

**SUN GLASS LENSES MADE OF GROUND AND
POLISHED PLATE GLASS THEREAFTER
THERMALLY CURVED**

COMMERCIAL STANDARD CS159-49

Effective Date for New Production From May 1, 1949



**A RECORDED VOLUNTARY STANDARD
OF THE TRADE**

UNITED STATES DEPARTMENT OF COMMERCE

CHARLES SAWYER, Secretary

For sale by the Superintendent of Documents, U. S. Government Printing Office
Washington 25, D. C. - Price 10 cents

COMMODITY STANDARDS

Simplified Practice Recommendations and Commercial Standards are developed by manufacturers, distributors, and users in cooperation with the Commodity Standards Division of the National Bureau of Standards. The purpose of Simplified Practice Recommendations is to eliminate avoidable waste through the establishment of standards of practice for stock sizes and varieties of specific commodities that currently are in general production and demand. The purpose of Commercial Standards is to establish standard methods of test, rating, certification, and labeling of commodities, and to provide uniform bases for fair competition.

The adoption and use of a Simplified Practice Recommendation or Commercial Standard is voluntary. However, when reference to a Commercial Standard is made in contracts, labels, invoices, or advertising literature, the provisions of the standard are enforceable through usual legal channels as a part of the sales contract.

A Simplified Practice Recommendation or Commercial Standard originates with the proponent industry. The sponsors may be manufacturers, distributors, or users of the specific product. One of these three elements of industry submits to the Commodity Standards Division the necessary data to be used as the basis for developing a standard of practice. The Division, by means of assembled conferences or letter referenda, or both, assists the sponsor group in arriving at a tentative standard of practice and thereafter refers it to the other elements of the same industry for approval or for constructive criticism that will be helpful in making any necessary adjustments. The regular procedure of the Division assures continuous servicing of each effective Simplified Practice Recommendation and Commercial Standard, through review and revision, whenever, in the opinion of the industry, changing conditions warrant such action. Simplified Practice Recommendations and Commercial Standards are printed and made available by the Department of Commerce through the Government Printing Office.

COMMERCIAL STANDARD FOR SUN GLASS LENSES MADE OF GROUND AND POLISHED PLATE GLASS THEREAFTER THERMALLY CURVED

On March 1, 1949, at the instance of proponent manufacturers, a Recommended Commercial Standard for Sun Glass Lenses Made of Ground and Polished Plate Glass Thereafter Thermally Curved, adjusted in accordance with comment from interested organizations, was circulated to the trade for written acceptance. Those concerned have since accepted and approved the standard as shown herein.

Project Manager: F. W. REYNOLDS, Commodity Standards Division, National Bureau of Standards.

Technical Advisers: DR. I. C. GARDNER, DR. F. E. WASHER, Electricity and Optics Division, National Bureau of Standards.

COMMERCIAL STANDARD CS159-49

for

SUN GLASS LENSES MADE OF GROUND AND POLISHED PLATE GLASS THEREAFTER THER- MALLY CURVED

PURPOSE

1. The purpose of this commercial standard is to provide a nationally recognized specification for sun glass lenses which are processed from selected ground and polished plate glass, thereafter thermally curved, to serve as an assurance and protection to purchasers, to promote fair competition between manufacturers, and to serve as a basis for certification of quality.

SCOPE

2. This commercial standard covers the focal and prismatic power, as well as freedom from defects that impair the optical functioning of these sun glass lenses. The lenses covered by this commercial standard are eye-protective (not eye-corrective) devices. They are not a substitute for prescription lenses but may be worn therewith.

TYPE

3. This specification covers sun glass lenses made entirely from ground and polished plate glass, thereafter thermally curved.

GENERAL REQUIREMENTS

4. The lenses shall be made from glass of a quality suitable for optical products, that is, glass free from strain, bubbles, seeds, or other defects visible to the unaided eye. Both optical surfaces of the flat glass before curving shall be ground and polished and free from surface defects, such as scratches, waves, and grayness, visible to the unaided eye before the process of curving. After curving the lenses shall be free of all visible defects, such as waves, striae, bubbles, and seeds, when examined by transmitted light.

5. Surfaces of lenses shall be essentially parallel; prismatic effect shall not exceed $1/8$ prism diopter.

6. Lenses shall be essentially without focal power. There shall be not more than $1/16$ diopter of power in any meridian and the difference in power between any two meridians shall not exceed $1/16$ diopter.

7. The lenses shall permit good definition and clear vision in accordance with the test of paragraph 9d.

8. The lenses shall have a luminous transmittance of not more than 67 percent for standard ICI source A (representative of incandescent lamp light).

OPTICAL TESTS FOR LENSES

9a. The lenses shall be tested, as worn, for prismatic power, refractive power, and definition by any standard methods of sufficient accuracy for the purpose, and which are equivalent to the National Bureau of Standards methods listed below.

9b. *Prismatic power.*—The lenses are to be tested for prismatic power with a 12-power telescope which has an effective aperture not less than $\frac{1}{4}$ inch and is equipped with cross-hairs in the focal plane of the ocular. The telescope is to be focused on an illuminated target placed at a distance of 35 feet from the telescope objective, comprising a control dot and a concentric circle 1.0 inch in diameter. The telescope is to be so aligned that the image of the central dot falls on the intersection of the cross-hairs in the focal plane of the ocular. The lens is to be held as worn in front of the objective lens of the telescope, and if the intersection point of the cross-hairs falls without the image of the circle the prismatic power of the lens exceeds $\frac{1}{8}$ prism diopter.

9c. *Refractive power.*—The lenses are to be tested, as worn, for refractive power by any suitable instrument, such as a lensometer, vertometer, or telescope. The telescope method of measuring refractive power requires an external focusing telescope with effective aperture not less than $\frac{1}{4}$ inch and with magnifying power not less than 12. The telescope is focused on an illuminated test chart (described in National Bureau of Standards Circular C428, obtainable from the Superintendent of Documents, Government Printing Office, Washington 25, D. C., at 50 cents a copy) placed at a distance of 35 feet from the telescope objective. The telescope is calibrated by successively placing standard lenses of powers $+1/16$ and $-1/16$ diopters in front of the objective and locating the positions of best focus. These positions are marked by scratches on the draw tubes or other suitable index marks. The lens is to be held in front of the calibrated telescope, and if the position of the best focus falls outside the index marks the refractive power is in excess of $\pm 1/16$ diopter. If the separation of the best focus positions for vertical and horizontal lines in the pattern exceeds $\frac{1}{2}$ the separation of the index marks, the difference in refractive power for two meridians exceeds $\frac{1}{16}$ diopter.

9d. *Definition test.*—The lenses are to be tested for definition with a 12-power telescope which has an effective aperture of $\frac{1}{4}$ inch and is focused at a distance of 35 feet on an illuminated test chart. As a test chart the resolving power chart pattern 20 of National Bureau of Standards Circular C428 may be used. An advantage in adopting this chart is that by its use it becomes possible to provide all inspectors with identical charts, whereas if charts are improvised at different places they are likely to be different. The pattern marked 20 should be clearly resolved with the target placed at a distance of 35 feet from the telescope objective used for testing lenses.

NOTE.—Chart pattern 20, when resolved under the above conditions, indicates a resolving power of 24 seconds, and since the resolving power of the normal eye is approximately 60 seconds the test is not unduly stringent.

10. *Luminous-transmittance test for lenses.*—The luminous transmittance of the lens for standard source A shall be determined by illuminating the lens by a gas-filled, tungsten-filament lamp of from 50 to 200 watts operated at its rated voltage, and by measuring the transmitted flux relative to the incident flux either photometrically by an observer having a luminosity function within normal limits or by a physical photometer adjusted by means of a filter to agree closely with the standard luminosity function recommended by the International Commission on Illumination.

IDENTIFICATION

11a. In order that purchasers may be assured that sun glass lenses purchased actually comply with all requirements of the Commercial Standard, it is recommended that manufacturers include the following statement in conjunction with their name and address on labels, invoices, sales literature, etc.:

These sun glass lenses made from ground and polished plate glass thereafter thermally curved, comply with Commercial Standard CS159-49, developed by the trade under the procedure of the National Bureau of Standards, and issued by the U. S. Department of Commerce.

11b. When available space on labels is insufficient for the full statement in legible type, an abbreviated statement, as follows, is recommended:

Complies with CS159-49, as developed by the trade, and issued by the U. S. Department of Commerce.

EFFECTIVE DATE

12. Having been passed through the regular procedure of the Commodity Standards Division, and approved by the acceptors hereinafter listed, this commercial standard was issued by the United States Department of Commerce, effective from May 1, 1949.

EDWIN W. ELY,
Chief, Commodity Standards Division.

HISTORY OF PROJECT

13. On January 27, 1948, a group of interested manufacturers requested the cooperation of the National Bureau of Standards in the establishment of a commercial standard for sun glass lenses made from curved plate glass, and submitted a proposed specification to be used as a basis for the establishment of the commercial standard.

14. This specification was submitted to a number of manufacturers, distributors, users, and other interested organizations, for comment, on February 10, 1948. After adjustment in agreement with the consensus of comment received, a recommended commercial standard was circulated to the trade for written acceptance on March 1, 1949.

15. Acceptances in writing, estimated to represent a satisfactory majority, having been received, an announcement was issued on March

31, 1949, that the standard would become effective for new production on May 1, 1949.

STANDING COMMITTEE

16. 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 Commodity Standards Division, National Bureau of Standards, which acts as secretary for the committee.

DANIEL DEGORTER (Chairman), Plate Glass Sales Agency, 130 West 31st Street, New York 1, N. Y.

BLANKE, T. L., 100 West 31st Street, New York 1, N. Y. (Representing National Retail Dry Goods Association.)

BRACKETT, DR. FREDERICK S., National Institute of Health, Bethesda 14, Md.

CORWIN, MAX, Regal Glass Corporation, 421 East 13th Street, New York 3, N. Y.

DARGAVEL, J. W., 205 West Wacker Drive, Chicago 6, Ill. (Representing the National Association of Retail Druggists.)

ENGEL, HENRY H., Modern Glass Processing Corporation, 1541 Schaeffer Street, Brooklyn 27, N. Y.

FLETCHER, LESLIE S., 44 Trinity Place, New York 6, N. Y. (Representing American Standards Testing Bureau, Inc.)

FRATES, GEORGE, National Press Building, Washington, D. C. (Alternate, representing the National Association of Retail Druggists.)

HOSKINS, H. W., 1148 Main Street, Bridgeport 1, Conn. (Representing State of Connecticut Commission of Opticians, and Guild of Prescription Opticians of America, Inc.)

IMUS, DR. HENRY A., Office of Naval Research, Navy Department, Washington 25, D. C.

LAMPERT, CHESTER, Irving Lampert Co., Inc., 236 Liberty Avenue, Brooklyn 7, N. Y.

VOLK, IRVING J., New York Eye Protection Company, Inc., 60 Broadway, Brooklyn 11, N. Y.

WASHER, DR. FRANCIS E., National Bureau of Standards, Washington 25, D. C.

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 _____

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

Gentlemen:

We believe that the Commercial Standard CS159-49 constitutes a useful standard of practice, and we individually plan to utilize it as far as practicable in the

production ¹ distribution ¹ purchase ¹ testing ¹

of sun glass lenses made from ground and polished plate glass, there-
after thermally curved. 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 _____
(Fill in exactly as it should be listed)

Street address _____

City, Zone, and State _____

¹ Underscore which one. Please see that separate acceptances are filed for all subsidiary companies and affiliates which should be listed separately as acceptors. 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.

(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 acceptances 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

17. The organizations listed below have individually accepted this standard for use as far as practicable in the production, distribution, testing, or purchase of sun glass lenses made of ground and polished plate glass, thereafter thermally curved. 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)

National Retail Dry Goods Association, New York, N. Y.

FIRMS AND OTHER INTERESTS

Abraham & Straus, Inc., Brooklyn, N. Y.
 Apex Specialties Co., New Rochelle, N. Y.
 Ark-Wise Optical Co., Brooklyn, N. Y.
 Athol Comb Co., New York, N. Y.
 B & M Distributing Co., Inc., Cranston, R. I.
 Bauer, Henry H., Inc., New York, N. Y.
 Benson, N. P., Optical Co., Minneapolis, Minn.
 Buhl Optical Co., Pittsburgh, Pa.
 Bullard, E. D., Co., San Francisco, Calif.
 Central of Georgia Railway Co., Savannah, Ga.
 City Opticians, Greensboro, N. C.
 Clinton Optical Co., Inc., Rochester, N. Y.
 Comptone Co., Ltd., New York, N. Y.
 Du Paul-Central Optical Co., Inc., Southbridge, Mass.
 Eye-Site Laboratories, Division of Sundial Optical Co., Olneyville, R. I.
 Franklin Glass Corp., Butler, Pa.
 Gem Optical Manufacturing Co., Brooklyn, N. Y.
 Global Optical Co., New York, N. Y.
 Goetz, C. P., American Optical Co., New York, N. Y. (General support.)
 Goldgram Bros., New York, N. Y.
 Johnston Optical Co., Detroit, Mich.
 Karol Optical Co., Inc., New York, N. Y.
 Lampert, Irving Co., Inc., Brooklyn, N. Y.

Lavoie, Wilfred H., Southbridge, Mass.
 Marsco Manufacturing Co., Chicago, Ill.
 May Manufacturing Corp., New York, N. Y.
 Mayer, Geo., & Co., Philadelphia, Pa.
 McIntire, Magee & Brown Co., Philadelphia, Pa.
 Merlin Manufacturing Co., New York, N. Y.
 Meyrowitz, E. B., Inc., New York, N. Y.
 Modern Glass Processing Corp., Brooklyn, N. Y.
 Mojay Products, Inc., Providence, R. I.
 New York Eye Protection Co., Inc., Brooklyn, N. Y.
 Pathway Plastic Corp., New York, N. Y.
 Philray Products Corp., New York, N. Y.
 Plate Glass Sales Agency, New York, N. Y.
 Quinton-Duffens Optical Co., Topeka, Kans.
 Raynard Optical Co., Brooklyn, N. Y.
 Regal Glass Corp., New York, N. Y.
 Ridgway's, Evansville, Ind.
 Ryan Aeronautical Co., San Diego, Calif.
 Safety First Supply Co., Pittsburgh, Pa.
 Sills & Greene Optical Corp., Brooklyn, N. Y.
 Simon, Ray, Optical Co., Chicago, Ill.
 Snell, Foster D., Inc., New York, N. Y.
 Sundial Optical Co., New York, N. Y.
 Sunware Products, Inc., New York, N. Y.
 Universal Sunglass Co., Inc., New York, N. Y.
 Vorwerk Optical Co., Akron, Ohio.
 Winters Optical Manufacturing Co., New York, N. Y.
 Zenith Optical Laboratory, New York, N. Y.

UNITED STATES GOVERNMENT

Air Matériel Command, United States Air Force, Dayton, Ohio.

COMMERCIAL STANDARDS

CS No.	Item	CS No.	Item
0-40.	Commercial standards and their value to business (third edition).	56-49.	Oak flooring (third edition).
1-42.	Clinical thermometers (third edition).	57-40.	Book cloths, buckrams, and impregnated fabrics for bookbinding purposes except library bindings (second edition).
2-30.	Mopsticks.	58-36.	Woven elastic fabrics for use in overalls (overall elastic webbing).
3-40.	Stoddard solvent (third edition).	59-44.	Textiles—testing and reporting (fourth edition).
4-29.	Staple porcelain (all-clay) plumbing fixtures.	60-48.	Hardwood dimension lumber (second edition).
5-46.	Pipe nipples; brass, copper, steel and wrought-iron (second edition).	61-37.	Wood-slat venetian blinds.
6-31.	Wrought-iron pipe nipples (second edition). Superseded by CS5-46.	62-38.	Colors for kitchen accessories.
7-29.	Standard weight malleable iron or steel screwed unions.	63-38.	Colors for bathroom accessories.
8-41.	Gage blanks (third edition).	64-37.	Walnut veneers.
9-33.	Builders' template hardware (second edition).	65-43.	Methods of analysis and of reporting fiber composition of textile products (second edition).
10-29.	Brass pipe nipples. Superseded by CS5-46.	66-38.	Marking of articles made wholly or in part of platinum.
11-41.	Moisture regains of cotton yarns (second edition).	67-38.	Marking articles made of karat gold.
12-48.	Fuel oils (sixth edition).	68-38.	Liquid hypochlorite disinfectant, deodorant, and germicide.
13-44.	Dress patterns (fourth edition).	69-38.	Pine oil disinfectant.
14-43.	Boys' button-on waists, shirts, junior and sport shirts (made from woven fabrics) (third edition).	70-41.	Phenolic disinfectant (emulsifying type) (second edition) (published with CS71-41).
15-46.	Men's pajama sizes (made from woven fabrics) (third edition).	71-41.	Phenolic disinfectant (soluble type) (second edition) (published with CS70-41).
16-29.	Wallpaper.	72-38.	Household insecticide (liquid spray type).
17-47.	Diamond core drill fittings (fourth edition).	73-48.	Old growth Douglas fir, Sitka spruce and Western hemlock standard stock doors (fourth edition).
18-29.	Hickory golf shafts.	74-39.	Solid hardwood wall paneling.
19-32.	Foundry patterns of wood (second edition).	75-42.	Automatic mechanical draft oil burners designed for domestic installations (second edition).
20-47.	Staple vitreous china plumbing fixtures (fourth edition).	76-39.	Hardwood interior trim and molding.
21-39.	Interchangeable ground-glass joints, stopcocks, and stoppers (fourth edition).	77-48.	Enameled cast iron plumbing fixtures (second edition).
22-40.	Builders' hardware (nontemplate) (second edition).	78-40.	Ground-and-polished lenses for sun glasses (second edition) (published with CS79-40).
23-30.	Feldspar.	79-40.	Blown, drawn, and dropped lenses for sun glasses (second edition) (published with CS78-40).
24-43.	Screw threads and tap-drill sizes.	80-41.	Electric direction signal systems other than semaphore type for commercial and other vehicles subject to special motor vehicle laws (after market).
25-30.	Special screw threads. Superseded by CS24-43.	81-41.	Adverse-weather lamps for vehicles (after market).
26-30.	Aromatic red cedar closet lining.	82-41.	Inner-controlled spotlamps for vehicles (after market).
27-36.	Mirrors (second edition).	83-41.	Clearance, marker, and identification lamps for vehicles (after market).
28-46.	Cotton fabric tents, tarpaulins and covers (second edition).	84-41.	Electric tail lamps for vehicles (after market).
29-31.	Staple seats for water-closet bowls.	85-41.	Electric license-plate lamps for vehicles (after market).
30-31.	Colors for sanitary ware. (Withdrawn as commercial standard, March 15, 1948).	86-41.	Electric stop lamps for vehicles (after market).
31-38.	Wood shingles (fourth edition).	87-41.	Red electric warning lanterns.
32-31.	Cotton cloth for rubber and pyroxylin coating.	88-41.	Liquid burning flares.
33-43.	Knit underwear (exclusive of rayon) (second edition).	89-40.	Hardwood stair treads and risers.
34-31.	Bag, case, and strap leather.	90-	(Reserved for power shovels and cranes.)
35-47.	Hardwood plywood (third edition).	91-41.	Factory-fitted Douglas fir entrance doors.
36-33.	Fourdrinier wire cloth (second edition).	92-41.	Cedar, cypress, and redwood tank stock lumber.
37-31.	Steel bone plates and screws.	93-41.	Portable electric drills (exclusive of high frequency).
38-32.	Hospital rubber sheeting.	94-41.	Calking lead.
39-37.	Wool and part wool blankets (second edition). (Withdrawn as commercial standard, July 14, 1941).	95-41.	Lead pipe.
40-32.	Surgeons' rubber gloves.	96-41.	Lead traps and bends.
41-32.	Surgeons' latex gloves.	97-42.	Electric supplementary driving and passing lamps for vehicles (after market).
42-43.	Structural fiber insulating board (third edition).	98-42.	Artists' oil paints.
43-32.	Grading of sulphonated oils.	99-42.	Gas floor furnaces—gravity circulating type.
44-32.	Apple wraps.	100-47.	Porcelain-enameled steel utensils (third edition).
45-48.	Douglas fir plywood (eighth edition).	101-43.	Flue-connected oil-burning space heaters equipped with vaporizing pot-type burners.
46-40.	Hosiery lengths and sizes (third edition).	102-	(Reserved for Diesel and fuel-oil engines.)
47-34.	Marking of gold-filled and rolled-gold-plate articles other than watch cases.	103-48.	Rayon jacquard velour (with or without other decorative yarn) (second edition).
48-40.	Domestic burners for Pennsylvania anthracite (underfeed type) (second edition).	104-46.	Warm-air furnaces equipped with vaporizing pot-type oil burners (second edition).
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.		

CS No.	Item	CS No.	Item
105-48.	Mineral wool insulation for low temperatures (second edition).	132-46.	Hardware cloth.
106-44.	Boys' pajama sizes (woven fabrics) (second edition).	133-46.	Woven wire netting.
107-45.	Commercial electric-refrigeration condensing units (second edition). (Withdrawn as commercial standard September 4, 1947.)	134-46.	Cast aluminum cooking utensils (metal composition).
108-43.	Treading automobile and truck tires.	135-46.	Men's shirt sizes (exclusive of work shirts).
109-44.	Solid-fuel-burning forced-air furnaces.	136-46.	Blankets for hospitals (wool, and wool and cotton).
110-43.	Tire repairs—vulcanized (passenger, truck, and bus tires).	137-46.	Size measurements for men's and boys' shorts (woven fabrics).
111-43.	Earthenware (vitreous-glazed) plumbing fixtures.	138-47.	Insect wire screening.
112-43.	Homogeneous fiber wallboard.	139-47.	Work gloves.
113-44.	Oil-burning floor furnaces equipped with vaporizing pot-type burners.	140-47.	Testing and rating convectors.
114-43.	Hospital sheeting for mattress protection.	141-47.	Sine bars, blocks, plates, and fixtures.
115-44.	Porcelain-enameled tanks for domestic use.	142-47.	Automotive lifts.
116-44.	Bituminized-fibre drain and sewer pipe.	143-47.	Standard strength and extra strength perforated clay pipe.
117-44.	Mineral wool; blankets, blocks, insulating cement, and pipe insulation for heated industrial equipment.	144-47.	Formed metal porcelain enameled sanitary ware.
118-44.	Marking of jewelry and novelties of silver.	145-47.	Testing and rating hand-fired hot-water-supply boilers.
(E)119-45. ¹	Dial indicators (for linear measurements).	146-47.	Gowns for hospital patients.
120-48.	Standard stock ponderosa pine doors (third edition).	147-47.	Colors for molded urea plastics.
121-45.	Women's slip sizes (woven fabrics).	148-48.	Men's circular flat and rib knit rayon underwear.
122-45.	Western hemlock plywood.	149-48.	Utility type house dress sizes.
123-45.	Grading of diamond powder.	150-48.	Hot-rolled rail steel bars (produced from tee-section rails).
(E)124-45. ¹	Master disks.	151-48.	Body measurements for the sizing of apparel for infants, babies, toddlers, and children (for the knit-underwear industry).
125-47.	Prefabricated homes (second edition).	152-48.	Copper naphthenate wood-preservative.
126-45.	Tank-mounted air compressors.	153-48.	Body measurements for the sizing of apparel for girls (for the knit-underwear industry).
127-45.	Self-contained mechanically refrigerated drinking water coolers.	154-	(Reserved for wire rope).
128-45.	Men's sport shirt sizes—woven fabrics (other than those marked with regular neckband sizes).	155-49.	Body measurements for the sizing of apparel for boys (for the knit-underwear industry).
129-47.	Materials for safety wearing apparel (second edition).	156-49.	Colors for polystyrene plastics.
130-46.	Color materials for art education in schools.	157-49.	Ponderosa pine and sugar pine plywood.
131-46.	Industrial mineral wool products, all types—testing and reporting.	158-49.	Model forms for girls' apparel.
		159-49.	Sun-glass lenses made of ground and polished plate glass, thereafter thermally curved.

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

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



FEDERAL REGISTER

National Bureau of Standards

COMMERCIAL STANDARDS AND SIMPLIFIED PRACTICE RECOMMENDATIONS

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 81 standards identified below. It has been tentatively determined that each of these Commercial Standards (CS) and Simplified Practice Recommendations (SPR) are no longer technically adequate or used by the industry, or are otherwise not in the public interest.

- CS 16-29 Wall Paper.
 CS 26-30 Aromatic Red Cedar Closet Lining.
 CS 27-36 Mirrors.
 CS 28-46 Cotton Fabric Tents, Tarpaulins and Covers.
 CS 42-32 Grading of Sulphonated (Sulphated) Oils - Saponifiable Types.
 CS 61-51 Venetian Blinds (Grade A Custom-Made).
 CS 73-61 Old Growth Douglas Fir, Sitka Spruce, and Western Hemlock Doors.
 CS 76-39 Hardwood Interior Trim and Molding.
 CS 78-40 Ground-and-Polished Lenses for Sun Glasses.
 CS 79-40 Blown, Drawn, and Dropped Lenses for Sun Glasses.
 CS 89-40 Hardwood Stair Treads and Risers.
 CS 92-41 Cedar, Cypress and Redwood Tank Stock Lumber.
 CS 119-45 Dial Indicators (For Linear Measurements).
 CS 133-46 Woven Wire Netting.
 CS 134-46 Cast Aluminum Cooking Utensils (Metal Composition).
 CS 140-47 Testing and Rating Convector, Sine Bars, Blocks, Plates and Fixtures.
 CS 159-49 Sun Glass Lenses Made of Ground and Polished Plate Glass Thereafter Thermally Curved.
 CS 160-49 Wood Fiber Blanket Insulation (For Building Construction).
 CS 161-59 "Standard Grade" Hot Dipped Galvanized Ware (Coated After Fabrication).
 CS 162-49 Tufted Bedsprads.
 CS 167-50 Automotive and General Service Copper Tube.
 CS 168-50 Polystyrene Plastic Wall Tiles, and Adhesives for Their Application.
 CS 169-50 Galvanized Ware Fabricated from Pregalvanized Steel Sheets (For Standard Grade Items Only).
 CS 206-57 Solvent Welded (SWP Size) (Cellulose-Acetate Butyrate Pipe)
- CS 225-59 Method of Rating Commercial and Industrial Type Vacuum Cleaners, Portable and Mobile Types.
 CS 231A-60 Aircraft Hangar Doors Manually Operated - Horizontal Sliding Type (Steel Frame).
 CS 231B-61 Aircraft Hangar Doors, of the Individually Power-Operated Horizontal Sliding Type (Steel Frame).
 CS 231C-63 Aircraft Hangar Doors of the Partial Group Power-Operated Horizontal Sliding Type (Steel Frame).
 CS 231D-63 Aircraft Hangar Doors of the Full-Group Power-Operated Horizontal Sliding Type (Steel Frame).
 CS 231E-63 Aircraft Hangar Doors of the Power-Operated Unbraced-Canopy Type (Steel Frame).
 CS 232-60 Industrial Wire Cloth.
 CS 244-62 Roof Drainage Products.
 CS 262-63 TFE-Fluorocarbon (Polytetrafluoroethylene) Resin Electrical Insulating Tubing.
 CS 263-64 Aluminium Nails.
 CS 267-65 Steel Medicine Cabinets.
- SPR 6-63 Standard Stock Sizes of American Pattern and Curved Milled Tooth Files and Rasps.
 SPR 11-36 Bed Blanket Sizes.
 SPR 22-40 Paper (Basic Sheet Sizes).
 SPR 31-63 Loaded Shot Shell.
 SPR 37-38 Commercial Forms (Invoice, Purchase Order and Inquiry), Grocers' Paper Bags.
 SPR 42-61 Cut Tacks and Small Cut Nails.
 SPR 47-54 Chasers for Self-Opening and Adjustable Die Heads.
 SPR 51-29 Steel Spirals for Reinforced Concrete Columns.
 SPR 53-63 Metallic Cartridges.
 SPR 62-63 Ash Handles.
 SPR 76-40 Binders' Board.
 SPR 81-28 Hack-Saw Blades.
 SPR 90-62 Glass Containers for Preserves, Jellies and Apple Butter.
 SPR 91-32 Merchandise Paper Bags.
 SPR 129-59 Ice Cream Cups and Cup Caps.
 SPR 132-36 Corrugated and Solid-Fiber Boxes for Canned Fruits and Vegetables.
 SPR 146-52 Copper Wire Nails.
 SPR 150-34 Cans for Fruits and Vegetables (Names, Dimensions, Capacities and Designated Use).
 SPR 155-49 Packaging of Air Brake (Electric Railway) Parts.
 SPR 162-35 Stock Folding Boxes for Millinery.
 SPR 173-54 Heavy-Duty, Round Nesting Paper, Food and Beverage Containers and Lids.
 SPR 187-42 Food Trays or Dishes (Waxed Paper, Molded Wood Pulp, and Wood Types).
 SPR 197-51 Glass Containers for Maraschino Cherries.
 SPR 206-63 Standard Stock Sizes of Swiss Pattern Files.
 SPR 208-55 Fluid-Milk Cans.

- SPR 213-45 Asphalt Roll Roofing and Asphalt and Tar-Saturated Felt Products.
 SPR 217-49 Copper Water Tube, and Copper and Brass Pipe.
 SPR 218-46 Paper Tubes for Packaging Milk Bottle Caps.
 SPR 223-47 Wire Nails and Staples.
 SPR 228-47 Pallets for Handling Groceries and Packaged Merchandise.
 SPR 235-48 Copper and Copper-Alloy Round Seamless Tube.
 SPR 241-50 Copper and Copper-Alloy Rod.
 SPR 246-51 Wooden Kegs for Nails.
 SPR 248-52 Packaging of Standard Malleable Iron Screwed Pipe Fittings, Black or Galvanized.
 SPR 250-53 Standard Drug Catalogs.
 SPR 251-54 Packaging of Gas Stop Cocks.
 SPR 252-60 Standard Sizes of Pint, Quart, and Half-Gallon Rectangular Ice Cream Cartons and Molds.
 SPR 254-54 Packaging of Steel Pipe Couplings.
 SPR 256-55 Steel Outlet Boxes, Zinc or Cadmium Coated.
 SPR 257-55 Thermal Conductance Factors for Performed Above-Deck Roof Insulation.
 SPR 258-56 One-Pound Eastern Flat Margarine Carton.
 SPR 261-58 One-Pound Elgin-Style Butter Cartons Sizes.
 SPR 262-60 Acoustical Materials.
 SPR 263-60 Standard Shapes, Sizes, Grades and Designations of Cemented Carbide Products.

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: February 28, 1972.

LEWIS M. BRANSCOMB,
 Director.

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