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BUREAU OF STANDARDS  
George K. Burgess, Director

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UNITED STATES GOVERNMENT  
MASTER SPECIFICATIONS

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| Packing, diaphragm.....  | 98a   | C240   | Pipe threads.....   | 238   | -----  |
| Packing, fabric condenser tube.....  | 89  | -----  | Pipe, welded steel (black and galvanized).....  | 162   | -----  |
| Packing, fiber, for lubricating and fuel oil.....  | 100   | -----  | Pipe, wrought iron (welded) (black and galvanized).....   | 242   | -----  |
| Packing, flax.....   | 101a  | C239   | Plaster board, gypsum.....  | 295   | C210   |
| Packing, low-pressure spiral gland.....  | 104a  | C237   | Plaster, gypsum.....  | 247   | C205   |
| Packing, metallic (fixed ring type).....   | 105   | -----  | Plaster, magnesia asbestos.....   | 211   | -----  |
| Packing, metallic, flexible.....   | 102   | -----  | Polish, liquid metal.....   | 341   | -----  |
| Packing, metallic, plastic.....  | 106   | -----  | Polish, silver.....   | 390   | -----  |
| Packing, semimetallic.....   | 107   | -----  | Polishing paste.....  | 340   | -----  |
| Packing, metallic, solid (floating ring type).....   | 103   | -----  | Portland cement (price, 15 cents).....  | 1   | C93  |
| Packing rings for boiler blow-off valves.....  | 109   | -----  | Powder, insect (pyrethrum powder).....  | 353   | -----  |
| Packing, rubber, cloth insertion.....  | 110a  | C236   | Powder, soap.....   | 28  | C126   |
| Packing, rubber, wire insertion.....   | 112a  | C234   | Preservatives, wood, and processes of treatment.....  | 395   | -----  |
| Packing, rubber, and gaskets (molded, sheet, and<br>strip).....  | 111a  | C235   |   |   |  |
| Packing, Tucks.....  | 113a  | C233   |   |   |  |
| Padlocks.....  | 413   | -----  |   |   |  |
| Pads, surgical operating.....  | 230a  | C245   |   |   |  |
| Paint, black, semipaste and ready mixed.....   | 14  | C94  |   |   |  |

| Commodity  | Federal<br>Speci-<br>fications<br>Board<br>number | Bureau<br>of<br>Stand-<br>ards<br>Circular<br>number | Commodity   | Federal<br>Speci-<br>fications<br>Board<br>number | Bureau<br>of<br>Stand-<br>ards<br>Circular<br>number |
|--|---|--|---|---|--|
| <b>Provisions:</b>   |   |  |   |   |  |
| Cereals and cereal products.....   | 317   |  | Rubber ice bags.....  | 217   | C227   |
| Coffee, tea, and cacao products.....   | 181   |  | Rubber jar rings.....   | 51  |  |
| Condiments.....  | 384   |  | Rubber-lined fire hose, cotton (couplings and gas-<br>kets).....  | 38b   | C114   |
| Dairy products.....  | 381   |  | Rubber matting.....   | 382   |  |
| Fruits (fresh, canned, and dried) and fruit prod-<br>ucts.....   | 270   |  | Rubber matting, for use around electrical apparatus<br>or circuits not exceeding 3,000 volts to ground..... | 414   |  |
| Meat and meat food products.....   | 287   |  | Rubber packing, cloth-insertion.....  | 110a  | C236   |
| Miscellaneous provisions.....  | 389   |  | Rubber packing, wire-insertion.....   | 112a  | C234   |
| Sea food (fresh, salt, smoked, and canned).....  | 365   |  | Rubber packings and gaskets (molded, sheet, and<br>strip).....  | 111a  | C235   |
| Sugar and sugar products.....  | 315   |  | Rubber pillowcases.....   | 231   | C224   |
| Vegetables (fresh, canned and dried).....  | 271   |  | Rubber pillows, air.....  | 232a  | C252   |
| Putty.....   | 283   | C218   | Rubber ring cushions.....   | 227a  | C246   |
| Pyrethrum powder (insect powder).....  | 353   |  | Rubber sheeting.....  | 233a  | C253   |
| Quicklime for structural purposes.....   | 250   | C201   | Rubber stoppers.....  |   |  |
| Radio receiving electron tubes.....  | 410   |  | Rubber syringe, fountain.....   | 235a  | C251   |
| Rag felt for flashings, asphalt saturated.....   | 295   | C288   | Rubber tape, insulating.....  | 222   | C230   |
| Rags, colored cotton, for wiping machinery (ster-<br>ilized).....  | 259   | C261   | Rubber tips for crutches.....   | 225   | C223   |
| Rags, white cotton, for wiping machinery (ster-<br>ilized).....  | 261   | C264   | Rubber tubing.....  | 39b   |  |
| Red lead, dry and paste.....   | 11  | C80  | Rubber valves.....  | 114a  | C244   |
| Refractories, plastic fire-clay.....   | 335   | C297   | Rulers.....   | 360   |  |
| Refrigerators.....   | 274   |  | Rust-preventive compound, heavy.....  | 233   | C200   |
| Ribbons, computing and recording machine.....  | 189   | C188   | Rust-preventive compounds, medium and light.....  | 293   | C214   |
| Ribbons, hectograph.....   | 168   | C187   | Safes, burglar-resisting.....   | 263   |  |
| Ribbons, typewriter.....   | 167   | C186   | Safes and cabinets, insulated.....  | 60  |  |
| Ring cushions, cloth-inserted.....   | 226a  | C254   | Scales, railroad-track.....   | 314   |  |
| Ring cushions, rubber.....   | 227a  | C246   | Scissors, shears and.....   | 361   |  |
| Rings, rubber jar.....   | 51  |  | Screws, wood.....   | 52  | C140   |
| Road oil for hot application (type OH-1-55).....   | 275   |  | Sea food (fresh, salt, smoked, and canned).....   | 365   |  |
| Road and pavement construction, asphalt for use in.....  | 276a  |  | Seams, stitches and stitching (price, 20 cents).....  | 384   | C283   |
| Rods, welding, nonferrous, for gas welding.....  | 269   |  | Shades, window, shade cloth, rollers, slats, and<br>cords.....  | 367   |  |
| Roofing, asphalt for mineral surfaced.....   | 84  | C159   | Shears and scissors.....  | 361   |  |
| Roofing, asphalt prepared.....   | 214   | C162   | Sheeting, cotton, bleached wide.....  | 303   | C273   |
| Roofing, asphalt primer for, and waterproofing.....  | 87  | C162   | Sheeting, cotton, brown.....  | 301   | C272   |
| Roofing, asphalt saturated rag felt for, and water-<br>proofing.....   | 86  | C161   | Sheeting, cotton, brown wide.....   | 302   | C276   |
| Roofing, asphalt for unsurfaced built-up.....  | 58  | C168   | Sheeting, rubber.....   | 233a  | C253   |
| Roofing, coal-tar pitch for.....   | 30  | C157   | Sheets, cotton, bleached (medium and high count<br>sheeting).....   | 304   | C274   |
| Roofing, coal-tar saturated rag felt for, and water-<br>proofing.....  | 81  | C156   | Shellac, flake orange.....  | 375   | C302   |
| Roofing, construction of built-up, type 3ACS.....  | 148   | C172   | Shellac varnish.....  | 376   | C303   |
| Roofing, construction of built-up, type 3TCS.....  | 151   | C175   | Shingles, roofing, and asphalt, prepared, slate-<br>surfaced.....   | 296   |  |
| Roofing, construction of built-up, type 4ACS.....  | 149   | C173   | Silicon copper.....   | 113   |  |
| Roofing, construction of built-up, type 4AWS.....  | 146   | C170   | Silicon, ferro.....   | 145   |  |
| Roofing, construction of built-up, type 4TCS.....  | 162   | C176   | Silver solder.....  | 307   |  |
| Roofing, construction of built-up, type 4TWS.....  | 154   | C178   | Sizes of hosiery, measuring.....  | 82  |  |
| Roofing, construction of built-up, type 5ACS.....  | 150   | C174   | Slate-surfaced, asphalt prepared roofing and<br>shingles.....   | 296   |  |
| Roofing, construction of built-up, type 5AWS.....  | 147   | C171   | Sleeves, dredging.....  | 42  |  |
| Roofing, construction of built-up, type 5TCS.....  | 163   | C177   | Soap, automobile.....   | 30  | C127   |
| Roofing, construction of built-up, type 5TWS.....  | 165   | C179   | Soap, chip.....   | 31  | C128   |
| Roofing, installation of metal flashings with built-<br>up bituminous.....   | 156   | C180   | Soap, grit, cake.....   | 33  | C130   |
| Roofing, installation of plastic flashings with built-<br>up.....  | 157   | C181   | Soap, grit, hand.....   | 35  | C132   |
| Roofing and shingles, asphalt prepared, slate-sur-<br>faced.....   | 296   |  | Soap, laundry, ordinary.....  | 32  | C129   |
| Roofing, surfacing materials for bituminous built-<br>up.....  | 82  | C158   | Soap, liquid.....   | 27  | C124   |
| Rope, manila.....  | 61  |  | Soap, liquid (for laundry use).....   | 246   | C193   |
| Rope, wire (price, 15 cents).....  | 297   | 208  | Soap powder.....  | 28  | C125   |
| Rubber aprons, surgeons'.....  | 215a  | C247   | Soap, powdered (for laundry use).....   | 245   | C195   |
| Rubber bandages.....   | 219   | C219   | Soap, salt-water.....   | 29  | C128   |
| Rubber bands.....  | 64a   |  | Soap, scouring compound, scouring compounds<br>for floors.....  | 34  | C131   |
| Rubber catheters.....  | 222   | C225   | Soap, toilet, milled.....   | 244   | C194   |
| Rubber cement for medical rubber goods.....  | 223   |  | Soap, white, floating (for toilet use).....   | 26  | C128   |
| Rubber covered wires and cables for ordinary pur-<br>poses.....  | 65  |  | Sodium cyanide (for use as an insecticide in fumi-<br>gation).....  | 355   |  |
| Rubber dam.....  | 228   | C218   | Sodium fluoride (insecticide).....  | 354   |  |
| Rubber finger cots.....  | 224   | C226   | Solder, silver.....   | 307   |  |
| Rubber gloves for electrical workers (for use in<br>connection with apparatus or circuits not exceed-<br>ing 3,000 volts to ground)..... | 312   | C271   | Solder, spelter (for brazing).....  | 306   |  |
| Rubber gloves, surgeons'.....  | 229   | C217   | Solder, tin-lead.....   | 313   |  |
| Rubber goods, general specifications for (methods<br>of physical tests and chemical analyses (price, 10<br>cents).....                   | 59a   | C232   | Spelter solder (for brazing).....   | 306   |  |
| Rubber hose, metal gasoline.....   | 136a  | C269   | Spelter (zinc slab).....  | 91  |  |
| Rubber hot-water bottles.....  | 221a  | C248   | Spiegeleisen.....   | 273   |  |
|  |   |  | Spring bottom, adjustable (Gatch frame).....  | 189   |  |
|  |   |  | Steel blooms, billets, slabs, and bars for reforcing,<br>carbon and alloy.....                              | 318   |  |
|  |   |  | Steel castings.....   | 170   |  |
|  |   |  | Steel (semi), high-test gray iron castings.....   | 140   |  |
|  |   |  | Steel, structural, for bridges.....   | 351   |  |

| Commodity   | Federal<br>Speci-<br>fications<br>Board<br>number | Bureau<br>of<br>Stand-<br>ards<br>Circular<br>number | Commodity   | Federal<br>Speci-<br>fications<br>Board<br>number | Bureau<br>of<br>Stand-<br>ards<br>Circular<br>number |
|---|---|--|---|---|--|
| Steel, structural, for buildings.....   | 352   | -----  | Tube, stomach or lavage.....  | 237   | C220   |
| Steel, structural, for cars.....  | 373   | -----  | Tubes, boiler, iron, lap welded charcoal.....   | 349   | -----  |
| Steel, structural nickel.....   | 372   | -----  | Tubes, boiler, lap welded and seamless steel.....                                       | 347   | -----  |
| Steel unions, malleable, or iron.....   | 383   | -----  | Tubes, condenser, and tubes for ferrule stock<br>(Admiralty metal).....                 | 374   | -----  |
| Steel welding wire, iron and.....   | 174   | -----  | Tubes, inner, pneumatic, solid tires and.....   | 3b  | C115   |
| Sterilizers, dressing containers and stands, port-<br>able lockers for use in conjunction with sterilizers,<br>electric heaters, and steam sterilizing apparatus..... | 63a   | -----  | Tubes, radio receiving, electron.....   | 410   | -----  |
| Stitches, seams, and stitching (price, 20 cents).....   | 384   | C283   | Tubing, copper, seamless, and pipe, copper, seam-<br>less, standard iron pipe size..... | 237   | -----  |
| Stoppers, rubber.....   | 383   | -----  | Tubing, flexible, nonmetallic.....  | 57  | -----  |
| Sugar and sugar products.....   | 315   | -----  | Tubing, rubber.....   | 39b   | -----  |
| Sweep, floor, hair.....   | 400   | -----  | Turpentine (gum spirits and wood turpentine).....                                       | 7   | C88  |
| Switches, knife.....  | 175   | -----  | Unions, malleable iron or steel.....  | 393   | -----  |
| Switches, snap.....   | 62  | -----  | Valves, rubber.....   | 114a  | C244   |
| Syringe, cloth-inserted fountain.....   | 234a  | C250   | Vanadium, ferro.....  | 135   | -----  |
| Syringe, rubber fountain.....   | 235a  | C251   | Varnish, asphalt.....   | 19  | C104   |
| Tableware, glass.....   | 121   | -----  | Varnish, interior.....  | 22  | C117   |
| Tableware, silver-plated.....   | 411   | -----  | Varnish, shellac.....   | 376   | C303   |
| Tape, friction.....   | 291   | C289   | Varnish, spar, water resisting.....   | 18  | C103   |
| Tape, rubber-insulating.....  | 292   | C230   | Vegetables (fresh, canned and dried).....   | 271   | -----  |
| Tar, coal, pitch for roofing.....   | 80  | C137   | Vitrified chinaware.....  | 243   | C202   |
| Tar, coal, pitch for waterproofing and damp proof-<br>ing.....  | 83  | C155   | Wall board, gypsum.....   | 264   | C211   |
| Tar, coal, saturated rag felt for roofing and water-<br>proofing.....   | 81  | C156   | Waste, cotton, colored.....   | 263a  | C283   |
| Tar, refined, for construction.....   | 282   | -----  | Waste, cotton, white.....   | 262a  | C202   |
| Tar, refined, for hot application (type TH-1-25).....   | 280   | -----  | Waste, wool, colored.....   | 264a  | C230   |
| Tar for use in repair work.....   | 281   | -----  | Waterproofing, asphalt for, and dampproofing.....                                       | 85  | C160   |
| Tars for cold application.....  | 279   | -----  | Waterproofing, asphalt primer for roofing and.....                                      | 87  | C162   |
| Tea, coffee, and cacao products.....  | 161   | -----  | Waterproofing, asphalt saturated rag felt for roofing<br>and.....                       | 83  | C161   |
| Tent duck (special construction for bleaching or<br>dyeing, gray).....  | 160   | C167   | Waterproofing, coal-tar pitch for, and damp proof-<br>ing.....                          | 83  | C155   |
| Textile materials, general specifications for<br>(methods of physical and chemical tests).....  | 345   | C293   | Waterproofing, coal-tar saturated rag felt for roofing<br>and.....                      | 81  | C158   |
| Thermometers, clinical.....   | 309   | -----  | Welding rods, nonferrous for gas welding.....   | 269   | -----  |
| Threads, pipe.....  | 233   | -----  | Wire rope (price, 15 cents).....  | 297   | C208   |
| Tin-lead solder.....  | 313   | -----  | Wire, welding, iron and steel.....  | 174   | -----  |
| Tin, phosphor.....  | 118   | -----  | Wires and cables, rubber covered, for ordinary<br>purposes.....                         | 65  | -----  |
| Tin, pig.....   | 90  | -----  | Wood preservatives, and processes of treatment.....                                     | 395   | -----  |
| Tips for crutches, rubber.....  | 225   | C223   | Wool waste, colored.....  | 264a  | C260   |
| Tires, pneumatic, solid, and inner tubes.....   | 3b  | C115   | Zinc oxide, dry and paste.....  | 8   | C87  |
| Titanium, ferro.....  | 144   | -----  | Zinc oxide, leaded, dry and paste.....  | 9   | C88  |
| Titanium pigment, dry and paste.....  | 115   | C163   | Zinc paint, titanium, outside white (semipaste and<br>ready mixed).....                 | 278   | C215   |
| Titanium-zinc paint, outside white (semipaste and<br>ready mixed).....  | 278   | C215   | Zinc slab (spelter).....  | 91  | -----  |
| Trays, office, sectional furniture, cabinets, and.....  | 359   | -----  |   |   |  |
| Tube, colon.....  | 236   | C221   |   |   |  |

# A DIRECTORY OF SPECIFICATIONS

Considerable economy can be realized in the purchase of commodities by the use of specifications. Real competitive bidding can be invited, and the delivery of satisfactory material can be insisted upon. To an ever-increasing extent State and city governments, public utilities, and the better organized industries of the country are adopting the use of specifications, which has been a feature of Federal Government purchasing for many years.

Information regarding the best known specifications for more than 6,000 commodities is given in convenient form in the National Directory of Commodity Specifications, which has been issued by the Bureau of Standards with the cooperation of the Bureau of Foreign and Domestic Commerce of the Department of Commerce. The book tells not only what specifications are in general use, but also by whom they were prepared and where copies can be obtained. In it are conveniently indexed for ready finding about 27,000 specifications prepared by the Federal Specifications Board and the separate departments of the Federal Government, by State and city purchasing agents, public utilities, technical societies, and trade associations. At the request of Secretary Hoover an advisory board was selected by these interests to represent them in supervising the preparation of the Directory.

The contents include: A statement and indorsement by the advisory board, a foreword by Secretary Hoover, a thoroughly classified list of specifications for all types of commodities. There are also included an alphabetical list of commodities, which serves as an index to the specifications, and directions for obtaining copies of specifications listed in the Directory.

## *Summary of commodities and specifications therefor*

| Decimal class | Commodity groups   | Commodities indexed | Approximate number of specifications |
|---------------|--|---------------------|--------------------------------------|
| 000           | Animal and animal products.....  | 350                 | 1, 600                               |
| 100           | Vegetable food products, oil, seeds, expressed oil, and beverages..... | 525                 | 2, 100                               |
| 200           | Other vegetable products (except fibers and wood).....                 | 400                 | 800                                  |
| 300           | Textiles.....  | 275                 | 1, 900                               |
| 400           | Wood and paper.....  | 625                 | 3, 300                               |
| 500           | Nonmetallic minerals.....  | 725                 | 3, 300                               |
| 600           | Ores, metals, and manufactures (except machinery and vehicles).....    | 1, 700              | 6, 400                               |
| 700           | Machinery and vehicles.....  | 800                 | 2, 900                               |
| 800           | Chemicals and allied products.....                                     | 600                 | 2, 400                               |
| 900           | Miscellaneous.....   | 650                 | 2, 400                               |
|               | Total.....   | 6, 650              | 27, 100                              |

Whether you are a producer or a consumer, a seller or a buyer of commodities; whether you are interested in the preparation or in the use of specifications, the Directory contains for you information which you can not afford to do without. It is printed in small, but legible type, and thus the number of pages has been kept at the minimum, 385, without sacrificing the usefulness of the Directory. It is bound in cloth.

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