

DEPARTMENT OF COMMERCE  
BUREAU OF STANDARDS  
George K. Burgess, Director

---

CIRCULAR OF THE BUREAU OF STANDARDS, No. 319  
[3d ed. Issued March 14, 1928]

---

ALPHABETICAL INDEX  
AND NUMERICAL LIST  
OF  
UNITED STATES GOVERNMENT  
MASTER SPECIFICATIONS  
PROMULGATED BY THE  
FEDERAL SPECIFICATIONS BOARD

---

(Complete to January 1, 1928)



UNITED STATES  
GOVERNMENT PRINTING OFFICE  
WASHINGTON  
1928

## FEDERAL SPECIFICATIONS BOARD

In 1921 the Federal Specifications Board was established for the purpose of coordination and economy in the procurement of material and services used by the Government under specifications prepared in the various branches thereof, to avoid duplication of effort, and for the better utilization of resources and industries. To this board was assigned the duty of compiling and adopting standard specifications for materials and services and of bringing the specifications into harmony with the best commercial practice

wherever conditions permit, bearing in mind the desirability of broadening the field of supply.

### SPECIFICATIONS PROMULGATED BY THE FEDERAL SPECIFICATIONS BOARD

The following specifications have been officially adopted and promulgated by the Federal Specifications Board as United States Government Master Specifications for the mandatory use of all departments and independent establishments of the Government.<sup>1</sup>

## HOW TO OBTAIN SPECIFICATIONS

SOME MUST BE PURCHASED FROM THE SUPERINTENDENT OF DOCUMENTS; OTHERS CAN BE OBTAINED, UPON REQUEST, FROM THE FEDERAL SPECIFICATIONS BOARD

Specifications *bearing only a Federal Specifications Board number* are in mimeograph form and *can be obtained*, upon request, from the Federal Specifications Board, care of Bureau of Standards, Washington, D. C.

Specifications *bearing Bureau of Standards circular numbers or other bureau publication numbers in addition to the Federal Specifications Board number* are in printed form and *must be purchased direct from the Superintendent of Documents* at the prices indicated. In

requesting specifications from the Superintendent of Documents the bureau publication number *must be stated*.<sup>2</sup>

*Do not send purchase orders to Bureau of Standards or Federal Specifications Board.* Address request, accompanied by cash or money order, to the Superintendent of Documents, Government Printing Office, Washington, D. C.

The price of each printed specification is 5 cents per copy, unless otherwise noted.

<sup>1</sup> Use of specifications indicated by (\*) are mandatory on the War Department, Navy Department, and Marine Corps only, and optional with other departments and establishments of the Government.

<sup>2</sup> The latest revision is shown by small letters, a, b, c, etc. The complete Federal Specifications Board number should be given, thus, 243a ("a" indicates a first revision, "b" a second revision, and so on).

# ALPHABETICAL INDEX OF SPECIFICATIONS

Title	Federal Specifications Board specification No.	Bureau of Standards Circular No.	Title	Federal Specifications Board specification No.	Bureau of Standards Circular No.
Abrasive cloth, aluminum oxide	387	-----	Asphalt for use in road and pavement construction	276a	-----
Absorbent cotton	288	-----	Asphalt for waterproofing and damp proofing	85	C160
Adzes	449	-----	Asphalt varnish (Babbitt metal) <i>see</i> antifriction metal castings and ingots.	19	C104
Aggregate, coarse, for Portland cement concrete pavement or base (stone, slag, and gravel)	454	-----	Babbitting masks	545	-----
Aggregate, fine, for Portland cement concrete pavement or base (sand, etc.)	464	-----	*Bacon (meat and meat food products)	267	-----
Airplane cloth, cotton, mercerized, grade A	258a	C270	Bag, ice, helmet shaped	216	C228
Alfalfa, meal and hay (feeds and forage)	25c	-----	Bags, ice, rubber	217	C227
Allspice (condiments)	364	-----	Bags, Politzer	218	C222
Aluminum bronze castings	369a	-----	*Bananas (fruits and fruit products)	270	-----
Aluminum bronze ingots (for remelting)	173a	-----	Bandage, gauze, compressed	298	-----
Aluminum ingot	134	-----	Bandage, plain gauze roller, assorted	299	-----
Amalgam, dental, alloy	356	-----	Bandage, plaster of Paris	300	-----
Ammonium chloride (sal ammoniac)	446	-----	Bandages, rubber	219	C219
Antifriction metal castings and ingots	536	-----	Bands, rubber	64a	C284
*Apples, fresh, canned, evaporated, butter, and sauce (fruits and fruit products)	270	-----	Barley (feeds and forage)	25c	-----
*Apricots, canned and dried (fruits and fruit products)	270	-----	*Barley, pearl (cereals and cereal products)	317	-----
Aprons, surgeon's rubber	215a	C247	Bars, chisel, crow and pinch	434	-----
Asbestos and asphalt, roofing, prepared, slate-surfaced	423	-----	Bars, concrete reinforcement	350	-----
Asbestos copper gaskets, corrugated	93	-----	Bars, copper, rods, shapes, plates, sheets, and strips	467	-----
Asbestos high-pressure rod packing	103a	C238	Bars, nickel silver, rods, shapes, plates, sheets, and strips (German silver)	468	-----
Asbestos metallic cloth gaskets	97b	C242	Bases, cutout	55	-----
Asbestos metallic cloth sheet packing	94b	C243	Baskets ( <i>see</i> Receptacles)	-----	-----
Asbestos millboard	54	-----	Bathtubs (plumbing fixtures for land use) (price, 15 cents)	448	C310
Asbestos plaster, magnesia	211	-----	Batteries and cells, dry	58a	C139
Asbestos sheet packing, compressed	96b	C241	*Beans, dry and canned (miscellaneous provisions)	389	-----
Asbestos valve stem packing	95	-----	*Beans, lima, green or wax; string (vegetables)	271	-----
Asbestos wick and rope packings	487	C334	Bed, general service	185	-----
*Asparagus, fresh and canned (vegetables)	271	-----	Beds, hospital	186a	-----
Asphalt and asbestos, slate-surfaced, prepared roofing	423	-----	Beds, surgical	187a	-----
Asphalt fibrous, roof coating	424	-----	*Beef, fresh, corned and dried (meat and meat food products)	267	-----
Asphalt for mineral surfaced roofing	84	C159	Beet pulp (feeds and forage)	25c	-----
Asphalt, petroleum, for joint filler (squeegee or pouring method) type P A F-1-25	277	-----	*Beets, bloods trimmed, canned (vegetables)	271	-----
Asphalt plastic cement	380	-----	Belting, conveyor (stitched duck)	466	-----
Asphalt prepared roofing	214	C192	Belting, leather	37	C148
Asphalt prepared roofing and shingles, slate-surfaced	296	C285	*Berries, blackberries, blueberries, gooseberries, strawberries, raspberries, cranberries, and loganberries (fruits and fruit products)	270	-----
Asphalt primer for roofing and waterproofing	87	C162	Bibbs (plumbing fixtures for land use) (price, 15 cents)	448	C310
Asphalt-saturated rag felt for flashings	295	C286	*Biscuit (cereals and cereal products)	317	-----
Asphalt-saturated rag felt for roofing and waterproofing	86	C161	Bituminous built-up roofing, surfacing materials for	82	C158
Asphalt-saturated woven cotton fabric for waterproofing	294	C287	Blades, hacksaw	415	-----
Asphalt for unsurfaced built-up roofing	88	C168	Block for granite, recut granite, and durax granite pavements	510	-----
			Board, gypsum plaster	285	C210
			Board, gypsum wall	284	C211

## Alphabetical index of specifications—Continued

Title	Federal Specifications Board specification No.	Bureau of Standards Circular No.	Title	Federal Specifications Board specification No.	Bureau of Standards Circular No.
Boats, gravy (tableware, silver-plated)	411		Brushes, glue, round	401a	
Bolts (builders' hardware) (price, 15 cents)	336	C275	Brushes, marking	404a	
Boots, rubber, hip	492	C349	Brushes, paint, flat metal bound (high-grade)	515	
Boots, rubber, short, heavy	494	C350	Brushes, paint, flat metal bound (medium bound)	516	
Boots, rubber, short, light	493	C343	Brushes, radiator bronzing	517	
Bottle, hot-water, cloth-inserted	220a	C249	Brushes, roof, knotted style, three knots	518	
*Bottle, vinegar (glass tableware)	121a		Brushes, sash tool, oval	406a	
Bottles, hot-water, rubber	221a	C248	Brushes, stencil (flag ends cut)	519	
Bowls, gravy (tableware, silver-plated)	411		Brushes, stencil (flag ends preserved)	520	
Braces, ratchet	416		Brushes, varnish, flat (high-grade)	521	
Bran, wheat (feeds and forage)	25c		Brushes, varnish, flat (medium grade)	522	
Brass castings, naval and commercial	272		Brushes, wall stippling	523	
Brass castings to be brazed	286		Brushes, whitewash	524	
Brass pipe, seamless, iron pipe size, standard and extra strong	342a		Builders' hardware (price, 15 cents)	336	C275
Brass rods, bars, shapes, plates, sheets, and strips, commercial	392		Bunting, wool	497	C355
Brass tubing, seamless	427		Burlap, jute	499	C352
Brick, clay, common	504	C345	*Butter (dairy products)	381a	
Brick, clay, fire	263a	C299	*Butter, apple (fruits and fruit products)	270	
Brick, sand-lime, common	505	C347	Butts (builders' hardware) (price, 15 cents)	336	C275
Bronze, aluminum, ingots (for remelting)	173a		*Cabbage (vegetables)	271	
Bronze castings	172a		Cabinet locks (builders' hardware) (price, 15 cents)	336	C275
Bronze castings, aluminum	369a		Cabinets and furniture, steel, office sectional	408	
Bronze castings, manganese	370		Cabinets, insulated safes and	60	
Bronze ingots (for remelting)	290a		Cabinets and trays, office sectional furniture (wood)	359a	
Bronze, manganese, ingots (for remelting)	89		Cables, wires and, rubber covered, for ordinary purposes	65	
Bronze, phosphor, spring wire	532		*Cacao products, coffee, tea and	161a	
Broom, rattan push	204		Calcium carbide	470	
Broom, rattan (upright)	205		Calendar stands and pads	366	
Broom, scrubbing	206		*Cantaloupe (fruits and fruit products)	270	
Broom, wire push	207		Canvas cot, folding	240	
Brooms, corn	333a		Carbide, calcium	470	
Brooms, metal case	511		Carbon paper, black, lightweight (for typewriter use)	425	
Brooms, whisk	332		Carbon paper, black, standard weight (for typewriter use)	426	
Brush, blacking and dauber	191		Carbonate, sodium, granular (monohydrate crystals)	432	C317
Brush, calcimine	396		Carpets and rugs, Axminster	502	C353
Brush, casting	192		Carpets and rugs, Wilton	503	C356
Brush, clothes-scrubbing	193		Carpets, velvet, plain	501	C354
Brush, cuspidor	194		*Carrots (vegetables)	271	
Brush, deck-scrubbing	196		Castings, antifriction metal, and ingots	536	
Brush, dust, ceiling and wall	397		Castings, brass, to be brazed	286	
Brush, fiber, garage	398		Castings, brass, naval and commercial	272	
Brush, floor-scrubbing, hand	197		Castings, bronze	172a	
Brush, glue, flat	402		Castings, bronze, aluminum	369a	
Brush, hair, military	198		Castings, bronze, manganese	370	
Brush, hand scrub, white tampico	407		Castings, iron, gray	141	
Brush, lacquering, flat, camel hair	403		Castings, iron, high-test gray (semisteel)	140	
Brush, mottling, camel hair	405		Castings, iron, malleable	373a	
Brush, radiator-dusting	199		Castings, steel	170	
Brush, shaving	200				
Brush, sidewalk	201				
Brush, tooth	202				
Brush, window	203				
Brushes, dauber, long paddle	195a				
Brushes, flat fitch	399a				
Brushes, flowing, badger hair	512				
Brushes, flowing, camel hair	513				
Brushes, flowing, fitch or skunk hair	514				

## Alphabetical index of specifications—Continued

Title	Federal Specifications Board specification No.	Bureau of Standards Circular No.	Title	Federal Specifications Board specification No.	Bureau of Standards Circular No.
Catgut ligatures, boilable (surgical catgut suture material).....	357	-----	Coal-tar pitch for roofing.....	80	C157
Catheters, rubber.....	222	C225	Coal-tar pitch for waterproofing and damp proofing.....	83	C155
*Catsup, tomato (condiments).....	364	-----	Coal-tar saturated rag felt for roofing and waterproofing.....	81	C156
*Cauliflower, trimmed (vegetables).....	271	-----	Cocks (plumbing fixtures for land use) (price, 15 cents).....	448	C310
*Celery (vegetables).....	271	-----	*Cocoa (coffee, tea and cacao products).....	161a	-----
Cells and batteries, dry.....	58a	C139	*Coconut, shredded (miscellaneous provisions).....	389	-----
Cement, asphalt plastic.....	380	-----	Codfish, haddock or codfish and haddock (sea food).....	365a	-----
Cement, masonry.....	443	C321	*Coffee, tea, and cacao products.....	161a	-----
Cement, plastic magnesium (magnesia-oxychloride) used as flooring, bases, wainscots, etc.....	445	C323	Compound, rust-preventive, heavy.....	239	C200
Cement, Portland (price 10 cents).....	1a	C33	Compounds, rust-preventive, medium, and light.....	293	C214
Cement, rubber, for medical rubber goods.....	223	-----	Concrete pipe, plain.....	495	-----
*Cereals and cereal products.....	317	-----	Condenser tubes, and tubes for ferrule stock (Admiralty metal).....	374	-----
Chain and attachments, miscellaneous, standard.....	348	-----	*Condiments.....	364	-----
Chain, ship.....	171a	-----	Conduit, rigid, enameled.....	311	-----
Chairs, office.....	409	-----	Copper gaskets, asbestos, corrugated.....	93	-----
*Cheese, Cheddar, American, or American Cheddar (dairy products).....	351a	-----	Copper, ingot.....	120	-----
*Cheese, head (meat and meat food products).....	267	-----	Copper, phosphor.....	118	-----
Cheesecloth, bleached or semi-bleached.....	253a	C257	Copper pipe, seamless, and tubing, copper, seamless, standard iron pipe size.....	287	-----
Cheesecloth remnants for wiping purposes.....	344	-----	Copper rods, bars, shapes, plates, sheets, and strips.....	467	-----
Cheesecloth, unbleached.....	252b	C258	Copper, silicon.....	119	-----
Cheesecloth for wiping purposes.....	251a	C255	Coppers, soldering.....	439	-----
*Cherries, fresh and canned (fruits and fruit products).....	270	-----	Cord, sash, cotton braided.....	528	-----
*Chickens, roasting, fresh (meat and meat food products).....	267	-----	Cork, compressed (cork board).....	337	-----
Chimneys, lamp, and glass lantern globes.....	122	-----	Cork, ground, for insulating purposes.....	338	-----
Chinaware, vitrified.....	243a	-----	Corn (feeds and forage).....	25c	-----
Chisel bars, crow and pinch.....	434	-----	*Corn, green-sweet, canned (vegetables).....	271	-----
Chisels, gouges, and slicks, woodworkers'.....	438	-----	*Cornmeal, white or yellow (cereals and cereal products).....	317	-----
Chloride, ammonium (sal ammoniac).....	446	-----	*Cornstarch (cereals and cereal products).....	317	-----
*Chocolate, plain and vanilla, sweetened (coffee, tea, and cacao products).....	161	-----	Cot, folding, canvas.....	240	-----
Chrome, ferro.....	139	-----	Cot, hospital, folding.....	188	-----
Chrome, ore, ground.....	125	-----	Cot, liberty, steel.....	190	-----
Chrome yellow (lemon, medium and orange, dry, paste in oil, paste in japan).....	476	C331	Cots, rubber finger.....	224	C226
*Cinnamon (condiments).....	364	-----	Cotton, absorbent.....	288	-----
*Citron (fruits and fruit products).....	270	-----	Cotton airplane cloth, mercerized, grade A.....	258a	C270
*Clams, fresh (sea food).....	305a	-----	Cotton duck, numbered.....	53	C136
Clay brick, common.....	504	C345	Cotton braided sash cord.....	528	-----
Clay brick, fire.....	268a	C299	Cotton fabric for waterproofing, asphalt saturated woven.....	294	C287
Clay, fire.....	334a	C298	Cotton pillowcases, bleached.....	305	C277
Clay refractories, plastic fire.....	335a	C297	Cotton rags, colored, for wiping machinery (sterilized).....	259a	C261
Clay tile, hollow fireproofing, partition and furring.....	508	C343	Cotton rags, white, for wiping machinery (sterilized).....	261a	C264
Clay tile, hollow load-bearing wall.....	507	C342	Cotton rope.....	447	C326
Clay tile, hollow floor.....	506	C344	Cotton sheeting, bleached, wide.....	303	C273
Cloth, abrasive, aluminum oxide.....	387	-----	Cotton sheeting, brown.....	301	C272
Cloth, emery.....	388	-----	Cotton sheeting, brown wide.....	302	C278
Cloth, mercerized cotton airplane, grade A.....	258a	C270	Cotton sheets, bleached (medium and high count sheeting).....	304	C274
Cloths, wiping.....	260	C267	Cotton tablecloths.....	500	C351
*Cloves (condiments).....	364	-----			

## Alphabetical index of specifications—Continued

Title	Federal Specifications Board specification No.	Bureau of Standards Circular No.	Title	Federal Specifications Board specification No.	Bureau of Standards Circular No.
Cotton twine.....	530	-----	Enameled ironware (plumbing fixtures for land use) (price, 15 cents).....	448	C310
Cotton twine, seine.....	529	-----	Eosin Y (C. I. No. 768).....	318	-----
Cotton waste, colored.....	263a	C263	Erasers, steel.....	539	-----
Cotton waste, white.....	262a	C262	Ether, petroleum.....	310	-----
Cottonseed meal (feeds and forage).....	25c	-----	Extinguisher, fire, hand chemical (carbon tetrachloride), 1 quart.....	124	-----
Couplings, fire hose.....	38b	C114	Extinguishers, fire, hand chemical (soda-and-acid type).....	213	-----
*Crab meat (sea food).....	365a	-----	Fabric, cotton, for waterproofing, asphalt saturated woven.....	294	C287
*Crackers, soda, bulk (cereals and cereal products).....	317	-----	Fans, electric, desk and bracket type.....	491	-----
*Cream, fresh (dairy products).....	381a	-----	Fasteners, paper, brass.....	377	-----
Crowbars, chisel and pinch.....	434	-----	Faucets (plumbing fixtures for land use) (price, 15 cents).....	448	C310
*Cucumbers (vegetables).....	271	-----	Feeds and forage.....	25c	-----
Cupboard and locker equipment, steel.....	471	-----	Felt, asphalt saturated rag, for roofing and waterproofing.....	86	C161
Cups, sponge and pin.....	368	-----	Felt, coal-tar saturated rag, for roofing and waterproofing.....	81	C156
*Currants, dried (fruits and fruit products).....	270	-----	Felt, hair.....	158	-----
*Curry (condiments).....	364	-----	Felt, rag, for flashings, asphalt saturated.....	295	C286
Cushion course, materials for, brick, stone block, or wood block pavement (sand, slag, limestone screenings, etc.).....	465	-----	Ferromanganese.....	139	-----
Cushions, ring, cloth inserted.....	226a	C254	Ferromolybdenum.....	143	-----
Cushions, ring, rubber.....	227a	C246	Ferrosilicon.....	145	-----
Cutters, glass.....	435	-----	Ferrotitanium.....	144	-----
Cutters, pipe.....	437	-----	Ferrovandium.....	135	-----
Cyanide, sodium (for use as an insecticide in fumigation).....	355	-----	Ferrule stock, tubes for, and condenser tubes (Admiralty metal).....	374	-----
*Dairy products.....	381a	-----	Filler, joint, petroleum asphalt for (squeeze or pouring method) type PAF-1-25.....	277	-----
Dam, rubber.....	228	C218	Filler, mineral, for sheet asphalt or asphaltic concrete pavements (Portland cement, limestone dust, and dolomite dust).....	463	-----
Damp proofing, asphalt for waterproofing and.....	85	C160	Finger cots, rubber.....	224	C225
Damp proofing, coal-tar pitch for waterproofing and.....	83	C155	Fire extinguisher, hand chemical (carbon tetrachloride), 1 quart.....	124	-----
Denim, blue, indigo (shrunken).....	256b	C265	Fire extinguishers, hand chemical (soda-and-acid-type).....	213	-----
Denim, blue, indigo (unshrunken).....	257a	C266	Fire extinguishing liquid (carbon tetrachloride base).....	36a	C134
Denim, brown (shrunken).....	254b	C256	*Fish, fresh (sea food).....	365a	-----
Denim, brown (unshrunken).....	255a	C259	Fittings, pipe, cast-iron (threaded).....	489	-----
Dental amalgam alloy.....	356	-----	Fittings, pipe, malleable iron (threaded) (150 lb.).....	535	-----
Desks, steel.....	477	-----	Fixtures, plumbing (for land use) (price, 15 cents).....	448	C310
Desks, wood.....	358a	-----	Flax packing.....	101b	C239
Dishes and covers (tableware, silver-plated).....	411	-----	Flaxseed meal (feeds and forage).....	25c	-----
Dishes (vitrified chinaware).....	243a	-----	Flint paper.....	385	-----
Dividers.....	436	-----	*Flour, wheat, buckwheat, Graham (cereals and cereal products).....	317	-----
Drains (plumbing fixtures for land use) (price, 15 cents).....	448	C310	Fluoride, sodium (insecticide).....	354	-----
Dredging sleeves.....	42	-----	*Foods (see Provisions). Forage, feeds and.....	25c	-----
Drier, paint, liquid.....	20	C105	Forks, dessert and dinner (tableware, silver-plated).....	411	-----
Drills, breast.....	417	-----	*Fowl, fricasse, fresh (meat and meat food products).....	267	-----
Drills, hand, with hollow handle.....	509	-----	Frame, Gatch, adjustable spring bottom.....	189	-----
Dry cells.....	58a	C139			
Duck, cotton, numbered.....	53	C136			
Duck, light weight (Army duck, grey).....	159	C166			
Duck, tent (special construction for bleaching or dyeing, grey).....	160	C167			
Duster, counter.....	208a	-----			
Dusters, painters' flat.....	525	-----			
Dusters, painters' round.....	526	-----			
*Eggplant (vegetables).....	271	-----			
*Eggs (dairy products).....	381a	-----			
Electric lamps, large, tungsten filament incandescent.....	23b	C13			
Emery cloth.....	388	-----			
Enamel, red, water resisting.....	66	C146			

## Alphabetical index of specifications—Continued

Title	Federal Specifications Board specification No.	Bureau of Standards Circular No.	Title	Federal Specifications Board specification No.	Bureau of Standards Circular No.
Frames, saw, hack.....	479	-----	Gypsum, calcined.....	248	C206
*Fruits (fresh, canned, and dried) and fruit products.....	270	-----	Gypsum plaster.....	247	C205
Fuels, liquid, lubricants, and methods for sampling and testing (price, 15 cents).....	2d	(1)	Gypsum plaster board.....	285	C210
Furniture and cabinets, office, sectional, steel.....	408	-----	Gypsum wall board.....	284	C211
Furniture, office, sectional cabinets and trays, wood.....	359a	-----	Hacksaw blades.....	415	-----
Fuses, nonrefillable cartridge inclosed.....	56	-----	Hair felt.....	158	-----
Fuses, plug, nonrenewable.....	346	-----	*Hams, sweet pickled, smoked (meat and meat-food products).....	267	-----
Fuses, renewable, cartridge inclosed.....	176	-----	Hardware, builders' (price, 15 cents).....	336	C275
Garnet paper.....	386	-----	Hatchets.....	433	-----
Gaskets and couplings, fire hose.....	38b	C114	Hay (feeds and forage).....	25c	-----
Gaskets, asbestos-copper, corrugated.....	93	-----	*Hearts, beef, fresh (meat and meat-food products).....	267	-----
Gaskets, asbestos metallic cloth.....	97b	C242	Heaters, water (plumbing fixtures for land use) (price, 15 cents).....	448	C310
Gaskets, metallic encased.....	485	C336	Helmets, welders'.....	544	-----
Gaskets, rubber packing and (molded, sheet, and strip).....	111a	C235	Helmets, sandblasting.....	546	-----
Gasoline (lubricants and liquid fuels) (price, 15 cents).....	2d	(1)	Hinges (builders' hardware) (price, 15 cents).....	336	C275
Gauze, bandage, compressed.....	298	-----	Hominy feed, white and yellow (feeds and forage).....	25c	-----
Gauze, plain.....	289	-----	*Hominy grits (cereals and cereal products).....	317	-----
Gauze, roller bandage, plain, assorted.....	299	-----	*Hops (miscellaneous provisions).....	389	-----
General specification for—			Hose, air brake and signal, and gaskets.....	43	-----
Metals.....	339	-----	Hose, chemical.....	47	-----
Paper.....	394	-----	Hose, divers'.....	44b	C289
Rubber goods (price, 10 cents).....	59a	C232	Hose, fire, cotton rubber lined (couplings and gaskets).....	38b	C114
Textile materials.....	345	C293	Hose, fire, unlined linen.....	527	C358
Weighing scales.....	473	-----	Hose, gas.....	40b	C290
(German silver), nickel silver, rods, bars, shapes, plates, sheets, and strips.....	468	-----	Hose, gasoline, rubber metal.....	136a	C269
*Ginger (condiments).....	364	-----	Hose, oil suction and discharge.....	63b	C209
Glass cutters.....	435	-----	Hose, pneumatic.....	41b	C307
Glass, flat, for glazing purposes.....	123	C164	Hose, spray.....	45	-----
Glass lantern globes and lamp chimneys.....	122	-----	Hose, steam.....	49b	C268
*Glass tableware.....	121a	-----	Hose, tender (corrugated).....	46c	C288
Globes, glass, lantern, and lamp chimneys.....	122	-----	Hose, water suction (smooth bore).....	50a	C292
Gloves, rubber, for electrical workers (for use in connection with apparatus or circuits not exceeding 3,000 volts to ground).....	312	C271	Hose, water and wash deck.....	48b	C291
Gloves, rubber, surgeons'.....	229	C217	Hostery, sizes, measuring.....	92	-----
Goggles for protection against flying particles and chips.....	541	-----	Hydrants, wall (plumbing fixtures for land use) (price, 15 cents).....	448	C310
Goggles, rubber frame.....	542	-----	Ice bag, helmet shaped.....	216	C228
Goggles, welders.....	543	-----	Ice bags, rubber.....	217	C227
Gouges, slicks, and chisels, woodworkers'.....	438	-----	Ingot, aluminum.....	134	-----
Granite, block for, recut granite, and durax granite pavements.....	510	-----	Ingot, copper.....	120	-----
*Grapefruit (fruits and fruit products).....	270	-----	Ingots, aluminum bronze (for remelting).....	173a	-----
*Grapes (fruits and fruit products).....	270	-----	Ingots, antifriction metal, and castings.....	536	-----
Gravel, broken stone, broken slag or, for bituminous surface treatment.....	455	-----	Ingots, bronze (for remelting).....	290a	-----
Gravel for gravel roads.....	453	-----	Ingots, manganese bronze (for remelting).....	89	-----
Grease (lubricants and liquid fuels) (price, 15 cents).....	2d	(1)	Ink, black waterproof drawing.....	265a	C196
			Ink, drawing, colored waterproof.....	379	C301
			Ink, marking, indelible, for fabrics.....	266a	C197
			Ink, record and copying.....	163	C182
			Ink, red.....	165	C184
			Ink, stamp-pad.....	166	C185
			Ink, writing.....	164	C183
			Insect powder (pyrethrum powder).....	353	-----

1 Bureau of Mines Technical Paper No. 323B.

## Alphabetical index of specifications—Continued

Title	Federal Specifications Board specification No.	Bureau of Standards Circular No.	Title	Federal Specifications Board specification No.	Bureau of Standards Circular No.
(Insecticide in fumigation) sodium cyanide.....	355	-----	Lime, hydrated, for structural purposes.....	249	C204
(Insecticide) sodium fluoride.....	354	-----	Lime, quick, for structural purposes.....	250	C201
Iron bar, wrought, refined.....	391	-----	*Limes (fruits and fruit products).....	270	-----
Iron boiler tubes, lap welded, charcoal.....	349	-----	Linen fire hose, unlined.....	527	C358
Iron, cast, pipe fittings (threaded).....	489	-----	Linoleum, battleship.....	209	C191
Iron castings, gray.....	141	-----	Linoleum, plain, inlaid, and printed.....	210	C190
Iron castings, high test gray (semi-steel).....	140	-----	Linseed cake and meal (feeds and forage).....	25c	-----
Iron castings, malleable.....	378	-----	Liquid, fire extinguishing (carbon tetrachloride base).....	36a	C134
Iron, pig, foundry.....	126	-----	*Liver, beef, fresh (meat and meat food products).....	267	-----
Iron pipe, centrifugally cast, water.....	537	-----	Locker equipment, cupboard, and steel.....	471	-----
Iron pipe fittings, malleable (threaded) (150 lb.).....	535	-----	Locks (builders' hardware) (price, 15 cents).....	336	C275
Iron and steel welding wire.....	174	-----	Lubricants and liquid fuels, and methods for sampling and testing (price, 15 cents).....	2d	(1)
Iron unions, or steel, malleable.....	393	-----	Lumber (grading and inspection rules).....	24	-----
Ironware, enameled (plumbing fixtures for land use) (price, 15 cents).....	448	C310	Lumber, softwood, yard and factory.....	533a	-----
Jacks.....	481	-----	*Luncheon meat, chilled and frozen (meat and meat products).....	267	-----
*Jams, assorted (fruits and fruit products).....	270	-----	Lye, soda, caustic (for cleaning purposes).....	430	C315
*Jelly (fruits and fruit products).....	270	-----	*Macaroni (cereals and cereal products).....	317	-----
*Kale (vegetables).....	271	-----	*Mace (condiments).....	364	-----
Kerosene (lubricants and liquid fuels) (price, 15 cents).....	2d	(1)	*Mackerel, salted (sea food).....	365a	-----
*Kidneys, beef, fresh (meat and meat food products).....	267	-----	Magnesia asbestos plaster.....	211	-----
Knife (see Erasers, steel).....	488	-----	Magnesia cement, plastic (magnesia-oxychloride) used as flooring, bases, wainscots, etc.....	445	C323
Knives, drawing.....	488	-----	Magnesia molded pipe covering and blocks.....	212	-----
Knives, shoe.....	442	-----	Manganese bronze castings.....	370	-----
Knives, tea, dessert, and dinner (tableware, silver-plated).....	411	-----	Manganese bronze ingots (for remelting).....	89	-----
Ladles, plumbers.....	474	-----	Manganese, ferro.....	138	-----
Lamps, electric, incandescent, large, tungsten filament.....	23b	C13	Manganese ore.....	142	-----
*Lard, pork, and lard substitute (dairy products).....	381a	-----	Manholes (plumbing fixtures for land use) (price, 15 cents).....	448	C310
Latches (builders' hardware) (price, 15 cents).....	336	C275	*Marmalade (fruits and fruit products).....	270	-----
Laundry trays (porcelain, slate, and soapstone) (plumbing fixtures) (price, 15 cents).....	448	C310	Masks, babbitting.....	545	-----
Lavatories (plumbing fixtures for land use) (price, 15 cents).....	448	C310	Matches, safety (full size in boxes).....	428	C318
Lead, pig.....	117	-----	Matting, rubber.....	382	C306
Lead, red, dry and paste.....	11	C90	Matting, rubber, for use around electrical apparatus or circuits not exceeding 3,000 volts to ground.....	414	C312
Lead, sheet.....	308	-----	Meal, alfalfa, corn (feeds and forage).....	25c	-----
Lead-tin solder.....	313	-----	Measuring devices, liquid, retail type.....	362	-----
Lead, white, basic carbonate, dry and paste.....	5	C84	*Meat and meat food products.....	267	-----
Lead, white, basic sulphate, dry and paste.....	6	C85	Metal, antifriction, ingots and castings.....	536	-----
Leather, bag.....	482	C338	Metals, general specification for.....	339	-----
Leather belting.....	37	C148	Metol (monomethyl-para amino-phenol sulphate).....	421	-----
Leather, hydraulic packing (vegetable tanned).....	496	C340			
Leather, lace.....	184	C213			
Leather, rigging.....	483	C339			
Leather, sole.....	241	C198			
Leather, upholstery.....	183	C212			
*Lemons (fruits and fruit products).....	270	-----			
*Lettuce (vegetables).....	271	-----			
Ligatures, catgut, boilable (surgical catgut suture material).....	357	-----			

<sup>1</sup> Bureau of Mines Technical Paper No. 323B.



## Alphabetical index of specifications—Continued

Title	Federal Specifications Board specification No.	Bureau of Standards Circular No.	Title	Federal Specifications Board specification No.	Bureau of Standards Circular No.
Middlings, standard and flour (feeds and forage).....	25c	-----	Packing, fabric condenser tube.....	99	-----
*Milk, fresh, evaporated, dried, and malted, condensed (dairy products).....	381a	-----	Packing, fiber, for lubricating and fuel oil.....	100	-----
Millboard, asbestos.....	54	-----	Packing, flax.....	101b	C239
*Mincedmeat (miscellaneous provisions).....	389	-----	Packing, hard fiber sheet.....	486	C335
Mineral filler for sheet asphalt or asphaltic concrete pavements (Portland cement, limestone dust, and dolomite dust).....	463	-----	Packing, hydraulic, leather (vegetable tanned).....	496	C340
Molybdenum, ferro.....	143	-----	Packing, low-pressure spiral gland.....	104a	C237
Mosquito netting (unbleached bobbinet).....	540	-----	Packing, metallic (fixed ring type).....	105	-----
*Mustard, ground (condiments).....	364	-----	Packing, metallic, flexible.....	102	-----
*Mutton, fresh (meat and meat food products).....	267	-----	Packing, metallic, plastic.....	106	-----
Nail pullers.....	418	-----	Packing, semimetallic.....	107	-----
Nails, spikes, tacks, and staples.....	534	-----	Packing, metallic, solid (floating ring type).....	108	-----
Netting, mosquito (unbleached bobbinet).....	540	-----	Packing rings for boiler blow-off valves.....	109	-----
Nickel, for remelting.....	371	-----	Packing, rubber, cloth insertion.....	110a	C236
Nickel silver, rods, bars, shapes, plates, sheets, and strips (German silver).....	468	-----	Packing, rubber, wire insertion.....	112a	C234
Nickel steel, structural.....	372	-----	Packing, tucks.....	113a	C233
*Nutmeg (condiments).....	364	-----	Packings, rubber, and gaskets (molded, sheet, and strip).....	111a	C235
*Nuts (miscellaneous provisions).....	389	-----	Padlocks.....	413a	-----
*Oatmeal (cereals and cereal products).....	317	-----	Pads and stands, calendar.....	366	-----
Oats (feeds and forage).....	25c	-----	Pads, surgical operating.....	230a	C245
*Oats, rolled (cereals and cereal products).....	317	-----	Paint, black, semipaste and ready mixed.....	14b	C94
Ocher, dry and paste.....	12	C91	Paint drier, liquid.....	20	C105
Oil, cottonseed (edible grade).....	73	-----	Paint, green, semipaste and ready mixed.....	15	C97
Oil, linseed, boiled.....	475a	C330	Paint, lithopone, interior, white and light tints, flat or eggshell finish (semipaste and ready mixed).....	21b	C111
Oil, linseed, raw.....	4a	C82	Paint, lithopone, gloss interior, white and light tints.....	67	C147
Oil, olive (edible grade).....	77	-----	Paint, olive drab (semipaste and ready mixed).....	137a	C165
Oil, road, for hot application (type OH-1-25).....	275	-----	Paint, outside white titanium-zinc (semipaste and ready mixed).....	278	C215
Oilcloth, table, white.....	498	C357	Paint, white, and tinted paints made on a white base, semipaste and ready mixed.....	10b	C89
Oils, burning, fuel, lubricating, and mineral (lubricants and liquid fuels) (price, 15 cents).....	2d	(1)	Paints, composite vehicle for thinning semipaste, when the use of straight linseed oil is not justified.....	17	C102
*Oleomargarine (dairy products).....	381a	-----	Paints, iron oxide and iron hydroxide.....	13b	C93
*Onions, green, staple (vegetables).....	271	-----	Paints, thinning, volatile mineral spirits for.....	16	C98
*Oranges (fruits and fruit products).....	270	-----	Paper, blotting, 25 per cent rag, white and colored.....	127a	-----
Ore, chrome, ground.....	125	-----	Paper, blotting, desk, colored.....	128a	-----
Ore, manganese.....	142	-----	Paper, blotting, white and colored.....	327	-----
Oxide, leaded zinc, dry and paste.....	9	C88	Paper, blue print, No. 1 grade (sensitized and unsensitized).....	179	-----
Oxide, zinc, dry and paste.....	8	C87	Paper, blue print, No. 2 grade (sensitized and unsensitized).....	180	-----
(Oxychloride, magnesia), plastic (magnesia cement, used as flooring, bases, wainscots, etc.).....	445	C323	Paper, blue print, No. 3 grade (sensitized and unsensitized).....	181	-----
*Oysters, fresh (sea food).....	365a	-----	Paper, bond, 50 per cent rag, white and colored.....	320	-----
Packing, asbestos high pressure rod.....	103a	C238	Paper, bond, 100 per cent rag, white.....	319	-----
Packing, asbestos metallic cloth sheet.....	94b	C243			
Packing, asbestos sheet, compressed.....	96b	C241			
Packing, asbestos valve stem.....	95	-----			
Packing, asbestos wick and rope.....	487	C334			
Packing, diaphragm.....	98a	C240			

1 Bureau of Mines Technical Paper No. 323B.

## Alphabetical index of specifications—Continued

Title	Federal Specifications Board specification No.	Bureau of Standards Circular No.	Title	Federal Specifications Board specification No.	Bureau of Standards Circular No.
Paper, bond, sulphite, white and colored.....	328		Phosphor tin.....	116	
Paper, brown process (sensitized and unsensitized).....	182a		*Pickles (condiments).....	364	
Paper, carbon, black, lightweight (for typewriter use).....	425		Pigment, titanium, dry and paste.....	115	C163
Paper, carbon, black, standard weight (for typewriter use).....	426		Pillowcases, cotton, bleached.....	305	C277
Paper, chart.....	129a		Pillowcases, rubber.....	231	C224
Paper fasteners, brass.....	377		Pillows, air, rubber.....	232a	C252
Paper, flint.....	385		Pinch bars, crow and chisel.....	434	
Paper, garnet.....	386		*Pineapples, fresh, canned (fruits and fruit products).....	270	
Paper, general specification for.....	394		Pipe, brass, seamless, iron pipe size, standard and extra strong.....	342a	
Paper, ledger, 75 per cent rag, white and colored.....	322		Pipe, cast-iron, soil, and fittings, coated and uncoated.....	343	
Paper, ledger, 100 per cent rag, heavy, white.....	330		Pipe, concrete, plain.....	495	
Paper, ledger, 100 per cent rag, white.....	321		Pipe, copper, seamless, and tubing, copper, seamless, standard iron pipe size.....	287	
Paper, manifold, 50 per cent rag, white and colored, glazed.....	331a		Pipe covering and blocks, magnesia molded.....	212	
Paper, manifold, 50 per cent rag, white and colored, unglazed.....	484a		Pipe cutters.....	437	
Paper, manifold, 100 per cent rag, white and colored.....	323		Pipe fittings, cast-iron (threaded).....	489	
Paper, map, lithograph-finish.....	324		Pipe fittings, malleable iron (threaded) (150 lb.).....	535	
Paper, map, 50 per cent rag, lithograph-finish.....	325		Pipe threads.....	238	
Paper, map, 75 per cent rag, lithograph-finish.....	326		Pipe, water, centrifugally-cast iron.....	537	
Paper, mimeograph.....	130a		Pipe, welded steel (black and galvanized).....	162a	
Paper, mimeograph, 50 per cent rag.....	131a		Pipe, wrought iron (welded) (black and galvanized).....	242	
Paper, wrapping, kraft.....	177a		*Pitchers, sirup (glass tableware).....	121a	
Paper, wrapping, rope manila.....	133a		Pitchers, water, cream and ice, (tableware, silver-plated).....	411	
Paper, wrapping, sulphite manila.....	178a		Plaster board, gypsum.....	285	C210
Paper, wrapping, wood manila.....	132a		Plaster, gypsum.....	247	C205
Paper, writing, sulphite, white and colored.....	329		Plaster, magnesia asbestos.....	211	
*Parsley (vegetables).....	271		Plates, copper, bars, rods, shapes, sheets, and strips.....	467	
*Parsnips (vegetables).....	271		Plates, nickel silver, rods, bars, shapes, sheets, and strips (German silver).....	468	
Paste, office and library.....	412		Plumbers ladders.....	474	
Paste, polishing.....	340		Plumbing fixtures (for land use) (price, 15 cents).....	448	C310
Pavement construction, asphalt for use in road and.....	276a		*Plums (fruits and fruit products).....	270	
Pavements, block for granite, re-cut granite, and durax granite.....	510		Polish, liquid metal.....	341	
*Peaches, fresh, canned and evaporated (fruits and fruit products).....	270		Polish, silver.....	390	
*Pears, fresh, canned and evaporated (fruits and fruit products).....	270		Polishing paste.....	340	
*Peas, green in pods and canned (vegetables).....	271		Porcelain ware (plumbing fixtures for land use) (price, 15 cents).....	448	C310
*Pepper (condiments).....	364		*Pork, fresh, frozen, sausage (meat and meat food products).....	267	
*Peppers, green, sweet (vegetables).....	271		*Potatoes, Irish, sweet (vegetables).....	271	
Petroleum asphalt for joint filler (squeegee or pouring method) type PAF-1-25.....	277		Pots, coffee, tea, chocolate (tableware, silver-plated).....	411	
Petroleum ether.....	310		Powder, insect (pyrethrum powder).....	353	
Phosphor bronze spring wire.....	532		Powder, soap.....	28	C125
Phosphor copper.....	118		*Powders, baking, tartaric acid (miscellaneous provisions).....	389	
			Preservatives, wood, and processes of treatment.....	395	
			*Preserves (fruits and fruit products).....	270	

## Alphabetical index of specifications—Continued

Title	Federal Specifications Board specification No.	Bureau of Standards Circular No.	Title	Federal Specifications Board specification No.	Bureau of Standards Circular No.
*Provisions:					
*Cereals and cereal products.....	317	-----	Roofing, asphalt primer for, and waterproofing.....	87	C162
*Coffee, tea, and cacao products.....	161a	-----	Roofing, asphalt saturated rag felt for, and waterproofing.....	86	C161
*Condiments.....	364	-----	Roofing, asphalt for unsurfaced built-up.....	88	C168
*Dairy products.....	381a	-----	Roofing, coal-tar pitch for.....	80	C157
*Fruits (fresh, canned, and dried) and fruit products.....	270	-----	Roofing, coal-tar saturated rag felt for, and waterproofing.....	81	C156
*Meat and meat food products.....	267	-----			
*Miscellaneous provisions.....	389	-----	Roofing, construction of built-up, type 3ACS.....	148	C172
*Sea food (fresh, salt, smoked, and canned).....	365a	-----	Roofing, construction of built-up, type 3TCS.....	151	C175
*Sugar and sugar products.....	315a	-----	Roofing, construction of built-up, type 4ACS.....	149	C173
*Vegetables (fresh, canned, and dried).....	271	-----	Roofing, construction of built-up, type 4AWS.....	146	C170
*Prunes, canned, evaporated (fruits and fruit products).....	270	-----	Roofing, construction of built-up, type 4TCS.....	152	C176
Pullers, nail.....	418	-----	Roofing, construction of built-up, type 4TWS.....	154	C178
Pulleys (builders' hardware) (price, 15 cents).....	336	C275	Roofing, construction of built-up, type 3ACS.....	150	C174
*Pumpkins, fresh, canned (vegetables).....	271	-----	Roofing, construction of built-up, type 3AWS.....	147	C171
Putty.....	283	C216	Roofing, construction of built-up, type 3TCS.....	153	C177
Pyrethrum powder (insect powder).....	353	-----	Roofing, construction of built-up, type 3TWS.....	155	C179
Quicklime for structural purposes.....	250	C201	Roofing, installation of metal flashings with built-up bituminous.....	156	C180
Radio receiving electron tubes.....	410	-----	Roofing, installation of plastic flashings with bituminous built-up.....	157	C181
*Radishes, fresh (vegetables).....	271	-----	Roofing, prepared, asbestos and asphalt, slate-surfaced.....	423	-----
Rag felt for asphalt saturated roofing and waterproofing.....	86	C161	Roofing and shingles, asphalt prepared, slate-surfaced.....	296	C285
Rag felt for flashings, asphalt saturated.....	295	C286	Roofing, surfacing materials for bituminous built-up.....	82	C158
Rags, colored cotton, for wiping machinery (sterilized).....	259a	C261			
Rags, white cotton, for wiping machinery (sterilized).....	261a	C264	Rope, cotton.....	447	C326
*Raisins (fruits and fruit products).....	270	-----	Rope, manila.....	61a	C324
Receptacles, waste paper, fiber.....	530	-----	Rope, wire (price, 15 cents).....	297	C208
Red lead, dry and paste.....	11	C90	Rubber aprons, surgeons'.....	215a	C247
Refractories, plastic fire-clay.....	335a	C297	Rubber bandages.....	219	C219
Refrigerators.....	274	-----	Rubber bands.....	64a	C284
*Rhubarb, fresh (vegetables).....	271	-----	Rubber boots, hip.....	492	C349
Ribbons, computing and recording machine.....	169a	C188	Rubber boots, short, heavy.....	494	C350
Ribbons, hectograph.....	168a	C187	Rubber boots, short, light.....	493	C348
Ribbons, typewriter.....	167a	C186	Rubber catheters.....	222	C225
*Rice (cereals and cereal products).....	317	-----	Rubber cement for medical rubber goods.....	223	-----
Ring cushions, cloth-inserted.....	226a	C254	Rubber-covered wires and cables for ordinary purposes.....	65	-----
Ring cushions, rubber.....	227a	C246	Rubber dam.....	228	C218
Rings, rubber jar.....	51	-----	Rubber finger cots.....	224	C226
Road oil for hot application (type OH-1-25).....	275	-----	Rubber gloves for electrical workers (for use in connection with apparatus or circuits not exceeding 3,000 volts to ground).....	312	C271
Road and pavement construction, asphalt for use in.....	276a	-----	Rubber gloves, surgeons'.....	229	C217
Road surface materials, for topsoil or sand-clay.....	452	-----	Rubber goods, general specification for (methods of physical tests and chemical analysis) (price, 10 cents).....	59a	C232
Rods, copper, bars, shapes, plates, sheets, and strips.....	467	-----	Rubber hose, metal, gasoline.....	136a	C269
Rods, nickel silver, bars, shapes, plates, sheets, and strips (German silver).....	468	-----	Rubber hot-water bottles.....	221a	C248
Rods, welding, nonferrous, for gas welding.....	269	-----	Rubber ice bags.....	217	C227
Roof coating, asphalt fibrous.....	424	-----			
Roofing, asphalt for mineral surfaced.....	84	C159			
Roofing, asphalt prepared.....	214	C192			

## Alphabetical index of specifications—Continued

Title	Federal Specifications Board specification No.	Bureau of Standards Circular No.	Title	Federal Specifications Board specification No.	Bureau of Standards Circular No.
Rubber jar rings.....	51	-----	Screws, wood.....	52a	C140
Rubber-lined fire hose, cotton (couplings and gaskets).....	38b	C114	Scribers, machinists'.....	441	-----
Rubber matting.....	382	C306	*Sea food (fresh, salt, smoked, and canned).....	365a	-----
Rubber matting, for use around electrical apparatus or circuits not exceeding 3,000 volts to ground.....	414	C312	Seams, stitches, and stitching (price, 20 cents).....	384	C283
Rubber packing, cloth-insertion.....	110a	C236	Sets, hand saw.....	440	-----
Rubber packing, wire-insertion.....	112a	C234	Shades, window, shade cloth, rollers, slats, cords, and accessories.....	367a	-----
Rubber packings and gaskets (molded, sheet, and strip).....	111a	C235	*Shakers, salt and pepper (glass tableware).....	121a	-----
Rubber pillowcases.....	231	C224	Shakers, salt and pepper (tableware, silver-plated).....	411	-----
Rubber pillows, air.....	232a	C252	Shapes, copper, bars, rods, plates, sheets, and strips.....	467	-----
Rubber ring cushions.....	227a	C246	Shapes, nickel silver, rods, bars, plates, sheets, and strips (German silver).....	468	-----
Rubber sheeting.....	233a	C253	Shaves, spoke.....	450	-----
Rubber stoppers.....	383	C303	Shears and scissors.....	361	-----
Rubber syringe, fountain.....	235a	C251	Shears, tinners', hand (snips).....	451	-----
Rubber tape, insulating.....	292	C230	Sheeting, cotton, bleached wide.....	308	C273
Rubber tips for crutches.....	225	C223	Sheeting, cotton, brown.....	301	C272
Rubber tires, solid and pneumatic, and inner tubes.....	3c	C115	Sheeting, cotton, brown, wide.....	302	C278
Rubber tubing.....	39b	C305	Sheeting, rubber.....	233a	C253
Rubber valves.....	114a	C244	Sheets, copper, bars, rods, shapes, plates, and strips.....	467	-----
Rugs, carpets and, axminster.....	502	C353	Sheets, cotton, bleached (medium and high-count sheeting).....	304	C274
Rugs, carpets and, wilton.....	503	C356	Sheets, nickel silver, rods, bars, shapes, plates, and strips (German silver).....	468	-----
Rulers, desk.....	360	-----	Shellac, flake orange.....	375	C302
Rules.....	419	-----	Shellac varnish.....	376	C303
Rust-preventive compound, heavy.....	239	C200	Shields, welders' hand.....	547	-----
Rust-preventive compounds, medium and light.....	293	C214	Shingles and roofing, asphalt prepared, slate-surfaced.....	296	C285
Safes, burglar-resisting.....	353	-----	*Shortening, vegetable (dairy products).....	381a	-----
Safes and cabinets, insulated.....	60	-----	Shorts, brown and gray (feeds and forage).....	25c	-----
*Sage (condiments).....	364	-----	Shower fixtures (plumbing fixtures for land use) (price, 15 cents).....	448	C310
(Sal ammoniac), ammonium chloride.....	446	-----	Silicon copper.....	119	-----
*Salmon, canned (sea food).....	365a	-----	Silicon, ferro.....	145	-----
*Salt (condiments).....	364	-----	Silver, nickel, rods, bars, shapes, plates, sheets, and strips (German silver).....	468	-----
Sand for cement grout filler, brick and stone block pavements.....	461	-----	Silver solder.....	307	-----
Sand for cement mortar bed for brick, stone block, or wood block pavements.....	462	-----	Sinks (plumbing fixtures for land use) (price, 15 cents).....	448	C310
Sand-lime brick, common.....	505	C347	*Sirup, sugar cane, sugar and maple, blended, corn and refiner's (sugar and sugar products).....	315	-----
Sands for use in sheet asphalt or bituminous concrete pavements.....	460	-----	*Sirup (sugar and sugar products).....	315a	-----
Sandblasting helmets.....	546	-----	Sizes of hosiery, measuring.....	92	-----
*Sardines, canned (sea food).....	365a	-----	Slag, broken, and broken stone for binder course, sheet asphalt pavement.....	459	-----
Sash cord, cotton braided.....	528	-----	Slag, broken, and broken stone for bituminous concrete base or surface course.....	458	-----
*Sauce, apple (fruits and fruit products).....	270	-----	Slag, broken, and broken stone for bituminous macadam base or surface course.....	457	-----
*Sauce, chili and Worcestershire type (condiments).....	364	-----	Slag, broken, broken stone, or gravel for bituminous surface treatment.....	455	-----
*Sauerkraut, canned (vegetables).....	271	-----			
*Sausage, bologna, frankfurter, pork, and vienna styles (meat and meat-food products).....	267	-----			
Saw blades, hack.....	415	-----			
Saw frames, hack.....	479	-----			
Saw, hand, sets.....	440	-----			
Saws.....	480	-----			
Scales, railroad-track.....	314	-----			
Scales, weighing, general specification for.....	473	-----			
*Scallions, green (vegetables).....	271	-----			
Scissors, shears and.....	361	-----			
Scrapers, crumb (tableware, silver-plated).....	411	-----			

## Alphabetical index of specifications—Continued

Title	Federal Specifications Board specification No.	Bureau of Standards Circular No.	Title	Federal Specifications Board specification No.	Bureau of Standards Circular No.
Slag, broken and broken stone for waterbound base or wearing course.....	456	-----	Steel (semi), high-test gray iron castings.....	140	-----
Slate (plumbing fixtures for land use) (price, 15 cents).....	448	C310	Steel, structural, for bridges.....	351	-----
Slate-surfaced asphalt and asbestos prepared roofing.....	423	-----	Steel, structural, for buildings.....	352	-----
Slate-surfaced, asphalt prepared roofing and shingles.....	296	C285	Steel, structural, for cars.....	373	-----
Sleeves, dredging.....	42	-----	Steel, structural nickel.....	372	-----
Slicks, gouges and chisels, wood-workers'.....	438	-----	Steel, structural, for ships other than naval vessels.....	469	-----
(Snips), tinnerns' hand shears.....	451	-----	Steel tubes, seamless, for aircraft purposes.....	490	-----
Soap, automobile.....	30	C127	Steel unions, malleable iron or.....	393	-----
Soap, chip.....	31	C128	Steel welding wire, iron and.....	174	-----
Soap, grit, cake.....	33a	C130	Sterilizers, dressing containers and stands, portable lockers for use in conjunction with sterilizers, electric heaters, and steam sterilizing apparatus.....	68a	-----
Soap, grit, hand.....	35	C132	Stitches, seams, and stitching (price, 20 cents).....	384	C283
Soap, laundry, ordinary.....	32	C129	Stone, broken, broken slag for bituminous concrete base or surface course.....	458	-----
Soap, liquid.....	27	C124	Stone, broken, and broken slag for bituminous macadam base or surface course.....	457	-----
Soap, liquid (for laundry use).....	246	C193	Stone, broken, broken slag, or gravel for bituminous surface treatment.....	455	-----
Soap powder.....	28	C125	Stone, broken, and broken slag for binder course, sheet asphalt pavement.....	459	-----
Soap, powdered (for laundry use).....	245	C195	Stone, broken, and broken slag for waterbound base or wearing course.....	456	-----
Soap, salt-water.....	29	C126	Stoppers, rubber.....	383	C308
Soap, scouring compound, scouring compounds for floors.....	34	C131	Straw (feeds and forage).....	25c	-----
Soap, toilet, milled.....	244	C194	Strips, copper, rods, bars, shapes, sheets, and plates.....	467	-----
Soap, white, floating (for toilet use).....	26	C123	Strips, nickel silver, bars, rods, shapes, plates, and sheets (German silver).....	468	-----
Soapstones (plumbing fixtures for land use) (price, 15 cents).....	448	C310	*Sugar and sugar products.....	315a	-----
Soda ash.....	429	C314	(Sulphate, mono-methyl-para-aminophenol) metal.....	421	-----
*Soda, baking (sodium bicarbonate) (miscellaneous provisions).....	389	-----	Sweep, floor, hair.....	400	-----
Soda, caustic (lye) for cleaning purposes.....	430	C315	Switches, knife.....	175	-----
Soda, laundry (washing soda).....	431	C316	Switches, snap.....	62	-----
Sodium carbonate, granular (monohydrate crystals).....	432	C317	Syringe, cloth-inserted fountain.....	234a	C250
Sodium cyanide (for use as an insecticide in fumigation).....	355	-----	Syringe, rubber fountain.....	235a	C251
Sodium fluoride (insecticide).....	354	-----	Tablecloths, cotton.....	500	C351
Solder, silver.....	307	-----	Tables and stands, wood.....	478	-----
Solder, spelter (for brazing).....	306	-----	*Tableware, glass.....	121a	-----
Solder, tin-lead.....	313	-----	Tableware, silver-plated.....	411	-----
Soldering coppers.....	439	-----	Tacks, staples, nails, and spikes.....	534	-----
*Spaghetti (cereals and cereal products).....	317	-----	*Tangerines (fruits and fruit products).....	270	-----
Spelter solder (for brazing).....	306	-----	Tanks, hot-water (plumbing fixtures for land use) (price, 15 cents).....	448	C310
Spelter (zinc, slab).....	91a	-----	Tape, friction.....	291	C229
*Spices, ground (condiments).....	364	-----	Tape, rubber-insulating.....	292	C230
Spiegeleisen.....	273	-----	*Tapioca (cereals and cereal products).....	317	-----
Spikes, tacks, staples, and nails.....	534	-----	Tar, coal, pitch for roofing.....	80	C157
*Spinach, fresh, canned (vegetables).....	271	-----	Tar, coal, pitch for waterproofing and damp proofing.....	83	C155
Spoons, dessert, soup, tea, and table (tableware, silver-plated).....	411	-----	Tar, coal, saturated rag felt for roofing and waterproofing.....	81	C156
Spring bottom, adjustable (Gatch frame).....	189	-----			
*Squash, summer, winter, or Hubbard (vegetables).....	271	-----			
Stands, tables and, wood.....	478	-----			
Staples, nails, spikes, and tacks.....	534	-----			
Steel blooms, billets, slabs, and bars for reforging, carbon and alloy.....	316	-----			
Steel castings.....	170	-----			

## Alphabetical index of specifications—Continued

Title	Federal Specifications Board specification No.	Bureau of Standards Circular No.	Title	Federal Specifications Board specification No.	Bureau of Standards Circular No.
Tar, refined, for construction	282		Unions, malleable iron or steel	393	
Tar, refined, for hot application (type TH-1-25)	280		Urinals (plumbing fixtures for land use) (price, 15 cents)	448	C310
Tar for use in repair work	281		Valves (plumbing fixtures for land use) (price, 15 cents)	448	C310
Tars for cold application	279		Valves, rubber	114a	C244
*Tea, coffee, and cacao products	161a		Vanadium, ferro	135	
Tent duck (special construction for bleaching or dyeing, grey)	160	C167	Varnish, asphalt	19	C104
Textile materials, general specification for (methods of physical and chemical tests)	345	C293	Varnish, interior	22	C117
Thermometers, clinical	309		Varnish, shellac	376	C303
Thermometers, industrial	472		Varnish, spar, water resisting	18b	C103
Threads, pipe	238		*Veal, fresh (meat and meat-food products)	267	
*Thyme (condiments)	364		*Vegetables (fresh, canned, and dried)	271	
Tile, clay, hollow, floor	506	C344	*Vermicelli (cereals and cereal products)	317	
Tile, clay, hollow, load-bearing wall	507	C342	*Vinegars (condiments)	364	
Tile, clay, hollow, fireproofing, partition and furring	508	C343	Vitrified chinaware	243a	
Tin-lead solder	313		Walters (tableware, silver-plated)	411	
Tin, phosphor	116		Wall board, gypsum	284	C211
Tin, pig	90		Waste, cotton, colored	263a	C263
Tips for crutches, rubber	225	C223	Waste, cotton, white	262a	C262
Tires, pneumatic, solid rubber and inner tubes	3c	C115	Waste, wool, colored	264a	C260
Titanium, ferro	144		Water-closets (plumbing fixtures for land use) (price, 15 cents)	448	C310
Titanium pigment, dry and paste	115	C163	Water heaters (plumbing fixtures for land use) (price, 15 cents)	448	C310
Titanium-zinc paint, outside white (semipaste and ready mixed)	278	C215	*Watermelons (fruits and fruit products)	270	
*Tomatoes, fresh, canned (vegetables)	271		Waterproofing, asphalt for, and damp proofing	85	C160
*Tongue, beef, canned (meat and meat-food products)	267		Waterproofing, asphalt primer for roofing and	87	C162
Toothbrush	202		Waterproofing, asphalt saturated rag felt for roofing and	86	C161
Towels, buck (with woven name)	422	C313	Waterproofing, asphalt-saturated, woven cotton fabric for	294	C287
Trays (tableware, silver-plated)	411		Waterproofing, coal-tar pitch for and damp proofing	83	C155
Trays, office sectional furniture, cabinets, wood	359a		Waterproofing, coal-tar saturated rag felt for roofing and	81	C156
Tube, colon	236	C221	Waterproofing material, integral, water-repellent type (for use with Portland cement mortar or concrete)	444	C322
Tube, stomach or lavage	237	C220	Wax, sealing	420	
Tubes, boiler, iron, lap welded charcoal	349		Welders' goggles	543	
Tubes, boiler, lap welded and seamless steel	347		Welders' hand shields	547	
Tubes, condenser, and tubes for ferrule stock (Admiralty metal)	374		Welders' helmets	544	
Tubes, inner, pneumatic and solid tires, rubber	3c	C115	Welding rods, nonferrous for gas welding	269	
Tubes, radio receiving electron	410		Welding wire, iron and steel	174	
Tubes, seamless steel, for aircraft purposes	490		Wheat, red dog, grain (feeds and forage)	25c	
Tubing, brass, seamless	427		Wire rope (price, 15 cents)	297	C208
Tubing, copper, seamless, and pipe, copper, seamless, standard iron pipe size	287		Wire, spring, phosphor bronze	532	
Tubing, flexible, nonmetallic	57		Wire, welding, iron and steel	174	
Tubing, rubber	39b	C305	Wires and cables, rubber covered, for ordinary purposes	65	
*Tumbler (glass tableware)	121a		Wood preservatives, and processes of treatment	395	
*Tuna fish, canned (sea food)	365a		Wool bunting	497	C355
Tureens, soup (tableware, silver-plated)	411		Wool waste, colored	264a	C602
*Turkeys, fresh, chilled and frozen (meat and meat food products)	267		*Yeast (miscellaneous provisions)	389	
*Turnips, white and yellow (vegetables)	271		Zinc oxide, dry and paste	8	C87
Turpentine (gum spirits of turpentine and steam distilled wood turpentine)	7b	C86	Zinc oxide, leaded, dry, and paste	9	C88
Twine, cotton	530		Zinc paint, titanium, outside white (semipaste and ready mixed)	278	C215
Twine, cotton seine	529		Zinc plates, sheets, and strips	531	
			Zinc, slab (spelter)	91	

# NUMERICAL LIST OF SPECIFICATIONS

Federal Specifications Board specification No.	Bureau of Standards Circular No.	Title	Federal Specifications Board specification No.	Bureau of Standards Circular No.	Title
1a	C33	Cement, Portland. (Price, 10 cents.)	41b	C307	Hose, pneumatic.
2d	(1)	Lubricants and liquid fuels and methods for sampling and testing. (Price, 15 cents.)	42	-----	Dredging sleeves.
3c	C115	Tires, pneumatic and solid rubber, and inner tubes.	43	-----	Air-brake and signal hose and gaskets.
4a	C82	Oil, linseed, raw.	44b	C289	Divers' hose.
5	C84	Basic carbonate white lead, dry and paste.	45	-----	Spray hose.
6	C85	Basic sulphate white lead, dry and paste.	46c	C288	Hose, tender (corrugated).
7b	C86	Turpentine (gum spirits of turpentine and steam-distilled wood turpentine).	47	-----	Chemical hose.
8	C87	Zinc oxide, dry and paste.	48b	C291	Water and wash deck hose.
9	C88	Leaded zinc oxide, dry and paste.	49b	C268	Steam hose.
10b	C89	Paint, white, and tinted paints made on a white base, semipaste and ready mixed.	50a	C292	Water suction hose (smooth bore).
11	C90	Red lead, dry and paste.	51	-----	Rubber jar rings.
12	C91	Ocher, dry and paste.	52a	C140	Screws, wood.
13b	C93	Paints, iron oxide and iron hydroxide.	53	C136	Numbered cotton duck.
14b	C94	Paint, black, semipaste and ready mixed.	54	-----	Asbestos millboard.
15	C97	Green paint, semipaste and ready mixed.	55	-----	Cutout bases.
16	C98	Volatile mineral spirits for thinning paints.	56	-----	Nonrefillable cartridge inclosed fuses.
17	C102	Composite vehicle for thinning semipaste paints when the use of straight linseed oil is not justified.	57	-----	Flexible nonmetallic tubing.
18b	C103	Varnish, spar, water resisting.	58a	C139	Cells and batteries, dry.
19	C104	Asphalt varnish.	59a	C232	General specifications for rubber goods (methods of physical tests and chemical analysis). (Price, 10 cents.)
20	C105	Liquid paint drier.	60	-----	Insulated safes and cabinets.
21b	C111	Paint, interior lithopone, white and light tints, flat or eggshell finish (semipaste and ready mixed).	61a	C324	Rope, Manila.
22	C117	Interior varnish.	62	-----	Snap switches.
23b	C13	Lamps, incandescent electric, large, tungsten filament.	63b	C209	Hose, oil suction and discharge.
24	-----	Lumber (grading and inspection rules, adopted by the various lumber manufacturing associations of the United States).	64a	C284	Rubber bands.
25c	-----	Feeds and forage.	65	-----	Rubber-covered wires and cables for ordinary purposes.
26	C123	White floating soap (for toilet use).	66	C146	Water-resisting red enamel.
27	C124	Liquid soap.	67	C147	Gloss interior lithopone paint, white and light tints.
28	C125	Soap powder.	68a	-----	Sterilizers, dressing containers and stands, portable lockers for use in conjunction with sterilizers, electric heaters, and steam sterilizing apparatus.
29	C126	Salt water soap.	69	-----	Canceled Apr. 8, 1926.
30	C127	Automobile soap.	70	-----	Do.
31	C128	Chip soap.	71	-----	Do.
32	C129	Ordinary laundry soap.	72	-----	Do.
33a	C130	Soap, grit cake.	73	-----	Cottonseed oil (edible grade).
34	C131	Scouring compounds, for floors, and soap scouring compound.	74	-----	Canceled Apr. 8, 1926.
35	C132	Hand grit soap.	75	-----	Do.
36a	C134	Fire extinguishing liquid (carbon tetrachloride base).	76	-----	Do.
37	C148	Leather belting.	77	-----	Olive oil (edible grade).
38b	C114	Cotton rubber-lined fire hose (couplings and gaskets).	78	-----	Canceled Apr. 8, 1926.
39b	C305	Tubing, rubber.	79	-----	Do.
40b	C290	Gas hose	80	C157	Coal-tar pitch for roofing.
			81	C156	Coal-tar saturated rag felt for roofing and waterproofing.
			82	C158	Surfacing materials for bituminous built-up roofing.
			83	C155	Coal-tar pitch for waterproofing and damp proofing.
			84	C159	Asphalt for mineral-surfaced roofing.
			85	C160	Asphalt for waterproofing and damp proofing.
			86	C161	Asphalt-saturated rag felt for roofing and waterproofing.
			87	C162	Asphalt primer for roofing and waterproofing.

<sup>1</sup> Bureau of Mines Technical Paper No. 323 B.

## Numerical list of specifications—Continued

Federal Specifications Board specification No.	Bureau of Standards Circular No.	Title	Federal Specifications Board specification No.	Bureau of Standards Circular No.	Title
88	C168	Asphalt for unsurfaced built-up roofing.	136a	C269	Rubber-metal gasoline hose.
89	-----	Manganese-bronze ingots (for remelting).	137a	C165	Paint, olive-drab (semipaste and ready mixed).
90	-----	Pig tin.	138	-----	Ferromanganese.
91a	-----	Zinc, slab (spelter).	139	-----	Ferromanganese.
92	-----	Measuring sizes of hosiery.	140	-----	High-test gray-iron castings (semisteel).
93	-----	Asbestos-copper gaskets, corrugated.	141	-----	Gray-iron castings.
94b	243	Packing, asbestos metallic cloth sheet.	142	-----	Manganese ore.
95	-----	Asbestos valve-stem packing.	143	-----	Ferromolybdenum.
96b	C241	Packing, asbestos sheet, compressed.	144	-----	Ferrotitanium.
97b	C242	Gaskets, asbestos metallic cloth.	145	-----	Ferrosilicon.
98a	C240	Diaphragm packing.	146	C170	Construction of built-up roofing, type 4A WS.
99	-----	Fabric condenser-tube packing.	147	C171	Construction of built-up roofing, type 5A WS.
100	-----	Fiber packing for lubricating and fuel oil.	148	C172	Construction of built-up roofing, type 3A CS.
101b	C239	Packing, flax.	149	C173	Construction of built-up roofing, type 4A CS.
102	-----	Flexible metallic packing.	150	C174	Construction of built-up roofing, type 5A CS.
103a	C238	Asbestos high-pressure rod packing.	151	C175	Construction of built-up roofing, type 3TCS.
104a	C237	Low-pressure spiral-gland packing.	152	C176	Construction of built-up roofing, type 4TCS.
105	-----	Metallic packing (fixed-ring type).	153	C177	Construction of built-up roofing, type 5TCS.
106	-----	Plastic metallic packing.	154	C178	Construction of built-up roofing, type 4TWS.
107	-----	Semimetallic packing.	155	C179	Construction of built-up roofing, type 5TWS.
108	-----	Solid metallic packing (floating-ring type).	156	C180	Installation of metal flashings with bituminous built-up roofing.
109	-----	Packing rings for boiler blow-off valves.	157	C181	Installation of plastic flashings with bituminous built-up roofing.
110a	C236	Cloth-insertion rubber packing.	158	-----	Hair felt.
111a	C235	Rubber packings and gaskets (molded, sheet, and strip).	159	C166	Light-weight duck (Army duck, grey).
112a	C234	Wire-insertion rubber packing.	160	C167	Tent duck (special construction for bleaching or dyeing, gray).
113a	C233	Tucks packing.	161a	-----	*Coffee, tea, and cacao products.
114a	C244	Rubber valves.	162a	-----	Pipe, welded steel (black and galvanized).
115	C163	Titanium pigment, dry and paste.	163	C182	Record and copying ink.
116	-----	Phosphor tin.	164	C183	Writing ink.
117	-----	Pig lead.	165	C184	Red ink.
118	-----	Phosphor copper.	166	C185	Stamp-pad ink.
119	-----	Silicon copper.	167a	C186	Ribbons, typewriter.
120	-----	Ingot copper.	168a	C187	Ribbons, hectograph.
121a	-----	*Tableware, glass.	169a	C188	Ribbons, computing and recording machine.
122	-----	Glass lantern globes and lamp chimneys.	170	-----	Steel castings.
123	C164	Flat glass for glazing purposes.	171a	-----	Ship chain.
124	-----	Hand chemical fire extinguisher (1 quart carbon-tetrachloride type).	172a	-----	Bronze castings.
125	-----	Ground chrome ore.	173a	-----	Aluminum bronze ingots (for remelting).
126	-----	Foundry pig iron.	174	-----	Welding wire, iron and steel.
127a	-----	25 per cent rag blotting paper, white and colored.	175	-----	Knife switches.
128a	-----	Desk blotting paper, colored.	176	-----	Renewable cartridge inclosed fuses.
129a	-----	Chart paper.	177a	-----	Kraft wrapping paper.
130a	-----	Mimeograph paper.	178a	-----	Sulphite manila wrapping paper.
131a	-----	50 per cent rag mimeograph paper.	179	-----	No. 1 grade blue-print paper (sensitized and unsensitized).
132a	-----	Wood manila wrapping paper.			
133a	-----	Rope manila wrapping paper.			
134	-----	Aluminum ingot.			
135	-----	Ferrovandium.			



## Numerical list of specifications—Continued

Federal Specifications Board specification No.	Bureau of Standards Circular No.	Title	Federal Specifications Board specification No.	Bureau of Standards Circular No.	Title
180		No. 2 grade blue-print paper (sensitized and unsensitized).	236	C221	Colon tube.
			237	C220	Stomach or lavage tube.
181		No. 3 grade blue-print paper (sensitized and unsensitized).	238		Pipe threads.
182a		Paper, brown process (sensitized and unsensitized).	239	C200	Heavy rust-preventive compound.
183	C212	Upholstery leather.	240		Folding canvas cot.
184	C213	Lace leather.	241	C198	Sole leather.
185		General service bed.	242		Wrought iron pipe (welded) (black and galvanized).
186a		Beds, hospital.	243a		Chinaware, vitrified.
187a		Beds, surgical.	244	C194	Milled toilet soap.
188		Folding hospital cot.	245	C195	Powdered soap (for laundry use).
189		Adjustable spring bottom (Gatch frame).	246	C193	Liquid soap (for laundry use).
190		Liberty steel cot.	247	C205	Gypsum plaster.
			248	C206	Calcined gypsum.
191		Brush, blacking and dauber.	249	C204	Hydrated lime for structural purposes.
192		Brush, casting.	250	C201	Quicklime for structural purposes.
193		Brush, clothes scrubbing.			
194		Brush, cuspidor.			
195a		Brushes, dauber, long paddle.	251a	C255	Cheesecloth for wiping purposes.
196		Brush, deck scrubbing.	252b	C258	Cheesecloth, unbleached.
197		Brush, hand floor scrubbing.	253a	C257	Cheesecloth, bleached or semi-bleached.
198		Brush, hair, military.			
199		Brush, radiator dusting.	254b	C256	Denim, brown (shrunken).
200		Brush, shaving.	255a	C259	Brown denim (unshrunken).
201		Brush, sidewalk.	256b	C265	Denim, indigo blue (shrunken).
202		Brush, tooth.	257a	C266	Indigo blue denim (unshrunken).
203		Brush, window.	258a	C270	Mercerized cotton airplane cloth, grade A.
204		Broom, rattan push.			
205		Broom, rattan (upright).	259a	C261	Rags, cotton, colored, for wiping machinery (sterilized).
206		Broom, scrubbing.	260	C267	Wiping cloths.
207		Broom, wire push.			
208a		Duster, counter.			
209	C191	Battleship linoleum.	261a	C264	Rags, cotton, white, for wiping machinery (sterilized).
210	C190	Plain, inlaid, and printed linoleum.	262a	C262	Cotton waste, white.
			263a	C263	Cotton waste, colored.
			264a	C260	Wool waste, colored.
211		Magnesia asbestos plaster.	265a	C196	Ink, drawing, black waterproof.
212		Magnesia molded pipe covering and blocks.			
213		Hand chemical fire extinguishers (soda-and-acid type).	266a	C197	Ink, marking, indelible, for fabrics.
214	C192	Asphalt prepared roofing.	267		*Meat and meat-food products.
215a	C247	Surgeons' rubber aprons.	268a	C299	Brick, fire-clay.
			269		Rods, welding, nonferrous, for gas welding.
216	C228	Helmet-shaped ice bag.	270		*Fruits (fresh, canned, and dried) and fruit products.
217	C227	Rubber ice bags.			
218	C222	Polymer bags.			
219	C219	Rubber bandages.			
220a	C249	Cloth-inserted hot-water bottle.	271		*Vegetables (fresh, canned, and dried).
221a	C248	Rubber hot-water bottles.	272		Naval and commercial brass castings.
222	C225	Rubber catheters.			
223		Rubber cement for medical rubber goods.	273		Spiegeliesen.
224	C226	Rubber finger cots.	274		Refrigerators.
225	C223	Rubber tips for crutches.	275		Road oil for hot application (type OH-1-25).
226a	C254	Cloth-inserted ring cushions.	276a		Asphalt for use in road and pavement construction.
227a	C246	Rubber ring cushions.			
228	C218	Rubber dam.	277		Petroleum asphalt for joint filler (squeegee or pouring method), Type P.A.F-1-25.
229	C217	Surgeons' rubber gloves.			
230a	C245	Surgical operating pads.	278	C215	Outside white titanium-zinc paint (semipaste and ready mixed).
231	C224	Rubber pillow cases.			
232a	C252	Rubber air pillows.			
233a	C253	Rubber sheeting.	279		Tars for cold application.
234a	C250	Cloth-inserted fountain syringe.	280		Refined tar for hot application (type TH-1-25).
235a	C251	Rubber fountain syringe.			

## Numerical list of specifications—Continued

Federal Specifications Board specification No.	Bureau of Standards Circular No.	Title	Federal Specifications Board specification No.	Bureau of Standards Circular No.	Title
281	-----	Tar for use in repair work.	328	-----	Sulphite bond paper, white and colored.
282	-----	Refined tar for construction.			
283	C216	Putty.	329	-----	Sulphite writing paper, white and colored.
284	C211	Gypsum wall board.			
285	C210	Gypsum plaster board.	330	-----	100 per cent rag heavy ledger paper, white.
286	-----	Brass castings to be brazed.			
287	-----	Tubing, copper, seamless, and pipe, copper, seamless, standard iron pipe size.	331a	-----	Paper, manifold, 50 per cent rag, white and colored, glazed.
			332a	-----	Whisk brooms.
288	-----	Cotton, absorbent.	333a	-----	Brooms, corn.
289	-----	Gauze, plain.	334a	C298	Clay, fire.
290a	-----	Bronze ingots (for remelting).	335a	C297	Refractories, fire-clay, plastic.
291	C229	Friction tape.	336	C275	Builders' hardware. (Price, 15 cents.)
292	C230	Rubber insulating tape.			
293	C214	Medium and light rust preventive compounds.	337	-----	Compressed cork (cork board).
			338	-----	Ground cork for insulating purposes.
294	C287	Asphalt-saturated woven cotton fabric for waterproofing.	339	-----	General specification for metals.
295	C286	Asphalt-saturated rag felt for flashings.	340	-----	Polishing paste.
			341	-----	Liquid metal polish.
296	C285	Slate-surfaced, asphalt prepared roofing and shingles.	342a	-----	Pipe, brass, seamless, iron pipe size, standard and extra strong.
297	C208	Wire rope. (Price, 15 cents.)	343	-----	Cast iron soil pipe and fittings, coated and uncoated.
298	-----	Bandage, gauze, compressed.			
299	-----	Bandage, plain gauze roller, assorted.	344	-----	Cheesecloth remnants for wiping purposes.
300	-----	Bandage, plaster of Paris.	345	C293	General specifications for textile materials (methods of physical and chemical tests).
301	C272	Brown cotton sheeting.			
302	C278	Brown wide cotton sheetings.			
303	C273	Bleached wide cotton sheetings.	346	-----	Nonrenewable plug fuses.
304	C274	Bleached cotton sheets (medium and high count sheeting).	347	-----	Lapwelded and seamless steel boiler tubes.
			348	-----	Standard miscellaneous chain and attachments.
305	C277	Bleached cotton pillow cases.			
306	-----	Spelter solder (for brazing).	349	-----	Lapwelded charcoal iron boiler tubes.
307	-----	Silver solder.			
308	-----	Sheet lead.	350	-----	Concrete reinforcement bars.
309	-----	Thermometers, clinical.			
310	-----	Petroleum ether.	351	-----	Structural steel for bridges.
			352	-----	Structural steel for buildings.
311	-----	Rigid conduit, enamel.	353	-----	Insect powder (pyrethrum powder).
312	C271	Rubber gloves for electrical workers (for use in connection with apparatus or circuits not exceeding 3,000 volts to ground).	354	-----	Sodium fluoride (insecticide).
			355	-----	Sodium cyanide (for use as an insecticide in fumigation).
313	-----	Tin-lead solder.			
314	-----	Railroad track scales.	356	-----	Dental amalgam alloy.
315a	-----	*Sugar and sugar products.	357	-----	Boilable catgut ligatures (surgical catgut suture material).
316	-----	Steel blooms, billets, slabs, and bars, for reforging, carbon and alloy.	358a	-----	Desks, wood.
			359a	-----	Furniture, office sectional, cabinets and trays, wood.
317	-----	*Cereals and cereal products.	360	-----	Rulers, desk.
318	-----	Eosin Y (C. I. No. 768).			
319	-----	100 per cent rag bond paper, white.	361	-----	Shears and scissors.
			362	-----	Liquid measuring devices, retail type.
320	-----	50 per cent rag bond paper, white and colored.	363	-----	Burglar-resisting safes.
			364	-----	*Condiments.
321	-----	100 per cent rag ledger paper, white.	365a	-----	*Sea food (fresh, salt, smoked, and canned).
322	-----	75 per cent rag ledger paper, white and colored.			
323	-----	100 per cent rag manifold paper, white and colored.	366	-----	Calendar stands and pads.
324	-----	Lithograph-finish map paper.	367a	-----	Shades, window, shade cloth rollers, slats, cords, and accessories.
325	-----	50 per cent rag lithograph-finish map paper.			
			368	-----	Sponge and pin cups.
			369a	-----	Aluminum bronze castings.
			370	-----	Manganese bronze castings.
326	-----	75 per cent rag lithograph-finish map paper.			
327	-----	Blotting paper, white and colored.	371	-----	Nickel, for remelting.
			372	-----	Structural nickel steel.

## Numerical list of specifications—Continued

Federal Specifications Board specification No.	Bureau of Standards Circular No.	Title	Federal Specifications Board specification No.	Bureau of Standards Circular No.	Title
373	-----	Structural steel for cars.	426	-----	Paper, carbon, black, standard weight (for typewriter use).
374	-----	Condenser tubes and tubes for ferrule stock (Admiralty metal).	427	-----	Tubing, brass, seamless.
375	C302	Shellac, flake orange.	428	C318	Matches, safety (full size, in boxes).
376	C303	Varnish, shellac	429	C314	Soda ash.
377	-----	Paper fasteners, brass.	430	C315	Soda, caustic (lye) (for cleaning purposes).
378	-----	Castings, iron, malleable.			
379	C301	Ink, drawing, colored waterproof.			
380	-----	Cement, asphalt plastic.	431	C316	Soda, laundry (washing soda).
381a	-----	*Dairy products.	432	C317	Sodium carbonate, granular (monohydrate crystals).
382	C306	Matting, rubber.	433	-----	Hatchets.
383	C308	Stoppers, rubber.	434	-----	Bars, chisel, crow and pinch.
384	C283	Stitches, seams, and stitching. (Price, 20 cents.)	435	-----	Cutters, glass.
385	-----	Paper, flint.	436	-----	Dividers.
386	-----	Paper, garnet.	437	-----	Cutters, pipe.
387	-----	Cloth, abrasive, aluminum oxide.	438	-----	Chisels, gouges, and slicks, wood-workers'.
388	-----	Cloth, emery.	439	-----	Coppers, soldering.
389	-----	*Miscellaneous provisions.	440	-----	Sets, hand saw.
390	-----	Polish, silver.			
391	-----	Iron bar, wrought, refined.	441	-----	Scribers, machinists'.
392	-----	Brass, rods, bars, shapes, plates, sheets, and strips, commercial.	442	-----	Knives, shoe.
	-----	Unions, malleable iron or steel.	443	C321	Cement, masonry.
393	-----	General specification for paper.	444	C322	Integral waterproofing material, water-repellent type (for use with Portland cement, mortar, or concrete).
394	-----	Preservatives, wood, and processes of treatment.			
395	-----		445	C323	Cement, plastic magnesia (magnesia-oxychloride), used as flooring, bases, wainscots, etc.
396	-----	Brush, calcimine.			
397	-----	Brush, dust, ceiling and wall.			
398	-----	Brush, fiber garage.			
399a	-----	Brushes, flat fitch.	446	-----	Ammonium chloride (sal ammoniac).
400	-----	Sweep, floor, hair.	447	C326	Rope, cotton.
401a	-----	Brushes, glue, round.	448	C310	Plumbing fixtures (for land use). (Price, 15 cents.)
402	-----	Brush, glue, flat.			
403	-----	Brush, lacquering, flat, camel hair.	449	-----	Adzes.
404a	-----	Brushes, marking.	450	-----	Shaves, spoke.
405	-----	Brush, mottling, camel hair.	451	-----	Shears, tinnerns', hand (snips).
406a	-----	Brushes, sash tool, oval.	452	-----	Materials for top-soil or sand-clay road surfaces.
407	-----	Brush, hand scrub, white tampico.	453	-----	Gravel for gravel roads.
408	-----	Furniture and cabinets, office steel sectional.	454	-----	Coarse aggregate for Portland cement concrete pavement or base (stone, slag, and gravel).
409	-----	Chairs, office.			
410	-----	Tubes, radio receiving electron.	455	-----	Broken stone, broken slag, or gravel for bituminous surface treatment.
411	-----	Tableware, silver plated.			
412	-----	Paste, office and library.	456	-----	Broken stone and broken slag for waterbound base or wearing course.
413a	-----	Padlocks.			
414	C312	Matting, rubber, for use around electrical apparatus or circuits not exceeding 3,000 volts to ground.	457	-----	Broken stone and broken slag for bituminous macadam base or surface course.
415	-----	Blades, hack saw.	458	-----	Broken stone and broken slag for bituminous concrete base or surface course.
416	-----	Braces, ratchet.			
417	-----	Drills, breast.	459	-----	Broken stone and broken slag for binder course, sheet asphalt pavement.
418	-----	Pullers, nail.			
419	-----	Rules.	460	-----	Sands for use in sheet asphalt or bituminous concrete pavements.
420	-----	Wax, sealing.			
421	-----	Metol (mono-methyl-para-amino phenol sulphate).	461	-----	Sand for cement grout filler, brick and stone block pavements.
422	C313	Towels, huck (with woven name).	462	-----	Sand for cement mortar bed for brick, stone block, or wood block pavements.
423	-----	Roofing, prepared, asphalt and asbestos, slate-surfaced.			
424	-----	Roof coating, asphalt fibrous.			
425	-----	Paper, carbon, black, light weight (for typewriter use).			

## Numerical list of specifications—Continued

Federal Specifications Board specification No.	Bureau of Standards Circular No.	Title	Federal Specifications Board specification No.	Bureau of Standards Circular No.	Title
463	-----	Mineral filler for sheet asphalt or asphaltic concrete pavements (Portland cement, limestone dust, and dolomite dust).	504	C345	Brick, clay, common.
464	-----	Fine aggregate for Portland cement concrete pavement or base (sand, etc.).	505	C347	Brick, sand-lime, common.
465	-----	Materials for cushion course, brick, stone block, or wood block pavement (sand, slag, limestone screenings, etc.).	506	C344	Tile, hollow, clay, floor.
466	-----	Belting, conveyor (stitched duck).	507	C342	Tile, hollow, clay, load-bearing wall.
467	-----	Copper rods, bars, shapes, plates, sheets, and strips.	508	C343	Tile, hollow, clay, fireproofing, partition and furring.
468	-----	Silver, nickel, rods, bars, shapes, plates, sheets, and strips (German silver).	509	-----	Drills, hand, with hollow handle.
469	-----	Steel, structural, for ships other than naval vessels.	510	-----	Block for granite, recut granite, and durax granite pavements.
470	-----	Calcium carbide.	511	-----	Brooms, metal case.
471	-----	Cupboard and locker equipment, steel.	512	-----	Brushes, flowing, badger hair.
472	-----	Thermometers, industrial.	513	-----	Brushes, flowing, camel hair.
473	-----	Scales, weighing, general specification for.	514	-----	Brushes, flowing, fitch or skunk hair.
474	-----	Ladles, plumbers.	515	-----	Brushes, paint, flat metal bound (high grade).
475a	C330	Oil, linseed, boiled.	516	-----	Brushes, paint, flat metal bound (medium bound).
476	C331	Chrome yellow (lemon, medium and orange; dry paste in oil and paste in Japan).	517	-----	Brushes, radiator bronzing.
477	-----	Desks, steel.	518	-----	Brushes, roof, knotted style, 3 knots.
478	-----	Tables and stands, wood.	519	-----	Brushes, stencil (flag ends cut).
479	-----	Frames, saw, hack.	520	-----	Brushes, stencil (flag ends preserved).
480	-----	Saws.	521	-----	Brushes, varnish, flat (high grade).
481	-----	Jacks.	522	-----	Brushes, varnish, flat (medium grade).
482	C338	Leather, bag.	523	-----	Brushes, wall stippling.
483	C339	Leather, rigging.	524	-----	Brushes, whitewash.
484a	-----	Paper, manifold, 50 per cent rag, white and colored, unglazed.	525	-----	Dusters, painters', flat.
485	C336	Gaskets, metallic encased.	526	-----	Dusters, painters', round.
486	C335	Packing, hard fiber sheet.	527	C358	Hose, fire, unlined linen.
487	C334	Packings, asbestos wick and rope.	528	-----	Cord, sash, cotton braided.
488	-----	Knives, drawing.	529	-----	Twine, cotton, seine.
489	-----	Pipe fittings, cast-iron (threaded).	530	-----	Twine, cotton.
490	-----	Tubes, seamless steel, for aircraft purposes.	531	-----	Zinc plates, sheets, and strips.
491	-----	Fans, electric, desk and bracket type.	532	-----	Wire, spring, phosphor-bronze.
492	C349	Boots, rubber, hip.	533a	-----	Lumber, softwood, yard and factory.
493	C348	Boots, rubber, short, light.	534	-----	Nails, spikes, tacks, and staples.
494	C350	Boots, rubber, short, heavy.	535	-----	Pipe fittings, malleable iron (threaded) (150-lb.).
495	-----	Pipe, concrete, plain.	536	-----	Metal, antifriction, ingots and castings.
496	C340	Leather, hydraulic packing (vegetable tanned).	537	-----	Pipe, water, centrifugally cast iron.
497	C355	Bunting, wool.	538	-----	Receptacles, waste-paper, fiber, office and lobby.
498	C357	Oilcloth, table, white.	539	-----	Erasers, steel.
499	C352	Burlap, jute.	540	-----	Netting, mosquito (unbleached bobbinet).
500	C351	Tablecloths, cotton.	541	-----	Goggles, for protection against flying particles and chips.
501	C354	Carpets, velvet, plain.	542	-----	Goggles, rubber frame.
502	C353	Carpets and rugs, Axminster.	543	-----	Goggles, welders'.
503	C356	Carpets and rugs, Wilton.	544	-----	Helmets, welders'.
			545	-----	Masks, babbitting.
			546	-----	Helmets, sandblasting.
			547	-----	Shields, welders' hand.

B. S. Circular No. 319 -- Please correct text as follows:  
(3d Edition)

<u>Page.</u>	<u>Title.</u>	<u>Should read.</u>
9	Receptacles, waste paper, fiber	538 (not 530)
10	*Sirup, sugar cane, sugar, etc.	315a (not 315)
12	Wool waste, colored (not 264a, C602)	264a, C 260
12	Zinc Slab (spelter)	91a (not 91)
16	Whisk brooms	332 (not 332a)

The following specifications have been issued since January 1, 1928:

UNITED STATES GOVERNMENT  
FEDERAL SPECIFICATIONS BOARD  
WASHINGTON

Address  
Care Bureau of Standards. March 5, 1928.

SUBJECT: Promulgation of U. S. Government Master Specifications by Federal Specifications Board.

The Federal Specifications Board has promulgated today the following specifications as United States Government Master Specifications:

FSB. No.		
126a	Iron, Pig, Foundry.	Revision
378a	Iron, Malleable, Castings.	Revision
444a	Integral Waterproofing Material	Revision
548	Bolts, Nuts and Machine Screws.	
549	Steel Plates, Marine Boiler.	
550	Steel, Staybolt, Boiler.	
551	Laundry Appliances.	

Copies of the above mentioned specifications may be obtained upon request, by addressing this Board.

GEORGE K. BURGESS, Chairman.

N. F. HARRIMAN,  
Vice-Chairman and Tech. Secty.

