

# HOSIERY LENGTHS AND SIZES

(Fourth Edition)

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COMMERCIAL STANDARD CS46-49

[Supersedes CS46-40]

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Effective Date for New Production From June 22, 1949



A RECORDED VOLUNTARY STANDARD  
OF THE TRADE

UNITED STATES DEPARTMENT OF COMMERCE

CHARLES SAWYER, Secretary

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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.

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## COMMERCIAL STANDARD FOR HOSIERY LENGTHS AND SIZES

On October 29, 1931, a general conference of representative manufacturers, distributors, and buyers of hosiery adopted a recommended commercial standard for this commodity, which was subsequently accepted by the industry and promulgated as Commercial Standard CS46-33, Hosiery lengths. In 1936 the standard was revised to include a method of measuring size of foot, and it was reissued as CS46-36, Hosiery lengths and sizes. Another revision, approved for promulgation in 1940, added standard lengths of anklets.

On January 31, 1949, the standing committee recommended that the standard again be revised to include men's athletic and crew socks, and men's and boys' slack socks. Those concerned have since accepted and approved the revised standard as shown herein.

*Project Manager:* L. R. GILBERT, Commodity Standards Division, National Bureau of Standards.

*Technical Adviser:* W. D. APPEL, Organic and Fibrous Materials Division, National Bureau of Standards.

# COMMERCIAL STANDARD CS46-49

for

## HOSIERY LENGTHS AND SIZES

(FOURTH EDITION)

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### GENERAL

1. *Purpose.*—The purpose of this standard is to provide standard methods of measuring and standard measurements of hosiery for the guidance of producers, distributors, and users, in order to eliminate confusion resulting from a diversity of measurements and methods, and to provide a uniform basis for guaranteeing full-length and full-size hosiery.

2. *Application.*—The methods and measurements given herein are applicable to finished hosiery as delivered by the manufacturer.

3. *Method of measuring.*—The hosiery to be measured is laid out without tension on a smooth flat surface so that creases and wrinkles will not affect the measurements.

4. *Accuracy.*—Measurements are taken to the nearest one-eighth inch, unless otherwise specified.

### METHOD OF MEASURING AND STANDARD LENGTHS

#### LADIES' HOSIERY

5. *Method of measuring length.*—The selected method for measuring the length of ladies' hosiery is shown diagrammatically in figure 1. It is as follows: Lay the stocking on a flat surface without tension. For circular-knit hosiery, place a ruler so that it touches the lower end of the heel gore and the curve formed at the ankle. The length is the distance from the bottom of the heel *A* to the top of the stocking *B* as located by this line. For full-fashioned hosiery this line of length shall be determined by laying the ruler so that it touches the curve at the ankle and is parallel to the front line of the stocking.

6. *Lengths of full-fashioned and circular-knit (seamless) hosiery.*—The standard length of ladies' full-fashioned and circular-knit (seamless) hosiery is 30 inches in all sizes, and this length will be furnished when not otherwise specified. Other lengths are available as required. Tolerance for all lengths, plus or minus 1 inch.

7. *Lengths of ribbed cotton hosiery.*—The standard length of ladies' ribbed cotton hosiery is 28 inches in all sizes, and this length will be furnished when not otherwise specified. Other lengths are available as required. Tolerance for all lengths, plus or minus 1 inch.

8. *Nonstandard lengths.*—Ladies' hosiery in lengths other than standard carry a significant mark, generally on the container, to indicate the fact that they are either longer or shorter than standard.

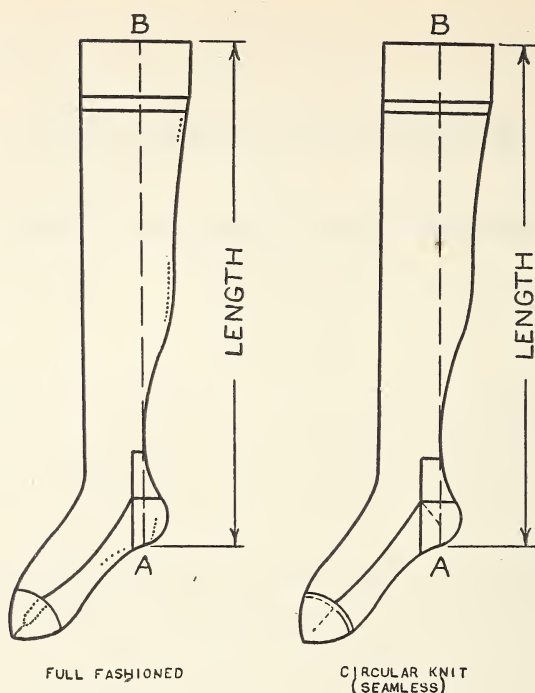


FIGURE 1. Ladies' hosiery.

## MEN'S, CHILDREN'S, AND INFANTS' HOSIERY

## 9. Method of measuring length of—

- (1) Men's hosiery.
- (2) Boys' hosiery.
- (3) Children's and misses' ribbed hosiery.
- (4) Children's  $\frac{3}{8}$  flat-knit hosiery.
- (5) Children's  $\frac{3}{8}$  hosiery.
- (6) Infants' ribbed hosiery.
- (7) Infants' and children's socks.

9a. Lay the stocking (or sock) on a flat surface without tension. For circular-knit hosiery, place a ruler so that it touches the lower end of the heel gore and is parallel to the ribs on the ribbed portion. If the stocking has been boarded properly, the ruler will be parallel to its front line. If this is not so, adjust the ruler so that it is parallel to the front line of the stocking. The length is the distance from the bottom of the heel *A* to the top of the stocking *B* as located by this line (fig. 2). The lengths of men's full-fashioned hosiery may be measured according to the method given in paragraph 5 for women's full-fashioned hosiery.

9b. The length of the cuff on the stocking, folded as for distribution, is determined by measuring the distance from the top to the bottom at the center in a line parallel with the front of the stocking.

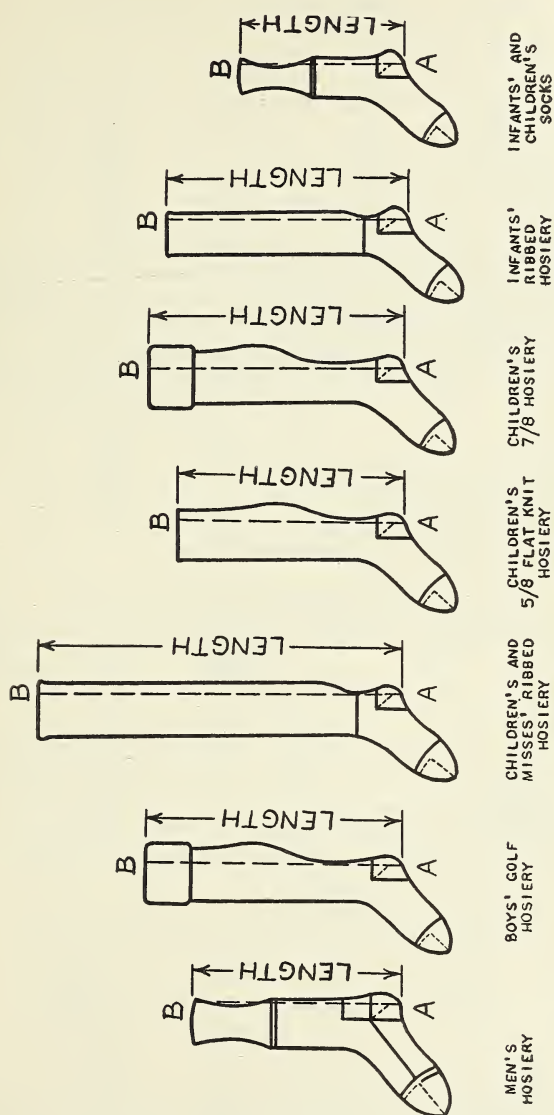


FIGURE 2. Men's and children's hosiery.



10. *Men's hosiery.*—Standard lengths of men's hosiery are shown in tables 1 to 4.

TABLE 1. *Standard lengths of men's half-hose*

Size	Standard length	Tolerance
	<i>Inches</i>	<i>Inch</i>
9.....	14	$\pm\frac{1}{2}$
9½.....	14	$\pm\frac{1}{2}$
10.....	14	$\pm\frac{1}{2}$
10½.....	14½	$\pm\frac{1}{2}$
11.....	14½	$\pm\frac{1}{2}$
11½.....	14½	$\pm\frac{1}{2}$
12.....	14½	$\pm\frac{1}{2}$
13.....	14½	$\pm\frac{1}{2}$

TABLE 2. *Standard lengths of men's athletic socks*

Size	Standard length	Tolerance
	<i>Inches</i>	<i>Inch</i>
9.....	8	$\pm\frac{1}{2}$
10.....	8	$\pm\frac{1}{2}$
11.....	8	$\pm\frac{1}{2}$
12.....	8	$\pm\frac{1}{2}$
13.....	8	$\pm\frac{1}{2}$

TABLE 3. *Standard lengths of men's crew socks*

Size	Standard length	Tolerance
	<i>Inches</i>	<i>Inch</i>
7-7½.....	8	$\pm\frac{1}{2}$
8-8½.....	8	$\pm\frac{1}{2}$
9-9½.....	8	$\pm\frac{1}{2}$
10-10½.....	10	$\pm\frac{1}{2}$
11-11½.....	10	$\pm\frac{1}{2}$
12-12½.....	10	$\pm\frac{1}{2}$
13.....	10	$\pm\frac{1}{2}$

TABLE 4. *Standard lengths of men's slack socks*

Size	Standard length	Tolerance
	<i>Inches</i>	<i>Inch</i>
9.....	9	$\pm\frac{1}{2}$
9½.....	9	$\pm\frac{1}{2}$
10.....	9	$\pm\frac{1}{2}$
10½.....	9½	$\pm\frac{1}{2}$
11.....	9½	$\pm\frac{1}{2}$
11½.....	9½	$\pm\frac{1}{2}$
12.....	9½	$\pm\frac{1}{2}$
12½.....	9½	$\pm\frac{1}{2}$
13.....	9½	$\pm\frac{1}{2}$

11. *Boys' slack socks.*—Standard lengths of boys' slack socks are shown in table 5.

TABLE 5. *Standard lengths of boys' slack socks*

Size	Standard length	Tolerance
	<i>Inches</i>	<i>Inch</i>
7.....	7½	±½
7½.....	7½	±½
8.....	7½	±½
8½.....	8½	±½
9.....	8½	±½
9½.....	8½	±½
10.....	8½	±½
10½.....	8½	±½

12. *Boys' golf hosiery*.—Lengths of boys' golf hosiery (table 6) relate to hosiery made of cotton, mercerized cotton, and all mixtures of the foregoing with wool in which the wool content does not exceed 50 percent by weight. They do not apply to boys' cut and sewed golf hosiery. The number of rib knitting-machine needles and the cylinder sizes specified in table 6 shall be used for the sizes and lengths of hosiery indicated.

TABLE 6. *Boys' golf hosiery—lengths, needles, and cylinder size*

Size	Number of needles	Size of cylinder (diameter)	Standard length	Tolerance
		<i>Inches</i>	<i>Inches</i>	<i>Inch</i>
7-7½.....	100-130	3	13½	±½
8-8½.....	120-140	3½	14½	±½
9-9½.....	130-150	3½	16	±½
10-10½.....	140-160	3¾	17	±½
11-11½.....	150-170	4	18	±½

12a. *Cuff lengths*.—Standard lengths of folded ribbed cuffs for boys' golf hosiery are shown in table 7.

TABLE 7. *Standard lengths of folded ribbed cuffs for boys' golf hosiery*

Size	Standard length	Tolerance
	<i>Inches</i>	<i>Inch</i>
7-7½.....	3	±¼
8-8½.....	3½	±¼
9-9½.....	3½	±¼
10-10½.....	3½	±¼
11-11½.....	3½	±¼

13. *Children's and misses' ribbed hosiery*.—Lengths of children's and misses' ribbed hosiery (table 8) relate to hosiery made of cotton, mercerized cotton, rayon, rayon plated, rayon and silk, and all mixtures of the foregoing with wool in which the wool content does not exceed 25 percent by weight. The number of rib knitting-machine needles and the cylinder size specified in table 8 shall be used for the sizes and lengths of hosiery indicated.

TABLE 8. *Children's and misses' ribbed hosiery—lengths, needles, and cylinder size*

Size	Number of needles	Size of cylinder (diameter)	Standard length	Tolerance
		<i>Inches</i>	<i>Inches</i>	<i>Inch</i>
5-5½	240-260	3½	15	±½
6-6½	260-280	3½	18	±½
7-7½	280-300	3¾	21	±½
8-8½	300-320	3¾	24	±½
9-9½	320-340	4	27	±½
10	340-360	4	28	±½

14. *Children's ⅝ hosiery, flat-knit.*—Lengths of children's ⅝ hosiery, flat-knit (table 9), relate to hosiery made of cotton, mercerized cotton, rayon, rayon plated, rayon and silk, and all mixtures of the foregoing with wool in which the wool content does not exceed 25 percent by weight. The number of machine needles and the cylinder size specified in table 9 shall be used for the sizes and lengths of hosiery indicated.

TABLE 9. *Children's ⅝ hosiery, flat-knit—lengths, needles, and cylinder size*

Size	Number of needles	Size of cylinder (diameter)	Standard length	Tolerance
		<i>Inches</i>	<i>Inches</i>	<i>Inch</i>
6-6½	140-160	2¾	10	±½
7-7½	150-170	2¾	11	±½
8-8½	160-180	3	12½	±½
9-9½	170-190	3¼	13½	±½
10	180-200	3¼	14½	±½

15. *Children's ⅞ hosiery.*—Lengths of children's ⅞ hosiery (table 10) relate to hosiery made of cotton, mercerized cotton, rayon, rayon plated, rayon and silk, and all mixtures of the foregoing with wool in which the wool content does not exceed 25 percent by weight. The number of machine needles and the cylinder size specified in table 10 shall be used for the sizes and lengths of hosiery indicated.

TABLE 10. *Children's ⅞ hosiery—lengths, needles, and cylinder size*

Size	Number of needles	Size of cylinder (diameter)	Standard length	Tolerance
		<i>Inches</i>	<i>Inches</i>	<i>Inch</i>
6-6½	170-190	2¾	11	±¾
7-7½	180-200	3	12	±¾
8-8½	190-210	3¼	13½	±¾
9-9½	200-220	3¼	14½	±¾
10-10½	210-230	3½	15½	±¾

15a. *Cuff lengths.*—Standard lengths of folded ribbed cuffs for children's ⅞ hosiery are shown in table 11.



TABLE 11. *Standard lengths of folded ribbed cuffs for children's  $\frac{1}{8}$  hosiery*

Size	Standard length	Tolerance
	<i>Inches</i>	<i>Inch</i>
6-6½	2½	±¼
7-7½	3	±¼
8-8½	3	±¼
9-9½	3½	±¼
10-10½	3½	±¼

16. *Infants' ribbed hosiery.*—Lengths of infants' ribbed hosiery (table 12) relate to hosiery made of cotton, mercerized cotton, rayon, rayon plated, rayon and silk, and all mixtures of the foregoing with wool in which the wool content does not exceed 25 percent by weight. The number of ribbed knitting-machine needles and the cylinder size specified in table 12 shall be used for the sizes and lengths of hosiery indicated.

TABLE 12. *Infants' ribbed hosiery—lengths, needles, and cylinder size*

Size	Number of needles	Size of cylinder (diameter)	Standard length	Tolerance
		<i>Inches</i>	<i>Inches</i>	<i>Inch</i>
3	180-200	2¾	7	±½
3½	180-200	2¾	8	±½
4	220-240	3	10	±½
4½	220-240	3	11	±½
5	240-260	3¼	12	±½
5½	240-260	3¼	13½	±½
6	260-280	3½	15	±½
6½	260-280	3½	16	±½

17. *Infants' and children's socks.*—Lengths of infants' and children's socks (table 13) relate to socks made of cotton, mercerized cotton, rayon, rayon plated, rayon and silk, and all mixtures of the foregoing with wool, in which the wool content does not exceed 50 percent by weight. The number of machine needles and the cylinder size specified in table 13 shall be used for the sizes and lengths of socks indicated.

TABLE 13. *Infants' and children's socks—lengths, needles, and cylinder size*

Size	Number of needles	Size of cylinder (diameter)	Standard length	Tolerance
		<i>Inches</i>	<i>Inches</i>	<i>Inch</i>
4-4½	120	2¼	5	±½
5-5½	140	2¼	6½	±½
6-6½	140	2¼	7½	±½
7-7½	156	2½	8½	±½
8-8½	156	2½	9½	±½
9-9½	172	2¾	10½	±½
10	200	3	11½	±½

## ANKLETS

## 18. Method of measuring length of—

- (1) Anklets.
- (2) Folded cuffs.

18a. *Anklets*.—Lay the anklet, with cuff folded, on a flat surface without tension. For *full-fashioned anklets*, place a ruler so that it touches the curve at the ankle and is parallel to the front line of the anklet. For *circular-knit anklets*, place a ruler so that it passes through the lower end of the heel gore and is parallel to the ribs of the ribbed portion of the cuff. The length is the distance from the bottom of the heel to the top of the folded cuff (A to B, fig. 3). These methods of measuring also apply to anklets finished in single-cuff style.

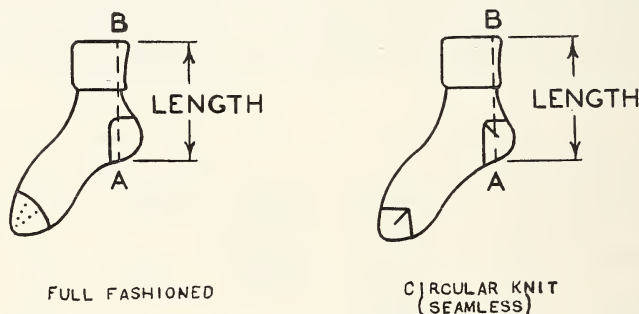


FIGURE 3. Anklets.

18b. *Folded cuffs*.—The length of the cuff on the anklet, folded as for distribution, is determined by measuring the distance from the top to the bottom of the cuff in a line parallel with the front of the anklet.

19. *Anklet lengths*.—Lengths of anklets (table 14) relate to anklets made of cotton, mercerized cotton, rayon, rayon plated, rayon and silk, and all mixtures of the foregoing with wool in which the wool content does not exceed 25 percent by weight. The number of machine needles and the cylinder size specified in table 14 shall be used for the sizes and lengths of anklets indicated.

TABLE 14. Anklets (folded and single cuffs)—lengths, needles, and cylinder size

Size	Number of needles	Size of cylinder (diameter)	Standard length	Tolerance
		<i>Inches</i>	<i>Inches</i>	<i>Inch</i>
5-5½	120-160	2¼-2½	4	±¼
6-6½	120-180	2¼-3	4½	±¼
7-7½	130-200	2½-3¼	5	±¼
8-8½	140-220	2½-3½	5½	±¼
9-9½	150-240	2¾-3½	6	±¼
10-10½	160-240	3-3½	6	±¼
11-11½	120-180	3¼-3¾	6	±¼

20. *Folded cuff lengths.*—Standard lengths of folded ribbed cuffs for anklets are shown in table 15.

TABLE 15. *Standard lengths of folded ribbed cuffs for anklets*

Size	Standard length	Tolerance
	<i>Inches</i>	<i>Inch</i>
4-4½	1¾	±¼
5-5½	1¾	±¼
6-6½	2	±¼
7-7½	2	±¼
8-8½	2¼	±¼
9-9½	2¼	±¼
10-10½	2½	±¼
11-11½	2½	±¼

#### METHOD OF MEASURING SIZE OF FOOT

21. *Size of full-fashioned hosiery.*—The size of foot of full-fashioned hosiery is determined by laying the stocking out flat and measuring the distance from the tip of the toe to the back of the heel along a straight line from the tip of the toe through the uppermost fashion mark in heel, which is approximately 1 inch above the bottom of the heel. Measurements are made to the nearest one-half inch. (See fig. 4.)

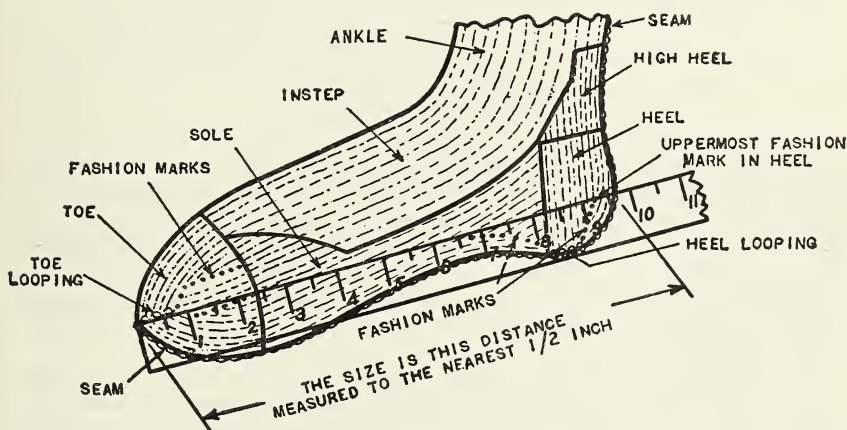


FIGURE 4. *Full-fashioned hosiery.*

22. *Size of circular-knit (seamless) hosiery.*—The size of foot of circular-knit (seamless) hosiery is determined by laying the stocking out flat and measuring the distance from the tip of the toe to the back of the heel along a straight line through the tip of the toe and the bottom of the heel gore. Measurements are made to the nearest one-half inch. (See fig. 5.)

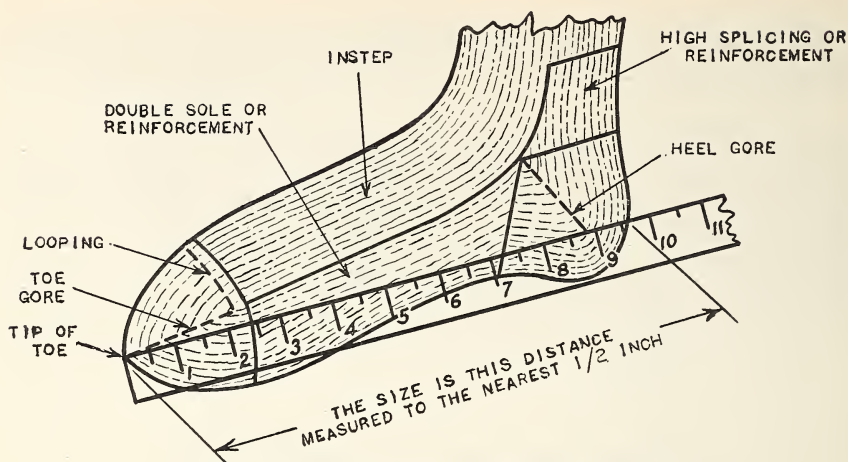


FIGURE 5. Circular-knit (seamless) hosiery.

### EFFECTIVE DATE

23. Having been passed through the regular procedure of the Commodity Standards Division, and approved by the acceptors herein-after listed, this commercial standard was issued by the United States Department of Commerce, effective from June 22, 1949.

Edwin W. Ely,

Chief, Commodity Standards Division.

### HISTORY OF PROJECT

On September 9, 1931, the National Association of Hosiery and Underwear Manufacturers (now the National Association of Hosiery Manufacturers) presented a specification for men's, women's, and children's hosiery lengths, and requested that it be considered by a general conference of manufacturers, distributors, and users of hosiery for adoption as a commercial standard. This specification was developed with the cooperation of the industry by E. M. Schenke, Director of Research, the National Association of Hosiery and Underwear Manufacturers.

A general conference was held in Philadelphia on October 29, 1931, at which time the tentative draft of the proposed commercial standard was revised, and adopted with the recommendation that it be circulated to manufacturers, distributors, and users for written acceptance. This conference appointed a standing committee to review periodically all comments and suggestions leading to revisions of the standard.

The recommended commercial standard was circulated for acceptance on December 5, 1931, and was endorsed by a large majority of those concerned. However, there later developed a need for standard measurements of children's hosiery, in consequence of which the standard was amended to include measurements for the different types and sizes.

With the approval of the standing committee, the amended standard was circulated on January 12, 1933, to all elements of the industry for



written acceptance, with the result that it was accepted and approved for promulgation as Commercial Standard CS46-33, Hosiery lengths. It became effective July 1, 1933.

#### FIRST REVISION

On February 21, 1936, the National Association of Hosiery Manufacturers requested the reaction of the standing committee to a recommendation that "Method of measuring size of foot" of full-fashioned and circular-knit (seamless) hosiery be added to the standard. The standing committee endorsed the proposal, recommending that the commercial standard be revised accordingly and that its title be changed to "Hosiery lengths and sizes."

A satisfactory majority of those directly concerned approved this recommendation as circulated for acceptance on May 1, 1936. The success of the revision was announced July 20, 1936, and Commercial Standard CS46-36 became effective on that date.

#### SECOND REVISION

On September 25, 1939, the National Association of Hosiery Manufacturers proposed that Commercial Standard CS46-36 be revised to include methods of measuring and standard lengths for anklets, and additional sizes and lengths of folded ribbed cuffs.

With the approval of the standing committee, the recommended revision was circulated for written acceptance on November 20, 1939, and was approved by a satisfactory majority of the trade. The success of the project was announced on July 17, 1940, and the revised standard, designated CS46-40, became effective from August 15, 1940.

#### THIRD REVISION

On October 18, 1948, the National Association of Hosiery Manufacturers requested that Commercial Standard CS46-40 be revised to include standard lengths of men's athletic socks, men's crew socks, and men's and boys' slack socks.

Upon approval by the standing committee, the recommended revision was circulated on February 17, 1949, to interested producers, distributors, testing laboratories, and users for written acceptance.

Having received acceptances in writing estimated to represent a satisfactory majority, an announcement was issued on April 22 that the fourth edition of the standard would become effective for new production from June 22, 1949.

#### STANDING COMMITTEE

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. Each organization nominated its own representative. 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.



## MANUFACTURERS

*Men's hosiery:*

- J. W. METTLER (chairman), Interwoven Stocking Co., New Brunswick, N. J.  
 P. W. ESHELMAN, Wilkes Hosiery Mills Co., North Wilkesboro, N. C.  
 FRAZIER D. MACIVER, Phoenix Hosiery Co., 320 East Buffalo Street, Milwaukee, Wis.  
 R. MAYNE BUNDY, Adams-Millis Corp., High Point, N. C.

*Women's hosiery:*

- R. E. TILLIS (chairman), Gotham Hosiery Co., Inc., 200 Madison Avenue, New York, N. Y.  
 HUGO HEMMERICH, Berkshire Knitting Mills, Reading, Pa.  
 F. ELWOOD STRUVE, Apex Hosiery Co., Fifth and Luzerne Streets, Philadelphia, Pa.  
 G. C. ABERLE, H. C. Aberle Co., Lippincott, Clearfield, and A Streets, Philadelphia, Pa.

*Children's hosiery:*

- J. LEE BAUSER (chairman), Infants' Socks, Inc., 210 Maple Street, Reading, Pa.  
 FRANKLIN LANDENBERGER, J. W. Landenberger & Co., Castor at Kensington Avenue, Philadelphia, Pa.  
 R. P. SHAPARD, Jr., Spalding Knitting Mills, Griffin, Ga.  
 DAN MAY, May Hosiery Mills, 436 Houston Street, Nashville, Tenn.

## DISTRIBUTORS AND USERS

*All types of hosiery:*

- T. L. BLANKE, Greeley Square Building, 100 West Thirty-first Street, New York, N. Y. (representing National Retail Dry Goods Association).  
 LOUIS ROTHSCHILD, Washington Loan & Trust Building, Washington, D. C. (representing National Association of Retail Clothiers & Furnishers).  
 JOSEPH P. BUBLA, 40 Worth Street, New York 13, N. Y. (representing Wholesale Dry Goods Institute).  
 HARRY C. MILLS, J. C. Penney Co., 330 West Thirty-fourth Street, New York, N. Y.  
 ARDENIA CHAPMAN, Drexel Institute, Thirty-second and Chestnut Streets, Philadelphia, Pa. (representing American Home Economics Association).  
 MRS. ERNEST H. DANIEL, Broad Branch and Grant Roads NW., Washington, D. C. (representing General Federation of Women's Clubs).

## 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 CS46-49 constitutes a useful standard of practice, and we individually plan to utilize it as far as practicable in the

production<sup>1</sup>                      distribution<sup>1</sup>                      purchase<sup>1</sup>                      testing<sup>1</sup>

of hosiery. 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\_\_\_\_\_

<sup>1</sup> 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.

## 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

The organizations and individuals listed below have individually accepted this standard for use as far as practicable in the production, distribution, purchase, or testing of hosiery. 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)

American Association of Textile Chemists and Colorists, Lowell, Mass.  
American Federation of Hosiery Workers, Philadelphia, Pa.  
American Home Economics Association, Washington, D. C.  
General Federation of Women's Clubs, Washington, D. C.  
National Association of Retail Clothiers & Furnishers, Washington, D. C.  
National Retail Dry Goods Association, New York, N. Y.  
Wholesale Dry Goods Institute, Inc., The, New York, N. Y.

## FIRMS AND OTHER INTERESTS

Aberle, Inc., Philadelphia, Pa.  
Acme Hosiery Mills, Inc., Asheboro, N. C.  
Adams-Millis Corp., High Point, N. C.  
Adler Co., The, Cincinnati, Ohio.  
Aero-Boeker Knitting Mills, Inc., New York, N. Y.  
Albemarle Mills Co., Albemarle, N. C.  
Alden Mills, The, New Orleans, La.  
Anthony, H. W. Co., Strausstown, Pa.  
Apex Hosiery Co., Philadelphia, Pa.  
Arbaugh, F. N., Co., The, Lansing, Mich.  
Arcadia Hosiery Co., Lansdale, Pa.  
Arkwright Merchandising Corp., New York, N. Y.  
Asheboro Hosiery Mills, Inc., Asheboro, N. C.  
Asheville Hosiery Co., West Asheville, N. C.  
Askin Brothers Co., Inc., Baltimore, Md.  
Associated Merchandising Corp., New York, N. Y.  
Athens Hosiery Mills, Inc., Athens, Tenn.  
Atwater Hosiery Mills, Inc., Yanceyville, N. C.  
Atwood, J. J., Co., Upland, Calif.  
B & B Stores, Inc., Logansport, Ind.  
B-K Hosiery Mill, Inc., Franklin, N. H.  
Bacon, Charles H. Co., Lenoir City, Tenn.  
Baker-Cammack Hosiery Mills, Inc., Burlington, N. C.  
Baker-Mebane Hosiery Mills, Inc., Mebane, N. C.  
Barber Hosiery Mills, Inc., Mount Airy, N. C.  
Barkley Old Reliable Hosiery Mills, Boynton Beach, Fla. (General support.)  
Barnett Hosiery Mill, Taylorsville, N. C.  
Belgamey Hosiery Mills, Hatboro, Pa.  
Belknap Mills Corp., Laconia, N. H.  
Belvedere Hosiery Co., Charlotte, N. C.  
Berkshire Knitting Mills, Reading, Pa.  
Best Made Silk Hosiery Co., Quakertown, Pa.  
Better Business Bureau of Metropolitan Oakland, Oakland, Calif. (General support.)  
Better Fabrics Testing Bureau, Inc., New York, N. Y.  
Bibb Manufacturing Co., Macon, Ga.  
Binghamton Knitting Co., Inc., Binghamton, N. Y.  
Bittner-Hunsicker & Co., Allentown, Pa.  
Black, Joseph, & Sons Co., Inc., York, Pa.  
Black Mountain Hosiery Mills, Inc., Black Mountain, N. C.  
Blackstone Hosiery Mills, Thomasville, N. C.  
Bland Hosiery Mills, Inc., Bland, Va.  
Botany Mills, Inc., Passaic, N. J.  
Bothwell Mills, Inc., Newton, N. C.  
Bram Hosiery Co., Milwaukee, Wis.  
Brownhill & Kramer, Inc., Philadelphia, Pa., and Coudersport, Pa.

Browning Mills, Inc., Bridgeport, Ala.  
Browns Hosiery Mills, Inc., Burlington, N. C.  
Bryson, A., Co., Ware, Mass.  
Burk & Co., Nashville, Tenn.  
Burkey Underwear Co., Inc., Hamburg, Pa.  
Cardinal Hosiery Co., Inc., New York, N. Y.  
Carter Hosiery Co., Newtown, Pa.  
Catawba Hosiery Mills, Inc., Catawba, N. C.  
Cedar Hosiery Co., Treviso, Pa.  
Chadbourne Hosiery Mills, Inc., Charlotte, N. C.  
Chance, R. L., Fort Payne, Ala.  
Chancellor Hosiery Mills, Inc., Reading, Pa.  
Charleston Hosiery Processing Co., Cleveland, Tenn.  
Cherokee Hosiery Co., Cleveland, Tenn.  
Chipman Knitting Mills, Easton, Pa.  
Chipman LaCrosse Hosiery Mills Co., East Flat Rock, N. C.  
Clausner Hosiery Co., Paducah, Ky.  
Clayton Hosiery Mills, Inc., Lowell, Mass.  
Clementon Hosiery Mill, Clementon, N. J.  
Cline, J. A., & Son, Inc., Hildebran, N. C.  
Clydebank Knitting Co., Inc., Fort Plain, N. Y.  
Concordia Silk Hosiery Co., Inc., Philadelphia, Pa.  
Conover Knitting Co., Conover, N. C.  
Contour Hosiery Mills, Rockford, Ill.  
Cooper, Wells & Co., St. Joseph, Mich.  
Crawford Hosiery Corp., Kernersville, N. C.  
Crescent Hosiery Mill, Niota, Tenn.  
Crest Hosiery Mill, Hamburg, Pa.  
Crewe Hosiery Co., Inc., Crewe, Va.  
Crown Hosiery Mills, Inc., High Point, N. C.  
Crystal Hosiery Mill, Inc., Denton, N. C.  
Cumberland Hosiery Mills, Nashville, Tenn.  
D & C Stores, Inc., Stockbridge, Mich.  
Danville Knitting Mills, Inc., Danville, Va.  
Davis Hosiery Mills, Cleveland, Tenn.  
Davis, W. B., Hosiery Mill, Inc., Fort Payne, Ala.  
Denton Hosiery Mills, Asheville, N. C.  
Dependable Hosiery Mills, Inc., Liberty, N. C.  
Dobson Hosiery Mills, Pulaski, Va.  
Doylestown Textile Mills, Doylestown, Pa.  
Drexel Knitting Mills Co., Drexel, N. C.  
Durham Hosiery Mills, Durham, N. C.  
Earle Hosiery Corp., Charlotte, N. C.  
Eastern Hosiery Co., Inc., Chicago, Ill.  
Eiland Knitting Co., Eiland, N. C.  
Elder Hosiery Mills, Burlington, N. C.  
Elliott Knitting Mills, Inc., Catawba, N. C., and Hickory, N. C.  
Elting Brothers, Inc., New York, N. Y.  
Ely & Walker Dry Goods Co., St. Louis, Mo.  
Excel Hosiery Mills, Union, S. C.  
Exeter Hosiery Mills, Inc., Long Island City, N. Y.  
Fawcett, J. B., & Co., Columbia, Tenn.  
Fay Hosiery Mills, Inc., Elyria, Ohio.  
Federal Knitting Co., Inc., Philadelphia, Pa.  
Federated Trading Corp., New York, N. Y.  
Fidelity Hosiery Mills, Inc., Shamokin, Pa.  
Field, Marshall, & Co., Inc., Fieldale, Va.  
Filer's, W., Sons Co., Boston, Mass.  
Fisher Hosiery Co., Inc., Reading, Pa.  
Fleetwood Hosiery Corp., Fleetwood, Pa.  
Foley's, Houston, Tex.  
Forest City Knitting Co., Rockford, Ill.  
Francis-Louise Full Fashion Mills, Inc., Valdese, N. C.  
Franklin Knitting Mills, New York, N. Y.  
Frazier Hosiery Mills, Asheville, N. C.  
Frederick & Nelson, Seattle, Wash.



Fries & Schuele Co., The, Cleveland, Ohio.  
 Full Knit Hosiery Mills, Inc., Burlington, N. C.  
 Gable, William F., Co., The, Altoona, Pa.  
 Galax Knitting Co., Inc., Galax, Va.  
 Gamble Desmond Co., New Haven, Conn.  
 Gann Hosiery Mills Co., Durham, N. C.  
 Garon's Knitting Mills, Duluth, Minn.  
 Garrout, Albert F., & Sons, Inc., Valdeese, N. C.  
 Gay-Tone Hosiery Mills, Malvern, Pa.  
 Gibsonville Hosiery Mills Co., Gibsonville, N. C.  
 Gilbert Knitting Co., Inc., Little Falls, N. Y.  
 Glenmoor Hosiery Mills, Reading, Pa.  
 Glenn Hosiery Co., High Point, N. C.  
 Glenover Hosiery Mill, Burlington, N. C.  
 Gold Seal Hosiery Co., Inc., New Orleans, La.  
 Gotham Hosiery Co., Inc., New York, N. Y.  
 Grace Hosiery Mills, Inc., Burlington, N. C.  
 Graham Hosiery Mills, Inc., Graham, N. C.  
 Granite Hosiery Mills, Inc., Souderton, Pa. (General support.)  
 Grantville Mills, Grantville, Ga.  
 Gray-Line Hosiery Co., Eddington, Pa.  
 Graysville Hosiery Mill, Inc., Dayton, Tenn.  
 Great American Knitting Mills, Inc., Bechtelsville, Pa.  
 Green Lane Hosiery Co., Inc., Green Lane, Pa.  
 Greenville Full Fashioned Hosiery Mill, Greenville, N. C.  
 Griffin Hosiery Mills, Griffin, Ga.  
 Guilford Hosiery Mills, Inc., High Point, N. C.  
 Hagerstown Hosiery Co., Inc., Hagerstown, Md.  
 Haight, A. S., & Co., Inc., New York, N. Y.  
 Hammoniton Hosiery Co., Hammoniton, N. J.  
 Hand Knit Hosiery Co., Sheboygan, Wis.  
 Hanes Hosiery Mills Co., Winston-Salem, N. C.  
 Harris-Marshall Hosiery Mills, Inc., Galax, Va.  
 Harrison Hosiery Mills, Inc., Brighton, Mass.  
 Harriss & Covington Hosiery Mills, Inc., High Point, N. C.  
 Haw Hosiery Mill, Haw River, N. C.  
 Hayward Hosiery Co., Ipswich, Mass.  
 Herbert Hosiery Co., Norristown, Pa.  
 Hewitt Hosiery Mills, Inc., Marion, N. C.  
 Hi-Grade Silk Hosiery Co., Inc., Willow Grove, Pa.  
 Hiwassee Hosiery Mills, Cleveland, Tenn.  
 Hodges Knitting Mills, Inc., Milledgeville, Ga.  
 Holeproof Hosiery Co., Marietta, Ga.  
 Holston Manufacturing Co., Knoxville, Tenn.  
 Hoover Hosiery Co., Concord, N. C.  
 Hope Hosiery Mills, Adamstown, Pa.  
 Hub Hosiery Mills, Lowell, Mass.  
 Hudson Hosiery Co., Charlotte, N. C.  
 Illinois Knitting Co., Mount Vernon, Ill.  
 Industrial Hosiery Mills, Inc., Mohnton, Pa.  
 Infants Socks, Inc., Fond du Lac, Wis.  
 International Hosiery Mills, Inc., Philadelphia, Pa.  
 Interstate Hosiery Mills, Inc., New York, N. Y.  
 Irving Knitting Mills, Lexington, N. C.  
 Irvington Textile Co., Irvington, N. J.  
 Jamison, James, Co., New York, N. Y.  
 Jarosz Hosiery Mill, Graham, N. C.  
 Jeanette Hosiery Mills, Inc., Elkins Park, Pa.  
 Johnson City Mills, Johnson City, Tenn.  
 Jordan Mills, Inc., Columbus, Ga.  
 Juvenile Hosiery Mills, Inc., Greensboro, N. C.  
 K. F. Hosiery Co., Inc., Ephrata, Pa.  
 K. W. Knitting Mills, Mohnton, Pa.  
 Kann, S., Sons Co., The, Washington, D. C.  
 Kayser, Julius, & Co., New York, N. Y.  
 Kearns, O. E., & Son, Inc., High Point, N. C.  
 Keller's Department Store, Liberty, N. Y.  
 Kenosha Full Fashioned Mills, Inc., Kenosha, Wis.  
 Kinley Hosiery Mills, Inc., York, Pa.  
 Kleer-View Hosiery, Inc., Carneys Point, N. J.  
 Knit Sox Knitting Mills, Inc., Hickory, N. C.  
 Knitter's, Inc., Valdeese, N. C.  
 Kommel, A., & Sons, New York, N. Y.  
 Kraemer Hosiery Co., Nazareth, Pa.  
 LaFemme Hosiery Co., Furlong, Pa.  
 Lamston, M. H., Inc., New York, N. Y.  
 Landenberger, J. W., & Co., Philadelphia, Pa.  
 Langer Hosiery Co., Berlin, N. J.  
 Lansburgh & Bro., Washington, D. C.  
 Larnman Gray Co., Philadelphia, Pa.  
 Lasley Hosiery Mills, Inc., Burlington, N. C.  
 Laughlin, F. F., Hosiery Mills, Inc., Randleman, N. C.  
 Lazarus, F. R., Co., Columbus, Ohio.

Leininger, Wm. G., Knitting Co., Mohnton, Pa.  
 Lexington Hosiery Co., Inc., Hatfield, Pa.  
 Little Hosiery Mills, Claremont, N. C.  
 Locke Hosiery Mills, The, Philadelphia, Pa.  
 Longview Hosiery Mill, Hickory, N. C.  
 Louden Dye Works, Inc., Philadelphia, Pa.  
 Lowell Textile Institute, Lowell, Mass. (General support.)  
 Lysterly Full Fashioned Mills, Inc., Hickory, N. C.  
 Lysterly Hosiery Mill, Chattanooga, Tenn.  
 Lynchburg Hosiery Mills, Inc., Lynchburg, Va.  
 MacGregor Goldsmith, Inc., Cincinnati, Ohio.  
 MacGregor Golf, Inc., Cincinnati, Ohio.  
 Magnolia Mills, Inc., Meridian, Miss.  
 Manard Hosiery Mill, Willow Grove, Pa.  
 Manikin Hosiery Co., Rockford, Ill.  
 Marionette Hosiery Mills, Inc., Philadelphia, Pa.  
 Martinat Hosiery Mills, Inc., Valdeese, N. C.  
 Marum Knitting Mills, Inc., Lawrence, Mass.  
 Mauney Hosiery Mills, Inc., Kings Mountain, N. C.  
 Maurice Mills Co., Thomasville, N. C.  
 May Hosiery Mills, Nashville, Tenn.  
 Maywood Hosiery Mills, Inc., Cordele, Ga.  
 McAllester Hosiery Mills, Chattanooga, Tenn.  
 McPar Hosiery Mills, Inc., Marion, N. C.  
 Melrose Hosiery Mills, Inc., High Point, N. C.  
 Merchantville Hosiery Mills, Inc., Merchantville, N. J.  
 Merrill Hosiery Co., Hornell, N. Y.  
 Michelman Mills, Inc., Lowell, Mass.  
 Miller-Smith Hosiery Mills, Chattanooga, Tenn.  
 Millheim Hosiery Mills, Inc., Millheim, Pa.  
 Minisac Mills, Inc., Philadelphia, Pa.  
 Moers Hosiery Mills, Inc., Watertown, Tenn.  
 Monrovia Hosiery Mills, Monrovia, Calif.  
 Montgomery Knitting Mill, Summerville, Ga.  
 Morris & Laroque, Winston-Salem, N. C.  
 Morristown Knitting Mills, Inc., Morristown, Tenn.  
 Moseley, Benjamin, Co., Inc., Needham, Mass.  
 Mountcastle Knitting Co., Lexington, N. C.  
 Murray Hosiery Mills Co., Murray, Ky.  
 Nebel Knitting Co., Charlotte, N. C.  
 Neisner Brothers, Inc., Rochester, N. Y.  
 Nelson Knitting Co., Rockford, Ill.  
 New Way Hosiery Co., Philadelphia, Pa.  
 Newfield Textile Mill, Newfield, N. J.  
 Newnan Hosiery Mills, Inc., Newnan, Ga.  
 Nickels & Nickels, Inc., Philadelphia, Pa.  
 Nolde & Horst Co., The, Reading, Pa.  
 North Carolina State College, School of Textiles, Raleigh, N. C.  
 Nuweave Hosiery Co., Pottstown, Pa.  
 Oakcrest Hosiery Mill, Pitman, N. J.  
 Old Reliable Hosiery Mill, Boynton Beach, Fla. (General support.)  
 Orange Knitting Mills, Inc., Orange, Va.  
 Overlook Knitting Mill, Inc., Marion, N. C.  
 Owen Osborne Hosiery Mills, Inc., Gainesville, Ga.  
 Park Hosiery Mills, Inc., Knoxville, Tenn.  
 Park Knitting Co., Little Chute, Wis.  
 Parker Hosiery Mills, Old Port, N. C.  
 Parkside Silk Hosiery Co., Inc., Clementon, N. J.  
 Pasquotank Hosiery Co., Inc., Elizabeth City, N. C.  
 Patrick Hosiery Mills, Meridian, Miss.  
 Paul Knitting Mills, Inc., Pulaski, Va.  
 Peacock Hosiery Mill Co., Jenkintown, Pa.  
 Peck & Peck, New York, N. Y.  
 Pen-Harris Co., The, Ephrata, Pa.  
 Penn Hosiery Mills, Inc., Reading, Pa.  
 Pennsylvania, Commonwealth of, Department Welfare, Prison Industries, Graterford, Pa.  
 Pennsylvania Knitting Mills Co., Spring Grove, Pa.  
 Pennsylvania State College, The, State College, Pa. (General support.)  
 Pentagon Hosiery Co., Inc., Reading, Pa.  
 Phoenix Hosiery Co., Milwaukee, Wis.  
 Piedmont Knitting Co., Inc., New York, N. Y.  
 Pilot Full Fashion Mills, Inc., Valdeese, N. C.  
 Pitman Hosiery Mills, Inc., Laconia, N. H.  
 Pohatcong Hosiery Mills, Inc., Washington, N. J.  
 Powell Knitting Co., Philadelphia, Pa.  
 Prim Hosiery, Inc., Chester, Ill.  
 Princeton Hosiery Mills, Inc., Princeton, Ky.  
 Pruitt, D. R., Stores, Upper Darby, Pa.  
 Puget Sound Merchandise Co., Seattle, Wash.  
 Purselle Shop, Reading, Pa.  
 Rambo & Regar, Inc., Norristown, Pa. (General support.)



- Ra-Turn Hosiery Mills, Inc., Phoenixville, Pa.  
 Real Silk Hosiery Mills, Inc., Indianapolis, Ind.  
 Reed's, Jacob, Sons, Philadelphia, Pa.  
 Regal Hosiery Co., Reading, Pa.  
 Regenstien, J., Co., Atlanta, Ga.  
 Resolute Knitting Mills, Philadelphia, Pa.  
 Richmond Hosiery Mills, Rossview, Ga.  
 Rike-Kumler Co., The, Dayton, Ohio.  
 Riverside Hosiery Mills, Inc., Riverside, N. J.  
 Robinson, Lee I., Hosiery Mills, Inc., Philadelphia, Pa.  
 Roche Corp., The, Denver, Colo.  
 Rockford Textile Mills, Inc., Rockford, Ill.  
 Rockwood Mills, Rockwood, Tenn.  
 Rome Hosiery Mills, Rome, Ga.  
 Rosedale Knitting Co., Reading, Pa.  
 Roth, Chester H., Co., Inc., New York, N. Y.  
 Royal Fashions, Inc., Woonsocket, R. I.  
 Runnymede Mills, Inc., Tarboro, N. C.  
 Russell Hosiery Mills, Inc., Star, N. C.  
 S & F Hosiery Mills, Inc., Dayton, Tenn.  
 S. M. Hosiery Co., New York, N. Y.  
 Salmon Hosiery Finishing Works, Philadelphia, Pa.  
 Sanders Hosiery Mills, Inc., Burlington, N. C.  
 Sanderson Hosiery Mills of California, Los Angeles, Calif.  
 Sarfert Hosiery Mills, Inc., Philadelphia, Pa.  
 Saybrook Hosiery Co., Williamstown, N. J.  
 Schultz Bros. Co., Chicago, Ill.  
 Scott Brothers Hosiery Mills, Inc., Philadelphia, Pa.  
 Scruggs-Vandervoort-Barney, Inc., St. Louis, Mo.  
 Seaver Bros., Brooklyn, N. Y.  
 Seemuller Brothers Co., Palmyra, N. J.  
 Select Hosiery Mills, Inc., Hatfield, Pa.  
 Seneca Hosiery Mills, Inc., Burlington, N. C.  
 Seneca Knitting Mills Co., Seneca Falls, N. Y.  
 Setz-Right Hosiery Mills, Inc., Hickory, N. C.  
 Shannon Hosiery Mills, Inc., Columbus, Ga.  
 Sheertex Hosiery Inc., New York, N. Y., and Woodbury, N. J.  
 Shelton Hosiery Mills, Inc., Shelton, Conn.  
 Shugart, W. Y., & Sons, Inc., Fort Payne, Ala.  
 Silver Knit Hosiery Mills, Inc., High Point, N. C.  
 Sklenstein's, New Orleans, La.  
 Sklenka, Fred J., New York, N. Y.  
 Slane Hosiery Mills, Inc., High Point, N. C.  
 Smart-Sox, Inc., High Point, N. C.  
 Snell, Foster D., Inc., New York, N. Y.  
 Snugfit Hosiery Co., New York, N. Y.  
 Southern Hosiery Mills, Inc., Cleveland, Tenn.  
 Spalding Knitting Mills, Griffin, Ga.  
 Spiegel, Inc., Chicago, Ill.  
 Sport Wear Hosiery Mills, Inc., Etowah, Tenn.  
 Spruce Pine Hosiery Mill, Inc., Spruce Pine, N. C.  
 Surgeon Hosiery Corp., Philadelphia, Pa.  
 Staley Hosiery Mill Co., Staley, N. C.  
 Standard Hosiery Mills, Inc., Burlington, N. C.  
 State Hosiery Mills, Inc., High Point, N. C.  
 Sterling Hosiery Mills, Inc., Spindale, N. C.  
 Stortz, A. J., Hosiery Mill, Inc., Fort Atkinson, Wis.  
 Stylewear, Inc., Minneapolis, Minn.  
 Style-Rite Hosiery Co., Inc., New York, N. Y.  
 Sulloway Hosiery Mills, Inc., Franklin, N. H.  
 Sumter Hosiery Mills, Inc., Sumter, S. C.  
 Surratt Hosiery Mill, Newsom, N. C.  
 Sweetwater Hosiery Mills, Sweetwater, Tenn.  
 Tat Hosiery Mills, Bridgeport, Ala.  
 Terry Hosiery Mills, Inc., High Point, N. C.  
 Thomas Mills, Inc., High Point, N. C.  
 Thomasville Hosiery Mills, Thomasville, N. C.  
 Tip-Top Hosiery Mills, Inc., Asheboro, N. C.  
 Toewear Hosiery, Lansdale, Pa.  
 Tower Hosiery Mills, Inc., Burlington, N. C.  
 Triangle Hosiery Co., Inc., High Point, N. C.  
 Trienit Hosiery Mill, New Ipswich, N. H.  
 Triumph Hosiery Mills, Inc., York, Pa.  
 Turbo Hosiery Mill, Turbotville, Pa.  
 Twintex Hosiery Mills, Inc., East Greenville, Pa.  
 Union Manufacturing Co., Union Point, Ga.  
 Union Manufacturing Co., Frederick, Md.  
 Unique Knitting Co., Acworth, Ga.  
 Unit Hosiery Co., Inc., Cleveland, Ohio.  
 United Knitting Machine Co., Philadelphia, Pa., and Telford, Pa.  
 United States Testing Co., Inc., Hoboken, N. J.  
 Van Anda Hosiery Mills, Inc., Paterson, N. J.  
 Van Sant Hosiery Co., Langhorne, Pa.  
 Vanette Hosiery Mills, Dallas, Tex.  
 Vanta Co., Inc., The, Newton, Mass.  
 Varina Knitting Co., Varina, N. C.  
 Vaughan Knitting Co., Inc., The, Pottstown, Pa.  
 Vermont Hosiery & Machinery Co., Northfield, Vt.  
 Vestal Mills, Inc., Athens, Tenn.  
 Victor Hosiery Corp., Hagerstown, Md., and Greencastle, Pa.  
 Victor Silk Hosiery Co., Inc., New Britain, Pa.  
 Viewmont Hosiery Mills, Hickory, N. C.  
 Villa Rica Hosiery Mills, Villa Rica, Ga.  
 Virginia Maid Hosiery Mills, Inc., Pulaski, Va.  
 Virginia Penitentiary, Industrial Department, Richmond, Va.  
 Vogt Knitting Mills, Inc., McMinnville, Tenn.  
 (General support.)  
 Waldensian Hosiery Mills, Inc., Valdese, N. C.  
 Walker County Hosiery Mills, Lafayette, Ga.  
 Wallner Silk Hosiery Mills, Inc., Pulaski, Va.  
 Walridge Knitting Mills, Inc., Marvell, Ark.  
 Walton Hosiery Mills, Inc., Statesville, N. C.  
 Wanner, C. A., Inc., Fleetwood, Pa.  
 Wertheimer, L., Inc., New York, N. Y.  
 West Creek Hosiery Co., West Creek, N. J.  
 Westminster, Ltd., New York, N. Y.  
 Wheeler, A. W., & Son, Inc., Brevard, N. C.  
 Whisnant Hosiery Mills, Inc., Hickory, N. C.  
 Wildman & Swartz, Norristown, Pa.  
 Wilkes Hosiery Mills Co., North Wilkesboro, N. C.  
 Wilknit Hosiery Co., Greenfield, Ohio.  
 Willcraft Hosiery Mills, Inc., Williamsport, Md.  
 Williamson Hosiery Mills, Inc., Athens, Tenn.  
 Willstrut Hosiery Mill, San Leandro, Calif.  
 Willwear Hosiery Mill, Chattanooga, Tenn.  
 Winsted Hosiery Co., The, Winsted, Conn.  
 Wiscasset Mills Co., Albemarle, N. C.  
 Wolf & Dessau Co., Fort Wayne, Ind.  
 Woosley Knitting Mills, Shelbyville, Tenn.  
 World's Star-Mallach, Inc., Grand Rapids, Mich.  
 Wovenright, Inc., Cleveland, Ohio.  
 Wurzburg of Grand Rapids, Grand Rapids, Mich.  
 (General support.)  
 Wyomissing Hosiery Mills, Mohnton, Pa.  
 Yorkshire Hosiery Co., Reading, Pa.  
 Ziesel Brothers Co., Elkhart, Ind.

## U. S. GOVERNMENT

Interior, Department of the, Bureau of Indian Affairs, Chicago, Ill.

## COMMERCIAL STANDARDS

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

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.
117-49.	Mineral wool insulation for heated industrial equipment (second edition).	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. <sup>1</sup>	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.
123-49.	Grading of diamond powder (second edition).	150-48.	Hot-rolled rail steel bars (produced from tee-section rails).
(E)124-45. <sup>1</sup>	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.

<sup>1</sup> 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.







