminating-gas against freezing.....	26c, 12	For fencers.....	77a, 23
Of machines against breaking by weakening		Trousers, including those fastened to shoes.....	3r, 20
cross-section at selected points, (artificial		<b>Protractors</b> .....	42c, 4, 5, 8
places of fracture).....	47a, 18	Pruning or grafting appliances.....	45f, 2
Of metals against chemical actions.....	48a, 1-6, 11-15; 48b	Prussian blue.....	22f, 7
etc.).....	20d, 28	Prussic acid.....	12k, 7-10
Of railway-car wheels, (derailment-guards,		<b>Public amusement apparatus</b> .....	77e
etc.).....	65d, 8	<b>Puddling-furnaces</b> .....	18b, 5-7
Of ships from mines and torpedoes.....	20f, 42	<b>Pull keys for locks</b> .....	68a, 17
Of single-track sections with side tracks.....	45f, 11	Switches, electric.....	21c, 31
Of trees against injury from gnawing.....	63b, 44	<b>Pulley blocks</b> .....	35c, 2-7
Of vehicles against theft.....	44a, 41	Molding machines.....	31b, 6
Of watches, etc., against theft.....	37d, 16	<b>Pulleys, belt</b> .....	38f, 7; 47b, 21, 22
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dirt.....	37b, 6	Guide and tension.....	47b, 27
Of wood from decomposition, fire, and fungus.....	20c, 17, 18	Making of sheet metal or tubing.....	7c, 32
<b>Protective cars (buffer-cars, etc.) for railways</b> .....	83a, 49	Rope.....	47b, 26
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Casings for cigars.....	70b, 4	<b>Pulp catchers, (paper-making)</b> .....	55d, 13
For dresses and furs, including those com-		Grinders.....	55c, 9
bined with coat-hangers.....	341, 30	Regulators.....	55d, 14
For fountain-pens.....	72f, 16	Stirrers.....	55d, 24
For sighting mechanism of guns.....	30a, 19	Webs in paper-making machines.....	55d, 20
For thermometers.....	34k, 8	Pulsometers.....	59c, 1, 2
Clothing.....	3b, 4	Pulverizing blast-furnace slag.....	80b, 5, 22
Armored.....	72g, 1	<b>Pump capacity governors for internal-combus-</b>	
Coatings for small coal.....	10b, 8	tion engines.....	46b, 17
Compositions to prevent deposits on eye-		Elements.....	59a, 11
glasses, window-glass, etc., processes for		Excavators.....	84d, 4
making.....	22g, 10	Governors for railway air-brakes.....	20f, 40
Covers (non-slip) for motor-vehicle tires.....	63e, 12	Mechanism for bucket conveyers.....	59d, 3
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		Regulating apparatus.....	59a, 9
		Pumping-engines, underground.....	59a, 7



	Classification.
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Acid.....	59a, 1
Air.....	27b, 10-16
For explosion and internal-combustion en- gines.....	46a, 12, 13, 15
For wheel-tires.....	63e, 18, 19
With jet apparatus.....	27d, 1
With sealing liquid.....	27c, 12
Barrel.....	64c, 1, 3, 4, 10
Beer.....	64c, 1, 3, 4, 10
Bicycle-tire.....	63e, 18, 19
Boiler-feed.....	59c, 11-15
Breast.....	30k, 2
Centrifugal.....	59b, 1-4
Chain.....	59d, 1, 3
Charging, methods of operation and forms of construction.....	46a, 12-16, 18
Regulation of gas and air.....	46b, 17
Of liquid fuel.....	46b, 18
Valve-gears for.....	46b, 1-6
Condenser.....	14g, 14
Deep well.....	59a, 1
Diaphragm.....	59a, 12
Exhaust-steam jet.....	59c, 15
Feed.....	59a, 1; 59c, 11-15
Flexible tube.....	59a, 12
Fluid column, (compressed air and water under pressure).....	59a, 6
For mixing and conveying air and gas.....	4c, 45
For viscous and impure materials.....	59a, 1
Fuel.....	46c, 13
Gas, hydraulic, for gas analysis.....	42l, 4
Hot water.....	59a, 1
Jet.....	59c, 11-16
Liquid manure.....	59a, 1; 59d, 1-3
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Mammoth, (mixed-air water-raisers).....	59c, 6
Medical and surgical.....	30k, 1, 2
Mercury.....	27b, 11
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With jet apparatus.....	27d, 1
Mixed air.....	27c, 12
Multicylinder, with rotary cylinders or rotary driving mechanism.....	59a, 8
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Driven by pressure media.....	59a, 3
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Generally.....	59a, 1
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Separate driving mechanism for.....	59a, 10
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Restarting steam-jet.....	59c, 14
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Screw.....	59e, 1
Shaft.....	59a, 1
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Piston.....	59a, 3
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Steam, pistonless.....	59c, 1-3
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Turbine.....	59b
Well.....	59a, 1
With reciprocating pistons.....	59a, 1-11, 13
With rotary or oscillating pistons.....	59e
With rotary or oscillating piston-vanes.....	59c, 3, 5
<b>Punches</b> .....	49b, 20
For and on letter-files, temporary binders, etc.....	11e, 8, 9
Hydraulically driven.....	49e, 14
<b>Punching apparatus for embroidering-machines</b> .....	52b, 6
Bags or balls.....	77a, 11
Devices, ticket.....	43a, 20, 21
Machines and tools, shoemakers'.....	71c, 60
Leather belt.....	28b, 22; 63a, 2
Lever-hole.....	49b, 18, 19
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	Classification.
<b>Punching machines, paper</b> .....	54d, 3
Machines, perforated strip.....	15a, 21
Roofing-slate.....	80d, 3
Sheet metal and tube.....	7c, 11
<b>Puncture-closing materials</b> .....	22i, 2
<b>Punts</b> .....	65a, 6
<b>Puppets in connection with talking-machines</b> .....	42g, 19
<b>Pure cultures of bacteria for medicinal pur- poses</b> .....	30h, 6
Of lactic acid and other bacteria for dairy purposes.....	53e, 6
Of yeast, producing.....	6a, 16
<b>Purifiers, clay</b> .....	80a, 4
Dry, for coal-gas.....	26d, 5
Feed-water.....	13b, 7
<b>Purifying metals</b> .....	40a, 17
Rubber.....	39b, 1
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<b>Purin and purin derivatives</b> .....	12p, 7
<b>Purl-knit materials</b> .....	25a, 11, 12
<b>Purses</b> .....	33b, 1
Bow fastenings for.....	33b, 4
Structures.....	33b, 3
<b>Pus-basins</b> .....	30a, 19
<b>Push bars for propelling cycle-sleds</b> .....	63k, 22
<b>Bars for propelling cycles and vehicles</b> .....	63k, 12
<b>Button switches</b> .....	21c, 30
<b>Carts</b> .....	63b, 39
<b>Keys, (steckschlüssel)</b> .....	68a, 8-12
Which after insertion serve as guides or stops for the tumblers, (steckschlüssel).....	68a, 13
<b>Pushers for driving motor-cars</b> .....	63c, 17
<b>Putty</b> .....	22i, 1
<b>Puzzle-locks</b> .....	33b, 12; 68a, 31
<b>Puzzles, (games)</b> .....	77c, 13
<b>Pycnometers</b> .....	42l, 13
<b>Pyrazins</b> .....	12p, 6
<b>Pyrazol derivatives</b> .....	12p, 8
<b>Pyrene</b> .....	22b, 5
<b>Pyridins</b> .....	12p, 1
<b>Pyrimidin derivatives</b> .....	12p, 7
<b>Pyrocatechin</b> .....	12g, 14
<b>Pyrography, apparatus for</b> .....	75a, 1
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<b>Pyrometers</b> .....	42i, 1-11
<b>Pyronin</b> .....	22b, 9
<b>Pyrotechnic compositions and bodies</b> .....	78d, 1
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<b>Pyrotechnics</b> .....	78d
<b>Pyroxylin</b> .....	39b, 5
<b>Pyrol</b> .....	12p, 2
<b>Quadricycles</b> .....	63h, 10
<b>Quartz glass and quartz materials, making and shaping</b> .....	32a, 35
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<b>Quenching apparatus, coke</b> .....	10a, 17
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<b>Quick acting brakes for railway-vehicles</b> .....	20f, 29
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Tanning processes.....	28a, 4
<b>Quills, treating or working</b> .....	39a, 4
<b>Quilts</b> .....	34f, 9
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<b>Quinolin</b> .....	12p, 1
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<b>Quinone, aminoantra</b> .....	12q, 37
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<b>Quoins, printers'</b> .....	15a, 6
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<b>Rabitz ceilings</b> .....	37a, 3
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	Classification.		Classification.
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Timing devices.....	43a, 32	Screws.....	19a, 10
Water-wheel.....	88a, 10	Devices for driving and drawing.....	19a, 28
<b>Racing games</b> .....	43b, 40; 77d, 15	Shifters.....	19a, 28
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<b>Rack-and-pinion jacks</b> .....	35d, 3	Making.....	7e, 19
Mechanism.....	47b, 23; 47h	Pulling and driving in, apparatus for.....	19a, 28
<b>Rack movements, noiseless, for clocks</b> .....	83a, 57	Straighteners.....	19a, 28
Railways.....	20a, 7	Tongs.....	19a, 28
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Turning devices for striking mechanism of clocks.....	83a, 56	Railings, side, for street-cars.....	20c, 34
<b>Racks and toothed wheels</b> .....	47b, 23	For graves.....	37d, 36
As machine elements.....	47b, 23	<b>Rails, bull-headed</b> .....	19a, 7, 20
Cigar.....	44b, 15	Compound.....	19a, 13, 20
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For potatoes, turnips, etc.....	45e, 29	Flat bottom.....	19a, 7, 20
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Gun.....	34i, 15	For toy railways.....	77f, 19
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<b>Rackets, tennis, etc.</b> .....	77a, 20	Grinding off rough surface.....	67a, 31
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<b>Radiators for central heating systems</b> .....	36c, 9	Impact.....	19a, 17
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<b>Radio-active remedies</b> .....	30b, 2	Brakes.....	20f
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<b>Radiometers</b> .....	42i, 18	Building.....	19a; d-f
<b>Radiotelegraphy</b> .....	21a, 66-71	Car axles.....	20d, 6-11
<b>Radiotherapy</b> .....	30f, 18	Axle-boxes.....	20d, 12-20
<b>Radium compounds</b> .....	12m, 9	Brakes.....	20f
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Preparations, radio-active.....	21g, 19	Doors.....	20c, 33-36
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<b>Rafters</b> .....	37b, 3	Flexible axles.....	20d, 6
<b>Rafts, life</b> .....	65a, 64	Furnishings with safety devices.....	20c, 40-47
<b>Rag cutters and tearers for fabric waste</b> .....	76b, 1	Without safety devices.....	34g
Cutters for paper-making.....	55a, 7	Journals.....	20d, 12-20
Dusters and washers.....	55a, 6	Movers.....	20h, 7
<b>Rail benders</b> .....	19a, 28	Platforms.....	20c, 38
<b>Bending machines</b> .....	49f, 8	Roofs.....	20c, 30
Portable.....	19a, 28	Seats, portable.....	33d, 6
Braces.....	19a, 12	With safety devices.....	20c, 41
Chairs.....	19a, 9, 10	Without safety devices.....	34g, 7
Making by rolling.....	7f, 10	Springs.....	20d, 21, 22
Cleaners for railways.....	20i, 9	Steps.....	20c, 37
For street-railways.....	19b, 2	Trucks.....	20d, 1-4
Clips.....	19a, 11	Underframes.....	20d, 1-5, 29-31
<b>Contact-making devices</b> .....	20k, 16; 20i, 41, 32	Wheels.....	20d, 23-28
Cutters.....	19a, 28	Windows.....	20c, 39
Drills, portable.....	19a, 28	<b>Cars</b> .....	20c, 1-39
Fasteners for railways.....	19a, 8-14	Appurtenances.....	20c, 48-52
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Guards.....	20d, 33	Cattle.....	20c, 11
Heads, laying to prevent injury to pavement.....	19c, 7	Convertible.....	20c, 8
Insulation for electric railways.....	20k, 8	Cooling.....	20c, 24
Joint bridge-plates.....	19a, 18	For transportation of corpses.....	20c, 7
<b>Joints</b> .....	19a, 15-19, 22-24	Of provisions, fruit, etc.....	20c, 10
Emergency.....	19a, 19	Freight.....	20c, 2, 3, 14
For electric railways.....	20k, 7, 8	Heating.....	20c, 21-23
For main and secondary railways.....	19a, 15-19	Lighting by electricity.....	20c, 28
For street-railways.....	19a, 22	By gas.....	20c, 27
Repairing, soldering, and welding.....	19a, 26	Mail.....	20c, 5
Scarf.....	19a, 16	Passenger.....	20c, 1
Lifters.....	19a, 28	Protecting in case of collision.....	20c, 17
Milling machines.....	19a, 31	Safety devices.....	20d, 32-35
Moisteners.....	20h, 10	Self-propelled.....	20b, 18
<b>Motor-cars</b> .....	20b, 18; 20l, 6, 7	Electric.....	20l, 6, 7
		Ventilating.....	20c, 25
		Washing apparatus for.....	20h, 8
		Couplings.....	20e, 1-22



	Classification.
<b>Railway draft and buffer mechanism</b> . . . . .	20e, 23-25
Fares, hinged boards in cars for paying . . . . .	20c, 50
Freight-cars . . . . .	20c, 2, 3, 14
Gates . . . . .	20i, 18-23
Lights for . . . . .	20i, 14
Headlights . . . . .	20i, 24
Indicators . . . . .	20i, 47; 20b, 1
Locomotives . . . . .	20b
Mail-cars . . . . .	20c, 5
Operation . . . . .	20a-1
Auxiliary apparatus for . . . . .	20h
Protective and safety devices . . . . .	20d, 32-35
Traffic safety devices . . . . .	20i
Passenger-cars . . . . .	20c, 1
Foot-bridges . . . . .	19d, 5
Platforms without special arrangements relat- ing to operation . . . . .	19e, 5
Rails, (see also Rails) . . . . .	19a, 7
Hardening . . . . .	18c, 2
Requisites, making by forging and pressing . . . . .	49g, 8
Road-beds . . . . .	19e, 5
Rolling-stock . . . . .	20c, 1-12, 17-20
Signals . . . . .	20i, 3, 14, 24, 28, 29, 37-40, 43, 44
Snow-plows . . . . .	20h, 9
Station halls . . . . .	37a, 6
Indicators . . . . .	20i, 25-27
Stations . . . . .	20a, 1
Switch mechanism . . . . .	20i, 1-14
Switches . . . . .	20i, 4-9
Tank-cars . . . . .	20c, 9
Tenders . . . . .	20b, 13
Ties . . . . .	19a, 2-6
Time-tables at stations . . . . .	54g, 11
Track-section circuit-closers . . . . .	20i, 31
Tracks . . . . .	19a, 7-19
Train protection . . . . .	20i, 30-45
Trains, moving, apparatus for boarding . . . . .	20g, 6
Velocipedes . . . . .	20c, 20
Railways, atmospheric . . . . .	20a, 2
Balloon . . . . .	20a, 4
Cable . . . . .	20a, 12-14
Compensators . . . . .	19a, 23
Permanent way . . . . .	19a, 23
Cable, street . . . . .	20a, 13
Cross-country, (single rail) . . . . .	20a, 10
Electric, catenary suspension of trolley-wires . . . . .	20k, 9
Construction . . . . .	20k
Equipment . . . . .	20l
Street . . . . .	20k, 1
Elevated . . . . .	20a, 8, 9
Electric . . . . .	20k, 1
Equipment . . . . .	20l, 30
Field, tracks for . . . . .	19a, 24
Forest, tracks for . . . . .	19a, 24
Hauling or hoisting . . . . .	20a, 14
Inclined . . . . .	20a, 16
Marine . . . . .	84b, 2
Permanent way . . . . .	19a
Pleasure . . . . .	77e, 16
Pneumatic . . . . .	20a, 3
Rack . . . . .	20a, 7
Electric . . . . .	20k, 1
Equipment . . . . .	20l, 30
Permanent way . . . . .	19a, 23
Readily removable . . . . .	19a, 24
Self-propelled, (carrying internal-combustion engine or the like) . . . . .	20b, 7; 20l, 7
Single rail . . . . .	20a, 10; 20k, 1
Electric . . . . .	20k, 1
Equipment . . . . .	20l, 30
Slide . . . . .	20a, 5
Street . . . . .	20a; 20i, 15, 16, 17
Suspended . . . . .	20a, 11, 12
Electric . . . . .	20k, 1
Equipment . . . . .	20l, 30
Permanent way . . . . .	19a, 23
Underground . . . . .	20a, 15
Electric . . . . .	20k, 1
Equipment . . . . .	20l, 30

	Classification.
<b>Railways, unusual forms of</b> . . . . .	20a, 17
Tracks for . . . . .	19a, 23
Rain gages . . . . .	42i, 20
Producing cannons . . . . .	45f, 10
Proof fabrics . . . . .	8k, 3
Protectors fastened to chairs . . . . .	34g, 7
Spouts . . . . .	37c, 10
Raisers, compressed air, for acids . . . . .	59c, 7
Water . . . . .	59c, 3-6, 8, 10; 59d, 3
Compressed air . . . . .	59c, 4, 5, 6, 8, 9
Raising mechanism, fluid . . . . .	59a-e
Persons on theater-stages, apparatus for . . . . .	77g, 3
Sunken vessels . . . . .	65b, 3
Rakes . . . . .	45c, 1
Harvesting . . . . .	45c, 1
Horse . . . . .	45c, 35
Making . . . . .	7c, 41; 7f, 4
Rammers for foundation-building, etc. . . . .	37e, 13
For metal casting . . . . .	31b, 5
Gun . . . . .	72e, 1
Hand . . . . .	37e, 13
Pneumatic, for foundries . . . . .	31c, 7
Ramming-machines for concrete, etc. . . . .	84c, 4
Ramrods for firearms . . . . .	72a, 33
Rams, hydraulic . . . . .	59f, 17
Paving . . . . .	19c, 9
Rands, fastening to shoes, machines for . . . . .	71c, 36
Range-finders . . . . .	42c, 14-23
Ranges or stoves . . . . .	36a-c
Camp . . . . .	36a, 22
Charging apparatus . . . . .	24h, 3
Electric heating and cooking . . . . .	21h, 3
Firing arrangements . . . . .	24a, 12
Fittings for . . . . .	34l, 21
Gas . . . . .	36b, 5, 6
Generally . . . . .	36a, 16-21
Parts of . . . . .	36a, 23
Plates for . . . . .	36a, 23
With appliances for heating and cooking . . . . .	36a, 17
With means for heating water . . . . .	36a, 18
Ranges, shooting . . . . .	72e, 1
Ranging-staffs . . . . .	42c, 10
Rapid-transportation roads for mail . . . . .	81e, 45
Rasp-machines . . . . .	38b, 4
Rasps, grinding by chemical means . . . . .	49d, 2
Making . . . . .	49d, 2
Wood . . . . .	38e, 5
Rat-traps . . . . .	45k, 6-9
Ratchet drill supports . . . . .	49a, 40
Drills . . . . .	49a, 35
Mechanism as machine elements . . . . .	47h, 4, 5
For calculating-machines . . . . .	42m, 14
For clocks and watches . . . . .	83a, 11
For presses . . . . .	58b, 3
For pulley-blocks, winches, etc. . . . .	35c, 3
Generally . . . . .	47h, 5
Wrenches, including safety-wrenches . . . . .	87a, 12
Raveling knit goods, machines for . . . . .	25a, 30
Raw peat, apparatus for reducing . . . . .	10c, 5
Rubber or caoutchouc, treating . . . . .	39a, 8
Tobacco, treating, chemical features . . . . .	79c, 1
Mechanical features . . . . .	79a, 2
Razor cleaners . . . . .	33c, 9
Sharpeners and strops . . . . .	67c, 5
Razors . . . . .	69, 20, 21
Safety . . . . .	69, 21
Reaction propellers . . . . .	65f, 12-14; 77h, 12
Turbines, steam . . . . .	14c, 5
Water . . . . .	88a, 5
Wheels, steam . . . . .	14c, 2
Water . . . . .	88a, 2
Reading-in apparatus . . . . .	86h, 3
Reading desks . . . . .	34i, 8
Stands . . . . .	34i, 17
Reamers . . . . .	49b, 28
Reaping, (see also Harvesting) . . . . .	45c
Receivers, steam-engine . . . . .	14a, 5; 14g, 4
Receiving systems for wireless telegraphy and telephony . . . . .	21a, 68

	Classification.		Classification.
<b>Receptacle cleaners</b> .....	6f, 1; 34c, 10; 64b, 1-6	<b>Reflecting cameras</b> .....	57a, 9
Closure fasteners or seals.....	64a, 73-81	Circles.....	42c, 37
Closures.....	14f, 1; 47f, 21; 53b, 2-4; 64a, 19-72	Sights.....	72f, 3
Containers for kitchen-sinks.....	34l, 21	<b>Reflectometers</b> .....	42h, 32
Furnaces for crucibles, etc.....	40a, 9	<b>Reflectors</b> .....	4b, 4-11
Lids.....	34l, 13	Daylight.....	4b, 10
<b>Receptacles as machine elements</b> .....	47f, 18	Fastening.....	4b, 12-14
Cooking.....	34l, 1-9	For electric-arc lamps.....	21f, 21
For acids.....	12f, 3	Incandescent lamps.....	21f, 53-55
For advertising purposes.....	54g, 13, 16, 17	Hollow glass.....	4b, 5
For chamber-closets, (commodes).....	34k, 10	On sighting devices.....	72f, 6
For galvanic cells.....	21b, 1	Telescope.....	42h, 10
For merchandise.....	34l, 34	<b>Refraction, diagnosis</b> .....	30a, 3
Liquor-handling.....	64a, 1, 3-7	<b>Refractometers</b> .....	42h, 34
Moth-proof.....	34l, 30	<b>Refractors for intensifying light</b> .....	4b, 15, 16
Pharmaceutical.....	30g, 1-6	Telescope.....	42h, 10
Preserving.....	53b, 1	<b>Refractory clay</b> .....	80b, 8
<b>Reciprocating bolt fastenings for windows</b> .....	68b, 10	<b>Refrigerating apparatus, generally</b> .....	17a; 17b, 1-3, 5
Dasher churns.....	45g, 22	Machines.....	17a
<b>Recoil guns</b> .....	72c, 8, 9	Absorption.....	17a, 14
Loaders for small-arms.....	72h, 2, 3	Ammonia.....	17a, 3
Preventers for small-arms.....	72a, 28	Carbonic acid.....	17a, 4
<b>Record bands for talking-machines</b> .....	42g, 16	Compression-absorption.....	17a, 13
Holders for talking-machines.....	42g, 16	Vacuum.....	17a, 21
<b>Recording apparatus for talking-machines</b> .....	42g, 2-4	Media.....	17a, 19; 17c, 3
Apparatus for traction-controllers.....	20l, 22	Pipes.....	17a, 17c
Time.....	43a, 25-36	<b>Refrigerator cars</b> .....	17c, 5; 20c, 10
Miscellaneous.....	43a, 32-36	Wagons.....	17c, 5
Watchmen's.....	43a, 30, 31	<b>Refrigerators</b> .....	17c
Workmen's.....	43a, 25-29	<b>Refuse, animal, utilizing for fertilizers</b> .....	16, 6-8
<b>Music played on keyboard instruments</b> .....	51e, 4, 5	As fertilizer.....	16, 6-8, 13
<b>Records, talking-machine</b> .....	42g, 16	As fuel.....	10b, 16
Reproducing.....	42g, 18	Chutes in buildings.....	37f, 6
<b>Rectifiers, electric, oscillatory</b> .....	21g, 13	Disinfecting.....	30i, 7
High voltage.....	21g, 11, 18	Disposal.....	81d
Mercury-vapor.....	21g, 12	From ores and fuels, dressing.....	1a, 31
Metal-vapor.....	21g, 12	Incineration.....	24d
<b>Rectifying spirits</b> .....	6b, 24-28	Nitrogenous, (organic,) as fertilizer.....	16, 6-8
<b>Recuperators for gas-furnaces</b> .....	24c, 5	<b>Receptacles, including cleaning</b> .....	81d, 3, 4
<b>Recutters or trimmers, brick</b> .....	80a, 40	Removing in buildings.....	37f, 6
<b>Red lead</b> .....	22f, 3	Generally.....	81d, 5; 85e, 1-5
For electric insulation.....	21c, 2, 7	Separating solid and fluid.....	85e, 4
<b>Reducers, pressure</b> .....	47g, 30-33	Transporting in ships.....	65a, 6
<b>Reducing iron ores, processes</b> .....	18a, 1, 3-10	Wagons for removing.....	81d, 1, 2, 4
Ores other than iron, processes.....	40a, 11, 12	<b>Regenerative furnaces</b> .....	24c, 6, 7
Organic compounds.....	12o, 27	<b>Regenerators for gas-furnaces</b> .....	24c, 5
<b>Reed ceilings, etc., plastering</b> .....	37d, 39	<b>Registering apparatus, fare</b> .....	43a, 23
Cutters, (harvesting).....	45c, 27	Apparatus for barbers' chairs.....	43a, 42
Ejectors for looms.....	86c, 29	For breweries for excise purposes.....	42l, 12
<b>Organs</b> .....	51a, 4, 5	For lottery-tickets, games, ballots, votes, etc.....	43a, 37-40
Combined with pianos.....	51b, 39	For mine-cars.....	43a, 42
<b>Roofs</b> .....	37c, 7	For spirits for excise purposes.....	42l, 11
<b>Reeds, expansion</b> .....	86a, 2	For sugar-factories for excise purposes.....	42l, 12
For organs.....	51a, 10	For telephone-stations.....	21a, 47-49
For weaving.....	86g, 1	For tipping cars and wagons.....	43a, 42
<b>Machines for binding together</b> .....	86g, 1	For vehicles.....	42p, 12, 13
For passing warp through.....	86h, 7	Ticket.....	43a, 20, 21
<b>Reefing apparatus</b> .....	65a, 15	Travel.....	42p, 12
<b>Reels, barb-wire</b> .....	7b, 5	Compasses.....	42c, 34
Clothes-line.....	8d, 13	Devices, boiler-scale.....	42c, 43
Drying, for ribbons, etc.....	8f, 8	For dispensing apparatus.....	64c, 11
Fishing.....	45h, 23	For fluid-meters.....	42e, 5, 20
For electric cables.....	21c, 8	For traction-controllers.....	20l, 22
For packing and shipping purposes.....	81c, 27	Generally.....	42d, 1, 3
For winding up band-iron, wire, etc., in course of manufacture.....	7b, 5	Train-ticket.....	43a, 20
<b>Hose, for fire-extinguishing</b> .....	61a, 15	<b>Instruments for diagnostic purposes</b> .....	30a, 4
<b>Paper</b> .....	55e, 7	Machines for automatic despatch of mail.....	43a, 24
Ribbon.....	8f, 3	For statistical data.....	43a, 41
<b>Silk</b> .....	76c, 28; 76d, 13	Mechanism for weighing apparatus.....	42f, 32, 33
<b>Wire, for making coiled and spiral wire, etc.</b> .....	7d, 2	Stamps with adding and printing mechanism.....	43a, 14
<b>Yarn</b> .....	76d, 13, 14	<b>Registers, drink, (beer-glass counters)</b> .....	64a, 82-85
<b>Refining, blast</b> .....	18b, 16	Wire-cloth, for paper-making machines.....	55d, 8
Engines for paper-making.....	55c, 9	<b>Regulating apparatus for central heating systems</b> .....	36c, 11
Iron and steel by heating to incandescence.....	18c, 8	Apparatus for centrifugal machines.....	82b, 13-15
<b>Metals by electrolysis, (exclusive of iron)</b> .....	40c	For centrifugal pumps.....	59b, 4
Oils.....	23a, 3; 23b, 1		
<b>Pig-iron</b> .....	18b, 1		
General processes.....	18b, 8		
<b>Sugar</b> .....	89d, 5-8		



	Classification.
<b>Regulating apparatus for dynamos</b> .....	21c, 54-56
Apparatus for electric clocks .....	83b, 5
For electric heating and cooking apparatus	21h, 4
For electric motors .....	21c, 49-53
For electric railway cars .....	20l, 4-7, 23
Trains .....	20l, 24, 25
For explosion and internal-combustion engines .....	46b, 7-19
For formation of liquid-fuel mixtures .....	46c, 13
For furnaces, generally .....	24i, 1-3
For heating-stoves .....	36a, 5
For liquid-fuel furnaces .....	24b, 8
For liquids filtered or to be filtered .....	12d, 4
For receiver and condenser pressure in steam-engines .....	14g, 4
For steam-engines .....	14g, 3
For transformers .....	21c, 54-56
For valve-gears .....	14e, 8
Implements, watchmakers' .....	83c, 8
Transformers for arc-lamps .....	21f, 11
For incandescent lamps .....	21f, 63
<b>Regulation of alternating-current-distributing mains</b> .....	21d, 46
Of alternating-current-repulsion motors .....	21d, 45
Of continuous-current motors .....	21d, 11-15
Of gas inflow and outflow for gas-holders .....	4c, 36
Of hydraulic machines .....	88b, 1, 2
Of pneumatic machines and tools .....	5b, 1, 4; 49e, 2; 87b, 2
Of speed in induction-motors .....	21d, 43
Of steam-hammers .....	49e, 1
<b>Regulators, admission, for water-supply systems</b> .....	85d, 4
Balance-spring, for clocks and watches .....	82a, 23
Bell gas-pressure .....	4c, 28-31
Boiler-feed .....	13b, 13-17
Circulation, for gas-pipes .....	26a, 17
For pressure-gas plants .....	4c, 40
Diaphragm, draft .....	24i, 2
Gas-pressure .....	4c, 27
Draft .....	24i, 1-3
Steam-pressure .....	24i, 2
Electric current .....	21c, 46-56
Float gas-pressure .....	4c, 32
Fluid-pressure, for explosion and internal-combustion engines .....	46c, 1
For air and steam supply for gas-producers .....	24e, 10
For fluid-meters .....	42e, 2, 3, 4, 21
For gas-producers for supply of air and steam .....	24f, 10, 13
For water-turbines .....	88a, 6
Gas consumption .....	4c, 23-26
Gas-pressure .....	4c, 27-32
For explosion and internal-combustion engines .....	46c, 1
<b>Heat, automatic, for heating and ventilating systems in buildings</b> .....	36f
Generally .....	42i, 13-15
Mixture, for pressure-gas .....	4c, 45
Moisture .....	36d, 1
Outflow, for chemical purposes .....	12f, 4
Potential, for dynamos .....	21c, 54
Pressure, for air-compressors .....	27b, 9
For dispensing apparatus .....	64c, 13
For explosion and internal-combustion engines .....	46c, 1
For pneumatic cleaners .....	8e, 3
Of general application .....	47g, 30-33
Resistance, electric .....	21c, 46, 47
Shock, in gas-pipes .....	4c, 20
Slip .....	21c, 50; 21d, 26, 43, 47
Temperature, automatic, for heating and ventilating systems in buildings .....	36f
Generally .....	42i, 13-15
Tension, for looms .....	86c, 18, 19
For supply-spools, (spinning) .....	76c, 19
Water-level, for water-supply systems .....	85d, 2
Regulus, copper, fusing .....	40a, 27-29
Rein holders .....	56a, 13
Holder on vehicles .....	63b, 42
Locks .....	56a, 13

	Classification.
<b>Reins, arrangements of</b> .....	56a, 12
Bridles, etc. ....	56a, 11-19
Reinforced-concrete ceilings .....	37a, 2
Construction .....	37a; b
Encircling .....	37b, 3, 4
For foundations .....	84c
For shaft-linings .....	5c, 4
Mine-stanchions .....	5c, 4
Reinforcing elements for .....	37b, 4
Roofs .....	37a, 6
Sleepers or ties .....	19a, 6
Supporting elements, (columns, posts, girders, etc.) .....	37b, 3
Trusswork .....	37a, 5
Walls .....	37a, 5
Relay-starters for electric motors .....	21c, 50
Relays, electric, generally .....	21g, 4
Telegraph .....	21a, 20
Electromagnetic devices for .....	21a, 21
Telephone .....	21a, 45
Time-lag .....	21c, 40, 57, 58
Releasing animals .....	45h, 3
Devices, cable, for elevators .....	35a, 23
For vehicle-poles .....	63b, 20
For vehicles .....	63b, 23, 24
Mechanism in coin-controlled apparatus .....	43b, 5-10
Relief clichés .....	15k, 10
Effects, producing and imitating .....	75d, 14, 15
Forms, machines and apparatus for producing .....	75b, 15-19
Producing by molding .....	75b, 16, 17
Low, photographic .....	57b, 20
Maps .....	42n, 9
Rendering fats, apparatus for .....	23a, 1
Rennet, including preparation .....	53k, 1
Ripening agents .....	45g, 24
Renovating fabrics .....	8e, 2
Renting apparatus, automatic .....	43b, 34-53
Repeating alarm-clocks .....	83a, 70
Rifles .....	72a, 1-8
Reply-telephones .....	21a, 30
Report-producing firearms, (toy) .....	72b, 5
Reproducing cameras .....	57a, 5
Mechanism for phonographs .....	42g, 2-4
Lithographic forms and rolls .....	15d, 33
Records of talking-machines .....	42g, 18
Repulsion-motors .....	21d, 45
Rerailing cars, apparatus for .....	20h, 6
Rolling paper webs, machines for .....	55e, 7
Reservoir-pens .....	70b, 2
Resin colors .....	22g, 2
Oils .....	23b, 1
Size .....	23e, 3
Soaps .....	23e, 3
Resinite .....	39b, 8
Resistance heating in electric furnaces .....	21h, 6, 7
Materials, electric .....	21c, 1
Meters, electric .....	21e, 9
Of ships, apparatus for measuring .....	65a, 37
Regulators, electric .....	21c, 46, 47
For engines and motors, (governors) .....	60, 8
Resistances, electric .....	21c, 1, 46-48
For electric measuring .....	21e, 26
Heating, for electric stoves .....	21h, 2
Spare, for incandescent lamps .....	21f, 64, 65
Resonance apparatus for determining speed by oscillating tongues in connection with magnets .....	42o, 13
Resonators .....	42g, 1
For harmonicas .....	51c, 27
For pianos .....	51b, 7
For stringed instruments .....	51c, 4
Respirators .....	30d, 20
For hair-cutters .....	33c, 9
Restarting steam-jet pumps .....	59c, 14
Rests, foot, for cycles .....	63g, 14
Tool .....	49a, 18
Restraining devices for draft and riding animals .....	56a, 23
For taming animals .....	45h, 9

	Classification.		Classification.
<b>Resuscitating</b> by artificial breathing	30f, 5	<b>Ring kilns</b>	80c, 1, 2
By chemical means	30h, 3	Spinning frame	76c, 5, 6
By inhalation	30k, 13	Throwing games	77d, 10
Resuscitating apparatus for fire-fighters	61a, 20	Twisting frames	76c, 5, 6
Retaining-walls	19e, 2; 84a, 2	Valves	47g, 10, 11
Retort-furnace firing	24c, 8	Rings, ear	44a, 34
Retorts for zinc-extracting	40a, 40	Finger	44a, 35, 38
Gas	26a, 6-8, 13-16	Measuring devices for	42b, 12
Burning out graphite	26a, 6	Foot, for animals	45h, 9
Charging	26e	Grooming	45h, 8
Exhausting gas from	26a, 17	Key	44a, 36
Making	80a, 32	Life-saving	65a, 66-70
Generally, for chemical purposes	12a; 12r	Making by rolling	7f, 1
Oil-gas	26a, 13	Of metal	49g, 6, 8; 49i, 9
Retouching, photographic, apparatus for	57c, 13	Of sheet metal or tubing	7c, 32
Processes	57b, 17	Napkin	34f, 19
Retting apparatus for textile fibers, flax, etc	29a, 4	Nitrogen	12p, 1-10
Processes, bacteriological	29b, 2	Packing as dust-guards for journal-boxes	20d, 17
Retuning stringed instruments	51c, 22	For bearings	47b, 4
Return-signals for electric bells	74a, 1	Slip, for taking off electric current	21d, 20
Reverberatory furnaces, firing	24a, 14	Watch-chain	44a, 36
For metal-casting	31a, 2	Rinks, skating	77b, 20
For treatment of pig-iron	18b, 14, 15	Rinsing apparatus, clothes	8d, 2
Gas-firing	24c, 9	Apparatus, mouth	30b, 19
Metallurgical	40a, 3-10, 37-40	Machines, barrel	6f, 1
Reversing and starting switches for electric motors	21c, 49	Beer-glass	64b, 5, 6
Devices for gearing	47h, 19	Bottle	64b, 1-3
Explosion and internal-combustion engines	46b, 6	Clothes	8d, 2
Gear for locomotives	20b, 12	Dish	34c, 10
For motor-cars	63c, 6	Rip-strips on preserving-cans	64a, 62
For propulsion of ships	65f, 28	Ripping seams, means for	3d, 7
For turbine-drive	14c, 12	On sewing-machines	52a, 51
Generally	47h, 12-19	River navigation	65a, 52-55
Hydraulic	47h, 18	Rivet-head cups	49e, 12
Marine engines	65f, 28	Riveting-machines, electric	49e, 13
Poles	21d, 11-13	For resonators of harmonicas	51c, 27
Position of cars and locomotives, apparatus	20g, 5	Hydraulic	49e, 10
Steam engines	14d, 20-23	Mechanical	49e, 12
Turbines	14c, 7	Pneumatic	49e, 11
Switches	21c, 38, 49-53	Rivets	47a, 5
For electric incandescent lamps	21f, 46	Making	49g, 4
Valves, gears for	14f, 10	Road beds	19a, 1
Revetment-walls	19e, 2; 84a, 2	Levelers	45a, 30
Revolution-counters	42p, 1-4, 10	Rollers	19c, 8
With registering-clockwork built in	42o, 3	Vehicles	63a
Revolver-holsters	72a, 33	Transportation on rails	20g, 5
Revolvers	72a, 10, 11	Roads for horse-drawn vehicles	19a, 25; 20a, 10
Toy	72b, 4, 5	Paving	19c, 1-7
Revolving grooved-tile presses	80a, 21	Roasting apparatus	34i, 10
Rheid disks for sowing-machines	45b, 16	Coffee, apparatus	82a, 26-28
Rheometers	42e, 25	Processes	53d, 1
Rheostats	21c, 46-48	Furnaces, ore	40a, 3-6
Ribbed radiators for central heating systems	36c, 9	Ores	40a, 2-6
Tubing, making	7b, 16	Ovens, electric	21h, 3
Ribbon looms	86c, 10	Rock-candy cutting machines	89g, 1
Measuring devices	8f, 1, 2, 4; 42b, 5	Making	89d, 3
Shuttles	86g, 8	Rock drilling machines	5b, 1-8, 13-15
Weaving	86c, 10	Drilling machines, pneumatic	5b, 4, 6
Winding machines	8f, 3	Machines for securing, loosening, and removing	19e, 1
Ribbons, inked, for type-writers	15g, 37	Rocket apparatus	65a, 72
Making	25c, 5; 86c, 10	Projectiles	72d, 19
Passing through lace	25c, 9	Rockets	74d, 8; 78d, 1
Ribs for piano sounding-boards	51b, 9	Rocking chairs	34g, 2
Ricks, hay, straw, etc	45e, 29	Horses	77e, 13, 14
Riddles for sifting sand for mortar	19e, 11	Swings	77e, 12
Rider-valves for steam-engines	14d, 5	Rocks, blasting	84a, 1
Rifle-ranges	72e, 1	Rod connections for machine elements	47a, 3
Rifles	72a	Holders, carpet	34f, 25
Rifling gun-barrels, etc., machines for	49a, 32	Supports	47a, 3, 19
Shells, apparatus for	49a, 32	Turning machines for molding-planers	38b, 2
Rigging, brake	20f, 2, 3; 63b, 62, 63; 63i	Rods and levers for steam-engines	14d, 23
Ships	65a, 15	Brake	20f, 2, 3; 63b, 62, 63; 63i
Rigidity-testers	42k, 25	Connecting	47b, 18
Rims for cycles	63d, 17	Curtain	34e, 1
For vehicle-wheels	63d, 3	Bearings and holders for	34e, 2, 3
Ring fastenings for packages, etc., which must be destroyed to be undone	81c, 16	Extensible, for holding doors, windows, etc., in adjusted positions	68d, 27
Fastenings for padlocks	68a, 105	For holding doors, windows, etc., in adjusted positions	68d, 25-27
Furnaces for heating rods and similar blanks	49f, 6		



	Classification.		Classification.
<b>Rods, metal, bending and coiling</b> .....	49f, 8	<b>Rolling mills, universal</b> .....	7a, 7
Range.....	42c, 10	Mills, wheel.....	7f, 1
Stair-carpet.....	34f, 25	Wheel-tire.....	7f, 1
<b>Roll adjusting devices for rolling-mills</b> .....	7a, 16	Wire.....	7a, 10
Bridges.....	19d, 5	Pins.....	2b, 14
Cameras.....	57a, 22-24	Stock, railway.....	20c, 1-39
Films, photographic.....	57b, 2	<b>Rolls as machine elements</b> .....	47b, 1
Paper cutters and dispensers.....	70e, 18	Crushing.....	50c, 9; 80a, 3
Rods.....	55e, 7	Disintegrating.....	50c, 8
Shutters, photographic.....	57a, 27, 28	For roller-mills.....	50b, 7
Stamps, hand.....	15h, 1	Glazing.....	8b, 19; 55e, 1; 57c, 12
<b>Roller bearings for cycles</b> .....	63d, 24	In power-presses, mechanism for guiding in and out.....	15e, 15
Bearings for railway-car wheels.....	20d, 15	Inking, cleaning and storing.....	15e, 16
For street-car wheels.....	63d, 15	For printing-presses.....	15e, 14
Generally.....	47b, 12	Lithographic, producing, reproducing, or copying.....	15d, 33
Chairs, children's.....	34h, 1	Paper, for memoranda.....	70d, 11
Conveyers.....	81e, 30	Paper-calendering.....	55e, 1
Counting mechanism.....	42p, 1	Printing, compositions for.....	15l, 8
Curtain guides.....	34e, 11	Winding, for fabrics.....	8f, 3, 4
Curtains as window and door equipment.....	34e, 19	Roman cement.....	80b, 3
Band-holders and band-rollers for.....	34e, 9	Röntgen-ray apparatus, coin-controlled.....	43b, 48
Braking, adjusting and locking devices.....	34e, 7, 8	For diagnostic purposes.....	30a, 6
Fastening to curtain-rods.....	34e, 13	Generally.....	21g, 15-18
Tensioning devices.....	34e, 9	Photographic.....	57b, 12
Drawing frames for wool, etc.....	76b, 27, 29	With special arrangements for curative purposes.....	30f, 18
Grates for fuel and ore dressing.....	1a, 16	Roof gutters.....	37c, 10
Mills.....	50b, 4-7; 50c, 7; 80a, 3	Tiles.....	37c, 1
For crushing clay.....	80a, 3	Grooved.....	37c, 1
Molding machines.....	31b, 4	Trusses.....	37b, 3
Presses for linoleum manufacture.....	8h, 3	Roofers' implements.....	37c, 11
For woven fabrics.....	8b, 19	Roofing felts, chemical features.....	8l, 3
Generally.....	58b, 5	Felts, mechanical features.....	8a, 28
Screens.....	34f, 5	Metal.....	37c, 5
Seats for boats.....	65c, 4	Slate.....	37c, 4
Shades, band-holders and band-rollers for.....	34e, 9	Apparatus and machines for cutting.....	80d, 3
Brake apparatus, fastening and locking devices.....	34e, 7, 8	Tiles, flat.....	37c, 1
Ships.....	65a, 2	Roofs.....	37a, 6
Skates.....	77b, 17-19	Conical.....	37a, 1, 3
Skating courses and rinks.....	77b, 20	Continuous surface of bituminous compositions.....	37c, 6
Stilts.....	77b, 17-19	Glass.....	37c, 8
Washing-machines.....	8d, 4	Hollow tile.....	37a, 1, 2, 3
<b>Rollers, agricultural</b> .....	45a, 32	Ribbed or corrugated.....	37a, 2
Candy.....	53l, 1, 9	Wood-cement, (mixture of coal-tar, asphalt, and sulfur).....	37c, 6
Chilled, making.....	31c, 16	Room equipment.....	34f, 1-10
For clothes-wringers.....	8a, 35	Sweeping machines.....	34c, 5
For disintegrating sugar-cane.....	50c, 8	Root crop digging machines.....	45c, 6-17
For embossing and ornamenting paper and paper-board.....	54d, 1	Crop lifting and topping implements.....	45c, 5, 18, 19
For expressing sugar-cane and sugar-beets.....	89c, 8	Washers.....	45e, 22; 89a, 1
For sizing-machines.....	8a, 35	Feeders for trees and other plants.....	45f, 22
Leather.....	28b, 12	Root type of blowers.....	27c, 1, 2
Magnetic, for separation of materials.....	1b, 4	Rope belts, making.....	73, 3
Making by casting.....	31c, 16, 24, 25	Clamps.....	28a, 18-20; 47d, 12
Of sheet-metal or tubing.....	7c, 32	Connectors.....	47d, 11
Of compound castings, making.....	31c, 17	Covering machines.....	73, 6
On hay and straw presses.....	45e, 29	Drums.....	47b, 26
Pressure and slide.....	47b, 27	Fastenings for cages of mine-hoists.....	35a, 9
Smoothing.....	8b, 19; 55e, 1; 57c, 12	Gearing, generally.....	47h, 10
Street and road.....	19c, 8	For motor-cars.....	63c, 10
Used in dyeing.....	8a	Hoists for electric incandescent lamps.....	21f, 59
<b>Rolling apparatus for conveying heavy objects</b> .....	81e, 29	For lamps, generally.....	4a, 31
Mechanism for dolls.....	77f, 10	Holders, knots, sleeves, etc., as machine elements.....	47d, 12
Mills.....	7a	Ladders.....	61a, 5
Band-iron.....	7a, 10	Lubricators.....	47e, 35
Block-lifting apparatus for.....	7a, 17	Making.....	73
Fine iron.....	7a, 10	Auxiliary apparatus for.....	73, 8
For special articles (horsehoes, balls, fish-plates, etc.).....	7f	Machines.....	73, 1-4
Metal, details.....	7a, 15	Pulleys.....	47b, 26
Multiple.....	7a, 7	Releasing devices for hoists.....	35a, 23
"Pilgerschritt" (intermittent rolling).....	7a, 6, 14	Sheaves.....	47b, 26
Rail.....	7a, 3	Shifters.....	47d, 20
Reversing.....	7a, 2, 3	Trimming machines.....	73, 7
Roll heating and cooling.....	7a, 17	Ropes, braided.....	25b, 10
Sheet metal.....	7a, 9	Driving.....	47d, 10
Opening and separating the packages.....	7a, 9	Stretching devices for joining ends.....	47d, 17
Three-high.....	7a, 2, 3		
Tube.....	7a, 12, 14		
Two-high.....	7a, 2, 3		

	Classification.		Classification.
<b>Ropes, driving, tensioning devices</b> .....	47h, 9	<b>Rule apparatus for type-casting</b> .....	15a, 28
Fastening in ships.....	65a, 16	<b>Rulers</b> .....	70e, 8
For fire-escaping purposes.....	61a, 6	Hatching.....	42a, 19
Impregnating and sizing.....	8a, 28	Tailors'.....	3d, 1
Measuring apparatus for.....	42b, 5	<b>Rules</b> .....	42b, 1-3
Polishing and trimming, machines for.....	73, 7	Folding.....	42b, 1
Skipping.....	77a, 3	For type-setting.....	15a, 3
Straw, making.....	73, 4	Printing divisions on.....	15d, 21
Untwisting, machines for.....	73, 8	Slide.....	42b, 2
Wire, making.....	73, 1	<b>Ruling brushes</b> .....	9, 13
Rosaries.....	44a, 43	Devices.....	70e, 11
Rosework (guilloche-work) machines.....	75a, 11	Machines.....	15f
Rosettes and rosette-holders for curtain-rods.....	34e, 14	<b>Rumbles</b> .....	67a, 23
Ceiling.....	21c, 25	<b>Runaway horses, stopping</b> .....	63b, 26
Rosin-holders for violins.....	51e, 13	Preventers.....	56a, 15-17
Rosindulins.....	22c, 2	<b>Runners for skates</b> .....	77b, 9, 10
Rossing-machines, bark.....	38i, 1	<b>Running-shoes</b> .....	77a, 12
Rotary chimney-cowls.....	36d, 10	<b>Runways for inlet-shafts and catch-basins</b> .....	85e, 11
Cranes.....	35b, 4-6	<b>Rust, protecting from, by coatings</b> .....	48b; 48c; 48d, 4
Doors.....	37d, 19	Protecting from, by paints.....	22g, 7
Field indicators.....	74c, 7	Removing, compositions for.....	48b, 1; 48c, 1
Meters.....	21e, 15	<b>Saber-holders for cycles</b> .....	63g, 8
Grate gas-producers.....	24e, 11	<b>Sabers</b> .....	69, 27
Grates.....	24f, 13, 14	Fastening to saddle.....	33d, 8
Handles for windows.....	68b, 16	<b>Saccharification of starchy substances for distilling purposes, etc</b> .....	6b, 3
Jigs for ore and fuel dressing.....	1a, 5	<b>Saccharimeters</b> .....	42l, 3
Joints as machine elements.....	47b, 13	Fermentation.....	42l, 3
Metal-shears.....	49b, 13	Optical.....	42h, 21
Presses.....	15d, 18-32	<b>Saccharin</b> .....	12o, 18
For multicolor printing.....	15d, 20	<b>Sachet-bags</b> .....	33c, 12
Printing for "latest news".....	15a, 11	<b>Sack barrows and trucks</b> .....	63b, 38, 39
Pumps.....	59e, 2	Cleaning.....	8e, 4
Sifters for grinding-mills.....	50d, 1	Closing machines.....	81a, 5
Slide-valves.....	47g, 27	Fastenings.....	81c, 8
Steam-engines.....	14b, 6	Filling and packing machines.....	81a, 3
Strainers for paper-making.....	55d, 5	Holders, (to hold sack open while being filled).....	81a, 4
Switches, electric.....	21c, 29	Lifters.....	35d, 1
Tippers for loading and unloading.....	81e, 21	Or bag closures.....	54b, 4
Rouge, cosmetic.....	30h, 13	Turners.....	8e, 4
Roughening tips of billiard-cues.....	77c, 13	Weaving.....	86c, 3
Roulette games.....	77d, 12	<b>Sacks, elastic, for dispensing purposes</b> .....	64c, 5
Roundabouts.....	77e, 1-10, 17	For packing purposes.....	81c, 8
Round biddles.....	1a, 14	Paper, making.....	54b, 3
Rounding machines, (woodworking).....	38b, 2	<b>Saddle bags</b> .....	56b, 12
Round-molding planers.....	38b, 2	Clamps for cycles.....	63g, 3
Roving-frames.....	76c, 1	Coverings.....	56b, 7
Rowing apparatus.....	65c, 7	Fastenings for cycles.....	63g, 3
Machines, (gymnasium appliances).....	77a, 10	Girths and girth-tighteners.....	56b, 8
Toys.....	77f, 20	Posts for cycles.....	63h, 19
Rubber balls.....	77a, 19	Springs for cycle-saddles.....	63g, 3
Balls, making.....	39a, 10, 11	<b>Saddlery</b> .....	63a
Buffers for railway-cars.....	20d, 22	<b>Saddles, cycle</b> .....	63g, 1-4
(Caoutchouc, gutta-percha, balata) extracting.....	39b, 1	Fastening sabers or swords to.....	33d, 8
Casings for tires.....	63e, 10	Making.....	63a, 4
Cements.....	22j, 1	Pack.....	56b, 5
For electric insulation.....	21c, 2	Riding.....	56b, 1-6
Hard.....	79a, 7	<b>Sad-irons</b> .....	8d, 21
Pavements.....	19c, 5	<b>Safe-locks</b> .....	68a, 21
Shoes.....	71a, 3, 8	<b>Sales</b> .....	68e
Stockings.....	30d, 19	Burglar and fire proof.....	68e, 2
Stoppers for liquor-handling apparatus.....	64a, 9	<b>Safety bars on machines</b> .....	47a, 18
Stuffing-box packing.....	47f, 25	Chains for doors.....	68b, 8
Treating, chemical features.....	39b, 1-3	Connected with alarms.....	74a, 22
Mechanical features.....	39a, 8-13	<b>Closures for bottles, etc</b> .....	64a, 73-81
Unvulcanized, kneading, mixing, rolling.....	39a, 9	For bottles, etc., machines for making.....	81b, 1
Vulcanizing, chemical features.....	39b, 3	For doors, drawers, chests, etc.....	68a, 17; 68b, 15
Mechanical features.....	39a, 11	<b>Clothes hangers and holders (lockable)</b> .....	68a, 107
Rubbing and massage apparatus.....	30f, 6	<b>Cocks and valves for gas-pipes</b> .....	4c, 10-12
Devices for laundry.....	8d, 10	<b>Cranks for winches, pulley-blocks, etc</b> .....	35c, 4
For washing-machines.....	8d, 5	<b>Deposit boxes</b> .....	68e, 2
Rubidium compounds.....	12l, 16	Locks.....	68a, 21
Extracting.....	40a, 47	<b>Devices against theft and loss of bags, etc</b> .....	33b, 12
Rubies, artificial production.....	12m, 6	For acetylene-generators.....	26b, 43
Ruchings, making.....	8g	For air-compressors.....	27b, 8
Rudders.....	65a, 47, 48	For circular saws.....	38e, 10
Horizontal, vertical, and balancing, for air-craft.....	77h, 15	For dispensing-cocks.....	64c, 40
For kite-shaped flyers.....	77h, 5	For gas-holders.....	4c, 37
Rugs, traveling.....	3b, 3		



	Classification.		Classification.
<b>Safety devices for gymnasts</b> .....	77a, 4	<b>Salting meat</b> .....	53c, 2
<b>Devices for hoisting mechanism</b> .....	35a, 22	<b>Salts, alkali</b> .....	12l, 1-6
For horse-powers.....	45d, 3	Alkaline-earth metal.....	12m, 2
For manometers.....	42k, 13	Extracting.....	12a, 1, 2; 12c, 1, 2; 12l, 1-3
For operation of ships.....	65a, 75-80	Fire-extinguishing.....	61a, 13; 61b
For paper-trimming machines.....	11b, 6	Heavy metal.....	12n, 1
For platen-presses.....	15d, 41	Precious metal.....	12n
For presses for making clay articles, etc.....	80a, 29	For photographic purposes.....	57b, 9
For sheet-metal and tube work.....	47a, 18	Preserving.....	53c, 3
Generally.....	58b, 16	<b>Salvarsan</b> .....	12q, 32
For pressure-gages.....	42k, 13	<b>Salves</b> .....	30h, 9
For receptacles containing condensed or		Machines for making.....	30g, 7
liquefied gases.....	47g, 47	<b>Salvers</b> .....	34f, 21
Containing inflammable fluids.....	81e, 38	<b>Samovars</b> .....	34l, 7
For small-arms.....	72a, 19	<b>Sample and pattern cards</b> .....	8f, 13; 54g, 4, 16
For starting internal-combustion engines.....	46c, 25	Cards, fastening articles to.....	81a, 12
For steam-boiler water-gages.....	13c, 10	Cutting machines.....	8f, 11
For steam boilers.....	13c, 19-23	Staples.....	8f, 13
For steam engines.....	14g, 3	<b>Samplers for buhr-mills and roller-mills</b> .....	50b, 4
For straw-cutters.....	45e, 34	For sugar industry.....	89c, 16
For street-car and railway operation.....	20d, 32-35	Generally.....	42l, 17, 18
For threshing-machines.....	45e, 10	<b>Samples, wall-paper and cloth, pasting on sam-</b>	
For use in window-cleaning.....	34c, 4	ple-cards.....	8f, 13
For woodworking saws and planers.....	38e, 10, 11	<b>Sampling-cocks for liquid-dispensing apparatus</b> .....	64c, 27
On boats.....	65c, 3	<b>Sand blast apparatus</b> .....	67b
On electric cars.....	20l, 27	Catchers for paper-making.....	55d, 12
On grinding-machines.....	67a, 28	Edges for foundry-flasks.....	31c, 8
On incandescent lamps.....	21f, 64-66	For mixing mortar.....	80b, 1
On machines, generally.....	47a, 18	Glasses.....	83a, 80
On mowing-machines for protection of ani-		Lime bricks, making.....	80a, 8; 80b, 10
mals.....	45c, 20	Scattering devices in connection with harness	56a, 21
On petroleum and alcohol cans.....	34l, 20; 81c, 38	Devices for streets.....	19b, 5
On rotary and bed-and-cylinder-presses.....	15d, 28	Screening or sifting.....	1a, 15-21
Operating upon breaking of wires, based on		For making and repairing pavements.....	19c, 11
electromagnetic action.....	21c, 60	Washing.....	1a, 11
Based on mechanical action.....	21c, 9	<b>Sandals</b> .....	71a, 7
For railway-switches.....	20i, 7	<b>Sanded sidings for railway-service</b> .....	20h, 4
Preventing bursting of water-pipes.....	85d, 8, 11	<b>Sanding devices for brick-presses</b> .....	80a, 30
Preventing children from falling from beds.....	34h, 2	For locomotives and street-cars.....	20b, 16, 17
Children from falling from perambulators.....	63b, 52	For railway-brakes.....	20f, 5
Escape of fire-gases.....	24k, 8	<b>Sandstone, calcareous</b> .....	80a, 8; 80b, 10
Of unburnt gases.....	4c, 10-13	<b>Sanitary science</b> .....	30a-k
Persons from falling out of windows.....		<b>Santalol</b> .....	12o, 25
From being caught in railway-car doors.....	20c, 33	<b>Sapphires for talking-machines</b> .....	42g, 4
Fittings for boxes.....	81c, 2	<b>Saturating sugar-juice</b> .....	89c, 15
Fuses, electric.....	21c, 59	<b>Saucepans</b> .....	34l, 1-3
Lamps.....	4a, 1-3, 8-10, 51-53; 21f, 60	<b>Sausage cases, (substitute for intestines,) chemi-</b>	
Linings for receptacles containing inflamma-		cal preparation.....	53c, 3
ble fluids.....	81e, 38	Cases, (substitute for intestines,) mechanical	
Locks for sliding car-doors.....	68a, 93	preparation.....	66b, 15
Generally.....	68a, 87	Cutting machines.....	34b, 1
Paper.....	55f, 9	Hanging apparatus.....	66b, 13
Pins.....	44a, 24	Making.....	66b, 10, 11
Apparatus for automatic feeding of caps.....	7e, 1	Stuffing machines.....	66b, 11
Making.....	7e, 1	Tying devices.....	66b, 11
Plugs, fusible.....	21c, 59	<b>Savings-boxes</b> .....	44a, 42
Razors.....	69, 21	<b>Saw blades, making</b> .....	49b, 25
Receptacles for household use to prevent		Buckles for frame-saws.....	38a, 3
theft.....	34l, 25	Teeth cutting machines.....	49b, 25
Valves for steam-boilers.....	13c, 24-30	Inserted.....	38a, 11
Walls for theaters.....	37f, 1	<b>Sawing-machines, metal</b> .....	49b, 21, 22
<b>Safranins</b> .....	22c, 1	Metal, tools for.....	49b, 24
<b>Sails as auxiliary driving means for cycles and</b>		<b>Saws, band, for metal-working</b> .....	49b, 22
vehicles.....	63k, 1	Band, for woodworking.....	38a, 4
Ships', construction and arrangements.....	65a, 14	Bone.....	30a, 9; 30c, 1; 66a, 8
<b>Salicylic acids</b> .....	12q, 29	Bow.....	38a, 7
Amino.....	12q, 34	Combined with other woodworking-ma-	
Salicylo-salicylic acids.....	12q, 31	chines.....	38b, 7
Saline deposits, working.....	12l, 4	Circular, for metal-working.....	49b, 21
Salinometers.....	42l, 3	For woodworking.....	38a, 5
Saliva-pumps, etc., dentists'.....	30b, 20	Crosscut, for woodworking.....	38a, 6
Salols.....	12q, 31	Dentists'.....	30b, 5
<b>Salt boxes and cellars</b> .....	34f, 16	For dovetailing and tenon-cutting.....	38a, 10; 38d, 1
Common.....	12l, 1-3	Frame.....	38a, 1-3
Denaturing for stock feed.....	53g, 4	Fret.....	38a, 7
Obtaining.....	12c, 1, 2; 12l, 1-3	Groove-cutting.....	38a, 10
Licks for cattle and game.....	45b, 4; 53g, 4	Hand, for woodworking.....	38a, 10
Producing industry (Stassfurt).....	12l, 4	Hardening.....	18c, 2
Shakers.....	34f, 16	Log.....	38a, 10
Solutions, common.....	12l, 1, 2	Making.....	49b, 25

	Classification.		Classification.
<b>Saws, metal-working</b> .....	49b, 21, 22	<b>Score computers and indicators for card games</b> ..	77d, 5
Metal-working, sharpening and setting.	49b, 23	Scouring fabrics .....	8e, 2
Miter .....	38c, 4	Grain .....	50a, 3-7
Rabbit .....	38a, 10	Scows for conveying excavated material .....	84d, 5
Scroll .....	38a, 7	Scrapers, bankers' .....	2a, 14, 15
Sweep .....	38a, 7	Butchers' .....	66b, 15
Combined with other woodworking-ma-		Scraping and smoothing needles .....	7e, 5
chines .....	38b, 7	Machines, leather .....	3e, 3
Tree .....	45f, 18	Tools, metal .....	49b, 29
Woodworking .....	38a, 1-10	Screen-baskets for centrifugal machines .....	82b, 18
Keeping in repair by filing, grinding,		Screens, color .....	57b, 18
sharpening, setting, etc .....	38a, 11-15	Fire .....	34f, 5
Safety devices for .....	38e, 10	For photomechanical reproduction .....	57d, 8
Saxophones .....	51c, 23	Lamp .....	4b, 1, 2
Scabbards, sword .....	69, 27	Or sifters for agricultural purposes, flat .....	45e, 12-14
Scaffold binders .....	37e, 8	For agricultural purposes, round .....	45e, 15
Holders and clamps .....	37e, 8	For fuel and ore dressing .....	1a, 15-21
Molds for construction of arches, chimneys, col-		Hand-sorting .....	1a, 30
umns, etc., <i>in situ</i> .....	37e, 11	For harvesting-machines .....	45c, 8, 9
For construction of ceilings .....	37e, 10	Sand .....	1a, 15-21
Of walls .....	37e, 9	For making and repairing pavements .....	19c, 11
Poles .....	37e, 1	Shaking and drum for grain-sorting .....	45e, 14
Tensioning screws .....	37e, 13	For grain-mills .....	50d, 6
Trucks for electric railways .....	20k, 19	For molding-sand .....	31c, 6
Scaffolding and staging for building purposes,		Paper-machine .....	55d, 3, 9, 11, 18
generally .....	37e, 1-11	Photographic, adjustable .....	57a, 11
For chimney-building .....	37e, 11	Grained or line .....	57a, 11
For hydraulic engineering .....	84a, 1, 5	Projecting .....	42h, 23
For roofing purposes .....	37e, 1-7	Protective .....	34f, 9
Scaffolds, erection, for bridge-building .....	19d, 7	Roller .....	34f, 5
Flying .....	37e, 4	Well .....	85d, 1
Hanging .....	37e, 5	Window .....	34e, 19; 37d, 14
Ladder .....	37e, 2	Scrub blowers .....	27c, 3
Mast or pole .....	37e, 1	Bolts, making by forging and pressing .....	49g, 3
Scalding apparatus, (butchering) .....	60a, 7	Calks .....	45i, 7
Scale-pans .....	42f, 34	Cap closures for liquid-dispensing vessels .....	64a, 24
Scales, adjusting and damping .....	42f, 34	Clamps .....	38e, 8
Automatic .....	42f, 14-21	Closures for ordnance .....	72c, 12
Chain .....	42f, 2	Conveyers .....	81e, 5
Coin-controlled .....	43b, 45, 46	Couplings, railway .....	20e, 1
Decimal .....	42f, 8	Cutting .....	49c
Generally .....	42f	Cutting chucks .....	49c, 9
Grain .....	42f, 14-21	Devices .....	49c, 6
Hydraulic .....	42f, 24	Machines for metal screws .....	49c, 1
Letter .....	42f, 26; 70a, 7	For wooden screws .....	49c, 2
Liquid-weighing .....	42f, 14-20, 31	Dies and stocks .....	49c, 7
Mixing .....	42f, 18, 31	Elevators .....	81e, 5
Pan .....	42f, 4	Excavators .....	84d, 1
Paper .....	42f, 30	Extractors .....	87a, 19
Pendulum .....	42f, 1	Fastening locking devices .....	47a, 9-15
Platform .....	42f, 8, 9	For rails .....	19a, 10
Pneumatic .....	42f, 24	Fastenings .....	47a, 6
Pocket .....	42f, 26	Gages .....	42b, 19
Price .....	42f, 29	Gearing .....	47h, 3
Sack, (filling and weighing) .....	42f, 19	Head-nicking machines .....	49c, 10
Single wheel, for measuring wheel-pressure,		Jacks .....	35d, 4
(for locomotives, etc.) .....	42f, 13	Keys for locks .....	68a, 19
Sliding poise .....	42f, 5-7	Molding machines for foundries .....	31b, 5
Sorting, for weighing material in bulk, (paper		Presses for clay manufactures .....	80a, 25
wool, yarn, etc.) .....	42f, 30, 31	For earthenware .....	80a, 12
Spring .....	42f, 3	For moist materials .....	58b, 9
Track .....	42f, 10, 11	For treatment of beet-slices .....	89b, 5
Wool and yarn .....	42f, 30	Generally .....	58b, 2, 3
Scaling-ladders .....	77a, 13	Propeller blades for flying-machines .....	77h, 6
Scalpels .....	30a, 17	Blades for ships .....	65f, 3, 7, 8
Scarecrows, etc. .....	45k, 5	Shaft bearings for ships .....	65f, 10
Scarf holders and fasteners .....	3b, 16	Shafts for ships .....	65f, 9
Scarfed joints for rails .....	19a, 16	Propellers for flying-machines .....	77h, 6
Scarfs .....	3b, 14	For ships .....	65f, 3-11
Scenery, movable, for theaters .....	77g, 1	Making by casting .....	31c, 25
Scent bottles and boxes .....	33c, 12	Planing .....	49b, 3
Scents .....	23a, 6	Pumps .....	59e, 1
School bags .....	33b, 2	Spindles, brake, for railway-brakes .....	20f, 4
Benches .....	34i, 10-13	Stocks .....	49c, 7
Desks .....	34i, 8, 10, 11	Stoppers for liquid-dispensing vessels .....	64a, 16
Seats .....	34i, 10-13	Tapping machines .....	49c, 3
Scissors, ( <i>see also</i> Shears) .....	69, 1-9	Taps and tap-heads .....	49c, 8
Buttonhole .....	69, 3		
Pocket .....	69, 4		



	Classification.		Classification.
<b>Screw thread milling machines</b> .....	49c, 4	<b>Secondary clocks, electric</b> .....	83b, 2
Threads, cutting, generally.....	49c	Seconds-counters, (chronographs).....	83a, 85
Cutting on lathes.....	49a, 3	Section insulators for electric railways.....	20k, 9
Forming by grinding.....	67a, 9	Magnets for electric railways.....	20k, 17
By pressing.....	49g, 10	Signals.....	20i, 37, 38
By rolling.....	7f, 9	Sectional boiler furnaces.....	24a, 10
On porcelain.....	80a, 47	Boilers built into kitchen-ranges.....	36a, 18
Turbines.....	14c, 3	Water-tube.....	13a, 9, 13, 14, 25
<b>Screws, breaking and crushing</b> .....	50c, 1	Conductors for electric railways.....	20k, 15-17
Driving.....	47b, 29	Harrows.....	45a, 26
For driving motor-cars.....	63c, 17	Radiators.....	36c, 9
Generally.....	47a, 4, 6	<b>Seed scoring machines</b> .....	45b, 1
Making by rolling.....	7f, 9	Testing apparatus.....	42l, 9
On lathes.....	49a, 3; 49c, 1, 2	Seeding and stoning devices for bulk treatment.....	45e, 40-43
Mixing.....	12e, 4; 80a, 7, 25	For household use.....	34b, 11
Polishing.....	67a, 24	Seeding machines.....	45b, 10-16, 30
Rail or tie.....	19a, 10	Machines, steering.....	45a, 36
Stirring.....	6b, 4-6	Methods.....	45b, 10
Wood, metallic.....	47a, 4	Plows.....	45b, 4
Wooden, cutting.....	49c, 2	<b>Seeds, extracting oil from</b> .....	23a, 1, 2
<b>Scroll saws</b> .....	38a, 7	Preparing for sowing.....	45b, 1
Work, ornamental.....	75b, 20	Separating from vegetable fibers.....	29a, 1
<b>Scrub-brushes, making</b> .....	9, 4, 10, 23	Treating.....	45f, 11; 45l, 2
<b>Scrubbers</b> .....	26d, 2, 4	<b>Seesaws</b> .....	77e, 12
<b>Scrubbing implements, (mops, pails, etc.)</b> .....	34c, 6	<b>Seger's cones, composition</b> .....	80b
<b>Sculpture</b> .....	75a, 16, 18; 75b, 18	Generally.....	42i, 10
Copying machines.....	75a, 16	<b>Seismographs and seismometers</b> .....	42c, 43
Photo.....	57b, 19	<b>Selectors, automatic, for telephone systems</b> .....	21a, 64, 65
Scutching machines for textile fibers.....	76b, 3	<b>Selenium</b> .....	12l, 17
Vegetable fibers, (flax, etc.).....	29a, 2	Cells.....	21g, 20
<b>Scuttles, coal</b> .....	34d, 2	<b>Self-acting mules</b> .....	76c, 20-23
<b>Ships'</b> .....	65a, 12	<b>Self-binders</b> .....	45c, 29-32
<b>Scythe grinding machines</b> .....	67a, 8	<b>Self-binding harvesters</b> .....	45c, 29
Sharpening apparatus.....	45c, 4	<b>Self-closing cocks and valves for liquid-dispens-</b> <b>ing vessels</b> .....	64c, 32, 33
<b>Scythes</b> .....	45c, 3	<b>Self-feeding furnaces</b> .....	24a, 11
Hardening.....	18c, 2	<b>Self-induction for high-frequency systems</b> .....	21a, 71
Making by pressing and forging.....	49g, 9	Generally.....	21g, 20
By rolling.....	7f, 5	Influencing in cables.....	21c, 5
Of sheet metal.....	7e, 42	<b>Self-tying neckties</b> .....	3b, 14-16
<b>Seasickness, belts to prevent</b> .....	30d, 22	<b>Selva apparatus for looms</b> .....	86c, 13
Medicines to prevent.....	30h, 3	<b>Semaphore-signals, optical</b> .....	74c, 10
Special apparatus in ships to prevent.....	65a, 29	<b>Semiwater-gas, manufacture</b> .....	24e, 3-8
<b>Seal blanks, making</b> .....	7c, 10, 47; 7f; 31c, 25; 39a; 49g; 54e, f	<b>Sensitive coatings</b> .....	57b, 8-10
Closures for packages, etc.....	81c, 16	Applying.....	57b, 6
Locks.....	68a, 32	<b>Sensitizing films and plates</b> .....	57b, 8
Pliers.....	87b, 5	<b>Separating air from feed water</b> .....	13b, 18
<b>Sealing devices</b> .....	70d, 10	Dust and stones from grain, etc.....	45e, 19
Envelopes, machines for.....	70d, 12	Drums for cleaning and sorting grain.....	45e, 16
Wax.....	22b, 6	Gases and vapors from one another and from liquids.....	12e, 3
<b>Seals, affixing</b> .....	87b, 5	Gases in liquefied state.....	17g, 2
And signets.....	70d, 10; 75a, 2	<b>Materials in fuel and ore dressing</b> .....	1a; 1b, 3-5
Band, lead and sheet metal, to insure safety of packages.....	81c, 16	<b>Separation, chemical, for smelting</b> .....	40a, 8
For liquid-dispensing vessels.....	64a, 77	Chemical, generally.....	12d, 1; 12e, 3
Lead.....	81c, 16	<b>Separators, centrifugal, for grain</b> .....	45e, 18
Liquid, for acetylene-generators.....	26b, 47	(Diaphragms, etc.) for storage batteries.....	21b, 2
For closets.....	85h, 1-8, 15	<b>Flour</b> .....	50d
For sewer systems.....	85e, 12-14	<b>For fuel and ore dressing</b> .....	1a; b
Making by casting.....	31c, 25	<b>Grain</b> .....	45e, 12-18
Of sheet metal.....	7c, 10, 47	<b>Insect, (meal-worms)</b> .....	45h, 15
Marks stamped in paper used in place of seals.....	54b, 7	<b>Magnetic, for separating iron particles from   grain</b> .....	50a, 1
<b>Seam-binding devices for sewing-machines</b> .....	52a, 52	For fuel and ore dressing.....	1b, 3-5
<b>Seams, ripping, implements for</b> .....	3d, 7	<b>Malt</b> .....	50d, 4-6
Ripping, on sewing-machines.....	52a, 51	<b>Milk</b> .....	45g, 8-14
<b>Search-lights</b> .....	4b, 11, 21; 21f, 10	<b>Peat, for paper-making</b> .....	55a, 4
Cleaning by compressed air.....	4b, 11	<b>Wood, for paper-making</b> .....	55a, 3
Electric.....	21f, 10	<b>Series apparatus, photographic</b> .....	57a, 33-37
Optical features.....	42h, 9	Apparatus, photographic, combined with other display apparatus.....	57a, 37
<b>Seats, chair</b> .....	34g, 8	Combined with talking-machines.....	42g, 11
Closet.....	34k, 6	Elements of.....	57a, 37
Cycle, auxiliary and children's.....	63g, 4	Flickering, preventing.....	57a, 37
For locomotives.....	20b, 14	Commulator-machines for alternating current.....	21d, 44
For nurses on baby-carriages.....	63b, 53	<b>Serpentine water-tube boilers</b> .....	13a, 16
Hanging, including those for railway-cars.....	33d, 5	<b>Serums, antitoxic</b> .....	30h, 6
Motor-vehicle.....	63c, 22	<b>Serving-trays</b> .....	34f, 21
Portable, for use in vehicles.....	33d, 6	<b>Servomotors, (auxiliary engines)</b> .....	14c, 7; 60, 15; 88a, 6
Railway-car.....	20c, 41; 34g, 7		
Sliding and roller, for boats.....	65c, 4		
Vehicle.....	63b, 2		

	Classification.		Classification.
<b>Set-off sheets, apparatus for inserting</b> . . . . .	15d, 15	<b>Shafts for motor-vehicles</b> . . . . .	63c, 12
<b>Setting devices, automatic, for fare-indicators</b> . . . . .	42p, 13	Inlet . . . . .	85e, 9-11
Machines, matrix . . . . .	15a, 17	Covers for . . . . .	85e, 10
Metal saws . . . . .	49b, 23	Rigid . . . . .	47b, 1
Out grain of leather, machines for . . . . .	28b, 8	<b>Shagreening-machines</b> . . . . .	28b, 16
Steam-boilers . . . . .	24k, 5	<b>Shaking apparatus for basket-grates</b> . . . . .	24f, 17
Woodworking-saws . . . . .	38a, 14, 15	Apparatus for inclined and step grates . . . . .	24f, 11
<b>Sewage, separating solid and fluid materials</b> . . . . .	85e, 4	For paper-making machines . . . . .	55d, 8
<b>Sewer-conduits</b> . . . . .	85e, 6-8, 15-17	Grates . . . . .	24f, 7-9
Cleaning . . . . .	85e, 18-20	Screens for grain, etc. . . . .	45e, 14; 50d, 6
Stops . . . . .	85e, 15-17	For ore-dressing . . . . .	1a, 19
<b>Sewers</b> . . . . .	85e	Tables for molding confectionery . . . . .	53l, 3
<b>Sewing boxes</b> . . . . .	52a, 58	Troughs . . . . .	81e, 15
Machine chairs . . . . .	52a, 57	<b>Shape-retainers for clothing</b> . . . . .	34l, 31, 32
Frames . . . . .	52a, 57	For shoes . . . . .	71c, 4
Needles . . . . .	52a, 40	<b>Shaped building stones and bricks</b> . . . . .	37b, 1
Making . . . . .	7e, 3	Stone ceilings . . . . .	37a, 1
Tables . . . . .	52a, 57	Walls . . . . .	37a, 4
Machines . . . . .	52a	<b>Shaping machines, metal</b> . . . . .	49b, 2
Basting-stitch . . . . .	52a, 1	Presses, hat . . . . .	41a, 2
Braiders for . . . . .	52a, 52	Leather . . . . .	28b, 28
Buttonhole . . . . .	52a, 17-20	Spoils for armature-windings . . . . .	21d, 18
Carpet . . . . .	52a, 31	<b>Sharpeners, engraving-tool, etc.</b> . . . . .	67a, 4
Chain-stitch . . . . .	52a, 2, 3	Knife . . . . .	67c, 4
And lock-stitch . . . . .	52a, 8	Metal-saw . . . . .	49b, 23
Double chain stitch . . . . .	52a, 3	Mine-stanchion . . . . .	38b, 2
Lock stitch . . . . .	52a, 4-7, 14	Pencil . . . . .	70e, 13-16
Driving mechanism . . . . .	52a, 55	Woodworking-saw . . . . .	38a, 15
Feeding mechanism . . . . .	52a, 45-47, 50	<b>Shavers, corn and bunion</b> . . . . .	30a, 15
For darning purposes . . . . .	52a, 30	<b>Shaving brushes</b> . . . . .	9, 12
For embroidering . . . . .	52a, 9, 59; 52b, 2	Mirrors . . . . .	33c, 12
For sewing on beads, hooks and eyes, etc. . . . .	52a, 23	<b>Shavings, metal, comminuting</b> . . . . .	49b, 16
For special purposes . . . . .	52a, 21-32	Steel, for polishing floors, making . . . . .	49i, 8
Glove . . . . .	52a, 12	Wood, making . . . . .	38i, 4
Hat . . . . .	52a, 21, 22	<b>Shawl-covers, travelers'</b> . . . . .	33b, 2
Leather . . . . .	52a, 13-16	<b>Shawls, weaving</b> . . . . .	86c, 1
Loop-formers for . . . . .	52a, 41-44	<b>Sheaf binders for mowing-machines</b> . . . . .	45c, 29
Ornamental stitch . . . . .	52a, 9-11	Binding bands . . . . .	45e, 1
Pressers for . . . . .	52a, 48-50	<b>Shear-levers for lasting-machines</b> . . . . .	71c, 23, 25
Running stitch . . . . .	52a, 1	<b>Shearing apparatus, generally</b> . . . . .	69, 10-12
Seam-binders for . . . . .	52a, 52	Laces and embroideries, apparatus for . . . . .	8b, 32; 52b, 14
Shoe . . . . .	52a, 13-16	<b>Machines, pelt</b> . . . . .	28b, 25
Sole . . . . .	52a, 13-15	Woven fabric . . . . .	8b, 14
Trimming off materials, devices for . . . . .	52a, 51	Metal . . . . .	49b, 11-15, 17, 20
Tuckers and rufflers for . . . . .	52a, 53	<b>Shears, animal-clipping, etc.</b> . . . . .	69, 5, 10-12
Whip-stitch . . . . .	52a, 12	Buttonhole . . . . .	69, 3
Needles, making . . . . .	7e, 2	Coupon . . . . .	69, 7
<b>Utensils</b> . . . . .	52a, 58	For cutting plaster-of-Paris bandages . . . . .	30d, 23
Surgical and methods of storing . . . . .	30a, 8	For cutting rolled metal immediately after leaving the rolls of rolling-mills . . . . .	49b, 14
<b>Sextants</b> . . . . .	42c, 37	Generally . . . . .	69, 1-9
<b>Shackles, foot and hand, for prisoners</b> . . . . .	68a, 110	Guillotine . . . . .	49b, 11
For padlocks . . . . .	68a, 101-105	Making by forging and pressing . . . . .	49g, 9
<b>Shadow toys</b> . . . . .	77f, 26	Of sheet metal . . . . .	7c, 41
<b>Shaft bearings</b> . . . . .	47b, 4-12	Metal . . . . .	49b, 11-15, 17, 20
Bearings, propeller . . . . .	65f, 10	With hydraulic driving mechanism . . . . .	49e, 14
Boring . . . . .	5c, 3	<b>Paper-board</b> . . . . .	11b, 10
Building . . . . .	5c, 1	<b>Sheep</b> . . . . .	69, 5
Closures for elevators . . . . .	35a, 18	<b>Sheet metal</b> . . . . .	49b, 11-13, 14, 19
For mines . . . . .	5d, 6; 35a, 18	<b>Slate</b> . . . . .	80d, 3
<b>Couplings, connectible and disconnectible,</b> (clutches) . . . . .	47c, 6-16	<b>Surgical</b> . . . . .	30a, 16
Not disconnectible . . . . .	47c, 1-5	<b>Traveling, for cutting rolled metal</b> . . . . .	49b, 14
<b>Driers</b> . . . . .	82a, 16	Tree . . . . .	45f, 18
<b>Drills</b> . . . . .	5c, 3	Tube . . . . .	49b, 11, 12
<b>Furnaces</b> . . . . .	18a, 3-7; 24e, 1-8; 36a, 1	<b>Wire</b> . . . . .	49b, 17
Charging apparatus for . . . . .	24b, 2	As military equipment . . . . .	33d, 8
For glass-fusing . . . . .	32a, 4	<b>Sheaths for surgical instruments</b> . . . . .	30a, 19
Metallurgical . . . . .	40a, 7, 39	Knife . . . . .	69, 16
<b>Governors for engines</b> . . . . .	60, 21	Or scabbards . . . . .	69, 27
<b>Hammers, hand-operated</b> . . . . .	87b, 1	<b>Sheaves (pulleys) for conveyer-bands</b> . . . . .	81e, 1
Mechanical . . . . .	49e, 7	Forming and binding by hand-tools and inde- pendent machines . . . . .	45e, 1
<b>Kilns</b> . . . . .	80c, 12, 13	Rope . . . . .	47b, 26
<b>Linings</b> . . . . .	5c, 4	<b>Shed-closing devices for dobby-loom</b> . . . . .	86b, 1
<b>Signaling apparatus</b> . . . . .	74c, 10	For Jacquard looms . . . . .	86b, 10
<b>Sinking</b> . . . . .	5c, 1, 2	<b>Sheep-shears</b> . . . . .	69, 5
<b>Timbering</b> . . . . .	5c, 4		
<b>Shafts and poles, vehicle</b> . . . . .	63b, 17-22		
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Flexible . . . . .	47b, 2		



	Classification.
Sheet delivering devices for bed-and-cylinder presses.....	15d, 15
Feeding devices for rotary and cylinder presses.....	15e, 6-11
Feeding devices for platen-presses.....	15d, 39
Mechanism for type-writers.....	15g, 35
Guides and shifters for cylinder and rotary presses.....	15d, 14
Hangers (driers) for paper-making.....	55d, 30
Iron annealing.....	18c, 7
Lifting devices for power-presses.....	15e, 7, 9
Lifting, feeding, placing and guiding for independent folding apparatus and machines.....	15e, 1
Metal, bending and flanging.....	7c, 4
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Corrugated, for buildings.....	37b, 4
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Creasing and folding.....	7c, 4
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By rolling.....	7a, 9
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Punching.....	7c, 10, 11
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Softening.....	48d, 5
Straightening.....	7c, 1
Working.....	7c, 1-6, 10-18
Working up into hollow objects.....	7c, 15, 24
Into various objects.....	7c, 24-47
Piling for foundations.....	84c, 2
Shifters for cylinder-presses.....	15d, 14
Spreaders for power-presses.....	15d, 14
Steel, annealing.....	18c, 7
Sheets, bed.....	34f, 9
Gelatin, forming.....	39a, 18
Offset, devices for putting in.....	15d, 15
Printed, lifting from press.....	15e, 7, 9
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For open bookcases, cupboards, etc.....	13i, 15
Shelf-fuses.....	72i
Shells, (ammunition).....	72d
Paint-tubes, etc., of sheet metal, making.....	7c, 26
Shelves, book, etc., inclosed.....	34i, 16
For open bookcases, etc., including means for fastening and shifting.....	34i, 15
Shields as protection from fire and heat.....	61a, 10
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Shiftable calendars.....	83a, 78
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Scaffolds.....	37e, 6
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Mechanism for type-writers.....	15g, 26, 27, 30, 31
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Shingles.....	37c, 7, 11
Making.....	38k, 1
Shipbuilding.....	65a, 1-8
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Cylindrical.....	65a, 2
Disinfecting, fire-fighting, heating, ventilating.....	65a, 17
Engine-governors.....	60, 12
Controlled by movements of ship.....	65f, 27
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Reversing.....	65f, 28
Equipment.....	65a, 29-37
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By electric waves, sound-waves, etc.....	21a, 66-71; 65a, 62; 74d, 6
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Shirt-fronts.....	3a, 3
Shirts.....	3a, 1
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Removing.....	84a, 1
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For lamps.....	4a, 23
For motor-cars.....	63c, 22
For road-vehicles.....	63b, 13
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Shoe attachments.....	71b, 10-14
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Buttoners.....	33c, 10
Brakes.....	47c, 17; 63b, 62
Cap presses.....	71c, 12
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Driers.....	34c, 16
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	Classification.		Classification.
Shoe nailing machines.....	71c, 38-45	Shutters, photographic, roll and curtain..	57a, 27, 28
Nails, pegs, tacks, etc.....	71a, 33	Rotary or sliding.....	57a, 26
Polish.....	22g, 5	Shutters, window.....	37d, 25
And shoe-polishing implements, containers for.....	34c, 18	Shuttle changing in looms.....	86c, 22
Polishing brushes.....	9, 9, 17	Guards.....	86g, 6
Hand implements, (exclusive of brushes).....	34c, 15	Guides.....	86g, 6
Machines, including coin-controlled.....	34c, 14	Mechanism.....	86c, 21, 26
Stands.....	34c, 16	Motions.....	86c, 21
Scrapers and cleaners.....	34c, 17	Positive.....	86c, 14
Sewing machines.....	52a, 13-16	Replacing apparatus.....	86c, 23-25
Straps.....	71a, 32	Shuttles for embroidering-machines.....	52b, 14
Making.....	71c, 58	Generally, for looms.....	86g, 7
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Electric.....	21h, 12	Intrenching.....	69, 23
Wire, making.....	49f, 11	Capable of being used as armored shields or coverings.....	72g, 2
<b>Sole and heel protectors</b> .....	71b, 11	Making by pressing and forging.....	49g, 9
Cutting machines.....	71c, 31	By rolling.....	71, 3
Forming machines.....	71c, 51	Oil sheet metal.....	7c, 41
Nailing machines.....	71c, 38-42	<b>Spanners for lock-nuts</b> .....	47a, 14
Presses.....	71c, 33	<b>Spark arresters</b> .....	24g, 7
Pressers on shoemaking-machines.....	71c, 27	Extinguishing in electric switches.....	21c, 35
Protectors, machines for driving in.....	71c, 55	Plugs, including electromagnetic, for explosion and internal-combustion engines.....	46c, 17
Sewing machines.....	52a, 13-16		
Stamping and cutting machines.....	71c, 31		

	Classification.		Classification.
<b>Sparkling coils</b> for wireless telegraphy .....	21a, 71	<b>Spirits, purifying</b> .....	6d, 4, 5
Coils generally .....	21g, 6	Rectifying .....	6b, 24-28
Of alternating-current motors, preventing, 21d, 44, 45		Spirometers .....	30a, 4
Of continuous-current dynamos, preventing .....	21d, 11-13	Spits, meat-roasting .....	34l, 10
Of relays, preventing .....	21g, 4	Spittoons, dentists .....	30b, 20
Of switches, etc., preventing .....	21c, 28-61	For railway-cars .....	20c, 42
Of taking off current, preventing .....	21d, 20, 21	Including those with flushing devices .....	34f, 10
Spatter-work, (color-spraying) .....	75c, 3	Pocket .....	30g, 14
Spatulas .....	75c, 13	Splice-bars .....	19a, 15-19, 22-24
Speaking-tubes .....	74d, 5	Splicing ropes .....	73, 8
Specific gravity, determining .....	42l, 1	Splints, match .....	78b, 1
Spectacle bridges .....	42h, 29	Orthopedic .....	30d, 4-6
Cases .....	33b, 10	Split burners, gas .....	4g, 38
Fitting apparatus .....	42h, 32	Seconds watches .....	83a, 85
Frames .....	42h, 29	Splitting-machines, briquet .....	80a, 24
Spectacles and eyeglasses .....	42h, 26-31	Intestine, (leather-making) .....	28b, 24
And eyeglasses with adjustable lenses .....	42h, 28	Leather .....	28b, 10
Protective, for fencing .....	77a, 23	Stone .....	80d, 4
Spectrometers and spectroscopes .....	42h, 20	Wood, for bulk treatment .....	38k, 3
Spectrum apparatus .....	42h, 20	For household use .....	34d, 1
Specula .....	30a, 2	Spokes for cycle-wheels .....	63d, 18, 20
Speed controllers for electric motors .....	21c, 49-53	For cycle-wheels, making of wire .....	7d, 11
Governors for mechanical players .....	51d, 18	For vehicle-wheels .....	63d, 4, 9
Indicators .....	63c, 25; 63g, 13	Sponge-holders .....	34k, 3
Measuring devices .....	42o, 1-13	Sponges, bath .....	34k, 3
For photographic shutters .....	57a, 32	Sponging and shrinking textiles .....	8b, 13
Meters .....	42o, p	Spontaneous combustion in ships, preventing .....	65a, 17
Regulating devices for alternating-current motors .....	21d, 44, 45	In straw-stacks, preventing .....	81e, 37
For continuous-current dynamos .....	21d, 11-15	In warehouses, preventing .....	81e, 37
For induction-motors .....	21d, 43	Preventing by chemical means .....	61b
Spent grain, machines for removing from mash .....	6b, 10	Spool cases for sewing-machines .....	52a, 44
Spherical ships .....	65a, 2	Frames, (weaving) .....	86a, 2
Sphygmographs and sphygmometers .....	30a, 4	Holders, (spinning) .....	76d, 17
Spice containers .....	34f, 16	For roll-cameras .....	57a, 23
Mills .....	50b, 10	Spooling .....	7b, 5; 7d, 2; 52a, 36; 76d
Spices .....	53k, 1	Apparatus for sewing-machines .....	52a, 36
Spike-pullers, rail .....	19a, 28	Machines .....	76d, 1-12, 16, 18, 19
Spikes, rail .....	19a, 10	For type-writer ribbons .....	15g, 45
Drawing and driving in .....	19a, 28	Measuring and counting mechanism .....	76d, 18
Making .....	7e, 19	Silk .....	29a, 6; 76c, 28
Spindle bearings for metal-working lathes .....	49a, 15	Warp .....	76d, 1-5
Bearings for spinning-frames .....	76c, 25	Spools .....	76c, 19, 26; 76d, 16; 86c, 24
Brakes for spinning and twisting frames .....	76c, 14	For roll-cameras .....	57a, 23
Drive for spinning and twisting frames .....	76c, 13	For sewing-machines .....	52a, 44
Lubrication .....	76c, 25	For spinning and twisting frames .....	76d, 16
Valves for acetylene-generators .....	26b, 1	For spooling-machines .....	76d, 16
Spindles brake, for railway-brakes .....	20f, 4	Making of paper .....	54c, 4
Doubling and twisting .....	76c, 4, 18	Shaping, for armature-windings .....	21d, 18
Spinning-frame .....	76c, 25	Wet, for looms .....	86c, 14, 24
Spinning .....	76a-d	Spoon-holders .....	34f, 21; 34l, 12
Artificial silk .....	29a, 6	Spoons .....	34f, 14
Asbestos .....	76b; c	Ear .....	33c, 12
Cans .....	76b, 20	Kitchen .....	34l, 21
Cards .....	76b, 11	Making by pressing .....	49g, 10
Fine .....	76c	Of sheet metal .....	7c, 41
Frames .....	76c, 1-24	Medicine .....	30g, 8
Fly .....	76c, 2	Sporting guns .....	72a, 16
For covering thread, wire, etc. .....	25c, 1	Guns, change-over devices for .....	72a, 18
Ornamental thread .....	76c, 24	Locks .....	72a, 16
Ring .....	76c, 5, 6	Sleds .....	63b, 66
Horsehair .....	76c, 28	Sports .....	77a, b
Lathes .....	7c, 12	Aquatic .....	65a, 74; 65c
Machines, cap .....	76c, 8	Courts for .....	77a, 25
Oils .....	23c, 2	Paving .....	19c
Paper .....	76c, 29	Driving .....	63b-k
Silk .....	76c, 28	Structures for .....	37f, 1
Top billiards .....	77d, 16	Swimming .....	77a, 14, 15
Spiral coolers .....	17f, 4	Spray coolers for liquids and gases .....	17e, 4
Drawing instruments .....	42a, 13	Corks for liquor-handling apparatus .....	64a, 52
Drills for metal-working .....	49a, 42	Tubes for paper-making machines .....	55d, 9
Spring mattresses .....	34g, 17	For spray-coolers .....	17e, 4
Tubes making .....	7b, 9, 20	Sprayers, color .....	75c, 22
Wire, making .....	7d, 2	Flower .....	45f, 21
Spirals (worms) making by rolling .....	7f, 8	For applying fluids to fibrous materials .....	8a, 1
Spirits, denaturing .....	6b, 29	For extermination of plants and vermin .....	45k, 4
Measuring and registering for excise purposes .....	42l, 11	For fire-extinguishers .....	61a, 17
Of wine, making .....	6b, 16	For furnaces .....	24b, 7
		For moistening the air .....	36d, 14, 15
		Garden .....	45f, 21
		Gas, (fire-extinguishing) .....	61a, 12



Classification.

**Sprayers, liquid fuel, for furnaces**..... 24b, 7  
 Marmalade, for baked goods..... 2b, 16  
 Metal, for the preparation of metal powders..... 49i, 3  
 Talcum..... 33c, 12  
**Spraying devices for gas-washers**..... 26d, 4  
 Mechanism for baths, general arrangements..... 85f, 5  
 Nozzles for absorbing, mixing, and purifying  
   gases and vapors..... 12e, 2, 4  
   For baths..... 85f, 6  
   Generally..... 85g, 3  
**Spreaders, butchers'**..... 66a, 6  
 For textile fabrics..... 76b, 26-29  
**Spreading-furnaces for glass manufactures**..... 32a, 29, 31, 32  
**Spring arrangements for locks**..... 68a, 76  
 Boards..... 77a, 3  
 Cases for watches..... 83a, 46  
   Details..... 83a, 50  
 Collars, adjustable..... 47c, 3, 9  
 Couplings..... 47c, 14  
 Cushions for horse-collars..... 56a, 5  
 Door-closers..... 68d, 4, 5  
 Drive for lubricating-presses..... 47e, 17  
 Guns..... 72b, 4  
 Housings for clocks and watches..... 83a, 2  
 Motors..... 46e, 1-3  
 Movements, generally..... 47h, 24  
 Nets, (life-saving)..... 61a, 10  
 Scales..... 42f, 3  
 Spades for gun-carriages..... 72c, 7  
 Tooth farming implements..... 45a, 28  
**Springs as auxiliary driving devices for cycles  
 and vehicles**..... 63k, 8  
 Belt, for trusses..... 30d, 7  
 Buffer..... 20d, 22  
 Car..... 20d, 21  
 Clock and watch..... 83a, 1, 9  
 For hoof-coverings..... 45i, 4  
 Hardening..... 18c, 2  
 Hydraulic..... 47a, 17  
 Metal, as machine elements..... 47a, 17  
   Hardening..... 18c, 2  
   Making..... 49g, 8  
   Pneumatic..... 47a, 17  
   Spiral, for beds and other furniture..... 34g, 18  
   Making..... 7d, 7  
   Vehicle..... 63b, 13, 14, 48; 63c, 22  
**Sprinkling carts**..... 19b, 4; 45f, 19  
 Carts, liquid manure..... 45b, 5  
 Fuel to prevent smoke, materials for..... 10b, 10  
 Streets..... 19b, 4  
**Sprocket-gearing, generally**..... 47h, 11  
 Variable speed, for cycles..... 63k, 13, 14  
 And reversing, generally..... 47h, 17  
**Sprockets as machine elements**..... 47b, 24  
 For cycles..... 63k, 29  
**Spur-wheel gearing for cycles**..... 63k, 1-3, 7, 9, 11, 15-18, 20, 21, 25, 27  
 For motor-cars..... 63c, 6  
 Generally..... 47h, 6, 12  
**Spurs and spur fastenings**..... 71b, 15-17  
 Ice..... 71b, 13  
 Making..... 49i, 9  
 Mountain-climbing..... 71b, 13  
 Riding..... 71b, 15-17  
**Spy mirrors on doors**..... 37d, 39  
 Mirrors on windows..... 34f, 1  
 Windows and holes in doors..... 37d, 39  
**Squeezers, alligator, for treating wrought-iron  
 blooms**..... 18b, 4  
 Lemon..... 34b, 9  
**Stable-openers, automatic**..... 45h, 14  
**Stables, equipment, (floors, stall-bars, ventila-  
 tion)**..... 45h, 1  
 Structural features..... 37f, 2  
**Stabilizers for aircraft**..... 77h, 5, 15  
 Gyroscopic..... 77h, 5  
**Stackers for threshing-machines**..... 45e, 11

Classification.

**Stacking tobacco and other leaves, appara-  
 tus for**..... 79a, 1  
 Unprinted sheets of paper..... 55e, 5  
**Stacks, ricks, etc**..... 45e, 29  
 Cutters for..... 45e, 1  
 Preventing spontaneous combustion in..... 81e, 37  
**Staffs, skee**..... 77b, 15  
**Stage decorations**..... 77g, 1  
 Lighting, electric..... 21f, 9  
 Generally..... 4b, 22  
 Structural arrangements for..... 77g, 2  
 Switches, electric..... 21c, 37  
**Stages and compressors for microscopes**..... 42h, 15  
 Revolving, equipment..... 77g, 1  
 Structural arrangements..... 37f, 1  
**Theater, equipment**..... 77g, 1  
 Structural arrangements..... 37f, 1  
**Staging and scaffolding**..... 37e  
**Stain removers for woven fabrics**..... 8e, 2  
 Removing..... 8d; 8i, 5  
**Stained glass**..... 32b, 5  
**Stair carpet rods and rod-holders**..... 34f, 25  
 Carpets..... 34f, 24  
 Runner rods and fasteners for..... 34f, 25  
**Stairs, concrete**..... 37d, 1  
 Iron..... 37d, 4  
 Railway-car..... 20c, 37  
**Ships'**..... 65a, 32  
**Solid**..... 37d, 1  
**Special types**..... 37d, 3  
 Winding..... 37d, 1-4  
 Wooden..... 37d, 2  
**Stairway coverings**..... 37d, 3  
**Hand-rails**..... 37d, 3  
**Lighting, electric, time-controlled switches  
 for**..... 21c, 40  
 Gas, continuous or for predetermined  
   periods..... 4d, 9, 17  
**Stakes**..... 45f, 15  
**Stalk-breakers**..... 29a, 2  
**Stall-bars for stables**..... 45h, 1  
**Stamp affixers, including those with counting  
 devices**..... 70d, 5-7  
**Canceling machines**..... 15h, 4  
**Cutters**..... 70d, 5-7  
 For stamps in rolls..... 70e, 18  
**Dispensers**..... 43b, 14; 54g, 14  
 Coin-controlled..... 43b, 27  
**Inking pads**..... 15h, 3  
**Keys for workmen's time-recorders**..... 43a, 27  
**Mills for ores**..... 50c, 13  
 For paper-making..... 55c, 10  
**Pickers, (for lifting stamps from stacks)**..... 70d, 5  
**Pliers for hand-stamps**..... 15h, 1  
**Presses for box-making**..... 54a, 7  
**Stamped sheet metal for building purposes**..... 37b, 4  
**Stamper for washing-machines**..... 8d, 7, 8  
 Hand, for clay-working..... 80a, 13, 33  
**Stamping apparatus, card**..... 15h, 5  
**Apparatus, dentists'**..... 30b, 12  
 For marking bags and sacks..... 15h, 7  
**Letter**..... 15h, 4, 7  
**Ticket**..... 43a, 20  
 Time-controlled..... 43b, 54  
**Glass cylinders, machines for**..... 15h, 7  
**Inks**..... 22g, 4, 7  
**Machines, (compressors,) coal**..... 10a, 14  
 For automatic dispatch of mail..... 43a, 24  
 For characters or lines for type-setting..... 15a, 19  
 For manufacture of clay tubes..... 80a, 33  
   Of clay ware, generally..... 80a, 13  
 For matrix strips and plates..... 15a, 20  
 For paving purposes..... 19c, 9  
**Letter**..... 15h, 4  
**Needle**..... 7e, 2  
**Presses**..... 15h, 4-6

	Classification.		Classification.
<b>Stamps, advertising</b> .....	54g, 4	<b>Stands, picture</b> .....	34f, 4
And dies for pressing sheet metal or tubes .....	7c, 13, 18	Shoemakers' .....	71c, 7
Branding .....	75a, 1	Show-window .....	54g, 16
Canceling .....	43a, 20	Smokers' .....	44b, 21
Date .....	15h, 1	Specimen, for educational purposes .....	42n, 10
With automatic shifting mechanism .....	43a, 35	Tailors' .....	3d, 1
Embossing .....	15h, 1, 7; 75a, 2	Umbrella .....	33a, 1
Folding, for closing tin-cans .....	7c, 9	Watch .....	34l, 22
For marking animals .....	45h, 7	Window, for flower-pots .....	34e, 19
For working unvulcanized caoutchouc .....	39a, 10	Staples as locking devices .....	68b, 28
Hand, flat, roll and ribbon .....	15h, 1	For shoes .....	71a, 33
With counting mechanism .....	43a, 21	Making .....	7e, 19
Without counting mechanism .....	15h, 1, 7	Stapling and wire-stitching machines .....	11a, 5, 6
Inked .....	15h, 1	Starch making .....	89k
Perforating .....	15h, 2	Making, comminuting raw materials for .....	89k, 1
With counting mechanism .....	43a, 21	Nitro .....	78c, 6, 9, 10
Pocket .....	15h, 1	Sugar, extracting .....	89i, 1
Postage, (See also Postage-stamps.)		Synthetic derivatives of .....	12o, 6
Automatic vendors for .....	43b, 27	Starching-machines for laundry .....	8d, 17
Canceling by chemicals .....	75d, 5	Starters, car .....	20b, 2
Collecting appliances for .....	11e, 27	For centrifugal pumps .....	59b, 2
Making .....	54b, 7	For compound steam-engines .....	14g, 2
Registering .....	43a, 14	For electric-arc lamps .....	21f, 15
Roll .....	15h, 1	For electric motors .....	21c, 49-53; 21d, 42
Shoe-cap .....	71c, 12	For explosion and internal-combustion en- gines .....	46c, 24-28
Time, with automatic recording mechanism .....	43a, 35	For mercury-vapor lamps .....	21f, 84
Stanchion flat-cars for railways .....	20c, 12	For motor-cars .....	63c, 13
Vehicles .....	63b, 1	For steam-engines .....	14g, 9
Stanchions, mine .....	5c, 4	For vehicles .....	63b, 28
Stand-pipes .....	13c, 23	Starting barriers for horse-races .....	43a, 33
For gas-retorts and cleaning of same .....	26a, 15	Machines, electric .....	21d, 26, 47
Standard measuring apparatus and processes .....	42e, 29	For races .....	43a, 33
Standards and standard-supports for vehicles .....	63b, 1	Mechanism for machinery, generally .....	47h, 20
Stands and frames for clocks .....	83a, 45	Plates for electric-arc lamps .....	21f, 80
For airing bedding .....	34f, 26	Stassfurt industry, (salt-producing) .....	12l, 4
Connected with bedstead .....	34g, 16; 34h, 2	Station-indicators .....	21i, 25-27; 54g, 4-7
For current-collectors of electric railways .....	20l, 10	With advertisements .....	54g, 4-7, 11
For gas-meters .....	42e, 26	Statuary-copying machines .....	75a, 16
For kitchen-stove rings .....	34l, 21	Stay-bolts for steam-boilers .....	13a, 20
For measuring instruments .....	42c, 1, 2	Steam baths .....	30f, 10
For physical and chemical testing apparatus .....	42l, 13	Boiler feed apparatus .....	13b, 10-18
For weapons .....	34i, 15	Feed-water purification .....	13b, 5-7; 85b
Beer-glass .....	64a, 86	Fittings and steam-pipes .....	13b-g
Bicycle .....	63h, 1-5	Furnaces .....	24a-1
Billiard-cue .....	77c, 13	Safety devices .....	13c, 19-23
Blackboard .....	34i, 9	Valves .....	13c, 25-30
Blue-print .....	70e, 6	Setting .....	24k, 5
Book .....	34i, 17	Water-gages .....	13c, 1-13
Bottle, as furniture .....	34i, 22	Boilers .....	13a-f
For the kitchen .....	34l, 12	Bricking in .....	24k, 5
For the table .....	34f, 21	Cleaning .....	13e
Camera, (tripods) .....	57a, 10	Low pressure, for central heating systems .....	36c, 10
Cane .....	34f, 23	With horizontal fire-tubes .....	13a, 22
Christmas tree .....	34l, 28	With means for injecting feed-water .....	13a, 23
Display .....	54g, 17-19	With several superposed strata of water .....	13a, 24
Drawing .....	70e, 6	With vertical fire-tubes .....	13a, 19
Drying .....	82a, 10, 11	Condensing .....	14c, 11; 14g, 12, 13; 17d; 89e, 5
For boots and shoes .....	34c, 16	Consumption meters .....	42e, 23
For bricks .....	82a, 10, 11	Cookers, (digesters) .....	34l, 2
For laundry .....	8d, 15, 16	Cooking apparatus .....	36c, 13
Egg .....	53c, 4	Cylinders as machine elements .....	47f, 18
Electric lamp .....	21f, 58	Draining .....	14g, 5
Finger-ring .....	34l, 22	Heating and cooling .....	14g, 6
Flower, for hothouses .....	45f, 9	Valve arrangements .....	14f, 10
For rooms .....	34f, 6	Distributing appliances, generally .....	13d, 1
Fruit, for household use .....	34i, 22	Drawing from steam-engines for heating, cook- ing, drying, etc .....	14h, 2
Gun .....	34i, 15	Drying .....	13d, 26-29
Hose, for fire-extinguishing purposes .....	61a, 15	For steam-engines .....	14g, 6
Jumping, gymnasium .....	77a, 3	For steam-turbines .....	14c, 9
Kitchen .....	34l, 12	Energy of, methods of utilizing .....	14h, 1-5
Map .....	34i, 9	Engines .....	14a-h
Match .....	44b, 29	Accessories .....	14g
Milliners' .....	41b, 1	Balancing .....	14a, 15
Mirror .....	34f, 1, 2, 4	Compound .....	14a, 5
Miscellaneous .....	34i, 22	Starting devices for .....	14g, 2
Music .....	34i, 16, 22; 51e, 8	Cooling .....	41g, 6
Operating, veterinary .....	30c, 5	Cut-off and safety devices .....	14g, 3
Pen and pencil .....	70e, 12	Differential pistons .....	14a, 7
Photograph .....	34f, 4		
Made of folded paper .....	54f		



Classification.	Classification.
<b>Steam engines, double-acting high pressure</b> . . . . . 14a, 4	<b>Steel plate presses</b> . . . . . 15d, 9
Engines, drawing off steam for special purposes . . . . . 14h, 2	Sheet annealing . . . . . 18c, 7
For locomotives . . . . . 14a, 1	Softening . . . . . 18c, 1
Heating and heat-insulating . . . . . 14g, 6	Tempering . . . . . 18c, 1, 2, 5-7
Lubricating . . . . . 14g, 7	Tools . . . . . 49a, 25; 49b, 10; 49c, 11
Measuring devices . . . . . 14g, 9	Welding, making . . . . . 18b, 4-7
Movable cylinders, (including telescopic) . . . . . 14a, 10	Wire, annealing and hardening . . . . . 18c, 6
Oscillating cylinders . . . . . 14a, 11	Steeping leather . . . . . 28a, 1
Portable . . . . . 14a, 2	Wood . . . . . 38h, 1
Radial . . . . . 14a, 13, 14	Steering apparatus for agricultural machines . . . . . 45a, 36
Reciprocating . . . . . 14a, 1-16	Apparatus for cycles . . . . . 63h, 13
Regulating devices . . . . . 14g, 3	For drilling and hoeing machines . . . . . 45a, 36
Reversing gear . . . . . 14d, 20-23; 14f, 10	For motor-cars . . . . . 63c, 20
Rotary valve-gears . . . . . 14e	For one-wheeled and two-wheeled motor-
Single-acting . . . . . 14a, 3	cycles . . . . . 63k, 24
Slide-valve gears . . . . . 14d	For road-vehicles . . . . . 63b, 40
Starting . . . . . 14g, 9	For ships . . . . . 65a, 44-51; 74c, 9
Stuffing-boxes . . . . . 14a, 16	Electric . . . . . 65a, 42
Tandem . . . . . 14a, 6	Without continuous conductor . . . . . 21c, 41; 65a, 43
Unidirectional flow . . . . . 14a, 17	Propellers for ships . . . . . 65a, 50
Utilizing exhaust-steam . . . . . 14h, 3	Signal systems for . . . . . 65a, 57
Valve-gears . . . . . 14d-f	Torpedoes . . . . . 65d, 2, 3
Varying clearances . . . . . 14g, 9	Stem-winders for watches . . . . . 83a, 38-40
With rotary or oscillating pistons . . . . . 14b, 1-9	Stencil printing apparatus for typographic pur-
Generating . . . . . 13a; g	poses . . . . . 15d, 34
By electricity . . . . . 13g, 4	Punchers . . . . . 75a, 23
By special methods . . . . . 13g	Stenciling implements . . . . . 75c, 25
For gas-producers . . . . . 24e, 10	Processes . . . . . 75c, 7
Hammers . . . . . 49e, 1	Textiles, wall-coverings, etc . . . . . 8c, 8
Heating for brewing-kettles . . . . . 6b, 12	Stencils for printing addresses . . . . . 15e, 13
Generally . . . . . 36c, 1, 2	For printing textiles, wall-coverings, etc . . . . . 8c, 9
Plants, drawing off air . . . . . 36c, 2	For producing ornamentations . . . . . 75c, 25
Impact-wheels . . . . . 14c, 1	For surface ornamentation of textiles . . . . . 8n, 7
Jet-pumps . . . . . 59c, 11-15	Laundry . . . . . 75c, 25
Meters . . . . . 42e, 23	Making . . . . . 7c, 10; 54d, 2; 75c, 25
Motor-vehicles . . . . . 63c, 2	Painters' . . . . . 75c, 25
Motors, small . . . . . 14a, 2	Tailors', for marking patterns . . . . . 3d, 2
Oil-separators for . . . . . 13d, 30	Wood-graining . . . . . 75c, 25
Pipe-isolating valves . . . . . 47g, 15-18	Stenographic type-writers . . . . . 15g, 18
Piston-pumps . . . . . 59a, 3	Step counters . . . . . 42p, 9
Pressure draft-regulators . . . . . 24i, 2	Counters on watches . . . . . 83a, 83
Pumps . . . . . 59c, 1-3	Coverings for stairways . . . . . 37d, 3
Railway-locomotives . . . . . 20b, 1	Ladders . . . . . 34i, 23
Reaction-wheels . . . . . 14c, 2	Stepping mechanism for dolls . . . . . 77f, 10
Rollers . . . . . 19c, 8	Steps for cycles . . . . . 63g, 14
Separators . . . . . 13d, 26-29	Railway-car . . . . . 20c, 37
Steering apparatus for ships . . . . . 65a, 45	Vehicle . . . . . 63b, 8
Street-railway locomotives . . . . . 20b, 2	Stereoramas . . . . . 77g, 4
Superheaters . . . . . 13d, 2-11	Stereoscopes . . . . . 42h, 22
Traps . . . . . 13d, 12-25	Stereoscopic cameras . . . . . 57a, 4
Turbines . . . . . 14c	Kinematographs . . . . . 57a, 36
Apertures . . . . . 14c, 10	Stenotype type-matrix machines . . . . . 15c, 1
Balancing, regulating, and reversing . . . . . 14c, 7	Plates . . . . . 15b, 2-6; 15c, 3
Blade-fastenings . . . . . 14c, 10	Relief . . . . . 15k, 10
Condensers . . . . . 14c, 11	Stereotypes, flat, casting . . . . . 15c, 2
Driving machines by . . . . . 14c, 12	Stereotyping . . . . . 15b, 2; 15c, 1-4
Friction-operated and screw . . . . . 14c, 3	Sterilizing air . . . . . 30i, 5
Impulse . . . . . 14c, 4	Apparatus, generally . . . . . 30i, 2
Methods of operating . . . . . 14c, 8, 9	Beverages . . . . . 6d, 1, 2
Pressure . . . . . 14c, 4	Closures and stoppers . . . . . 53b, 2-4
Water raising mechanism . . . . . 59c, 3	Dressings . . . . . 30i, 8
Separators . . . . . 13d, 26-29	In barbers' work . . . . . 30i, 6
Whistles . . . . . 74d, 1	Milk . . . . . 53e, 2
Steamers, barley (brewing) . . . . . 6b, 2	Processes, generally . . . . . 30i, 1
Grain . . . . . 50a, 2	Water . . . . . 85a, 1
Meat refuse (for fertilizers) . . . . . 16, 6	Stern-tubes for ships . . . . . 65f, 11
Potato, as feed-cookers . . . . . 53g, 6	Stethoscopes . . . . . 30a, 5
For household use . . . . . 34l, 4	Sticks and quoins for type-setting . . . . . 15a, 6
Ships . . . . . 65a-f	Mahl (maul) . . . . . 75c, 28
Stearin . . . . . 23d	Walking . . . . . 33a, 11-13
Steel, annealing . . . . . 18c, 8, 9	Stiffeners for collars, cuffs, etc . . . . . 3a, 3-5
Coating metals with, galvanic . . . . . 48a	For wearing-apparel, generally . . . . . 3b, 2
Mechanical . . . . . 49f, 18; 49g, 9	Stilt-brakes to prevent vehicles from skidding . . . . . 63b, 59
Crucible, preparing . . . . . 18b, 12	Stilts . . . . . 77a, 12
Engraving . . . . . 75a, 6-12; 75b, 10	Roller or wheel . . . . . 77b, 17-19
Etching for printing-forms . . . . . 15b, 1, 5	Stippling-machines . . . . . 75a, 5
Hardening . . . . . 18c, 1, 2, 5-7	Stirrers, blood, for butchering . . . . . 66a, 5
Ingot, making . . . . . 18b, 8-19	For centrifugal machines . . . . . 82b, 17
Pen-grinding machines . . . . . 67a, 22	For driers . . . . . 82a, 23
Pens . . . . . 70b, 1	For household use . . . . . 34l, 19
Making of sheet metal and tubing . . . . . 7c, 40	For liquids, generally . . . . . 12e, 4

	Classification.		Classification.
<b>Stirrers</b> for mashing apparatus.....	6b, 4, 5	<b>Stools, piano</b> .....	34g, 4
For puddling-furnaces.....	18b, 5	Prayer.....	34g, 10
Pulp, for paper-making.....	55d, 24	Three-legged.....	34g, 10
Stirring mechanism for preparation of mortar.....	80a, 7	Umbrellas convertible into.....	33a, 14
Of soda-water.....	85a, 2, 3	Wall.....	34g, 3
Stirrups.....	56b, 9-12	Stop-watches.....	83a, 85
Making.....	7c, 47	Stoppers, cork.....	64a, 11, 18
Stitching implements for bookbinding.....	11a, 10, 11	Expanding, for liquor-dispensing vessels.....	64a, 17
In bookbinding.....	11a, 1-7; 11c, 1	For liquor-dispensing vessels.....	64a, 8-18
Machines for bookbinding.....	11a, 2-7	For nursing bottles.....	30g, 11
For paper-box manufacture.....	54a, 9-11	Of artificial compositions and machines for	
Thread.....	11a, 3, 4; 52a, 32	making.....	64a, 10
Wire, (bookbinding).....	11a, 5, 6	Rubber, for liquor-dispensing vessels.....	64a, 9
Processes, (bookbinding).....	11a, 1	Screw, for liquor-dispensing vessels.....	64a, 16
Stock feed.....	53g, 1-5	Sterilizing.....	53b, 2-4
Feed, cleaning.....	45e, 20	Transverse, for liquor-dispensing vessels.....	64a, 13
Cookers.....	53g, 6	With measuring devices.....	64c, 43
Removing bitter elements from.....	53g, 5	Wooden, for liquor-dispensing vessels.....	64a, 8
Feeding.....	45h, 4	Stopping runaway horses, devices for, on vehi-	
Watering.....	45h, 5	cles.....	63b, 26
Stocking-stretchers.....	8d, 16	Ships, apparatus for.....	65a, 49
Stockings.....	3a, 10	Stops for accordions.....	51c, 31
Darning, machines for.....	25a, 30	For organs.....	51a; 6
Elastic.....	30d, 19	For windows and doors.....	68d, 30
Making.....	25a, 19-29	Storage batteries.....	21b, 15-26
Putting on, devices to facilitate.....	34l, 24	Batteries, charging and discharging.....	21c, 42-44
Stoking devices for gas-producers.....	24e, 12	Connecting.....	21d, 25
For refuse-furnaces.....	24d	Half lead.....	21b, 24
Generally.....	24f, 21	Lead.....	21b, 15-23
Stone, artificial, containing cork. 37b, 6; 80b, 9, 16, 24		Battery electrode forms.....	21b, 18-22
Artificial, dyeing, glazing, ornamenting.....	80b, 23	Electrodes, making.....	21b, 15, 16
Making.....	80a, 50; 80b, 10-22	Packing.....	21b, 26
Rendering porous or spongy.....	80b, 18	Paste mixtures.....	21b, 17
Slabs of, making.....	80a, 7-19, 29, 46, 50, 56, 58	Plates and grids.....	21b, 18, 19
As filtering material.....	12d, 3	Making by casting.....	31c, 22
Broken, binding materials.....	19c, 1	By mechanical means.....	49i, 4
Making.....	50c, 1, 4	Cellars.....	37f, 2
Building.....	37b, 1	Storing carbid cartridges.....	26b, 40
Chutes.....	37e, 13	Inflammable fluids.....	81c, 38
Coffins, (caissons).....	84c, 3	Storm bands or cords for hats.....	41c, 8
Compositions, impregnating.....	80b, 19	Clothing.....	3b, 3
Crushers.....	50c, 4	Stove dampers.....	36a, 6
Designs.....	75d, 17	Doors.....	36a, 15
Drills and stone-drilling machines.....	80d, 9	Fenders.....	34d, 6
Floors.....	37d, 6, 7	Lifters.....	36a, 23
Grinding machines.....	67a, 14	Making.....	49i, 9
Hewing machines.....	80d, 11	Pipe elbows, making.....	7b, 17
Pavements.....	19c, 2	Pipes.....	36a, 14
Pickers for cultivators, etc.....	45a, 31	Passing through walls.....	36a, 14
Printing-surfaces... 15b, 1, 3, 5; 15d, 8; 15k, 1-3, 6		Utilizing flue-gases.....	36a, 14
Sawing machines.....	80d, 5	Rings.....	36a, 23
Traps for centrifugal pumps.....	59b, 2	Tiles.....	36a, 13
Working.....	80d, 1-14	Making.....	80a, 31; 80b, 8
Working hammers.....	80d, 1; 87b	Stoves, air-circulating.....	36a, 2
Stoners, fruit, for bulk treatment.....	45e, 40-43	Bath.....	36c, 1-5
For household use.....	34b, 11	Briquet.....	36a, 4
Stones, artificial, lithographic.....	15l, 1	Collapsible.....	36a, 9
Artificial, as structural elements.....	37b, 1	Cooking.....	36a, 20
Boundary.....	19c, 3	Steam-bath and water-bath.....	36c, 13
Chimney.....	37b, 1; 37f, 5	For treating hides and pelts.....	28b, 27
Facing, as structural elements.....	37b, 1	Fresh air.....	36a, 3
Fasteners and connections for.....	37b, 5	Gas heating.....	36b, 1, 2, 4
Hollow, of burnt clay.....	37b, 1	Heating.....	36a, 1-12, 24
Kennel.....	19c, 6	Directing gases and air to be heated in zig-	
Mill.....	50b, 2, 11	zag or spiral paths.....	36a, 12
Compositions for.....	80b, 11	Electric.....	21h, 5
Paving.....	19c, 2	For liquid fuel.....	36b, 3
Precious, changing colors by radiation.....	75d, 17	Implements for.....	34d, 8
Coloring.....	75d, 17	Petroleum.....	36b, 3
Grinding agents.....	67c	Removing ashes.....	36a, 7
Machines.....	67a, 21	Structural elements.....	36a, 13-15
Setting.....	44a, 40; 49i, 6	Vapor-burner.....	36b, 3
Working.....	80d, 2	Ironing.....	8d, 21
Shaped, as structural elements.....	37f, 1	Lignite coke.....	36a, 21
Tomb.....	37f, 9	Magazine.....	36a, 1
Stools.....	34g, 3, 4, 10	Steam and water, with heating arrangements.....	36c, 12
Canes convertible into.....	33a, 14	Ventilating.....	36a, 3
Milking.....	45g, 1	With movable parts.....	36a, 9
Music.....	34g, 4		
Office.....	34g, 3		



	Classification.
<b>Straight knitting machines for plain and ribbed goods.</b>	25a, 15
Line breech-actions, small-arms	72a, 13
Motions	47h, 23
<b>Straightening-machines for tubes, rods, and girders.</b>	49f, 8-10
Sheet metal	7c, 1
Wire	7d, 1
<b>Strainers for paper-making.</b>	55d, 5-7
Kitchen	34l, 18
Pump	85d, 1
<b>Straining disks for purification of waste water.</b>	85c, 6
Liners for receptacles containing inflammable fluids	81e, 38
Strands, rope, making	73, 2
Strap-skates	77b, 11
Straps, boot	71a, 32
Shoulder, military	3b, 6
Trouser	3b, 24
<b>Straw binders behind threshing-machines.</b>	45e, 5
Bundles, hand-tools and independent machines for forming and binding	45e, 1
Casings or coverings, machines for making	81a, 15
For sewing	52a, 26
Cutters	45e, 32; 55a, 5
Cutting machines	45e, 32-34
Forks	45c, 2
Hats	41c, 3
Loaders	45e, 30
Mats	34f, 24
Sewing	52a, 26
Mattresses	34g, 19
Plaiting machines	25b, 9
Presses	45e, 23-23
Ropes, making	73, 4
Shakers for threshing-machines	45e, 7
Stacks	45e, 29
Weaving	86e
<b>Stream (trickling) condensers</b>	17d, 3
Coolers	17e, 1-3; 17f, 3
Evaporators, generally	12a, 2
For sugar manufacture	89e, 1
Streams, correcting	84a, 1
Navigating	65a, 52-55
<b>Street binding materials.</b>	19c, 1
Building	19c
Cleaning	19b
Gutters	19c, 6
Organs	51d, 2-7
Pavements	19c, 2
Compositions for	80b, 25
On railway crossings	19c, 7
<b>Railway cars.</b>	20c, 6
Cars, fenders, etc., for	20d, 32
Side gratings between cars	20d, 35
Rails	19a, 20
Draining	19a, 21
Switches	20i, 15-17
Ties	19a, 21
Tracks	19a, 1, 20-24; 19c, 1-5, 7
<b>Railways.</b>	20a; 20i, 15, 16, 17
Auxiliary apparatus for operating	20h
Electric	20k, 1
Protective and safety devices	20d, 32-35
Rollers	19c, 8
Scraping machines	19b, 3
Sewer-pipes	85e, 6
Sprinkling apparatus	19b, 4
Sweeping machines	19b, 1
Washing machines	19b, 3
Streets, sand-scattering appliances	19b, 5
Tearing up, apparatus for	19c, 10
<b>Strength testers for testing cement, etc., by beating.</b>	42k, 28
Testers for various materials	42k, 20, 22-28
Testing machines	42k, 21
<b>Stretchers, carpet.</b>	34f, 8
Chain	47d, 17
(Litters) portable	30e, 1
Wheeled	30e, 2
Trouser	34l, 31

	Classification.
<b>Stretching apparatus for curative gymnastics.</b>	30f, 3
Apparatus for fleshing and depilating machines	28b, 2
For hides, (tanning)	28a, 12
Leather	28b, 4-7, 27
Devices for laundry	8d, 16
Transverse, for braid	8b, 11
<b>Frames and machines for leather belts.</b>	28b, 21
Fabric	8b, 2
For painters' canvases	75c, 18
Hide	28b, 7
Lasts for shoes	71c, 4
Machines, curtain	8d, 16
Fabric	8b, 10
Sheet metal	7a, 1, 9
Wire	7d, 5
Screws for ropes, cables, etc.	47d, 12
<b>Striking mechanism for mechanical players.</b>	51d, 12-17
Mechanism for timepieces	83a, 53-63
Count-wheel	83a, 53
Electric	83b, 6
Quarter hour	83a, 59
Repeating	83a, 59
Worm and rack	83a, 54
Surfaces for matches	44b, 28
Traps	45k, 8
<b>String holders for stringed instruments.</b>	51c, 6
Plates for pianos	51b, 2
<b>Stringed-instruments, bowed.</b>	51c, 1-12
Bowed, mechanical	51d, 24
Changing pitch of	51c, 22
Generally, arrangement and fastening of strings	51c, 21
Plucked	51c, 13-20
Stringers, iron	19a, 4
Stringing green beans, apparatus	45e, 45
Pianos	51b, 13
<b>Strings for musical instruments.</b>	51b, 13; 51c, 6
Covering	25c, 1
Striping textiles (dyeing in stripes)	8a, 4
Stripping apparatus, ingot	31c, 31
Apparatus for sheet-metal and tube working	7c, 18
Films and papers, photographic	57b, 3
Tobacco	79a, 3
Vegetable-stalks	29a, 2
<b>Strips, lighting, chemical.</b>	78f
Perforated, for printing-telegraphs	21a, 12
Protective, for corners of masonry	37b, 5
Transmitting, perforated, making	21a, 7
Stroboscopes	57a, 35
Stroke-counters	42p
<b>Strontium compounds.</b>	12m, 1, 2
Preparation	40a, 47
Electrolytic	40c, 5, 6
Processes for extracting sugar from molasses	89h, 4
<b>Strops, razor.</b>	67c, 5
Structural elements of every kind	37a-d
Structures, agricultural	37f, 2
For games and sports	37f, 1
For various purposes	37f
Studios, photographic	57c, 1
Studs (buttons)	44a, 18
Stuff-chests for paper-making	55d, 14
Treating paper-pulp in	55d, 27
Stuffing animals (taxidermy)	45l, 1
Box packings	28a, 8; 47f, 24-26
Boxes	14a, 16; 17a, 9; 47f, 23-26; 59b, 2
As machine elements, including packings	47f, 23-26
For centrifugal pumps	59b, 2
For refrigerating-machines	17a, 9
For steam-engines	14a, 16
Lubricating	47e, 11
Machines, sausage	66b, 11
<b>Stunning animals to be slaughtered, apparatus for.</b>	66a, 1, 2
Stuttering, means for curing	30d, 5, 20
Subaqueous foundations	84c, 2
<b>Submarine and submersible vessels for underwater work.</b>	65a, 5
Boats	65a, 4, 5

	Classification.		Classification.
<b>Submarine mines and mining</b> .....	65d, 9	<b>Sulfuring</b> casks, etc., apparatus for .....	6f, 2
Torpedo boats.....	65a, 4	Sulfurous acid.....	12i, 21
Subsoil-plows.....	45a, 11	Sulfuryl chlorid.....	12i, 20
Substructures for railways.....	19e	Sun dials.....	83a, 30
Subways.....	20a, 15	Heat of, utilizing for production of power.....	46d, 11
Electric.....	20k, 1	Shades.....	33a, 1-10
Equipment.....	20l, 30	For horses.....	45h, 8
Successive-lift water-raising by compressed air.....	59c, 5	Sunken ships, raising.....	65b, 3
Sucking appliances for young stock.....	45h, 6	Superheated-steam engines.....	14g, 6; 14h, 4
Suction apparatus, medical and surgical.....	30k, 1	Superheaters in or on steam-engines.....	14h, 4
Batteries (sugar-making).....	89d, 6	In or on steam-turbines.....	14c, 9
Caps for suspending articles for display purposes.....	54g, 12, 22	Steam.....	13d, 2-11
For suspending articles in dwellings.....	34f, 3	Superphosphates.....	12i, 30; 16, 1
Devices for predrying textile materials.....	8b, 1	Supervision, switch and signal.....	20l, 13
For seeding-machines.....	45b, 16	Supply channels for water-power plants.....	84a, 6
Draft appliances for furnaces.....	24i, 5	Spools for spinning and twisting frames.....	76c, 8, 19; 76d, 4
Overflow-weirs.....	84a, 3	<b>Supporters, bust</b> .....	3a, 14
Pump excavators.....	84d, 4	Hose.....	3a, 11
<b>Sugar, analyzing</b> .....	89c; d	Skirt.....	3b, 18
Assorting machines.....	89g, 2	<b>Supporting frames for skaters</b> .....	77b, 14
Beet cutting machines.....	89b, 1	Planes for flying-machines.....	77h, 5, 7
Presses.....	89c, 8	Plates for girders.....	37b, 5
Washing machines.....	89a, 1	<b>Supports, adjustable, for drawing</b> .....	70e, 6
Boilers.....	89e, 1-3	Anode.....	48a, 4
Cane mills.....	89b, 2	As structural elements.....	37b, 3
Planting machines.....	45b, 22	Collar.....	3b, 2
Presses.....	89c, 8	Foot, for fitting shoes.....	54g, 18
Cleansing.....	89d, 5, 6; 89f, 1	For bridges.....	19d, 3
Crystals, washing out.....	89d, 7	For clock-movements.....	83a, 43
Cutting machines for bulk treatment.....	89g, 1	For cycles.....	63f, 1-3
For household use.....	34b, 5	For potted plants.....	45f, 8
Drying.....	89d, 11	For small-arms.....	72a, 30
Extracting.....	89a-i	Head, for bath-tubs.....	34k, 4
Centrifugal apparatus for.....	89f	Hose.....	3a, 11
From molasses.....	89h, 1-7	Orthopedic.....	30d, 4
Grape.....	89i, 1	Plaster.....	37a, 3
Invert.....	89i, 2	Plate, for glass-rolling.....	32a, 21
Juice, concentrating and evaporating.....	89d, 1	Vehicle, to take the load off the tires.....	63b, 43
Crystallizing.....	89d, 2	<b>Suppositories</b> .....	30k, 19
Extracting.....	89c, 10	<b>Surface carbonizing of iron</b> .....	18c, 3
Loaf.....	89d, 8	Carbureters for gas-engines.....	46c, 9
Malt.....	89i, 2	<b>Combustion (flameless) in connection with gas-burners</b> .....	4g, 55
Measuring and sampling.....	89c, 16	(Flameless) in gas-furnaces.....	24c, 1
Milk.....	89i, 2	Stone compositions for.....	80b, 8, 18
Molding and pressing.....	89d, 9	Condensers for steam-engines.....	14g, 13; 17d, 1
Packing, machines for.....	89g, 2	Evaporators, (sugar-making).....	89e, 1
Potato.....	89i, 1	Measures.....	42c, 12
Refined, preparing in form of sugar-loaves.....	89d, 8	Measuring machines.....	42c, 13
Refining.....	89d, 5-8	Of metal articles, cleaning by chemical means.....	48d, 2
Synthetic derivatives.....	12o, 6	Ornamentation.....	75b, 1-14
Works, measuring devices for.....	42l, 12	Apparatus and machines for.....	75a, 1-5
<b>Sulfates, alkali</b> .....	12i, 5	Of textiles.....	8n, 5-8
Thio.....	12i, 22	<b>Surgery</b> .....	30a, 8-19
Sulfid, zinc, as a pigment.....	22f, 5	Dental.....	30b, 1-9
Sulfids.....	12i, 18, 19	Veterinary.....	30c
Sulfites.....	12i, 21	Surveying, geodetic, apparatus for.....	42c, 8, 9
Alkali and earth alkali.....	12i, 21	Underground, apparatus for.....	42c, 11
Hydro.....	12i, 22	Surveyors' instruments.....	42c, 10
Sulfo-acids, amino.....	12q, 36	Suspended cableways.....	20a, 12
Anilin.....	12q, 6	Cupboards.....	34i, 22
Di- and poly-aminooxynaphthalene.....	12q, 36	Railways.....	20a, 11, 12
Oxynaphthalene.....	12q, 26, 28	Swings.....	77e, 11
Generally.....	12o, 23	Ways with rigid tracks.....	20a, 11
Naphthol.....	12q, 25, 27	Suspender-buckles.....	3b, 17
Naphthylamin, di and poly.....	12q, 8	Suspensers.....	3b, 17
Mono.....	12q, 7	Suspension bridges.....	19d, 4
Of di- and tri-arylmethane dyestuffs.....	22b, 16	Devices for billiard-cues.....	77c, 13
<b>Sulfur</b> .....	12i, 17	For church-bells.....	37d, 29
Compounds containing chlorin.....	12i, 20	For clocks.....	83a, 44
Organic.....	12o, 23, 24	For cycles.....	63f, 5
Dyes, dyeing textiles with.....	8m, 8	For electric-arc lamps.....	21f, 22-24
Dyestuffs.....	22d	For electric wires.....	21c, 13
Nitrogen rings.....	12p, 4	For incandescent bodies (mantles) fitted to lamp.....	4a, 26
Rendering harmless in fuel.....	10b, 8	Fitted to mantle.....	4f, 1
Separating from pig-iron.....	18b, 2	For kitchen utensils.....	34l, 24
In production of ingot-iron.....	18b, 9		
Sulfureted hydrogen.....	12i, 18		
Sulfuric acid.....	12i, 23-25		
Anhydrid.....	12i, 24		



	Classification.
<b>Suspension devices for lamps</b> .....	4a, 25-31
Devices for lanterns .....	4a, 46
For meat .....	66b, 13
Of motors in electric railways .....	201, 21
In motor-vehicles .....	63c, 19
Of trolley-wires .....	20k, 9
Railways .....	20a, 11, 12
Electric .....	20k, 1
Operating mechanism .....	201, 30
Tracks .....	19a, 23
Suspensories .....	30d, 15
Suture materials and methods of storing .....	30a, 8
Swage-rollers .....	7f
Swages, bending .....	49f, 8-10
For forging spiral drills .....	49g, 7
Forging .....	49f, 1-4; 49g
For stamping and pressing sheet metal and tubes .....	7c, 14, 18
Perforating .....	49b, 20
Pressing .....	49e, 8, 9; 49g
Punching .....	7c, 10-18
Shaping .....	31c, 25
Welding .....	49f, 18
Sweat-bands for head-coverings .....	41b, 2
Sweep-tables for ore and fuel dressing .....	1a, 12
Sweepers .....	9, 2
Sweeping-machines, carpet .....	34c, 8
Floor .....	34c, 5
Lawn .....	45c, 26
Street .....	19b, 1
Sweet oils .....	53h, 1, 2
Swimming, apparatus for teaching .....	77a, 15
Appliances for life-saving service .....	65a, 74
Generally .....	77a, 14, 15
Baths, equipment .....	36e; 85c, d
Producing waves in .....	37f, 3
Structural arrangements .....	37f, 3
Bladders .....	65a, 68
Fins, artificial .....	77a, 14
Frames .....	77a, 15
Gloves .....	77a, 14
Pools, equipment .....	36e; 85c; d
Producing waves in .....	37f, 3
Structural arrangements .....	37f, 3
Shoes .....	77a, 14
Toys .....	77f, 21
Swing bridges .....	19d, 4
Plows .....	45a, 8
Swinging apparatus for plate-glass blowing .....	32a, 10
Apparatus for rock-drilling and cutting machines .....	5b, 15
Boats .....	77e, 17
Door closers .....	68d, 3, 5
Doors .....	37d, 18
Checks for .....	68d, 12
Swings, children's .....	34h, 4
Cradle, rolling, tilting, etc .....	77e, 12
Russian, (swinging boats) .....	77e, 17
Suspended .....	77e, 11
Switch apparatus for elevators .....	35a, 25
Boards, electric .....	21c, 27
Portable, for motor-tests .....	42k, 29
Gear for electric clocks .....	83b, 3
For telegraphs .....	21a, 4
Levers for motor-cars .....	63c, 13
Locks .....	20i, 6
Mechanism, railway .....	20i, 1-14
Movements .....	20i, 5
Operating mechanism .....	20i, 1, 2, 10, 11
Signals .....	20i, 14
Supervision .....	20i, 13
Tongues .....	20i, 8
Yards .....	20a, 1
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Tilting apparatus for casks for liquor-handling purposes	64c, 46	Cheewing, chemical features	79c, 1
Apparatus for casks for transportation	81e, 35	Mechanical features	79a, 7
For liquor-dispensing bottles	64c, 15	Cleaning, chemical features	79c, 1
Bottoms in water-closet bowls	85h, 13	Mechanical features	79a, 2
Or tipping plows	45a, 24	Cutting machines	79a, 4
Timber platforms for foundations	84c, 2	Flattening machines	79a, 3
Timbering, gallery and shaft	5c, 4	Making into cigars and cigarettes	79b
Time balls	74d, 10	Moistening	79a, 5
Beaters and indicators, (metronomes, batons, etc.)	51e, 1	Packing	81a, 1
Controlled alarm devices	74a, 18, 25	Paper	79c, 1
Cookers	34l, 6	Pipe holders	44b, 8
Lighting and extinguishing of gas-lamps	4d, 17	Pipes	44b, 1-11
Mechanism for cooking apparatus	34l, 8	Artificial coloring by smoking, (meer-schaum pipes)	44b, 8
Switches, electric	21c, 40	For bee-raisers	45h, 16
Fuses for projectiles	72i, 1, 2, 4	Narghile type	44b, 6
Locks	68a, 34	With means for feeding the tobacco	44b, 7
Pieces, (see also Clocks and watches)	83a-c	Pouches and other receptacles	44b, 20
For ascertaining time by touch	83a, 17	Presses	79a, 1
For the blind	83a, 17	Raw, converting into smoking-tobacco	79a, 2
Illuminated	83a, 18	Smoke, chemical treatment	79c, 2
Recording and registering apparatus	43a, 25-36	For production of smoke images and rings	44b, 11
Regulating devices for time-fuses	72i, 2	Smoking, chemical features	79c, 1
Stamps with automatic shifting mechanism	43a, 35	Mechanical features	79a, 2
Switches, electric	21c, 40	Stripping	79a, 3
Tables	42n, 13	Tampers	44b, 10
Tin alloys, electrolytic preparation	40c, 14, 15	Twisting machines	79a, 6
Boxes for packing purposes	81c, 12	Toboggan-courses	77b, 20
For various purposes	35b, 10	Toe cap protectors	71b, 12
Cans	64a, 56-64	Caps	71a, 31
Making	7c, 7-9	Stiffeners	71a, 31
Soldering	49f, 16	Weights for the care of hoofs	45i, 16
With clamped-on lids, opening devices for	64a, 7	Toggle-lever presses for clay articles	80a, 10
Coating metal articles with	48a, 6; 48b, 7	Toilet accessories	33c
Compounds	12n, 9	Cabinets	34i, 18
Extracting	40a, 44	Cases	33c, 12; 34l, 22
By electrolytic means	40c, 10	Requisites, coin-controlled	43b, 52
Molds for baking	2a, 13	Sponges	34k, 3
Plate, detinning	40a, 44	Tables	34i, 7
By electrolytic means	40c, 10	Tolidin	12q, 1
Tip-cars for railway-service	20c, 15, 16	Toluidin	12q, 1, 3
Tipplers, circular movement	81e, 21	Tombs	37f, 9
Rotary	81e, 21	Tombstones	37f, 7; 80b, 17
Tipping apparatus for wagons	81e, 22	Molding	80a, 45
Grates	24f, 7-9	Tone arms of talking-machines	42g, 14
Platform traps	45k, 6	Modifying apparatus for pianos	51b, 32
Swings	77e, 12	Recording apparatus	51e, 4, 5
Tips for billiard-cues	77c, 12, 13	Tongs, generally, (see also Pliers and tongs)	87a, 16
		Glass-molding	32a, 25, 26
		Table	34f, 12
		Tongue buckles	44a, 28
		Holders and scrapers for medical use	30a, 7
		For veterinary use	30c, 3

	Classification.		Classification.
<b>Tonguing and grooving machines, (woodwork- ing)</b> .....	38b, 5, 8; 38e, 6	<b>Towing, motor-cars for</b> .....	63c
<b>Tool boxes</b> .....	87d, 3	Railways.....	20a, 14
<b>Grinding machines</b> .....	67a, 1-5	Electric.....	20k, 2
<b>Holders for dental machines</b> .....	30b, 2	Operating mechanism for.....	20l, 30
For metal lathes.....	49a, 25	Tracks for.....	19a, 23
For metal planers and slotters.....	49b, 10	<b>Ships</b> .....	65a, 53, 54
<b>Rests</b> .....	49a, 18	Systems.....	20a, 14
Curve-forming.....	49a, 10	Electric.....	20k, 2
<b>Tools, auxiliary, for forging-machines</b> .....	49f, 4	<b>Toy engines</b> .....	77f, 17, 18
Auxiliary, for woodworking.....	38e, 1-5	Engines, appurtenances for.....	77f, 19
Combination.....	87c	Figures, (rocking-horses, etc.).....	77f, 14
For connecting driving-belts.....	63a, 1	Climbing.....	77f, 13
For metal planers and slotters.....	49b, 10	In connection with talking-machines.....	42g, 19
For piano-building.....	51b, 43	With walking, rolling, etc., movements.....	77f, 13
For putting balls in bearings.....	47b, 12	<b>Firearms</b> .....	77f, 24
For screwing in bung-hole and tap-hole bush- ings.....	64c, 45	<b>Guns</b> .....	72b, 2, 4, 5; 77f, 24
For tilting girders.....	87a, 22	<b>Parachutes</b> .....	77f, 25
For track-laying.....	19a, 28	Pistols.....	72b, 5
Form changing.....	87b	<b>Trumpets</b> .....	51c, 26
Generally.....	87a-d	<b>Vehicles, including details</b> .....	77f, 16
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Metal-working.....	49b; c	Blowing, wind and air-pressure.....	77f, 28
Miners'.....	5b, 1-11	Building.....	77f, 23
Molding.....	31c, 7	With tools— <i>e. g.</i> , apparatus for molding and casting.....	77f, 23
Pneumatic.....	5b, 4; 30b, 1; 87b, 2	Color.....	77f, 26
Rotary, for metal-working lathes.....	49a, 25	Conjuring.....	77f, 31
Turning, for lathes.....	49a, 25	Drawing and painting.....	77f, 26
Universal.....	87c	Electric and magnetic.....	77f, 27
Watchmakers'.....	83c	Flying.....	77f, 28
Woodworking.....	38a-k	Hurling and slinging.....	77f, 24
<b>Tooth brushes</b> .....	9, 21	Musical.....	51d, 23; 77f, 5, 6
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Cutting instruments.....	30b, 4	On baby-carriages.....	63b, 53
Machines.....	30b, 1	Puzzle.....	77f, 31
Filling materials.....	30b, 12	Rowing.....	77f, 20
Pastes and powders.....	30b, 13	Smoke.....	77f, 29
<b>Toothpick-holders</b> .....	34f, 17	Soap-bubble.....	77f, 29
<b>Toothpicks</b> .....	30b, 18	Surprise.....	77f, 31
Making.....	38i, 3	Wind-pressure.....	77f, 28
<b>Tooth-powder containers</b> .....	33c, 12	With mechanically-moved figures.....	77f, 15
<b>Toothed wheels, generally, (See also Gear- wheels)</b> .....	47b, 23	<b>Trace buckles</b> .....	56a, 2, 22-25
<b>Top boots</b> .....	71a, 4	Straps.....	56a, 22-25
Games.....	77d, 16	Fastening to collars.....	56a, 6
<b>Toppers for beet-lifters</b> .....	45c, 19	To whiffletrees.....	63b, 22
<b>Tops for motor-vehicles</b> .....	63c, 22	Supports on harness.....	56a, 25
For perambulators.....	63b, 49	<b>Tracing apparatus</b> .....	42a, 18
For road-vehicles.....	63b, 3	Apparatus, photographic.....	57c, 10, 11
Spinning.....	77f, 1-4	Cloth.....	8k, 3
Air-propeller.....	77f, 1	Paper.....	55f, 15
Color.....	77f, 4	<b>Track ballast</b> .....	19a, 1
Musical.....	77f, 4	Brakes and sanded sidings.....	20h, 4
<b>Torches</b> .....	4a, 36	Clearers.....	20d, 33
<b>Torpedo boats, propulsion</b> .....	65f	Cycles by conversion of ordinary cycles.....	63h, 11
Boats, submarine.....	65a, 4	Laying machines.....	19a, 27
Launching apparatus.....	65d, 7	Locks.....	20h, 5; 20i, 6
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<b>Torpedoes</b> .....	65d, 1-7	Measuring devices.....	19a, 29
Aerial.....	77h, 15	Platforms for weighing apparatus.....	42f, 10, 11
Blasting.....	78e, 5	Scales.....	42f, 10
Steering from a distance by electric waves.....	65d, 3	Guide-rails and shock-absorbers for.....	42f, 11
<b>Tortoise-shell</b> .....	39a, 1	Section circuit-closers.....	20i, 31
<b>Totalizers</b> .....	43a, 22	Shifters for dredges and excavators.....	19a, 28
<b>Tow-paths</b> .....	84a, 2	<b>Tracks, centrifugal, etc., for amusement pur- poses</b> .....	77g, 7, 10
<b>Towel drying and heating devices</b> .....	34k, 3	Dredger-building, shifting.....	19a, 28
Holders.....	34k, 3	Easily removable.....	19a, 24
<b>Towers, coal draining and drying</b> .....	1a, 10	For cableways.....	19a, 23
Collapsible.....	37f, 4	For cross-country and forest railways.....	19a, 24
Observation, for military purposes.....	37f, 4	For inclined roads.....	19a, 23
Portable, for fire-extinguishing purposes.....	61a, 2	For narrow-gauge and mine-hauling systems.....	19a, 20-24
Scaffolding for climbing.....	37e, 6	For road-vehicles.....	19a, 25
Structural arrangements.....	37f, 4, 7	For special railway systems, (single rail, ele- vated, etc.).....	19a, 23
Water.....	37f, 3	For towing-roads.....	19a, 23
<b>Towing, chain</b> .....	65a, 52	Generally.....	19a
Electric, motors for.....	20l, 21	<b>Tractors, caterpillar</b> .....	63c, 17
Generally.....	65a, 53, 54	For plows.....	45a, 21, 22
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	Classification.		Classification.
<b>Train control for electric roads</b> .....	20i, 36	<b>Traveling bags</b> .....	33b, 1
Control in stations .....	20i, 41	Baskets .....	33b, 7, 8
With coöperation of train .....	20i, 30-45	Beds .....	34g, 15
Lighting .....	20c, 27, 28; 20l, 3; 21c, 45	Cases .....	33b, 2
Oil, purifying .....	23a, 3	Chairs .....	34g, 6
Protection with coöperation of train .....	20i, 30-45	Cookers .....	34i, 9
Generally .....	20i, 1-29	Crabs for cranes .....	35b, 1
Staff-locking means .....	20i, 42	Cups .....	33d, 4
Training and taming animals .....	45h, 9	Furniture .....	34g, 6, 15; 34i, 5, 19
Apparatus, athletic .....	77a, 27	Grates .....	24f, 15
Guns, machines for .....	72f, 10-12	Lanterns .....	4a, 41
Saddle and draft animals, devices for .....	56a, 26	Requisites .....	33a-d
Trains, dress, holders and fasteners for .....	3b, 19	Rugs .....	3b, 3
Transfer paper .....	55f, 15	Tables .....	34i, 5
Pictures, applying to surfaces .....	75b, 6	Wardrobes, (wardrobe-trunks) .....	34i, 19
Producing by painting .....	75c, 5	Traversers for railway-cars .....	20g, 4
By printing .....	15k, 8, 9	Tray-burners .....	4g, 8
Printing .....	15b, 1; 15k, 1, 3	Trays, serving .....	34f, 21
Processes .....	15k, 1	Trunk .....	33b, 6
Tables for railways .....	20g, 3	Treadmills .....	45d, 5
Transferring apparatus, gas .....	12f, 2	Tread-wheels .....	45d, 5
Apparatus, inflammable liquid .....	81c, 38	Treadle bars for train protection .....	20i, 32
Designs by hot irons .....	15k, 7	Lever change-gearing .....	47h, 1
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Transformer connections and operation .....	21d, 49	Lever .....	63k, 4-6
Transformers, booster .....	21d, 49	Treadles for train protection .....	20i, 32
Electric .....	21d, 48, 49	Tree bands and clamps .....	45f, 14
High frequency .....	21a, 71	Calipers .....	42b, 13
For igniting apparatus .....	46c, 14	Cleaning hooks, foresters' .....	45f, 4
Measuring .....	21e, 25	Felling apparatus .....	45f, 17
Regulating devices for .....	21c, 54-56	Holders .....	45f, 14
For arc-lamps .....	21f, 11	Props .....	45f, 15
For incandescent lamps .....	21f, 63	Protecting bands .....	45k, 5
Generally .....	21d, 49	Protection .....	45f, 11
Structure .....	21d, 48	Pruning shears .....	45f, 18
Transfusion instruments .....	30k, 1, 3	Pulling machines .....	45f, 17
Transshipping apparatus .....	81e, 24	Trees, uprooting by blasting .....	78e, 1
For railway operation .....	20g, 7	By mechanical means .....	45f, 17
For use between two ships .....	65a, 81	Trellises for hops, fruit, and grape-vines .....	45f, 13
Transition or combination car-couplings .....	20e, 14	Tremblers (interrupters) for igniting apparatus .....	46c, 14
Transmission apparatus for engines .....	60, 1, 15, 20	Tremulous mechanism for zithers .....	51c, 17
Gearing for water under pressure .....	47h, 22	Trepans .....	30a, 9
Telephonic, for theatrical productions .....	21a, 37	Trephines .....	30a, 9; 30b, 4
Transmitters, telegraphic .....	21a, 3	Trestles .....	37e, 3
Transmitting photographic pictures to a distance .....	57d, 10	Triangles, (musical instruments) .....	51c, 38
Pictures to a distance by copying-telegraphs and selenium cells .....	21a, 2, 5, 50	Triarylmethane dyestuffs .....	22b, 10-17
Strips, perforated, making .....	21a, 7	Triazines .....	12p, 10
Systems for wireless telegraphy .....	21a, 67	Triazoles .....	12p, 10
Transparencies .....	75d, 2	Trickling (stream) condensers .....	17d, 3
Porcelain, etc .....	80b, 21	Coolers .....	17e, 1-3; 17f, 3
Transporting apparatus (trucks, etc.) for railway-cars .....	20g, 4	Evaporators for sugar manufacture .....	89e, 1
Foodstuffs, vehicles for .....	63b, 35	Generally .....	12a, 2
With special arrangements for preserving .....	53a	Tricycle brakes .....	63i
Ice-cream and ices, receptacles for .....	17b, 6	Driving mechanism .....	63k, 1-21, 28-36
Invalids, means for .....	30e, 1-4, 9	Tricycles and polycycles .....	63h, 10
Liquid and solid substances, vehicles for .....	63b, 35	Motor .....	63c, 4
Live fish, vehicles for .....	45h, 18	Trigger action of firearms, controlling .....	72a, 26
Transposers for pianos .....	51b, 21	Mechanism of small-arms .....	72a, 25
Transverse cutters for fabric breadths .....	8f, 8	Trihedral binocular glasses .....	42h, 12
Cutters for paper-making machines .....	55e, 9	Trimmers, brick .....	80a, 40
Folding machines for fabric breadths .....	8f, 5	Fabric and wall-paper .....	8f, 10
Stretchers for braids .....	8b, 11	Paper, for making narrow and beveled cuts .....	11b, 8
For paper webs .....	55e, 7	Trimming (cutting) devices on sewing-machines .....	52a, 51
Traps, animal .....	45k, 1-3, 6-9	Machines, paper .....	11b, 1-8
Animal, box and trap-door .....	45k, 7	Triphenylmethane dyestuffs .....	22b, 10-17
Continuously operating .....	45k, 6	Triple mirrors .....	42c, 17
Gripping, impaling, and striking .....	45k, 8	Tripods for measuring instruments, feet and heads of .....	42c, 2
Miscellaneous .....	45k, 9	For photographic purposes .....	57a, 10
Tipping platform .....	45k, 6	Trocars (trochars) .....	30a, 17
Burglar, for safes .....	68e, 5	For veterinary surgery .....	30c, 1
Dust, for gas-conduits .....	4c, 17	Trolley current-collectors .....	20l, 8
Fly .....	45k, 1	Trolleys for stores and warehouses .....	81e, 39
Gas-water .....	4c, 17	Tropin .....	12p, 13
Insect .....	45k, 1, 2	Trough burners .....	4g, 8
Sand, for inlet-shafts and catch-basins .....	85e, 9	Conveyers .....	1a, 28; 81e, 15, 16
Steam .....	13d, 12-25	Presses for fabrics .....	8b, 18
Travelers' table utensils .....	33d, 8	Shaped tip-cars for railway-service .....	20c, 16

	Classification.		Classification.
<b>Troughs, baking</b> .....	2b, 11	<b>Tube</b> , continuous, for making paper and	
Conveying, for sugar-beets, etc. ....	89a, 3	paper-board tubes .....	54c, 2
Feed .....	45h, 4, 5, 14	Of special shapes, making .....	7b, 15-20
Meat .....	66b, 14	Tubs, butter, for transportation .....	81c, 5, 6
Shaking .....	81e, 15	Tubular fabrics, finishing processes .....	8b, 30
Watering .....	45h, 5	Furnaces for zinc distillation .....	40a, 38
<b>Trouser bands</b> .....	3b, 23	Postal system boxes .....	81e, 40
Protectors and shields, including those at-		Systems .....	81e, 40-44
tached to shoes .....	3b, 20	Rotary kilns .....	80c, 14
Pullers .....	341, 24	Slide-valves .....	47g, 14, 25
Straps .....	3b, 24	Standard heads for electric conductors .....	21c, 10
On shoes .....	71a, 32	Valves for valve-gears .....	14e, 3, 4
Stretchers .....	341, 31	Wells .....	85d, 1
<b>Trousers</b> .....	3b, 5	<b>Tuckers for sewing-machines</b> .....	52a, 53
<b>Trowels, garden</b> .....	45a, 5	<b>Tufted pile carpets</b> .....	25d, 2
Masons' .....	37d, 40	Pile fabrics .....	86d, 2
<b>Trucks, bogie, for railway-service</b> .....	20c, 12	<b>Tulle</b> .....	25b, 14
For railway-cars .....	20d, 1-4	<b>Tumblers, drinking</b> .....	64a, 3
Hand .....	63b, 38, 39	Lock .....	68a, 75
Hook and ladder .....	61a; 63b	<b>Tungsten compounds</b> .....	12n, 10
Hose .....	45f, 19; 61a, 15	Filaments .....	21f, 32
<b>Trumpets, ear</b> .....	30d, 23	Preparation .....	40a, 46
For fleece-dividers .....	76b, 24	Rendering ductile .....	40a, 46
Musical .....	51c, 24, 25	Wire, making, for electric-lamp filaments .....	21f, 32
Toy .....	51c, 26	Generally .....	7b, 6
<b>Trunk beds</b> .....	33b, 8; 34g, 15	<b>Tuning devices for high-frequency apparatus</b> .....	21a, 71
Fasteners and locks .....	33b, 11, 12	Devices for pianos .....	51b, 13-16
Tables .....	34i, 5	For stringed instruments .....	51c, 22
Trays .....	33b, 6	Forks .....	51e, 2
Wardrobes .....	34i, 19	Hammers or keys .....	51i, 13
<b>Trunks</b> .....	33b, 5-8	Pegs for stringed instruments .....	51c, 8
Material for sides .....	33b, 5	Pins for pianos .....	51b, 14, 15
Plates for .....	33b, 5	<b>Tunnel construction in mining</b> .....	19f, 1
Wardrobe .....	33b, 8	Construction in street and railway building .....	19f, 2
Wooden, making .....	38d, 2	Driving, lining, and timbering .....	5c, 4
<b>Trusework, iron</b> .....	37a, 4, 5; 37b, 3; 37f, 4	Scaffolding .....	37e, 11
Reinforced concrete .....	37a, 4, 5; 37b, 3	Signals .....	20i, 39
<b>Trusses, (hernia-belts)</b> .....	30d, 7, 8	<b>Tunnels, under water</b> .....	84c, 5
(Structural elements) .....	37b, 3	<b>Turbine blades</b> .....	14c, 1-5; 46d, 10; 88a, 1-5
<b>Tubbing for shaft-lining</b> .....	5c, 4	Blades, fastening .....	14c, 10
<b>Tube bending</b> .....	49f, 9	Making .....	49f, 7
Boilers, water .....	13a, 6-18	Propeller blades .....	65f, 4
Cleaners for steam-boiler tubes, condensers,		Pumps .....	59b
and coolers .....	13e	<b>Turbines, action, steam</b> .....	14c, 4
Connections for cycle-frames .....	63h, 5	Action, water .....	88a, 4
Cutters, glass .....	32a, 33	Compressed air .....	46d, 5
Drawing .....	7b, 12	Explosion and gas .....	46d, 10
Filling and closing machines .....	81a, 2	Impulse, water .....	88a, 4
Making processes .....	7b, 14	Reaction, steam .....	14c, 5
Plating .....	49f, 5	Water .....	88a, 5
Welding furnaces .....	7b, 7	Screw, steam .....	14c, 3
Machines .....	7b, 7	Steam .....	14c
Working .....	7c	For driving various machines .....	14c, 12
<b>Tubes, fastening, generally</b> .....	47f, 1	Water .....	88a, 1-9
Flexible .....	47f, 5	<b>Turkish-red oil</b> .....	23c, 2
Flue .....	13a, 2	<b>Turn buttons for windows</b> .....	68b, 12
Cleaning .....	24g, 4	Styles .....	37d, 37
For electric wires .....	21c, 18, 19	Coin-controlled .....	43b, 55
Geissler .....	21f, 85	With counting and printing mechanism .....	43a, 42
Lengthwise rolling .....	7a, 12	With ticket dispensing and punching or	
Lining with glass .....	32b, 10	stamping devices .....	43a, 42
Making by casting .....	31c, 19	<b>Tables for landing of airships</b> .....	37f, 8
By galvanoplastic processes .....	48a, 7	For locomotives and cars, including those of	
By rolling .....	7a, 12-14	suspension, cable, and rack-rail roads .....	20g, 1, 2
By welding .....	7b, 7, 9	<b>Turners, hay</b> .....	45c, 36
Generally .....	7b, 7-14	Leaf .....	70d, 9
Of clay .....	80a, 27, 33	Music .....	51e, 9-12
Of paper or paper-board .....	54c, 1, 2	Malt .....	6a, 8
Mixing, for burners .....	4g, 25, 51	<b>Turning apparatus for molding-boxes</b> .....	31c, 8
Paint, etc. ....	81c, 15	Apparatus on cut-nail machines .....	7e, 11
Making of sheet metal .....	7c, 26	Horn, ivory, etc. ....	39a, 1, 2
Ribbed as machine elements .....	47f, 3	Lathes, (see also Lathes) .....	49a, 1-26
For central heating systems .....	36c, 9	For spherical turning .....	49a, 4
For coolers .....	17f, 11	Vertical .....	49a, 2
Making .....	7b, 16	Machines, shoe .....	71c, 47
<b>Röntgen ray</b> .....		Sacks, apparatus and machines for .....	8e, 4
21g, 15-18; 30a, 6; 30f, 18; 43b, 48; 57b, 12		Tubular fabrics, machines for .....	8b, 9
<b>Steam-boiler, fastening and packing</b> .....	13f, 1	Wood .....	38b, 6
		<b>Turpentine, preparation</b> .....	23a, 6



	Classification.
Turrets, armored	72g, 3
Twine holders, including those fitted with cutting devices	341, 33
Making	73, 2
Polishing	73, 7
Reels	341, 33
Twist-drills for metal-working	49a, 42
Twisting frames, apparatus for putting on bobbins	76c, 26
Frames, fly	76c, 2
For fancy yarn	76c, 9
Ring	76c, 5, 6, 10, 11, 13-17
Mechanism for braiding and lace-making machines	25b, 5
Spindles	76c, 4
Tobacco, machines for	79a, 6
Two-cycle internal-combustion engines	46a, 12-19
Twyers for Bessemer furnaces	18b, 19
For blast furnaces	18a, 5
For forges	49f, 5
Type band type-writers	15g, 13
Bar type-writers	15g, 12
Cases, desks, and stands for hand type-setting	15a, 7
Casting	15a, 23-29
Machines	15a, 25
Characters	15a, 1, 11
Compositions, plastic	39b, 8
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Dressing machines	15a, 27
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Cushions	15g, 45
Operating devices on type-writers	15g, 25
Segments	15g, 45
Type-writers	15g, 1
Metal, casting	31c, 25, 26
Pigments	22f, 10
Plate type-writers	15g, 10
Printing telegraphs	21a, 11, 15, 17-19
Rod type-writers	15g, 11
Seats for form-cylinders	15d, 26
Setters' implements	15a, 10
Setting and type-distributing	15a
Apparatus, hand	15a, 13
Chases	15a, 5
Machines	15a, 14, 17, 18, 22
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Stamping machines	15a, 19
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Typewriter copy-holders	15g, 46
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Book	15g, 15
Cipher, means for printing and translating	15g, 20
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Duplicating	70d, 13
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Locking devices	15g, 45
Manifolding devices	15g, 45
Manuscript	70d, 13
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Feed	15g, 35
Phonograph	42g
Pneumatic	15g, 21
Printing-point indicators	15g, 45
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Type, sound-deadening appliances	15g, 45
Stenographic	15g, 18
Tabulating	15g, 16
Telegraphic	21a, 16
Type-lever guides	15g, 45
With calculating mechanism	42m, 10
With electric driving mechanism	15g, 23
With type-levers	15g, 2-5
Writing accents and other supersigns, means for	15g, 45
Typographic machines	15a, 17
Ultramarine	22f, 8
Umbrella carriers	33d, 11
Cases	33a, 4
Crowns	33a, 2
Fasteners	33a, 3
Frames and ribs	33a, 1
Making of wire	7d, 12
Holders as traveling requisites	33d, 11
In connection with trunks	33b, 13
In railway-cars	20c, 44
To be fastened to trees, furniture, etc.	34f, 23
Ribs	33a, 1
Runners	33a, 2
Stands	34f, 23
Stools	33a, 14
Umbrellas and parasols	33a, 1-11
For cycles	63g, 11
Garden	33a, 8
Uncoupling railway-cars, apparatus for	20e, 19
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Underframes for current-collectors of electric railways	20l, 11
For motor-cars	63c, 21
For perambulators	63b, 48
For railway-cars	20d, 1, 5, 29-31
For street-cars	63b, 10, 12
For suspended railway-cars	20d, 1-5
For tables	34f, 7
Underground surveying for mining	5d, 8; 42c, 11
Underpads for saddles	56b, 6
Underskirts	3a, 8
Underwater tunnels	84c, 5
Underwear	3a, 8
Unhitching runaway horses, devices for	56a, 18
Devices for, attached to vehicle	63b, 23, 24
Unicycles	63h, 6
Uniforms and liveries, including accessories	3b, 6
Unipolar machines	21d, 2
Universal joint shaft and transmission for motor-cars	63c, 12
Joints	47c, 4
Keyboards for type-writers	15g, 45
Machines for woodworking	38b, 7
Rolling-mills	7a, 7
Tools	87c
Unloading cars for railway-service	20c, 13, 15, 16
From warehouses, apparatus for	81e, 23
Hay and straw	45e, 30
Railway-cars and other vehicles while stationary or in motion, apparatus for	81e, 22
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Street-cars and road-vehicles	63b, 32, 33
Upholstery	34g, 12
Beaters	34c, 9
Cleaning, pneumatic	8e, 3
Fastenings for beds, chairs, etc.	34g, 21
Making	63a, 4
Materials, making	63a, 3
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Making	7e, 20
Upsetting machines and processes, metal	49f, 1
Machines for paper-board	54a, 2
Urea	12o, 17
Urethane	12o, 17
Urinals	30d, 16
Portable	34k, 6
With flushing arrangements	85h, 19
Urns, cinerary	30e, 16

	Classification.		Classification.
<b>Utilizing exhaust gases from explosion and internal-combustion engines.</b>	14h, 3; 46c, 31	<b>Valves, Meyer</b>	14d, 4
Exhaust gases from furnaces	24c, 5, 6; 24k, 4; 80c	Mixing, for baths	85f, 2
Steam from steam-engines	14h, 3	For internal-combustion engines	46c, 12
Heat from hot slag, etc.	13g, 2	Generally	47g, 20
<b>Vaccination instruments.</b>	30a, 10; 30c, 1	Multiple way	47g, 20
Vaccins	30h, 6	Non-return, for gas-pipes	4c, 18
Vacuum air-engines	46d, 5	Generally	47g, 8
Boxes for paper-making	55d, 16	Pipe-isolating	47g, 15-18
Evaporators	89e, 1-3	Piston	14d, 7; 47g, 14, 28
Gages	42k, 6-18	Pressure reducing and regulating	47g, 30-33
Refrigerating-machines	17a, 21	Retaining, for automatic single-cylinder air-brakes	20f, 30
Tubes	21g, 12, 20	Regulating	47g, 30-33
For electric lighting	21f, 85	Rider	14d, 5
For Röntgen rays	21g, 15, 16, 18	Ring	47g, 10, 11
Valises	33b	Safety, for gas-consumption regulators	4c, 24-26
Valve arrangements for organs	51a, 9	For receptacles containing condensed gases	47g, 47
Arrangements for wind instruments	51c, 25	For steam-boilers	13c, 24-30
On steam-cylinders	14f, 10	Screw	47g, 1-4
Balancing devices	14d, 11; 47g, 34	Special mechanism for	47g, 34-47
Braking devices	47g, 6, 35	Steam cut-off and inlet	14g, 1
Carbureters	46c, 12	Swing, for gas-consumption regulators	4c, 24
Chests	47g, 39	Testing, on steam-boilers	13c, 14
Cooling devices	47g, 41	Thermostatically controlled	47g, 21
Draining devices	47g, 37	Tubular, for steam-engine valve-gears	14e, 3, 4
Gasifiers	46c, 12	Valve-gear actuated, for internal-combustion engines	46b, 1, 2
Gear eccentrics for steam-engines	14d, 21	For steam-engines	14f, 4-6
Gears, cataract	14d, 24	Generally	47g, 13
For explosion and internal-combustion engines	46b, 1-6	<b>Vanadium compounds</b>	12i, 31
For refrigerating-machines	17a, 7	Preparation	40a, 51
For slide-valves	14d, 12-25	Electrolytic	40c, 12, 13
For steam-engines	14b, 9; 14d; e; f	<b>Vanes, signaling</b>	74d, 10
Electrically driven	14e, 7	Ventilator	27c, 8
For toy steam and gas engines	77f, 18	Vanillin	12o, 9
Rotary	14e	<b>Vapor baths</b>	30f, 10
Slide, for internal-combustion engines	46b, 4	Burners	4g, 23-36
Operating devices	47g, 43, 44	Engines, air	46d, 7
Reversing gear	14f, 10	Ether	46d, 4
Stroke governors for internal-combustion engines	46b, 15	Gas and air	46d, 9
Structures	47g	Testing devices	42l, 2
<b>Valves, adjusting from a distance.</b>	47g, 45	<b>Vaporizers for explosion and internal-combustion engines</b>	46c, 8
Automatic, for flushing water-closets	47g, 5-7	For liquid-fuel burners	4g, 23-36
Automatically closing, for liquid-handling apparatus	64c, 33	For liquid-fuel furnaces	24b, 9
Generally	47g, 5-8	For refrigerating-machines	17a, 18
Balloon	77h, 4	Vaporizing apparatus, electric	21h, 3
Carbonic acid, for liquid-handling apparatus	64c, 7	<b>Vapors, absorbing</b>	12e, 1
Check, for gas-pipes	4c, 18	Condensing and compressing for general chemical purposes	12a, 4
Generally	47g, 8	Electrochemical treatment of	12h, 4
Control, for engines and machines	47g, 9-14	When nitrogen and oxygen are present	12i, 26
Corliss	14e, 1, 2	Electrothermal treatment of	12h, 4
Cut-off	14d, 3	When nitrogen and oxygen are present	12i, 26
Distributing	14d, 3	Mixing with gases	12e, 4
Drawing off air	13d, 25; 36c, 2; 47g, 38	Purifying	12e, 2
Electric, for polarization-cells	21g, 11	Separating from gases	12e, 3
Electromagnetically controlled	47g, 45	<b>Variable-speed gearing for motor-cars</b>	63c, 6-10
Expansion	14d, 3	For motor-cycles	63k, 25
Float	4c, 24; 26b, 31; 47g, 44	For rider-propelled cycles and vehicles	63k, 13-21
For acetylene-generators	26b, 1, 7, 31, 32	Variometers for radiotelegraphy	21a, 7
For air-brakes	20f, 40	Varnish, asphalt	22h, 3
For boiler-feed apparatus	13b, 18	Celluloid	22h, 4
For compressed-air brakes	20f, 28-30	Collodion	22h, 4
For electric-arc lamps	21f, 6	Corroding materials	22g, 13
For gas-furnaces	24c, 7	Removing materials	22g, 13
For heat-regulators	36f, 1-5	Varnishes and driers	22h, 2
For pneumatic cushions	30d, 11	Varnishing sheet-metal plates, machines for	75a, 20
For pneumatic tires	63e, 20	Wood, etc., processes	75c, 5
For refrigerating-machines	17a, 7	Vases, flower	34f, 6
For steam-boiler water-gages	13c, 5	<b>Vats, brewing</b>	6b, 15, 17
For sugar-juice-extracting apparatus	89c, 5	Dyeing	8a
Gas-discharging, for balloon-envelops	77h, 4	Tanning	28a, 12
Gas-outlet, for galvanic cells and storage batteries	21b, 1	<b>Vegetable comminuting machines for bulk treatment</b>	45e, 35-39
Generally	47g	Comminuting machines for household use	34b, 13
Hot blast	18a, 15	Compressing machines	34b, 9
Inlet and exhaust, for internal-combustion engines	46c, 3		



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Vegetable culture.....	45f, 1
Cutting machines for bulk treatment.....	45e, 38
For household use.....	34b, 3, 6
Grating machines for bulk treatment.....	45e, 39
For household use.....	34b, 8
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For household use.....	34b, 7
Stalks, retting.....	29a, 2
Retting, bacteriological.....	29b, 4
Separating fiber.....	29a, 2
Vegetables, preserving.....	53c, 5
Vehicle axle supports.....	63b, 43
Axles.....	63d, 12
Bodies.....	21c, 1, 2; 63b, 1; 63c, 22
Motor.....	63c, 22
Brakes.....	63b, 54-65
Doors.....	63b, 6; 63c, 22
Lamps and lanterns.....	4a, 39, 48
Seats.....	20c, 41; 34g, 7; 63b, 2; 63c, 22
Springs.....	63b, 13, 14
Steps.....	63b, 8
Supports to take the load off the tires.....	63b, 43
Tops.....	20c, 30; 63b, 3, 49; 63c, 22
Wheels.....	63d, 1, 2, 6, 9-11
Windows.....	20c, 39; 63b, 7
Vehicles, accessories for operation.....	63b, 40-44
Advertising.....	54g, 8
Agricultural.....	45e, 31
Antiskidding devices.....	63b, 59; 63c, 24
Armored.....	72g, 4
Convertible.....	63b, 29-31
Converting into sleighs.....	63b, 67
For slaughter-house purposes.....	66a, 5
For transporting foodstuffs.....	63b, 35
Foodstuffs, with special arrangements for preserving.....	53a
Invalids.....	30e, 3
Liquid and solid substances, (oil, milk, and other foodstuffs).....	63b, 35
Live fish.....	45b, 18
Live stock.....	20c, 11; 63b, 34
For use both on land and water.....	65c, 12
Motor.....	63c, 1-5, 19-22, 26
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Railway.....	20c
Road.....	63b
Means for transporting on rails.....	20g, 5
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Stanchion.....	63b, 1
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Veils and veil fasteners and holders.....	3b, 26
Veining linoleum.....	8h, 5
Textiles.....	8n, 8
Veins, mineral, working out by removing gas.....	5b, 12
Velocipedes, (see also Cycles).....	63d-k
Velocity indicators, (see also Speed, etc.).....	63c, 25; 63g, 13
Meters for photographic shutters.....	57a, 32
Generally.....	42o, 1-13
Steam-turbines.....	14c, 4
Velvet cutting devices, (cloth-finishing).....	8b, 28
Cutting devices on looms.....	86d, 9
Looms.....	86d, 1-8
Velvets, finishing, chemical features.....	8k, 1
Finishing, mechanical features.....	8b, 29
Producing designs on.....	8b, 29
Venders, automatic.....	43b, 17-33
Automatic, not coin-controlled, for advertising and display purposes.....	54g, 13
Coin-controlled.....	43b
Veneer cutting machines.....	38i, 2
Ornamental.....	75b, 24
Sheets, making.....	38i, 2
Veneering.....	38c, 1
Venetian blinds.....	37d, 27
Ventilating acetylene-generators.....	26f, 47
Caps for moving the air.....	36d, 8

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Ventilating cesspools.....	85e, 5
Generally.....	36d, 1-8
Hats and other head-coverings.....	41b, 2
In buhr-mills.....	50b, 3
In connection with windows.....	37d, 38
Mines.....	5d, 1-3
Air-conduits and air-dams for.....	5d, 1
Air-doors and checks for.....	5d, 2
Railway-cars.....	20c, 25
Sewers.....	85e, 5
Ships.....	65a, 17
Stoves.....	36a, 3
Systems and appliances.....	36d, 1-8
Water-closets.....	85b, 16
Ventilator-blades.....	27c, 8
Ventilators, (fans, blowers, etc.).....	27c, 6-10
For rooms.....	36d, 6
Venturi meters.....	42e, 14, 23
Vermin, destroying.....	45k, 1-4
Vessels, drinking.....	64a, 1-7
(Boats) fishing.....	65a, 7
For submarine operations.....	65a, 5
Life-saving.....	65a, 64
Vests, (underwear).....	3a, 8
Life-saving, swimming.....	65a, 66-69
(Waistcoats).....	3b, 5
Veterinary science.....	30c; 30h
Viaducts.....	19d, 3
Vials, poison.....	30g, 4
Vibration absorbers for geodetic, nautical, etc., instruments.....	42c
Apparatus for curative gymnastics.....	30f, 2
Meters for ships.....	65a, 37
Generally.....	42c, 42
Vignettes for photographic printing.....	57c, 10
Vinegar, making.....	6e
Wood.....	12o, 12; 12r, 2
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Props.....	45f, 13
Violet perfumes.....	12o, 25
Violin bows.....	51c, 9
Chin-rests.....	51c, 10
Strings and string-holders.....	51c, 6
Supports and shoulder-rests.....	51c, 10
Violins.....	51c, 1-10
Viscometers.....	42l, 7
Viscose.....	12o, 23; 29b, 3
Viscosimeters.....	42l, 7
Viscous fluids, machines for putting into bottles, etc.....	81a, 2
Vises.....	87a, 1-5
For machine-tools.....	49b, 32
Visibility of ships, lessening.....	65a, 26
Vision, acuteness of, diagnosing.....	30a, 3
Testing, optical features.....	42h, 32
Vitreous color processes, photographic.....	57b, 16
Voltage cut-outs.....	21c, 61
Regulation in alternating-current generators.....	21d, 31
Voltaic piles.....	21b, 10
Voltmeters.....	21e, 9
Volume-meters for dry materials.....	42e, 27-29
For industrial uses.....	42e
Voting apparatus and machines.....	43a, 39
Vulcanized fiber.....	39b, 8; 54e
Fiber, articles made of.....	54f
Oil, (factice).....	39b, 4
Vulcanizing apparatus, dental.....	30b, 16
Caoutchouc and gutta-percha, chemical features.....	39b, 3
Mechanical features.....	39a, 11
Pneumatic tires.....	63e, 13
Wadding for bandages.....	30i, 8
For bandages, making of tow waste, etc.....	76b, 37
Making.....	76b, 13, 14
Waffle baking machines.....	2a, 12
Irons.....	34l, 10

Classification.		Classification.	
<b>Wage</b> receptacles with wage-check closures.....	43a, 17	<b>Warning-signals</b> for train protection.....	20i, 39
Tables.....	54b, 7	Warp beam supports.....	56a, 25
Wagon brakes.....	63b, 54-65	Beaming machines.....	86a, 2
Cleaning apparatus.....	63b, 44	Beams.....	86c, 18
Couplings.....	63b, 40	Cleaning and clearing.....	86a, 4
Tipping apparatus.....	81e, 22	Damping and sizing.....	8a, 25
Wheels, (see also <b>Wheels</b> ).....	63d, 1, 2, 6, 9-11	Detector shuttles.....	86g, 8
Wagons, ammunition, including armored wagons.....	72d, 8	Drawing-in apparatus and machines.....	86h, 7
Delivery.....	63b, 34	Drying.....	8a, 25
Dispensing, (milk, oil, etc.).....	63b, 35	Fabric-knitting machines.....	25a, 15, 16
Farm.....	45e, 31	Knitting machines.....	86h, 6
Garbage.....	81d, 1, 2, 4	Pile weaving.....	86d, 1-9
With disinfecting appliances.....	81d, 4	Spooling machines.....	86a, 1
Grain, hay, etc., for agricultural purposes.....	45e, 31	Stop detectors.....	86c, 30
Ice.....	17c, 5	Tensioning devices.....	86c, 18
Mail.....	63b, 34	Twisting-in devices.....	86h, 6
Milk.....	63b, 35	Warping frames.....	86a, 2
Oil.....	63b, 35	Machines.....	86a, 2; 86c, 18
Fig-iron and steel, for blast-furnaces.....	18a, 9	Wash-buttons, making.....	44a, 1
Refrigerator.....	17c, 5	Washbasins.....	34k, 1
Refuse.....	81d, 1, 2, 4	Connected to sewer.....	85e, 21
With shovels to receive street-sweepings.....	81d, 1	Washboards.....	8d, 10
Scaffold or tower, for erecting contact-lines, etc., for electric railways.....	20k, 19	Washboilers.....	8d, 1
Tank, etc.....	63b, 34, 35	Washstand-pitchers.....	34k, 1
Unloading.....	63b, 32, 33	Washstands and cabinets.....	34k, 1
Wainscoting.....	37d, 33	And toilet conveniences for railway-cars.....	20c, 42
Waistcoats.....	3b, 5	For ships.....	65a, 31
Waiters, (trays).....	34f, 21	Stationary.....	85e, 21
Wakers, (alarms).....	74a, 13-17, 20	Washub-stands.....	8d, 10
Walking appliances for children.....	34h, 1	Washtubs.....	8d, 10
Appliances to assist invalids.....	30f, 4	Washers as machine elements.....	47a, 8, 11
Mechanism for dolls.....	77f, 10	Clay.....	80a, 5
Stick carriers.....	33d, 11	Coal, ore, and sand.....	1a, 11
Hangers.....	33a, 13	Grain.....	6a, 1; 45e, 22; 50a, 2
Sticks.....	33a, 11-13	Potato, for bulk treatment.....	45e, 22
Wall brackets for lamps.....	4a, 26	For household use.....	34i, 21
Cleaners and scrapers.....	37d, 40	Washing apparatus, barrel.....	6f, 1
Contacts for burglar-alarms.....	74a, 25	Apparatus, bottle.....	64b, 1-3
Coverings..... 8h, 6; 8l, 2; 37a, 4; 37d, 33; 75b, 24		For curative purposes.....	30f, 10, 11
Printing.....	8c, 1, 4	For photographic plates.....	57c, 9
Dowels.....	34e, 18; 37b, 5	For rock-drilling machines.....	5b, 13
Hooks.....	34f, 3	Hair.....	33c, 6
Paneling.....	37d, 33	Railway-car.....	20h, 8
Paper cutting apparatus.....	8f, 10	Vehicle.....	63b, 44
For display purposes.....	54g, 20	Bottles, laboratory.....	42l, 3
Making, chemical features.....	8n, 6	Machines.....	8d, 3-6, 9
Mechanical features.....	8h, 6	Bed-feather.....	8e, 5
Printing.....	8c, 4, 7	Charcoal.....	12d, 11, 26
Samples, machines for pasting on sample- cards.....	8f, 13	Cotton-waste.....	8a, 5
With imitation-rape-paper covering.....	8h, 6	Dish.....	34c, 10
Plates, slabs, etc., as structural elements.....	37b, 2	Fabric breadths.....	8a, 9
For columns, pillars, etc.....	37a, 4	For feed-turnips, etc.....	45e, 22
Ornamental.....	75b, 24	Glass.....	64b, 5, 6
Polishers.....	37d, 40	Grain.....	6a, 1; 45e, 22; 50a, 2
Rosettes for electric lighting.....	21c, 25	Hose.....	8a, 9
Walls, garden, etc.....	37a, 4, 5	Potato.....	45e, 22; 89a, 1
Generally.....	37a, 4, 5	Sand.....	1a, 11
Hangar.....	37f, 8	Sugar-beet.....	89a, 1, 2
Hole-boring tools for.....	37d, 40	Types: brush.....	8d, 3
Hollow brick.....	37a, 4	Cylinder or drum.....	8d, 6
Monier.....	37a, 5	Rocking.....	8d, 6
Of buildings.....	37a, 4, 5	Roller.....	8d, 4
Ornamenting..... 34f, 26; 37d, 31-33; 75c, 5		Stamps and pounders.....	8d, 7, 8
Plastering and pointing up, apparatus for.....	37d, 32	Wool, (for spinning).....	76a, 1-4
Protective.....	37a, 4, 5	Materials for chemical washing processes.....	8i, 5
Rabitz.....	37a, 5	For printing-plates.....	15l, 7
Revetment and supporting.....	19e, 2; 84a, 2	Soap-containing.....	23e, 2
War games.....	77d, 8	Soap-free.....	8i, 5
War-ships, armament.....	65e, 1-4	Out loose sugar crystals.....	89d, 7
Wardrobe-trunks.....	33b, 8; 34i, 19	Textiles, using electric current, apparatus.....	8a, 5, 7, 9, 17, 18
Wardrobes.....	34i, 14	Processes.....	8i
Warehouse railways and trolleys.....	81e, 39	Waste acids from manufacture of explosives, re- generating.....	78c, 5
Warehouses, structural arrangements.....	37l, 7	Acids from manufacture of explosives, treat- ing.....	78c, 7
Warm-water heating systems.....	36c, 3, 4	From carding-machines, removing.....	76b, 36
Warmers, ear.....	3b, 13	From cigars, recovering tobacco and fillers.....	79a, 2
Warming-bottles for car-heating.....	20c, 21	From fabrics, utilizing for spinning.....	76b, 1



	Classification.
<b>Waste</b> from starch manufacture, treating.....	89k, 4
Cases from pig-iron production, utilizing.....	18a, 8
Precipitating.....	24g, 6; 40a, 15
Purifying.....	10a, 19; 12e, 2; 26d, 1-5; 46c, 32
Recovering and neutralizing, in cellulose manufacture.....	55b, 3
Heat, utilizing.....	14h, 3; 36a, 14; 46c, 31; 46d, 11
Lime, etc., from chemical factories, making into artificial stone.....	80b, 20
Liquors, recovering and neutralizing, in cel- lulose manufacture.....	55b, 3
Sulfite-cellulose, utilizing for tanning.....	28a, 6
Materials, utilizing for artificial fuels.....	10b, 16
Matter, utilizing in manufacture of fats.....	23a, 4
Paper baskets.....	34f, 26
Water as fertilizer.....	16, 12
Distributors for oxidation-filters.....	85c, 3
Obtaining fats from.....	23a, 4
Purification, biological.....	85c, 3
Centrifugal.....	85c, 5
Chemical.....	85c, 1
And mechanical combined.....	85c, 2
Electrolytic.....	85c, 4
Mechanical.....	85c, 5, 6
Removing, (sewer systems).....	85e, 1
Wool from cards, heaters, etc., removing and utilizing.....	76b, 36, 37
Watch chain fastenings.....	44a, 36
Chains.....	44a, 39
Fastenings to prevent theft.....	44a, 41
Hooks.....	44a, 31
Watchmakers' compasses.....	83c, 8
Lathes.....	83c, 2
Measuring and regulating appliances.....	83c, 8
Tools.....	83c
Hand and dial.....	83c, 7
Jewel-setting.....	83c, 5
Watchmen's recording-clocks.....	43a, 30, 31
Watch pendants.....	44a, 39
Stands.....	34l, 22
Watches. (See also Clocks and watches).....	83a
Water, aerated.....	85a, 2, 3
Aerated, mixing.....	85a, 3, 8
Atomizers for moistening the air.....	36d, 14, 15
Bath cooking apparatus.....	36c, 13
Baths for chemical purposes.....	12a, 1
Boiler, purifying.....	13b, 8, 9; 85b
Feed, purifying.....	13b, 5-7
Carbonated.....	85a, 2, 3
Closets.....	85h
Color grinders.....	75c, 12
Implements.....	75c, 16
Mixing dishes.....	75c, 15
Paint boxes.....	75c, 16
Painting.....	75c, 1
Colors.....	22g, 2
Courses, correcting.....	84a, 1
Cranes for railway-service.....	20g, 9
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Distilled.....	85a, 1
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	Classification.
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Fabrics, mechanical features.....	8a, 27
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Sprinkling carts.....	19b, 4; 45f, 19
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Supply regulators.....	12f, 4; 42e, 2; 47g, 1, 2, 44, 45; 80a, 30
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Fields and gardens, apparatus for.....	45h, 19-22
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	Classification.		Classification.
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Detectors or indicators for wireless telegraphy.....	21a, 70	chines.....	81a, 16
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Motors.....	88b, 3	Weight-motors.....	46c, 4
Waves, producing, for theaters.....	77g, 1	Weights for scales.....	42f, 34
In bath-tubs.....	34k, 4	Weir-building.....	84a, 3
In swimming-pools.....	37f, 3	Weirs, fish.....	45h, 20
Wax, floor-polishing.....	22g, 6	Overflow.....	84a, 3
Matches.....	78a, 10	Roller.....	84a, 3
Melting apparatus for honeycombs.....	45h, 16	Weldable iron, preparation.....	18b, 4
And purifying.....	23a, 3	Steel, preparation.....	18b, 4
Mineral, (ozocerite).....	23b, 3	Welding.....	49f, 18
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Combined with firearms.....	72a, 32	Tube.....	7b, 7
Wearing apparel, (See also Clothing).....	3a-e	Iron-scrap fagots.....	49f, 18
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Cocks with telemetric apparatus.....	74b, 8	Of chains, electric.....	49h, 5
Screens for drivers of street-cars, etc.....	20c, 29	Rails for electric railways.....	20k, 7
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Weaving.....	86a-h	Wells.....	85d, 1, 4
Auxiliary machines for.....	86h	Drinking-water.....	85d, 4
Basket.....	25b, 10	Pipe.....	85d, 1
Cane and slat.....	86e	Sunk, for foundations.....	84c, 3
Chenille.....	86d, 3	Wetted shoes.....	71a, 14
Driving-belt.....	86c, 2	Wetling devices for knitting-machines.....	25a, 24
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Gobelin.....	86c, 6	Westrumite, (dust-binding composition).....	30i, 7
Horsehair.....	86c, 15	Wet spinning, (wetting).....	76c, 27
Hose.....	86c, 3	Wetting down paper for printing.....	15d, 27
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Plush.....	86d, 4-6, 8, 9	Sprinklers.....	20h, 10
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Ribbon.....	86c, 10	Toothed.....	47h, 6, 12
Sack.....	86c, 3	Molding machines.....	31b, 7
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Wedding-rings, making of sheet metal and tubing.....	7c, 38	Making of sheet metal and tubing.....	7c, 33
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Fastenings.....	47a, 1	Tire-vulcanizing apparatus.....	63e, 13
Movements.....	74h, 1	Tires, (see also Tires).....	63e
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Weed-pulling implements.....	45a, 2	For railway-car wheels.....	20d, 24
Weeds, exterminating by chemical means.....	45l, 3	Heaters for putting on.....	49f, 6
Exterminating by steam, burning, etc.....	45a, 3	Measuring apparatus.....	20h, 1
By tools.....	45a, 2	Leather.....	63e, 3
Removing from railway-embankments, apparatus for.....	19a, 28	Making by rolling.....	7f, 1
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Feeler mechanism.....	86c, 31	Pneumatic.....	63e, 1, 5-14
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Preparing for weaving.....	86a, 5	Locating punctures.....	63e, 13
Thread-cutting devices.....	86c, 32	Puncture filling materials for.....	22i, 1
Replenishing devices.....	86c, 25	Indicators.....	63e, 13
Tensioning devices.....	86c, 13, 14, 21, 25	Solid rubber.....	63e, 2
Threaders.....	86g, 9	Spring.....	63e, 4
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Weighing apparatus, (see also Balances and scales).....	42f	Wood.....	63e, 3
Apparatus, automatic.....	42f, 18-20	Wheeled gun-mounts.....	72c, 6, 7
Coin-controlled.....	43b, 45, 46	Wheels, blade, for aircraft.....	77h, 8



	Classification.		Classification.
<b>Wheels, driving, for plow-tractors</b> .....	45a, 21	<b>Winches, capstan</b> .....	65a, 25
Driving, generally.....	47b, 20	For electric cables.....	21c, 8
Fastenings for.....	63d, 7, 8	For scaffold-building.....	37c, 13
Feathering-blade, for aircraft.....	77h, 11	Switching.....	35c, 1
Fly.....	47b, 28	Built into track.....	20h, 7
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For clockwork.....	83a, 10	50b; 88c, 2.....	
For railway-vehicles.....	20d, 11, 23-28	Structural arrangements.....	37f, 7
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Friction.....	47b, 25	Screened lights.....	4a, 45
Guide, for railway-vehicles.....	20d, 28	Shields for cycles.....	63g, 11
Making by casting.....	31c, 16, 25	For lamps.....	4a, 16
By forging.....	49g, 6	For motor-cars.....	63c, 24
By pressing.....	49g, 6	On match-boxes.....	44b, 27
By rolling.....	7f, 1	On windows.....	68c, 10
Of sheet metal.....	7c, 32	<b>Wheels</b> .....	88c, 1, 2
<b>Measuring</b> .....	42b, 6	As auxiliary propellers for cycles, etc.....	63k, 8
Of fortune.....	43a, 40	For ships.....	65f, 22
Paddle, for aircraft.....	77h, 8	<b>Winders for mechanical bells</b> .....	74a, 8
Potters'.....	80a, 44	For printing-telegraphs.....	21a, 14
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Solar.....	42i, 18	Electric.....	83b, 7
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Toothed.....	47b, 23	Stem, for watches.....	83a, 38-40
Vehicle.....	63d	<b>Winding boards for clothes-lines</b> .....	8d, 13
Fitting with metal tires.....	63d, 6	Boards for fabrics.....	8f, 7
<b>Water</b> .....	88a, 10-12	Devices, (cops, spools, etc.), paper, making.....	54c, 4
<b>Wind</b> .....	88c, 1, 2	Drums.....	35c, 1
As auxiliary driving mechanism for cycles.....	63k, 8	For lowering coffins.....	30e, 18
For driving ships' propellers.....	65f, 22	Machines, ball.....	76d, 12
Wooden.....	63d, 1	Clothes-line.....	8d, 13
Making.....	38f, 7	For wire, hand-iron, and profile-iron.....	7b, 5
<b>Whetstones</b> .....	67c, 4	For woven fabrics, ribbons, and laces.....	8f, 3, 4
<b>Whey-separators</b> .....	45g, 24	Yarn.....	76d, 11, 12, 20
<b>Whiffletree-hooks</b> .....	63b, 22	<b>Mechanism, (windlasses, etc.)</b> .....	35c
<b>Whiffletrees</b> .....	63b, 21	Brake-controlled, for life-saving (fire-escape) apparatus.....	61a, 7
<b>Whip current-collectors for electric railways</b> .....	20l, 9	Reels, paper.....	55e, 7
Holders on harness.....	56a, 27	Yarn.....	76d, 13, 14
On vehicles.....	63b, 42	Rollers for woven fabrics.....	8f, 7
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<b>Whipping devices for horse-driven engines</b> .....	45d, 2	<b>Window bars, making</b> .....	7e, 19
For vehicles.....	63b, 42	Brakes for sliding windows.....	68b, 27
<b>Whips</b> .....	56a, 27	Casements.....	37d, 17
Beating, for upholstered furniture.....	34c, 9	Cleaning.....	34c, 1-4
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<b>Whisky</b> .....	6b, 22, 23	Machines.....	34c, 1
<b>Whistles, signal</b> .....	74d, 1	Closing devices.....	68d, 8, 18
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Toy.....	77f, 6	Curtains.....	34e, 1-15
<b>White lead</b> .....	22f, 1, 11	Fastenings, dormer.....	68b, 26
<b>Whiting</b> .....	22f, 6	For locomotives.....	20b, 14
<b>Wick adjusting devices</b> .....	4g, 17-19	For sliding windows.....	68b, 27
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Burners.....	4g, 1-20	Skylight.....	68b, 17-25
Carbons as electrodes for arc-lamps.....	21f, 76	Fittings.....	34e, 19; 68c, 10
Fastening devices.....	4g, 19	Frames.....	37d, 17
Guides.....	4a, 1-3; 4g, 15, 16	For art glazing.....	32b, 11
Inserters.....	4g, 20	Making.....	7c, 44; 38c, 6; 38e, 8
Light burners.....	4g, 1-4	<b>Gratings</b> .....	37d, 25
Lubricators.....	47e, 6	For protection against falling from windows.....	34e, 16
Sleeves.....	4g, 15, 16	Hinges.....	68c, 1-6, 8
Trimmers.....	4a, 7	Lintels.....	37b, 4
Tube flanges for blue-flame burners.....	4g, 12, 14	Mirrors.....	34f, 3
<b>Wicker weaving or plaiting machines</b> .....	25b, 9	Openers.....	20c, 39; 63b, 7; 68b, 17-27; 68d, 19-31
Work.....	25b, 10	Pane-thawing devices.....	34c, 3
<b>Wickets in buildings</b> .....	37d, 39	Panes.....	32b, 11
<b>Wicks, fabric</b> .....	4a, 4, 6	Reinforcing by celluloid coatings, (compound glass).....	39a, 17
Fabric and mineral combined.....	4a, 6	Patterns for casting.....	31c, 8
Lamp.....	4a, 4-7	Screens.....	34e, 19; 37d, 14, 15
Limiting movements of.....	4g, 19	With ventilating devices.....	37d, 15
Mineral.....	4a, 5, 6	<b>Shutters</b> .....	37d, 25
<b>Wigs</b> .....	3e, 2	Opening, closing, and holding in adjusted positions.....	68b, 17-27; 68d, 18-35
<b>Willow-barking machines</b> .....	38g, 1; 38i, 1		
<b>Willowers for textile fibers</b> .....	76b, 1, 4, 5		

	Classification.		Classification.
Window stops for sliding windows.....	68b, 27	Wire draw plates.....	7b, 4
Wipers.....	34c, 2	Drawing.....	7b, 3, 4
Windows.....	37d, 8-17	Benches.....	7b, 3, 4
Cellar.....	37d, 39	Electroplating.....	48a, 9
Cleaning, in railway-cars, motor and road vehicles.....	20c, 39; 63b, 7; 63c, 26	Endless, casting.....	31c, 21
Closing joints.....	37d, 24	Eyelets.....	7d, 1
Dormer.....	37c, 9	Fabric for driving-belts.....	47d, 4
Shifting, holding in adjusted positions, and locking.....	68b, 26	Fasteners for box-making.....	54a, 11
Double, holding in adjusted positions.....	68d, 33	Fastenings for bottle-closures, making.....	7d, 10
For hotbeds and hothouses.....	45f, 9	On insulators.....	21c, 16
For motor-cars.....	63c, 22	Fences and fence stretchers.....	37d, 36
For ships.....	65a, 10	Making.....	7d, 6
Garret.....	37d, 38	Flowers.....	45f, 6
Grated or barred.....	37d, 17	Forms for hat-frames.....	41a, 6
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Inside blinds for.....	34f, 5	Guards for electric incandescent lamps.....	25f, 56
Metal.....	37d, 17	Hardening.....	18c, 6
Pivoted.....	37d, 8, 9	Inlaying machines.....	7c, 4
Protecting from deposit and freezing of mois- ture, coatings for.....	22g, 10	Lattice machines.....	7d, 6
From dirt and other deposits.....	37d, 16	Lattices.....	7d, 6
Puttying.....	37d, 40	Looms.....	86f
Railway-car.....	20c, 39	Making.....	7a, 10; 7b, 2-6; 31c, 21
Safety apparatus for cleaning.....	34c, 4	By casting.....	31c, 21
Show, equipment.....	54g, 16	By drawing.....	7b, 3, 4
Lighting.....	4b, 23	By extrusion method.....	7b, 2
Structure.....	37d, 13	By rolling.....	7a, 10
Skylight.....	37d, 15; 68b, 17-25	By special processes.....	7b, 6
Holding in adjusted positions.....	68b, 17-25	By squirting, (extrusion process).....	7b, 2
Sliding.....	20c, 39; 37d, 10-12; 63b, 7; 63c, 22; 68b, 27	Manufactures.....	7d, 6-16
Holding in adjusted positions, locking, etc.....	68b, 27	Nail machines.....	7e, 10
Trap.....	37d, 9	Nails.....	7e, 7, 8, 20
Vehicle.....	63b, 7; 63c, 22	Netting for ceilings.....	37d, 39; 86f
Ventilating devices for.....	37d, 15	For fences.....	37d, 36; 86f
Wine cellar implements.....	6f, 5	For walls.....	37d, 39; 86f
Coolers.....	17f, 2	Making.....	7d, 6, 16
Pasteurizing.....	6d, 1, 2	Pickling.....	48d, 2
Preparing.....	6c	Points on corset and shoe laces, etc., making.....	7d, 13
Preserving.....	6d, 3	Reeling.....	7d, 2
Presses.....	58a, 5; 58b, 1, 2, 5, 9, 10	Reels for electric cables.....	21c, 8
Removing yeast from.....	6c, 2	For packing and shipping.....	81c, 27
Wines, berry, preparing.....	6c, 3	Used in wire making.....	7b, 5
Fruit, preparing.....	6c, 3	In wire working.....	7d, 2
Sparkling.....	6c, 1	Resistances.....	21c, 46
Wings, beating, for flying apparatus.....	77h, 10	Rolling mills.....	7a, 10
Winnowers.....	45e, 14	Return-loop guides.....	7a, 11
Wipers, blackboard.....	70e, 3	Scouring.....	7b, 6
For printing-machines.....	15l, 8	Sharpening ends by chemical means.....	48d, 5
Gun.....	72a, 31	Shears.....	49b, 11, 12, 14, 17, 19
Pen.....	70b, 6	As part of military equipment.....	33d, 8
Slate.....	70e, 3	Slitting, stretching, and upsetting.....	7d, 5
Wire, annealing, iron and steel.....	18c, 6	Softening.....	7b, 6; 48d, 5
Annealing, other than iron and steel.....	48d, 5	Soldering, making.....	49f, 11
Barb.....	7d, 4	Spinning machines.....	73, 1
Bars, casting.....	31c, 21	Spiral.....	7d, 2
Bending.....	7d, 1, 2; 49h, 2	Spooling.....	7d, 2
Machines.....	7d, 1	Steel, annealing and hardening.....	18c, 6
Bottle.....	64a, 76; 64b, 24	Stiffening and covering objects with.....	7d, 5
Making.....	7d, 10	Stitching machines.....	11a, 5, 6
Bows and fastenings for bottle-caps, making.....	7d, 10	Tools.....	11a, 11
Brads.....	7e, 7	Straightening.....	7d, 1
Braiding machines.....	25b, 7	Stretchers for brick-cutters.....	80a, 41
Braids.....	25b, 7	For electric conductors.....	21c
Break locks for railway-switches.....	20i, 7	For fences and lattices.....	37d, 36
Switches.....	20k, 11; 21c, 9	Generally.....	87a, 21
Brushes.....	9, 19	Tacks.....	7e, 7
Electric.....	21d, 21	Thread, (eisengarn, starch-finished sewing thread), making.....	8a, 25, 26
Cables.....	73, 1	Weaving machines.....	86f
Carding combs.....	7d, 9	Winding.....	7b, 5; 7d, 2
Clamps.....	21c, 21; 87a, 21	Working.....	7d, 1-7
Cloth parts of paper-making machines.....	55d, 8	Wiring-machines, bottle.....	64b, 24
Coating with metals.....	48b, 4	Wires, breaking of, in electric systems, prevent- ing disturbances and accidents due to.....	20k, 11; 21c, 9, 57-61
Coiled.....	7d, 2	Electric, (conductors).....	21c, 1-26
Compensators for railway-switches.....	20i, 12	Rip, for opening tin cans.....	64a, 61
Connections.....	7d, 3	Or wire-cloths for paper-making.....	55d, 10
Cutting.....	7d, 5	Wood, artificial.....	39b, 8
Pliers.....	49b, 17	Beading.....	38b, 5
		Bending.....	38f, 1



	Classification.		Classification.
<b>Wood boring machines</b> .....	38b, 4, 8	<b>Wool, burring</b> .....	76b, 4
Bundling.....	81a, 13	Chemical cleaning.....	8a, 3, 5, 7, 17-19
Carbonizing ovens.....	10a, 28	Apparatus for.....	76a, 3
Carving.....	75a, 3; 75b, 10, 18	Dyeing.....	8a; 8m
Cement roofs, (mixture of tar, asphalt, and sulfur with sand and gravel).....	37c, 6	Fat, extracting.....	23a, 5
Chip-carving.....	75a, 3; 75b, 10	Fulling.....	8a, 30-32
Coverings for ceilings and walls.....	37d, 33	Mercerizing.....	8a, 20-24; 8k, 2
Cuts.....	15b, 1, 3	Removing grease from.....	29b, 1; 76a, 3
Cutting, splitting, etc., implements for.....	34d, 1	Washing.....	76a
Designs.....	75d, 16	Machines, cylindrical.....	76a, 1
Dovetailing and tenoning.....	38d, 1	Longitudinal travel.....	76a, 2
Drying, generally.....	82a	<b>Waste</b> .....	76b, 36, 37
When combined with steeping or impregnating.....	38b, 1	Cleaning and washing.....	8a, 5; 8i
Dyeing.....	38b, 5	For grinding and polishing.....	67c, 2
Embossing and pressing.....	75a, 2; 75b, 11, 19	For scouring.....	22g, 14
Engraving.....	15b, 1, 3	Machines for opening.....	76b, 2
Graining, implements for.....	75c, 20	Used, extracting grease from.....	23a, 4
Graters for paper-making.....	55a, 2	<b>Woolen fabrics, impregnating</b> .....	8k, 3
Grinders for paper-making.....	55a, 1	Work drivers for metal-lathes.....	49a, 23
Impregnating, (including wood for violins, sounding-boards, etc.) apparatus for.....	38h, 4	Holders and movement of the work in grinding-machines.....	67a, 32
Processes for.....	38h, 2	Measuring devices (operameters).....	42k, 15-19
Indenting or notching.....	75a, 3; 75b, 10	Rests for metal lathes.....	49a, 24
Insulating to prevent decomposition and fungus.....	37a, 7; 37b, 6	Stands, dentists'.....	30b, 21
Moldings.....	38c, 3	<b>Worm culture for fish-feed</b> .....	45h, 15
Ornamenting by branding, apparatus.....	75a, 1	Culture—e. g., silkworms.....	45h, 15
By branding, processes.....	75b, 1	Gearing.....	47h, 3
By coloring.....	75c, 5	Wheels as elements of worm-gearing.....	47b, 23
By etching.....	75b, 10, 18	<b>Worsted yarns, finishing</b> .....	8a; b
By graining.....	75d, 16	Spinning.....	76b, 30-34; 76c, 31
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<b>Steamed mechanical (braunschiff) for paper-making</b> .....	55b, 1	Writing for the blind, apparatus for producing.....	70d, 13
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	Classification.		Classification.
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