

CAST ALUMINUM COOKING UTENSILS

(Metal Composition)

COMMERCIAL STANDARD CS134-46

Effective Date for New Production From July 20, 1946



A RECORDED VOLUNTARY STANDARD
OF THE TRADE

WITHDRAWN

UNITED STATES DEPARTMENT OF COMMERCE

W. AVERELL HARRIMAN, Secretary

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COMMERCIAL STANDARDS

Commercial Standards are voluntary standards of the trade developed through concerted action of those directly concerned, and issued by the United States Department of Commerce upon written evidence of their acceptability to the trade. They are initiated by written request from a responsible element of business to the Division of Trade Standards of the National Bureau of Standards. The Division of Trade Standards acts as a coordinating and fact-finding agency in ascertaining the desires of all concerned.

The Federal Government exercises no regulatory authority in the enforcement of Commercial Standards. In accepting a Commercial Standard, the producer, distributor, or user says in effect that he considers it a useful standard of practice, and plans to utilize it as far as practicable in his business, reserving the right to depart from the standard so long as no deception results from such departure. When reference to a Commercial Standard is made in contracts, labels, invoices, or advertising literature, however, the provisions of the standard are enforceable through usual legal channels as a part of the sales contract.

Organized in 1927, the Division of Trade Standards has assisted many industries in the development of Commercial Standards for a wide variety of commodities. A list of previously established Commercial Standards appears herein.

COMMERCIAL STANDARD FOR CAST ALUMINUM COOKING UTENSILS (Metal Composition)

On March 22, 1945, at the instance of interested manufacturers, a preliminary conference was held at which a proposed commercial standard for cast aluminum cooking utensils (metal composition) was approved. The proposed standard was then submitted to a number of manufacturers and to leading distributor and consumer organizations, as well as Government agencies, for comment. After adjustment in the light of such comment, the proposed standard was circulated, on October 31, 1945, for written acceptance. The trade has since accepted and approved the standard as shown herein, for promulgation by the United States Department of Commerce, through the National Bureau of Standards.

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National Bureau of Standards.

COMMERCIAL STANDARD CS134-46

for

CAST ALUMINUM COOKING UTENSILS

(Metal Composition)

PURPOSE

1. The purpose of this commercial standard is to establish standard specifications and methods of test for the chemical composition of cast aluminum cooking utensils covered herein to minimize staining and corrosion under conditions of normal use, and to provide a uniform basis for better understanding between manufacturers, distributors, and users, for fair competition, and for labeling of utensils which comply with this standard.

SCOPE

2. This standard covers the composition of the metal and methods of test therefor, of cast aluminum utensils designed and intended for use in the cooking of food.

GENERAL REQUIREMENTS

3. Cast aluminum cooking utensils shall be made of aluminum alloys as specified herein, of high quality and workmanship in conformity with good manufacturing practice. They shall be free from imperfections and defects which might affect their serviceability.

DETAIL REQUIREMENTS

4. *Alloying elements.*—The permissible alloying elements of cast aluminum cooking utensils shall be limited to silicon, magnesium, zinc, titanium, chromium, and manganese, which may be employed in any amounts suitable to the respective alloy.

5. *Other than alloying elements.*—The chemical composition of cast aluminum cooking utensils with respect to elements other than the above-named alloying elements, shall conform to the following limits:

Element	Maximum (%) ¹
Copper	0.3
Nickel	.1
Iron	1.0
Other elements, each	0.05
Other elements, total	.15

¹ The following applies to all numerical requirements in this table: For purposes of acceptance and rejection, an observed value or a calculated value obtained from an analysis should be rounded off "to the nearest unit" in the last right-hand place of figures used in expressing the limiting value. (See par. 7.)

METHODS OF TEST

6. The composition of cast aluminum cooking utensils shall be determined in accordance with Tentative Methods of Chemical Analysis of Aluminum and Aluminum Alloys, American Society for Testing Materials Designation E34-42T, or latest revision thereof.

7. Analysis shall regularly be made only for the elements specifically named in paragraph 5. If, however, the presence of other elements is suspected, or indicated in the course of routine analysis, further analysis shall be made to determine that these other elements are not in excess of the amount specified. The numerical requirements of this standard are subject to the interpretation set forth in the Tentative Recommended Practices for Designation of Numerical Requirements in Standards (A. S. T. M. Designation: E29-40T, or latest revision) of the American Society for Testing Materials.

MARKING

8. *Manufacturer's name or trade mark.*—Each cast aluminum cooking utensil shall bear the manufacturer's name or nationally registered trade mark, legibly and permanently marked.

9. *Symbol.*—Each cast aluminum cooking utensil of composition conforming to this standard, shall also bear the following symbol cast or stamped into the utensil, on the bottom outside where practicable, as evidence of such conformity, and said symbol shall not show through on the inside of the utensil: ©

LABELING

10. In order to assure that the purchaser is receiving utensils complying with the requirements of this standard, each cast aluminum cooking utensil conforming to this standard shall bear, in addition to the manufacturer's name or trade mark, a legible label or sticker embodying the following wording:

The manufacturer guarantees that the metal of this cast aluminum utensil bearing this symbol © conforms to Commercial Standard CS134-46, as issued by the National Bureau of Standards of the United States Department of Commerce.

11. Figure 1 illustrates the label adopted by the Cast Division of the Aluminum Wares Association for its members' use in guaranteeing compliance.



EFFECTIVE DATE

12. The standard is effective for new production from July 20, 1946.

STANDING COMMITTEE

13. The following individuals comprise the membership of the standing committee, which is to review, prior to circulation for acceptance, revisions proposed to keep the standard abreast of progress. Comment concerning the standard and suggestions for revision may be addressed to any member of the committee or to the Division of Trade Standards, National Bureau of Standards, which acts as secretary for the committee.

RAYMOND DEUTSCH, *Chairman*

Manufacturers

RAYMOND DEUTSCH, Monarch Aluminum Manufacturing Co., Detroit Avenue and West Ninety-third Street, Cleveland 2, Ohio.
WILLIAM ECK, Wisconsin Aluminum Foundry Co., Inc., Manitowoc, Wis.
ELY GRISWOLD, The Griswold Manufacturing Co., Erie, Pa.
STUART J. SWENSSON, Aluminum Wares Association, 1611 First National Bank Building, Pittsburgh, Pa.
W. E. WAHL, National Pressure Cooker Co., Eau Claire, Wis.
ARTHUR L. WILDERMUTH, Advance Aluminum Castings Corp., 2742 West Thirty-sixth Place, Chicago 32, Ill.

Distributors

A. F. BISGOOD, D. E. Sanford Co., 1049 South Hill Street, Los Angeles, Calif.
RIVERS PETERSON, National Retail Hardware Association, 333 North Pennsylvania Street, Indianapolis 4, Ind.
LOGAN SCHILB, Montgomery Ward & Co., 618 West Chicago Avenue, Chicago 10, Ill. (Representing Mail Order Association of America.)

Users

D. H. PALMER, Hospital Bureau of Standards and Supplies, 247 Park Avenue, New York 17, N. Y.
MRS. CHARLOTTE PAYNE, National Council of Women of the United States, 501 Madison Avenue, New York 22, N. Y.

HISTORY OF PROJECT

14. On October 20, 1944, the Cast Division of the Aluminum Wares Association requested the cooperation of the National Bureau of Standards in the establishment of a commercial standard for cast aluminum cooking utensils (metal composition). A draft was considered at a manufacturers' conference held in Pittsburgh, Pa., on March 22, 1945, and constructive changes were made. It was then submitted to producers, distributor and consumer organizations, and Government agencies, for review and comment. After the requirements were harmonized and adjusted so that the draft represented the composite views of all interested groups, the proposed commercial standard was circulated on October 31, 1945, to all those directly concerned for written acceptance.

15. Upon receipt of official acceptances, estimated to represent a satisfactory majority of the production volume, and in the absence of active, valid opposition, the standard was promulgated as Commercial Standard CS134-46, effective for new production from July 20, 1946.

ACCEPTANCE OF COMMERCIAL STANDARD

If acceptance has not previously been filed, this sheet, properly filled in, signed, and returned, will provide for the recording of your organization as an acceptor of this commercial standard.

Date -----

Division of Trade Standards,
National Bureau of Standards,
Washington 25, D. C.

Gentlemen:

We believe that the Commercial Standard CS134-46 constitutes a useful standard of practice, and we individually plan to utilize it as far as practicable as a

- | | |
|--|---|
| <input type="checkbox"/> Manufacturer ¹ | <input type="checkbox"/> Distributor ¹ |
| <input type="checkbox"/> Testing Laboratory ¹ | <input type="checkbox"/> User ¹ |

of Cast Aluminum Cooking Utensils. We reserve the right to depart from it as we deem advisable.

We understand, of course, that only those articles which actually comply with the standard in all respects can be identified or labeled as conforming thereto.

Signature of authorized officer -----
(In ink)

(Kindly typewrite or print the following lines)

Name and title of above officer -----

Organization ² -----
(Fill in exactly as it should be listed)

Street address -----

City, Zone, and State -----

¹ In the case of related interests, trade associations, trade papers, etc., desiring to record their general support, the words "General support" should be added after the signature.
² Please see that separate acceptances are filed for all subsidiary companies and affiliates which should be listed separately as acceptors.

(Cut on this line)

TO THE ACCEPTOR

The following statements answer the usual questions arising in connection with the acceptance and its significance:

1. *Enforcement.*—Commercial standards are commodity specifications voluntarily established by mutual consent of those concerned. They present a common basis of understanding between the producer, distributor, and consumer and should not be confused with any plan of governmental regulation or control. The United States Department of Commerce has no regulatory power in the enforcement of their provisions, but since they represent the will of the interested groups as a whole, their provisions through usage soon become established as trade customs, and are made effective through incorporation into sales contracts by means of labels, invoices and the like.

2. *The acceptor's responsibility.*—The purpose of commercial standards is to establish for specific commodities, nationally recognized grades or consumer criteria and the benefits therefrom will be measurable in direct proportion to their general recognition and actual use. Instances will occur when it may be necessary to deviate from the standard and the signing of an acceptance does not preclude such departures; however, such signature indicates an intention to follow the commercial standard where practicable, in the production, distribution, or consumption of the article in question.

3. *The Department's responsibility.*—The major function performed by the Department of Commerce in the voluntary establishment of commercial standards on a Nation-wide basis is fourfold: First, to act as an unbiased coordinator to bring all interested parties together for the mutually satisfactory adjustment of trade standards; second, to supply such assistance and advice as past experience with similar programs may suggest; third, to canvass and record the extent of acceptance and adherence to the standard on the part of producers, distributors, and users; and fourth, after acceptance, to publish and promulgate the standard for the information and guidance of buyers and sellers of the commodity.

4. *Announcement and promulgation.*—When the standard has been endorsed by a satisfactory majority of production or consumption in the absence of active, valid opposition, the success of the project is announced. If, however, in the opinion of the standing committee or the Department of Commerce, the support of any standard is inadequate, the right is reserved to withhold promulgation and publication.

ACCEPTORS

16. The organizations listed below have individually accepted this standard for use as far as practicable in the production, distribution, testing or purchase of cast aluminum cooking utensils. In accepting the standard, they reserved the right to depart therefrom as they individually deem advisable. It is expected that articles which actually comply with the requirements of this standard in all respects will be regularly identified or labeled as conforming thereto, and that purchasers will require such specific evidence of conformity.

ASSOCIATIONS

(General Support)

Alabama Federation of Women's Clubs, Headland, Ala.
Alabama Hospital Association, Birmingham, Ala.
Aluminum Wares Association, Pittsburgh, Pa.
American Foreign Traders, Washington, D. C.
American Hospital Association, Chicago, Ill.
American Surgical Trade Association, Chicago, Ill.
Hospital Bureau of Standards & Supplies, Inc., New York, N. Y.
National Council of Women, New York, N. Y.
National Hotel Protective Association, New York, N. Y.
National Retail Dry Goods Association, New York, N. Y.
National Retail Hardware Association, Indianapolis, Ind.
Ohio Swiss Cheese Association, Columbus, Ohio.
Overlook Hospital Association, Summit, N. J.
Wisconsin Bakers' Association, Inc., Milwaukee, Wis.
Young Men's Christian Association of Chicago, The Chicago, Ill.

FIRMS

Abraham & Straus, Brooklyn, N. Y.
Adler Manufacturing Co., Chicago, Ill.
Advance Aluminum Castings Corporation, Chicago, Ill.
Albany Hospital, Albany, N. Y.
Albert Drug Co., Allentown, Pa.
Aldens (Chicago Mail Order Co.), Chicago, Ill.
Allied Purchasing Corporation, New York, N. Y.
Alumet Industries, Inc., Miami, Fla.
Aluminum Castware Corporation, New York, N. Y., and Newburgh, N. Y.
American Smelting & Refining Co., Detroit, Mich. (General support.)
Anderson Co., Inc., C. F., Minneapolis, Minn.
Anderson-Newcomb Co., Huntington, W. Va.
Arizona Consumer's Interests Com., Tucson, Ariz.
Arkansas State Hospital of Little Rock, Ark.
Arkwright, Inc., New York, N. Y.
Aslesen Co., Minneapolis, Minn.
Ball Stores, Inc., Muncie, Ind.
Barth Equipment Co., Inc., New York, N. Y.
Berg, Inc., Charles F., Portland, Oreg.
Birmingham, City of, Birmingham, Ala.
Blish, Mize & Stillman Hardware Co., Atchison, Kans.
Bloomingdale Bros., Inc., New York, N. Y.
Boston Store, Milwaukee, Wis.
Bradenton Women's Club, Bradenton, Fla.
Broadway Department Store, Inc., Los Angeles, Calif.
Brown Hotel Supply Division, Chas., San Francisco, Calif.
Brown & Sons, Chas., San Francisco, Calif.
Brucken Co., Inc., J. A., Evansville, Ind.
Bryson Co., Inc., A., Ware, Mass.
Burnette Castings Co., Hartford, Mich.
Butler Bros., Chicago, Ill.
California Testing Laboratories, Inc., Los Angeles, Calif.

Carson Prie Scott & Co., Chicago, Ill.
Central Glassware Co., Detroit, Mich.
Century Metalcraft Corporation, Los Angeles, Calif.
Charity Hospital of Louisiana, New Orleans, La.
Chicago, The University of, Chicago, Ill.
Cincinnati, City of, Cincinnati, Ohio.
Club Aluminum Products Co., Chicago, Ill.
Columbia Hospital of Richland County, Columbia, S. C.
Combined Kitchen Equipment Co., Inc., Newark, N. J.
Connecticut, State of, Purchasing Department, Hartford, Conn.
Detroit Testing Laboratory, The, Detroit, Mich.
Dey Brothers & Co., Syracuse, N. Y.
Dodds, Inc., Harry F., Atlanta, Ga.
Donley Stahl Co., Lincoln, Nebr.
Dougherty & Sons, W. F., Philadelphia, Pa.
Dowell, J. P., McKinney, Tex.
Eastern Columbia, Inc., Los Angeles, Calif.
Eastern Maine General Hospital, Bangor, Maine.
Eastern Metal Products Co., Tuckahoe, N. Y.
Elkroth Laboratories, Inc., Brooklyn, N. Y.
Ellan H. Richards Institute, State College, Pa.
Ehmler Drug & Chemical Co., Elmira, N. Y.
Erlanger Dry Goods Co., Canton, Ohio.
Eugene Hospital & Clinic, Eugene, Oreg.
(Everett) Labor Journal, The, Everett, Wash.
Ezekiel & Wellman Co., Inc., Richmond, Va.
Firostone Tire & Rubber Co., The, Akron, Ohio.
Fishman Co., Inc., M. H. -5-\$1.00 Stores, New York, N. Y.
Foster Manufacturing Co., Syracuse, N. Y.
Fowler, Dick & Walker (The Boston Store), Wilkes-Barre, Pa.
Frederick & Nelson, Seattle, Wash.
Frye Co., Geo. O., Portland, Maine.
Gable Co., The Wm. F., Altoona, Pa.
General Hotel Supply Co., San Antonio, Tex.
Genesee Hospital, The, Rochester, N. Y.
Goetze Niemer Co., St. Joseph, Mo.
Gold Star Products, Inc., Detroit, Mich.
Gordon & Son, Inc., Morris, Boston, Mass.
Grand Union Co., The, Chicago, Ill.
Great American Tea Co., The, New York, N. Y.
Green Co., Inc., B. L., New York, N. Y.
Green-United Stores Co., New York, N. Y.
Greene-Winkler Co., Seattle, Wash.
Greenwood's, Inc., Kansas City, Mo.
Griswold Manufacturing Co., The, Erie, Pa.
Halls Bros. Co., The, Cleveland, Ohio.
Hanks, Inc., Abbot A., San Francisco, Calif.
Harper Hospital, Detroit, Mich.
Harris, Co., The, San Bernardino, Calif.
Hartz, Co., The J. F., Detroit, Mich.
Herron Co., The James H., Cleveland, Ohio.
Hibbard Spencer Bartlett Co., Chicago, Ill.
Hill Surgical Supply Co., Syracuse, N. Y.
Hochstadter Laboratories, Inc., New York, N. Y.
Hospital of the P. E. Church in Philadelphia, Philadelphia, Pa.
Hospital of Saint Barnabas and For Women and Children, Newark, N. J.
Huchthausen Co., The, Manitowoc, Wis.
Ideal Restaurant Supply Co., New York, N. Y.
Janney Semple Hill & Co., Minneapolis, Minn.

Janows & Co., Alex, Chicago, Ill.
 Jewel Tea Co., Inc., Barrington, Ill.
 Jobbins, Inc., William F., Aurora, Ill.
 Jones Co., Inc., Paul S., New York, N. Y.
 Jones, McDuffel & Stratton Corporation, Boston, Mass.
 Karp & Brother, Joseph S., Altoona, Pa.
 Karrer Co., E. H., Milwaukee, Wis.
 Kiefer Co., A. L., Milwaukee, Wis.
 Kinney Aluminum Co., Los Angeles, Calif.
 Kolbe, John G., Richmond, Va.
 Krick Manufacturing Co., Syracuse, N. Y.
 Lamston, Inc., M. H., New York, N. Y.
 Landon & Co., W. C., Rutland, Vt.
 Lansing, Mich., City of, Board of Water & Electric Light Commission, Lansing, Mich.
 LaSalle & Koch Co., The, Toledo, Ohio
 Lauber & Co., H., Cincinnati, Ohio.
 Lazarus & Co., F. & R., Columbus, Ohio.
 Lentz & Sons, Charles, Philadelphia, Pa.
 Leyse Aluminum Co., Kewaunee, Wis. (General support.)
 Lillenthal & Co., Inc., Felix, New York, N. Y.
 Lincoln Fixture & Supply Co., Lincoln, Nehr.
 Los Angeles, City of, Los Angeles, Calif.
 Lotz Paper Co., F. W., Dayton, Ohio.
 Mack's 5, 10 & 25¢ Stores, Inc., Sanford, N. C.
 Marting Bros. Co., The, Portsmouth, Ohio.
 Mattingly Bros. Stores Co., Lexington, Mo.
 McGregor Hardware Co., Springfield, Mo.
 McLellan Stores Co., New York, N. Y.
 Menninger Sanitarium, The, Topeka, Kans.
 Merit Machine & Metal Works, Brooklyn, N. Y.
 Michigan State Purchasing Division, Lansing, Mich.
 Millner Co., Inc., J. R., Lynchburg, Va.
 Minnesota University, Hospitals of, Minneapolis, Minn.
 Minnesota Testing Laboratories, Inc., Duluth, Minn.
 Missoula Mercantile Co., Missoula, Mont.
 Mobile Fixture & Equipment Co., Mobile, Ala.
 Monarch Aluminum Manufacturing Co., Cleveland, Ohio.
 Montgomery Ward & Co., Chicago, Ill.
 Mound City China Co., St. Louis, Mo.
 Nachman's Department Store, Inc., Newport News, Va.
 Najarian & Sone, G. M., Pawtucket, R. I.
 National Aluminum Manufacturing Co., Peoria, Ill.
 National Pressure Cooker Co., Eau Claire, Wis.
 Niagara Falls Smelting & Refining Corp., Buffalo, N. Y.
 O'Neil Co., The M., Akron, Ohio.
 Oneonta Department Store, Inc., Oneonta, N. Y.
 Orange Memorial Hospital, Orange, N. J.
 Parker Co., M. L., Davenport, Iowa.
 Patzig Testing Laboratories, Des Moines, Iowa.
 Peck Co., B., Lewiston, Maine.
 Penniman & Browne, Baltimore, Md.
 Pennsylvania, Commonwealth of, Department of Property & Supplies, Harrisburg, Pa.
 Pennsylvania State College, The, State College, Pa. (General support.)

Presbyterian Hospital, Denver, Colo.
 Priest Co., Van H., Madison, Fla.
 Quarry, Inc., The, Ann Arbor, Mich.
 Rich's, Inc., Atlanta, Ga.
 Rilke-Kumler Co., The, Dayton, Ohio.
 Rochester, University of, Rochester, N. Y.
 Rosenbaum Co., The, Pittsburgh, Pa.
 Saint Luke's Hospital, St. Louis, Mo.
 Saint Luke's Hospital, Fargo, N. Dak.
 Saint Luke's Hospital, Cleveland, Ohio.
 Schear's Department Store, Evansville, Ind.
 Scherer Co., R. L., Los Angeles, Calif.
 Scholnick, Inc., Pittsburgh, Pa.
 Schorer Co., Inc., The, Hartford, Conn.
 Schultz Bros. Co., Chicago, Ill.
 Schuster & Co., Inc., Ed., Milwaukee, Wis.
 Scranton, Better Business Bureau, Scranton, Pa. (General support.)
 Sears, Roebuck & Co., Chicago, Ill.
 Seller Co., M., San Francisco, Calif., and Portland, Oreg.
 Shepard Co., The, Providence, R. I.
 Shillito Co., The, John, Cincinnati, Ohio.
 Smith Co., Timothy, Boston, Mass.
 Southwestern Specialty Co., Inc., San Antonio, Tex.
 Spiegel, Inc., Chicago, Ill.
 Starbough-Thompson Co., Youngstown, Ohio.
 Stearnes Co., The, Chicago, Ill.
 Strawbridge & Clothier, Philadelphia, Pa.
 Supplee-Biddle Co., Philadelphia, Pa.
 Swern & Co., Trenton, N. J.
 Syndicate Alliance Trading Corporation, Inc., New York, N. Y.
 Tafel, Theo., Louisville, Ky.
 Thompson-Winechester Co., Boston, Mass.
 Traubee Products, Inc., Brooklyn, N. Y.
 Twining Laboratories, The, Fresno, Calif.
 United States Testing Co., Inc., Hoboken, N. J. (General support.)
 Van Camp Hardware & Iron Co., Indianapolis, Ind.
 Wallace Co., Schenectady, N. Y.
 Wasson & Co., H. P., Indianapolis, Ind.
 Weiss Bros., Harrisburg, Pa.
 West Bend Aluminum Co., West Bend, Wis.
 Western Surgical Supply Co., Los Angeles, Calif.
 Whitney's, San Diego, Calif.
 Williams Co., J. A., Pittsburgh, Pa.
 Wilson & Son, W. B., Cape Charles, Va.
 Wisconsin Aluminum Foundry Co., Inc., Manitowoc, Wis.
 Wisconsin, State of, Bureau of Purchases, Madison, Wis.
 Woman's Hospital in the State of New York, New York, N. Y.
 Woolworth Co., F. W., New York, N. Y.

U. S. GOVERNMENT

Agriculture, U. S. Department of, Washington, D. C.
 War Department, Washington, D. C.

COMMERCIAL STANDARDS

CS No.	Item
0-40	Commercial standards and their value to business (third edition).
1-42	Clinical thermometers (third edition).
2-30	Mopsticks.
3-40	Stoddard solvent (third edition).
4-29	Staple porcelain (all-clay) plumbing fixtures.
5-46	Pipe nipples, brass, copper, steel and wrought-iron (second edition).
6-31	Wrought-iron pipe nipples (second edition). Superseded by CS5-46.
7-29	Standard weight malleable iron or steel screwed unions.
8-41	Gage blanks (third edition).
9-33	Builders' template hardware (second edition).
10-29	Brass pipe nipples. Superseded by CS5-46.
11-41	Moisture regains of cotton yarns (second edition).
12-40	Fuel oils (fifth edition).
13-44	Dress patterns (fourth edition).
14-43	Boys' button-on waists, shirts, junior and sport shirts (made from woven fabrics) (third edition).
15-46	Men's pajama sizes (made from woven fabrics) (third edition).
16-29	Wall paper.
17-47	Diamond core drill fittings (fourth edition).
18-29	Hickory golf shafts.
19-32	Foundry patterns of wood (second edition).
20-47	Staple vitreous china plumbing fixtures (fourth edition).
21-39	Interchangeable ground-glass joints, stopcocks, and stoppers (fourth edition).
22-40	Builders' hardware (nontemplate) (second edition).
23-30	Feldspar.
24-43	Screw threads and tap-drill sizes.
25-30	Special screw threads. Superseded by CS24-43.
26-30	Aromatic red cedar closet lining.
27-36	Mirrors (second edition).
28-46	Cotton fabric tents, tarpaulins and covers (second edition).
29-31	Staple seats for water-closet bowls.
30-31	Colors for sanitary ware.
31-38	Wood shingles (fourth edition).
32-31	Cotton cloth for rubber and pyroxylin coating.
33-43	Knit underwear (exclusive of rayon) (second edition).
34-31	Bag, case, and strap leather.
35-47	Hardwood plywood (third edition).
36-33	Fourdrinier wire cloth (second edition).
37-31	Steel bone plates and screws.
38-32	Hospital rubber sheeting.
39-37	Wool and part wool blankets (second edition). (Withdrawn as commercial standard, July 14, 1941).
40-32	Surgeons' rubber gloves.
41-32	Surgeons' latex gloves.
42-43	Structural fiber insulating board (third edition).
43-32	Grading of sulfonated oils.
44-32	Apple wraps.
45-45	Douglas fir plywood (sixth edition).
46-40	Hosiery lengths and sizes (third edition).
47-34	Marking of gold-filled and rolled-gold-plate articles other than watchcases.
48-40	Domestic burners for Pennsylvania anthracite (underfeed type) (second edition).

CS No.	Item
49-34	Chip board, laminated chip board and miscellaneous boards for bookbinding purposes.
50-34	Binders board for bookbinding and other purposes.
51-35	Marking articles made of silver in combination with gold.
52-35	Mohair pile fabrics (100-percent mohair plain velvet, 100-percent mohair plain frieze, and 50-percent mohair plain frieze).
53-35	Colors and finishes for cast stone.
54-35	Mattresses for hospitals.
55-35	Mattresses for institutions.
56-41	Oak flooring (second edition).
57-40	Book cloths, buckrams, and impregnated fabrics for bookbinding purposes except library bindings (second edition).
58-36	Woven elastic fabrics for use in overalls (overall elastic webbing).
59-44	Textiles—testing and reporting (fourth edition).
60-36	Hardwood dimension lumber.
61-37	Wood-slat venetian blinds.
62-38	Colors for kitchen accessories.
63-38	Colors for bathroom accessories.
64-37	Walnut veneers.
65-43	Method of analysis and of reporting fiber composition of textile products (second edition).
66-38	Marking of articles made wholly or in part of platinum.
67-38	Making articles made of karat gold.
68-38	Liquid hypochlorite disinfectant, deodorant, and germicide.
69-38	Fine oil disinfectant.
70-41	Phenolic disinfectant (emulsifying type) (second edition) (published with CS71-41).
71-41	Phenolic disinfectant (soluble type) (second edition) (published with CS70-41).
72-38	Household insecticide (liquid spray type).
73-45	Old growth Douglas fir standard stock doors (third edition).
74-39	Solid hardwood wall paneling.
75-42	Automatic mechanical draft oil burners designed for domestic installations (second edition).
76-39	Hardwood interior trim and molding.
77-40	Sanitary cast-iron enameled ware.
78-40	Ground-and-polished lenses for sun glasses (second edition) (published with CS79-40).
79-40	Blown, drawn, and dropped lenses for sun glasses (second edition) (published with CS78-40).
80-41	Electric direction signal systems other than semaphore type for commercial and other vehicles subject to special motor vehicle laws (after market).
81-41	Adverse-weather lamps for vehicles (after market).
82-41	Inner-controlled spotlamps for vehicles (after market).
83-41	Clearance, marker, and identification lamps for vehicles (after market).
84-41	Electric tail lamps for vehicles (after market).
85-41	Electric license-plate lamps for vehicles (after market).
86-41	Electric stop lamps for vehicles (after market).
87-41	Red electric warning lanterns.
88-41	Liquid-burning flares.

CS No.	Item	CS No.	Item
89-40.	Hardwood stair treads and risers. (Reserved for power shovels and cranes).	115-44.	Porcelain-enameled tanks for domestic use.
90-41.	Factory-fitted Douglas fir entrance doors.	116-44.	Bituminized-fibre drain and sewer pipe.
92-41.	Cedar, cypress and redwood tank stock lumber.	117-44.	Mineral wool, blankets, blocks, insulating cement, and pipe insulation for heated industrial equipment.
93-41.	Portable electric drills (exclusive of high frequency).	118-44.	Marking of jewelry and novelties of silver.
94-41.	Calking lead.	(E)119-45.1	Dial indicators (for linear measurements).
95-41.	Lead pipe.	120-46.	Standard stock ponderosa pine doors (second edition).
96-41.	Lead traps and bands.	121-45.	Women's slip sizes (woven fabrics).
97-42.	Electric supplementary driving and passing lamps for vehicles (after market).	122-45.	Western hemlock plywood.
98-42.	Artists' oil paints.	123-45.	Grading of diamond powder.
99-42.	Gas floor furnaces—gravity circulating type.	(E)124-45.1	Master disks.
100-44.	Porcelain-enameled steel utensils (second edition).	125-45.	Prefabricated homes.
101-43.	Flite-connected oil-burning space heaters equipped with vaporizing pot-type burners.	126-45.	Tank mounted air compressors.
102-43.	(Reserve for Diesel and fuel-oil engines).	127-45.	Self-contained mechanically refrigerated drinking water coolers.
103-42.	Cotton and rayon velour (jacquard and plain).	128-45.	Men's sport shirt sizes—woven fabrics (other than those marked with regular neckband sizes).
104-46.	Warm-air furnaces equipped with vaporizing pot-type oil burners (second edition).	129-47.	Materials for safety wearing apparel (second edition).
105-43.	Mineral wool, loose granulated, or felted form, in low-temperature installations.	130-46.	Color materials for art education in schools.
106-44.	Boys' pajama sizes (woven fabrics) (second edition).	131-45.	Industrial mineral wood products, all types—testing and reporting.
107-45.	Commercial electric-refrigeration condensing units (second edition).	132-46.	Hardware cloth.
108-43.	Treading automobile and truck tires.	133-46.	Woven wire netting.
109-44.	Solid-fuel-burning forced-air furnaces.	134-46.	Cast aluminum cooking utensils (metal composition).
110-43.	Tire repairs—vulcanized (passenger, truck, and bus tires).	135-46.	Men's shirt sizes (exclusive of work shirts).
111-43.	Earthenware (vitreous-glazed) plumbing fixtures.	136-46.	Blankets for hospitals (wool, and wool and cotton).
112-43.	Homogeneous fiber wallboard.	137-46.	Size measurements for men's and boys' shorts (woven fabrics).
113-44.	Oil-burning floor furnaces equipped with vaporizing pot-type burners.	138-47.	Insect wire screening.
114-43.	Hospital sheeting for mattress protection.	139-47.	Work gloves.
		140-47.	Convectors; testing and rating.
		141-47.	Sine bars, blocks, plates, and fixtures.

Notice—Those interested in commercial standards with a view toward accepting them as a basis of everyday practice may secure copies of the above standards, while the supply lasts, by addressing the Division of Trade Standards, National Bureau of Standards, Washington 25, D. C.

¹ Where "(E)" precedes the CS number, it indicates an emergency commercial standard, drafted under war conditions with a view toward early revision.

DEPARTMENT OF COMMERCE
National Bureau of Standards
VOLUNTARY PRODUCT STANDARDS
Notice of Action on Proposed
Withdrawal

In accordance with the provisions of § 10.12 of the Department's published "Procedures for the Development of Voluntary Product Standards" (15 CFR Part 10, as amended; 35 F.R. 8349 dated May 28, 1970), notice is hereby given of the withdrawal of the 36 commercial standards (CS) and 25 simplified practice recommendations (SPR) identified below. Each of these standards has been found to be obsolete, no longer technically adequate, no longer generally acceptable to and used by the industry, inconsistent with established policy, or otherwise inappropriate, and revision is not feasible or would serve no useful purpose.

- CS 14-51 Boys' sport and dress shirt (woven fabrics) size measurements.
- CS 33-43 Knit underwear (exclusive of rayon).
- CS 56-60 Strip oak flooring.
- CS 70-41 Phenolic disinfectant (emulsifying type).
- CS 71-41 Phenolic disinfectant (soluble type).
- CS 90-58 Power cranes and shovels.
- CS 101-63 Flue-connected oil-burning space heaters and recessed heaters with vaporizing pot-type burners.
- CS 104-63 Warm-air furnaces equipped with vaporizing-type oil burners.
- CS 106-57 Boys' pajama sizes (woven fabrics).
- CS 109-44 Solid-fuel-burning forced-air furnaces.
- CS 111-43 Earthenware (vitreous-glazed) plumbing fixtures.
- CS 113-63 Oil-burning floor furnaces equipped with vaporizing pot-type burners.
- CS 128-52 Men's sport shirt sizes—woven fabrics (other than those marked with regular neckband sizes).
- CS 129-47 Materials for safety wearing apparel.
- CS 131-46 Industrial mineral wool products, all types—testing and reporting.
- CS 134-46 Cast aluminum cooking utensils (metal composition).
- CS 135-46 Men's shirt sizes (exclusive of work shirts).
- CS 145-47 Testing and rating hand-fired hot water supply boilers.
- CS 152-48 Copper naphthenate wood preservative (spray, brush, dip applications).
- CS 158-49 Model forms for girls' apparel.
- CS-165-50 Zinc naphthenate wood preservative (spray, brush, dip applications).
- CS 174-41 140-F drycleaning solvent.
- CS 177-62 Bituminous-coated metal septic tanks (residential).
- CS 178-51 Testing and rating ventilating fans (axial and propeller types).
- CS 180-52 Model forms for boys' apparel.
- CS 183-51 Boys' trouser size measurements.
- CS 185-52 Wool felt.
- CS 186-52 Boys' sport outerwear size measurements.
- CS 195-60 Warm-air furnace burner units equipped with pressure-atomizing or rotary type oil burners.
- CS 198-55 Model forms for toddlers' and children's apparel.

- CS 198-55 Infants', children's, girls' and boys' knit underwear (exclusive of rayon, acetate, and nylon).
- CS 216-58 Asphalt insulating siding.
- CS 235-61 Pressure treated wood fence posts (with oil-type preservatives).
- CS 249-62 Pressure-treated Douglas fir marine piles.
- CS 250-62 Pressure-treated southern pine marine piles.
- CS 271-65 Grading of abrasive grain for grinding wheels.
- SPR 17-47 Heavy forged hand tools.
- SPR 44-49 Boxboard thicknesses.
- SPR 60-55 Machine, carriage and lag bolts, and nuts (case quantity and gross weight).
- SPR 72-27 Solid section steel windows.
- SPR 77-45 Hickory handles.
- SPR 100-47 Welded chain.
- SPR 125-31 Waxed tissue paper.
- SPR 136-32 Flax and hemp twine.
- SPR 147-42 Wire diameters for mineral aggregate production screens.
- SPR 157-50 Steel firebox boilers and steel heating boilers (commercial and residential).
- SPR 168-37 Braided shoe laces.
- SPR 180-41 Copper conductors for building purposes.
- SPR 183-46 Brass or bronze valves (gate, globe, angle, and check).
- SPR 184-47 Iron valves (gate, globe, angle, and check).
- SPR 185-47 Pipe fittings (gray cast-iron, malleable iron, and brass or bronze).
- SPR 190-42 Stove pipe and accessories.
- SPR 198-50 Wire rope.
- SPR 207-60 Pipes, ducts and fittings for warm air heating and air-conditioning systems.
- SPR 214-55 Metal-cutting band saws (hard edge flexible back).
- SPR 220-46 Open-end and box wrenches.
- SPR 227-47 Plumbing fixture fittings and trim for housing.
- SPR 229-63 Vises (machinists' and other bench-mounted vises).
- SPR 238-50 Convectors.
- SPR 245-51 Weldless chain and chain products.
- SPR 259-56 Hexagon-head cap screws (case quantity and gross weight).

Public notice of the intention to withdraw these standards was published in the FEDERAL REGISTER on June 21, 1972 (37 F.R. 12248), and a 45-day period was provided for the submission of comments or objections concerning the proposed withdrawal of any of these standards. No valid objections to the withdrawal of any of these standards have been received by the National Bureau of Standards.

The effective date for the withdrawal of these standards will be 60 days after the publication of this notice. This withdrawal action terminates the authority to refer to these standards as voluntary product standards developed under the Department of Commerce Procedures.

LAWRENCE M. KUSHNER,
Acting Director.

AUGUST 18, 1972.

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DEPARTMENT OF COMMERCE

National Bureau of Standards

VOLUNTARY PRODUCT STANDARDS

Notice of Intent To Withdraw Certain Standards

In accordance with § 10.12 of the Department of Commerce Procedures for the Development of Voluntary Product Standards (15 CFR Part 10, as revised, 35 F.R. 8349 dated May 28, 1970), notice is hereby given of the Department's intent to withdraw the 62 standards identified below. It has been tentatively determined that each of these Commercial Standards (CS) and Simplified Practice Recommendations (SPR) are obsolete, no longer technically adequate, no longer generally acceptable to and used by the industry, inconsistent with established policy, or otherwise inappropriate, and revision is not feasible or would serve no useful purpose.

- CS 14-51 Boys' Sport and Dress Shirt (Woven Fabrics) Size Measurements.
- CS 33-43 Knit Underwear (Exclusive of Rayon).
- CS 56-60 Strip Oak Flooring.
- CS 70-41 Phenolic Disinfectant (Emulsifying Type).
- CS 71-41 Phenolic Disinfectant (Soluble Type).
- CS 90-58 Power Cranes and Shovels.
- CS 101-63 Flue-Connected Oil-Burning Space Heaters and Recessed Heaters with Vaporizing Pot-Type Burners.
- CS 104-63 Warm-Air Furnaces Equipped with Vaporizing-Type Oil Burners.
- CS 106-57 Boys' Pajama Sizes (Woven Fabrics).
- CS 109-44 Solid-Fuel-Burning Forced-Air Furnaces.
- CS 111-43 Earthenware (Vitreous-Glazed) Plumbing Fixtures.
- CS 113-63 Oil-Burning Floor Furnaces Equipped with Vaporizing Pot-Type Burners.
- CS 128-52 Men's Sport Shirt Sizes-Woven Fabrics (Other than Those Marked with Regular Neckband Sizes).
- CS 129-47 Materials for Safety Wearing Apparel.
- CS 131-46 Industrial Mineral Wool Products, All Types—Testing and Reporting.
- CS 134-46 Cast Aluminum Cooking Utensils (Metal Composition).
- CS 135-46 Men's Shirt Sizes (Exclusive of Work Shirts).
- CS 145-47 Testing and Rating Hand-Fired Hot Water Supply Boilers.
- CS 152-48 Copper Naphthenate Wood Preservative (Spray, Brush, Dip Applications).
- CS 158-49 Model Forms for Girls' Apparel.
- CS 165-50 Zinc Naphthenate Wood Preservative (Spray, Brush, Dip Applications).
- CS 174-41 140-F Drycleaning Solvent.
- CS 177-62 Bituminous-Coated Metal Septic Tanks (Residential).
- CS 178-51 Testing and Rating Ventilating Fans (Axial and Propeller Types).
- CS 180-52 Model Forms for Boys' Apparel.
- CS 183-51 Boys' Trouser Size Measurements.
- CS 185-52 Wool Felt.
- CS 186-52 Boys' Sport Outerwear Size Measurements.

- CS 195-60 Warm-Air Furnace Burner Units Equipped with Pressure-Atomizing or Rotary Type Oil Burners.
- CS 196-55 Model Forms for Toddlers' and Children's Apparel.
- CS 198-56 Infants', Children's, Girls' and Boys' Knit Underwear (Exclusive of Rayon, Acetate, and Nylon).
- CS 216-58 Asphalt Insulating Siding.
- CS 235-61 Pressure Treated Wood Fence Posts (With Oil-Type Preservatives).
- CS 249-62 Pressure-Treated Douglas Fir Marine Piles.
- CS 250-62 Pressure-Treated Southern Pine Marine Piles.
- CS 271-65 Grading of Abrasive Grain for Grinding Wheels.
- SPR 17-47 Heavy Forged Hand Tools.
- SPR 44-49 Boxboard Thicknesses.
- SPR 60-55 Machine, Carriage and Lag Bolts, and Nuts (Case Quantity and Gross Weight).
- SPR 72-27 Solid Section Steel Windows.
- SPR 77-45 Hickory Handles.
- SPR 100-47 Welded Chain.
- SPR 125-31 Waxed Tissue Paper.
- SPR 136-32 Flax and Hemp Twine.
- SPR 147-42 Wire Diameters for Mineral Aggregate Production Screens.
- SPR 157-50 Steel Firebox Boilers and Steel Heating Boilers (Commercial and Residential).
- SPR 163-48 Coarse Aggregates (Crushed Stone, Gravel, and Slag).
- SPR 168-37 Braided Shoe Laces.
- SPR 180-41 Copper Conductors for Building Purposes.
- SPR 183-46 Brass or Bronze Valves (Gate, Globe, Angle, and Check).
- SPR 184-47 Iron Valves (Gate, Globe, Angle, and Check).
- SPR 185-47 Pipe Fittings (Gray Cast-Iron, Malleable Iron, and Brass or Bronze).
- SPR 190-42 Stove Pipe and Accessories.
- SPR 198-50 Wire Rope.
- SPR 207-60 Pipes, Ducts, and Fittings for Warm Air Heating and Air-Conditioning Systems.
- SPR 214-55 Metal-Cutting Band Saws (Hard Edge Flexible Back).
- SPR 220-46 Open-End and Box Wrenches.
- SPR 227-47 Plumbing Fixture Fittings and Trim for Housing.
- SPR 229-63 Vises (Machinists' and Other Bench-Mounted Vises).
- SPR 238-50 Convectors.
- SPR 245-51 Weldless Chain and Chain Products.
- SPR 259-56 Hexagon-Head Cap Screws (Case Quantity and Gross Weight).

Any comments or objections concerning the intended withdrawal of any of these standards should be made in writing and directed to the Office of Engineering Standards Services, National Bureau of Standards, Washington, D.C. 20234, within 45 days of the publication of this notice. The effective date of withdrawal, where appropriate, will be not less than 60 days after the final notice of withdrawal. Withdrawal action terminates the authority to refer to a published standard as a voluntary standard developed under the Department of Commerce procedures, from the effective date of the withdrawal.

Dated: June 16, 1972.

LAWRENCE M. KUSHNER,
Acting Director.

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