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DONALD R. MACKAY

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Commercial Standard **CS 198-55**

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**Infants', Children's, Girls', and Boys' Knit Underwear
(Exclusive of Rayon, Acetate, and Nylon)**

A RECORDED VOLUNTARY STANDARD OF THE TRADE

WITHDRAWN
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UNITED STATES DEPARTMENT OF COMMERCE

Sinclair Weeks, Secretary

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U. S. DEPARTMENT OF COMMERCE
SINCLAIR WEEKS, Secretary

Prepared by
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Commodity Standards Division

In cooperation with
NATIONAL BUREAU OF STANDARDS

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Infants', Children's, Girls', and Boys' Knit Underwear (Exclusive of Rayon, Acetate, and Nylon)

[Effective March 1, 1955]

PURPOSE

1. The primary purpose of this standard is to provide standard classifications, size designations, methods of measuring, and size measurements for infants', children's, girls', and boys' knit underwear (exclusive of rayon), for the guidance of producers, distributors, and users.

2. Another purpose is to base the garment measurements for size on a system of standard body measurements that can be presented to the consumer as a guide in determining apparel size and which will be uniform for all types of garments worn by the same person.

SCOPE

3. This standard is divided into three parts:

Classification and garment	Type of knit	Table	Page
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Polo.....	Ribbed.....	25	21
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Boys' Union Suits.....	Ribbed.....	31	26

APPLICATION

4. The methods of measuring and the size measurements are applicable to finished garments as delivered by the manufacturer.

GENERAL REQUIREMENTS

5. *Methods of measuring.* The garments to be measured shall be laid out without tension on a smooth flat surface so that creases and wrinkles will not affect the measurements.

6. *Precision.* Measurements shall be taken to the nearest 1/8 inch.

INTRODUCTION

Note: All tables (except the one for abdominal bands) give key body measurements for each size and the Commercial Standard number from which the body measurements are taken.

(a) All the garment specifications in this standard are based on the new "height-weight"

system of body measurement sizing, as incorporated in the following Commercial Standards:

- CSI51-48 Body Measurements for the Sizing of Apparel for Infants, Babies, Toddlers, and Children.
- CSI53-48 Body Measurements for the Sizing of Apparel for Girls.
- CSI55-50 Body Measurements for the Sizing of Boys' Apparel.

(b) Each of these standards was endorsed by manufacturers representing a majority of production of the knit underwear industry.

(c) The specifications represent the work of a research associate of the Underwear Institute who worked under the guidance of that Association's Standardization Committee. Try-ons were made of all garments on children whose body measurements conformed to those in the above listed Commercial Standards. The specifications have been reviewed by all elements of the underwear industry, and have been thoroughly tested and approved.

Part 1. Infants' and Children's Garments

1. BANDS, ABDOMINAL, INFANTS'—RIBBED (1 x 1) AND FLAT KNIT (Single or Double Thickness)

Method of Measuring

1.1. *Width of band.* Measured across band at right angles to total length. (C to D, fig. 1.)

1.2. *Total length.* Measured lengthwise between extreme ends of band. (A to B, fig. 1.)

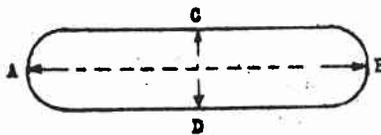


Figure 1. Infants' abdominal band.

Table 1.—Bands, abdominal, infants'—ribbed (1 x 1) and flat knit—standard measurements

Location	Single thickness	Double thickness	Tolerances (plus or minus)
Width of band.....in...	5	5	1/2
Total length.....in...	22	22	1

2. GOWNS, INFANTS'—FLAT-KNIT COTTON

Method of Measuring

2.1. *Width of garment.* Measured across garment 1 inch below bottom of armholes. (C to D, fig. 2.)

2.2. *Total length.* Measured from point where shoulder joins neck opening to bottom edge of garment. (A to B, fig. 2.)

2.3. *End of sleeve to end of sleeve across garment.* With neck fastening closed and each sleeve fully extended as garment lies flat, the measurement is taken from outer end of one sleeve across body of garment to outer end of other sleeve. (G to H, fig. 2.)

2.4. *Width at bottom.* Measured between outside edges of extreme bottom of garment. (K to L, fig. 2.)

2.5. *Neck opening (circumference).* With neck fastening closed (if fastening is used) measure circumference of the neck at top edge, with fabric relaxed and smooth.

2.6. *Armhole length.* Measured from point where sleeve is attached to shoulder to lowest point under arm. (F to N, fig. 2.)

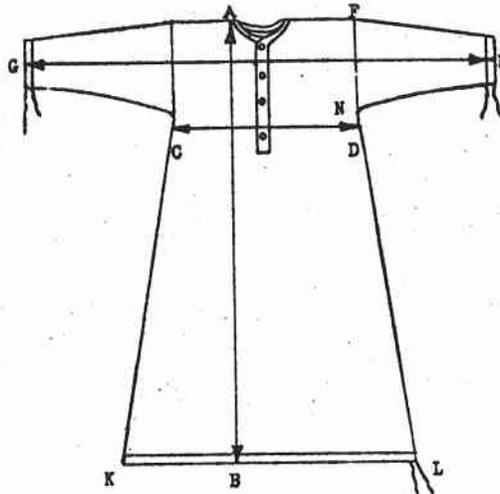


Figure 2. Infants' gown.

Table 2.—Gowns, infants'—flat-knit cotton—standard measurements

Size (number).....	6 mo.	12 mo.	
	CSI51-48 body measurements		
Stature—Inches.....	26 1/2	29	
Weight—lbs. (approx.).....	18	22	
Chest girth—Inches.....	18	19	
Measurement	Garment measurements (Inches)		Tolerances (plus or minus)
Width of garment.....	12	12 1/2	6 percent
Total length.....	28	30	1 inch
End of sleeve to end of sleeve across garment:			
Open sleeve.....	26	28	1 1/2 inch
Closed sleeve.....	30	32	1 1/2 inch
Width at bottom.....	19	20	1 inch
Neck opening.....	10	10 1/2	1 inch
Opened up ¹	18	19	Minimum
Armhole length.....	5 1/2	5 1/2	1/2 inch

¹ If garment does not have snap or button fastening at neck opening it must readily open up to the indicated minimums.

3. WRAPPERS, INFANTS'—FLAT-KNIT COTTON

Method of Measuring

3.1. *Width of garment.* Measured across garment 1 inch below bottom of armholes. (C to D, fig. 3.)

3.2. *Total length.* Measured from point where shoulder joins neck opening to bottom edge of garment. (A to B, fig. 3.)

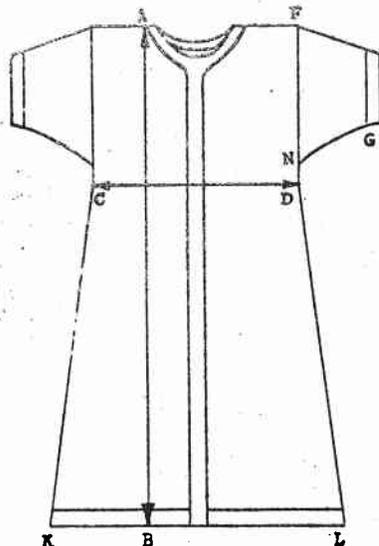


Figure 3. Infants' wrapper.

Table 3.—Wrappers, infants'—flat-knit cotton—standard measurements

Size (number).....	6 mo.	12 mo.	
	CS151-48 body measurements		
Stature—inches.....	26 1/2	29	
Weight—lbs. (approx.).....	18	22	
Chest girth—inches.....	18	19	
Measurement	Garment measurements (inches)		Tolerances (plus or minus)
Width of garment.....	12	12 1/2	6 percent
Total length.....	21	23	1 inch
Sleeve length:			
Under arm.....	3 1/2	4	1/2 inch
Width at bottom.....	16	17	1 inch
Neck opening.....	10	10 1/2	1 inch
Opened up ¹	18	19	Minimum
Armhole length.....	5 1/2	5 1/2	1/2 inch

¹ If garment does not have snap or button fastening at neck opening, it must readily open up to the indicated minimums.

3.3. *Sleeve length.* Measured in a straight line from point under arm where sleeve is seamed to garment to lower outer edge of sleeve. (N to G, fig. 3.)

3.4. *Width at bottom.* Measured between outside edges at extreme bottom of garment, fastenings closed. (K to L, fig. 3.)

3.5. *Neck opening.* With neck fastening closed, circumference of the neck is measured at the top edge, with the fabric relaxed and smooth.

3.6. *Armhole length.* Measured from point where sleeve is attached to shoulder to lowest point under arm. (F to N, fig. 3.)

4. PANTS, TRAINING, INFANTS' AND CHILDREN'S—RIBBED (1x1), SWISS RIBBED, AND FLAT-KNIT COTTON

Method of Measuring

4.1. *Waist (circumference).* Measured as twice the distance between the outside edges of waistband, elastic relaxed and smooth. (Twice A to C, fig. 4.)

4.2. *Side length.* Measured from top outside edge of waistband to bottom edge of leg opening at the side. (A to B, fig. 4.)

4.3. *Width across seat.* Measured across back of garment at widest part. (K to L, fig. 4.)

4.4. *Front rise.* Measured from bottom of crotch to top edge of waistband at center front. (D to G, fig. 4.)

4.5. *Back rise.* Measured from bottom of crotch to top edge of waistband at center back. (D to H, fig. 4.)

4.6. *Width across crotch.* Measured between outside edges at bottom of crotch. (F to J, fig. 4.)

4.7. *Leg opening (circumference).* Measured at bottom edge.

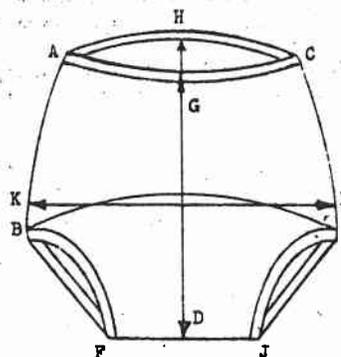


Figure 4. Infants' and children's training pants.

Table 4.—Pants, training, infants' and children's—ribbed (1 x 1), swiss ribbed, and flat-knit cotton—standard measurements

Size (number).....	12 mo.	18 mo.	24 mo.	36 mo.	
CS151-48 body measurements					
Stature—Inches.....	29	31 1/2	34	36 1/2	
Weight—lbs. (approx.).....	22	26	29	32	
Measurement	Garment measurements (inches)				Tolerances (plus or minus)
Waist (circumference):					
Yoke front, elastic back.....	15	15 1/2	16	16 1/2	3/4 inch
Elastic, around.....	14 1/2	15	15 1/2	16	3/4 inch
Side length.....	6 1/2	7	7 1/2	8	3/4 inch
Width across seat:					
Ribbed (1 x 1).....	9 1/2	10	10 1/2	11	3/4 inch
Swiss ribbed.....	9	9 1/2	10	10 1/2	3/4 inch
Flat knit.....	10 1/2	11	11 1/2	12	3/4 inch
Front rise.....	8 1/2	9	9 1/2	10	3/4 inch
Back rise.....	9 1/2	10	10 1/2	11	3/4 inch
Width across crotch.....	4 1/2	5	5	5 1/2	3/4 inch
Leg opening, circumference.....	9	9	10	10	1/2 inch

5. SHIRTS, INFANTS' AND CHILDREN'S—RIBBED (1 x 1) COTTON

Method of Measuring

5.1. *Width of garment.* Measured across garment 1 inch below bottom of armholes. (C to D, fig. 5.)

5.2. *Total length.* Measured from point where shoulder joins collarette or neck opening to bottom edge of shirt. (A to B, fig. 5.)

5.3. *Sleeve length.* Measured in a straight line from point under arm where sleeve is seamed to garment to lower outer edge of sleeve, or of sleeve cuff, if cuff is used. (N to G, fig. 5.)

5.4. *Armhole length.* Measured from point where sleeve is attached to shoulder to lowest point under arm. (F to N, fig. 5.)

5.5. *Neck opening, pullover styles.*

5.5.1. *Flat.* Measured by taking circumference of the neck at the top edge, with the fabric relaxed and smooth.

5.5.2. *Stretched.* Measured by taking circumference of the neck at the seam, with the fabric stretched.

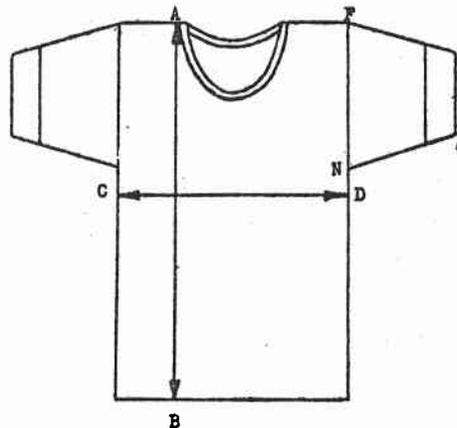


Figure 5. Infants' and children's shirt.

5.6. *Neck opening, button-neck styles.* Measured by taking circumference of the neck at the seam, from center of collarette button to outside end of buttonhole.

Table 5.—Shirts, infants' and children's—ribbed (1 x 1) cotton—standard measurements

Size (number).....	3 mo.	6 mo.	12 mo.	18 mo.	24 mo.	36 mo.	
CS151-48 body measurements							
Stature—Inches.....	24	26 1/2	29	31 1/2	34	36 1/2	
Weight—lbs. (approx.).....	13	18	22	26	29	32	
Chest girth—Inches.....	17	18	19	20	21	22	
Measurement	Garment measurements (inches)						Tolerances (plus or minus)
Width of garment (all cuts)....	7	7 1/2	7 1/2	8	8 1/2	9	6 percent
Total length.....	10	11	12	14	16	17	1/2 inch
Sleeve length:							
Long.....	7	7 1/2	8	9	10	11	1/2 inch
Short.....	2 3/4	3	3 1/2	3 3/4	3 3/4	4	1/4 inch
Armhole length.....	4	4 1/4	4 1/2	4 3/4	5	5 1/4	1/2 inch
Neck opening:							
Flat.....	9 1/2	10	10 1/2	11	11 1/2	12	1/2 inch
Stretched ¹	17 1/2	18	19	19 1/2	20	20 1/2	Minimum

¹ If a button-neck garment, neck opening should be the same as neck opening, flat.

6. SLEEPING GARMENTS, ONE-PIECE, INFANTS' AND CHILDREN'S—RIBBED (1 x 1) AND FLAT-KNIT COTTON

Method of Measuring

6.1. *Width of garment.* Measured across garment 1 inch below bottom of armholes. (H to J, fig. 6.)

6.2. *Trunk.* Measured as twice the distance from point where shoulder joins collarette to bottom of crotch. Spread legs in measuring only sufficiently to adjust crotch. (Twice C to D, fig. 6.)

6.3. *Total length.* Measured from point where shoulder joins collarette to heel of garment with heel extended as foot is folded back over ankle of garment. (C to B, fig. 6.)

6.4. *Width of ankle.* Measured across leg where foot is joined to leg. (L to R, fig. 6.)

6.5. *Width of leg.* Measured across leg at bottom of crotch. (D to P, fig. 6.)

6.6. *Length of foot.* Measured from toe to heel of bottom of foot, with foot laid out flat. (A to B, fig. 6.)

6.7. *Sleeve length.* Measured in a straight line from point under arm where sleeve is seamed to garment to lower outside edge of sleeve. If turnback cuff is used, measurement is taken to center of cuff. (N to G, fig. 6.)

6.8. *Armhole length.* Measured from point where sleeve is attached to shoulder to lowest point under arm. (F to N, fig. 6.)

6.9. *Neck opening.* Measured by taking circumference of the neck at the seam, from center of collarette button to outside end of buttonhole.

6.10. *Location of drop seat.* Measured from neck seam at shoulder to top edge of drop seat. (E to K, fig. 6.)

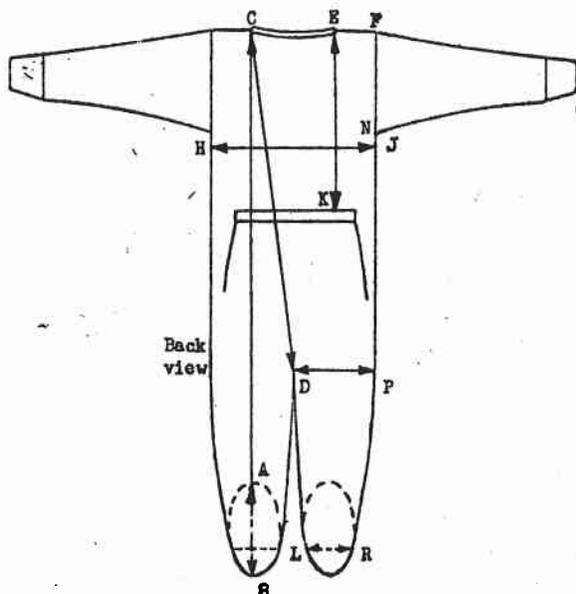


Figure 6. Infants' and children's one-piece sleeping garment.

Table 6.—Sleeping garments, one-piece, infants' and children's—ribbed (1 x 1) and flat-knit cotton—standard measurements

Size (number).....	12 mo.	18 mo.	2	3	4	5	6	7	8	
CS151-48 body measurements										
Stature—_inches.....	29	31 1/2	34	37	40	43	46	50	52	
Weight—lbs. (approx.).....	22	26	29	34	38	44	49	60	67	
Vertical trunk—_inches.....	31	32 1/2	34 1/2	36 1/2	39	41	43	45 1/2	47	
Measurement	Garment measurements (inches)									Tolerances (plus or minus)
Width of garment:										
Ribbed (1 x 1).....	9	9 3/4	9 3/4	10 1/2	10 1/2	11 1/4	11 1/4	12	12 3/4	6 percent
Flat knit.....	10	11	11	12	12	13	13	14	14	6 percent
Trunk.....	36 1/2	38	39 1/2	41	42 1/2	44 1/2	46 1/2	48 1/2	50	2 inches
Total length to heel.....	26	28	30	32 1/2	35	37 1/2	40	43 1/2	45	2 inches
Width of ankle:										
Ribbed (1 x 1).....	3 1/4	3 1/2	3 1/2	4	4	4 1/4	4 1/4	4 1/2	4 1/2	1/2 inch
Flat knit.....	3 3/4	4	4	4 1/2	4 1/2	4 3/4	4 3/4	5	5	1/2 inch
Width of leg:										
Ribbed (1 x 1).....	4 1/2	5	5	5 1/2	5 1/2	6	6	6 1/2	7	1/2 inch
Flat knit.....	5	5 1/2	5 1/2	6	6	6 1/2	6 1/2	7	7 1/2	1/2 inch
Length of foot.....	6	6	6 1/2	7	7 1/2	7 1/2	8	8	8 1/2	1/2 inch
Sleeve length: ¹										
Under arm.....	9	10	11	12	13	14	15	16 1/2	17 1/2	1 inch
Armhole length.....	5 1/2	5 1/2	6	6	6 1/2	7	7	7 1/2	7 1/2	1/2 inch.
Neck opening.....	11	11	12	13	13	14	14	15	15	1 inch
Drop seat, location.....	8 1/4	8 3/4	9 1/4	9 3/4	10 1/4	10 3/4	11 1/4	11 3/4	12 1/2	1/2 inch

¹ If turnback cuff is used, measurement is taken to center of cuff.

7. SLEEPING GARMENTS, TWO-PIECE, INFANTS' AND CHILDREN'S—RIBBED (1 x 1) AND FLAT-KNIT COTTON

Method of Measuring

TOP (OR SHIRT)

7.1. *Width of garment.* Measured across garment 1 inch below bottom of armholes. (H to J, fig. 7.)

7.2. *Length.* Measured from point where shoulder joins collar or neck opening to bottom edge of top (or shirt). (A to B, fig. 7.)

7.3. *Sleeve length.* Measured in a straight line from point under arm where sleeve is seamed to garment to lower outside edge of sleeve, or of sleeve cuff, if cuff is used. (N to G, fig. 7.)

7.4. *Armhole length.* Measured from point where sleeve is attached to shoulder to lowest point under arm. (F to N, fig. 7.)

7.5. *Neck opening, button-neck style.* Measured by taking circumference of the neck at seam, from center of collar button to outside end of buttonhole.

7.6. *Neck opening, pullover style.* Measured by taking circumference of the neck at the top edge, with fabric relaxed and smooth.

7.7. *Location of waistband.* Measured from neck seam at shoulder to upper edge of trouser when buttoned. (E to K, fig. 7.)

PANTS

7.8. *Waist (circumference).* Measured as twice the distance between outside edges of waistband, elastic relaxed and smooth. (Twice A to C, fig. 8.)

7.9. *Front waistband length.* Measured from end to end of front waistband.

7.10. *Total length.* Measured from outside top edge of waistband to heel of garment with

Table 7.—Sleeping garments, two-piece, infants' and children's—ribbed (1 x 1) and flat-knit cotton—standard measurements

Size (number).....	12 mo.	18 mo.	2	3	4	
CSI51-48 body measurements						
Stature—inches.....	29	31 1/2	34	37	40	
Weight—lbs. (approx.).....	22	26	29	34	38	
Vertical trunk girth—inches.....	31	32 1/2	34 1/2	36 1/2	39	
Measurement	Garment measurements (inches)					Tolerances (plus or minus)
Top (or shirt):						
Width of garment:						
Ribbed (1 x 1).....	9	9 3/4	9 3/4	10 1/2	10 1/2	6 percent
Flat knit.....	10	11	11	12	12	6 percent
Length.....	11	12	13	14	15	1 inch
Sleeve length:¹						
Under arm.....	9	10	11	12	13	1 inch
Armhole length.....	5 1/2	5 1/2	6	6	6 1/2	1/2 inch
Neck opening:						
Button-neck style.....	11	11	12	13	13	1 inch
Pullover style (stretched).....	19	19 1/2	20	20 1/2	20 1/2	Minimum
Waistband location.....	9	9 1/2	10	10 1/2	11	1/2 inch
Pants:						
Waist (circumference):						
Ribbed (1 x 1).....	18	19	19	20	20	1 inch
Flat.....	20	21	22	22 1/2	23	1 inch
Front waistband length.....	10 1/2	11	11 1/2	12	12 1/2	1/2 inch
Total length:						
To heel of garment (with feet).....	17	18 1/2	20	22	24	1 inch
Ribbed-cuff style (without feet).....	16	17 1/2	19	20 1/2	22 1/2	1 inch
Front rise.....	8 3/4	9	9 1/4	9 1/2	9 3/4	3/4 inch
Back rise.....	9 3/4	10	10 1/4	10 1/2	10 3/4	3/4 inch
Width across seat:						
Ribbed (1 x 1).....	10 3/4	11 1/2	11 1/2	12 1/4	12 1/4	1 inch
Flat knit.....	12 1/2	13 1/2	13 1/2	14 1/2	14 1/2	1 inch
Width of thigh:						
Ribbed (1 x 1).....	5 1/2	5 1/2	5 1/2	6	6	1/2 inch
Flat knit.....	5 1/2	6	6	6 1/2	6 1/2	1/2 inch
Width of ankle:						
Ribbed (1 x 1).....	3 1/4	3 1/2	3 1/2	3 3/4	4	1/2 inch
Flat knit.....	3 3/4	4	4	4 1/4	4 1/2	1/2 inch
Length of foot.....	6	6	6 1/2	7	7 1/2	1/2 inch
Suit buttoned:						
Trunk.....	36 1/2	38	39 1/2	41	42 1/2	2 inches
Total length.....	26	28	30	32 1/2	35	2 inches

¹ If turnback cuff is used, measurement is taken to center of cuff.

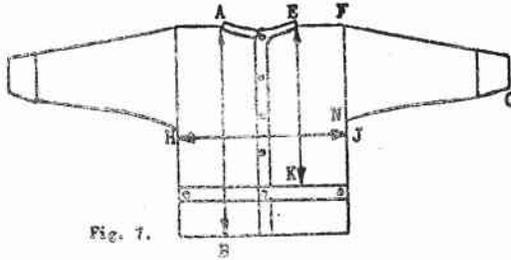


Fig. 7.

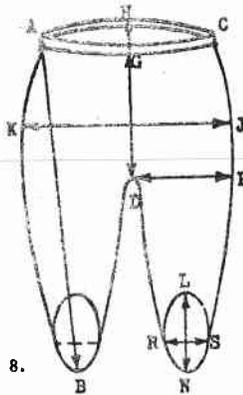


Fig. 8.

Figures 7 and 8. Infants' and children's two-piece sleeping garment.

heel extended as foot is folded back over ankle of garment. (A to B, fig. 8.)

7.11. *Total length, ribbed cuff style.* Measured from outside top edge of waistband to bottom edge of leg. (A to B, fig. 8.)

7.12. *Front rise.* Measured from bottom of crotch to top edge of waistband at center front. (D to G, fig. 8.)

7.13. *Back rise.* Measured from bottom of crotch to top edge of waistband at center back. (D to H, fig. 8.)

7.14. *Width across seat.* Measured across back of garment at a point halfway between bottom of crotch and top edge of waistband at center back. (K to J, fig. 8.)

7.15. *Width of thigh.* Measured across leg at bottom of crotch. (D to P, fig. 8.)

7.16. *Width of ankle.* Measured across leg where foot is joined to leg. (R to S, fig. 8.)

7.17. *Length of foot.* Measured from toe to heel of bottom of foot, with foot laid out flat. (L to N, fig. 8.)

8. VESTS, INFANTS' AND CHILDREN'S, SLEEVELESS—RIBBED (1 x 1) COTTON

Method of Measuring

8.1. *Width of garment.* Measured across garment 1 inch below bottom of armholes. (H to J, fig. 9.)

8.2. *Total length.* Measured from center of shoulder strap to bottom of garment. (A to B, fig. 9.)

8.3. *Width of shoulder strap.* Measured across strap. (E to C, fig. 9.)

8.4. *Length of shoulder strap.* Measured from point where shoulder strap joins body of garment to top edge of strap. (G to D, fig. 9.)

8.5. *Circumference of armhole.* Measured around armhole. (F to N, fig. 9.)

8.6. *Circumference of neck opening.* Measured around neck opening.

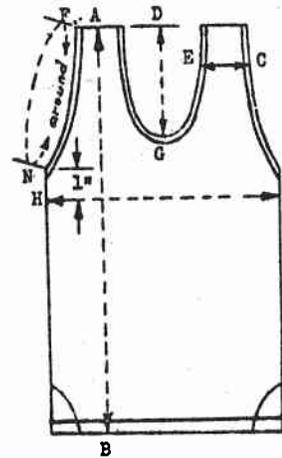


Figure 9. Infants' and children's vest.

Table 8.—Vests, infants' and children's, sleeveless—ribbed (1 x 1) cotton—standard measurements

Size (number).....	3 mo.	6 mo.	12 mo.	18 mo.	24 mo.	36 mo.	
CSI51-48 body measurements							
Stature—Inches.....	24	26 1/2	29	31 1/2	34	36 1/2	
Weight lbs. (approx.).....	13	18	22	26	29	32	
Chest girth—Inches.....	17	18	19	20	21	22	
Measurement	Garment measurements (inches)						Tolerances (plus or minus)
Width of garment (all cuts)....	6 1/2	7	7	7 1/2	8	8 1/2	6 percent
Total length.....	10	11	12	14	16	17	1/2 inch
Shoulder strap length.....	2 3/4	3	3 1/4	3 1/2	3 3/4	4	1/4 inch
Shoulder strap width.....	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	1/4 inch
Armhole length.....	8 3/4	9 1/4	10	10 1/2	11 1/4	11 3/4	1/4 inch
Neck opening.....	16 1/2	17 1/4	18	18 3/4	19 1/2	20 1/4	1/2 inch

¹ 1/4 inches for all sizes.

Part II. Children's and Girls' Garments

9. COMBINATION SUITS, CHILDREN'S—RIBBED (1 x 1)
COTTON (Shirt and Button-On Panties)

Method of Measuring

SHIRT

9.1. *Width of garment.* Measured across garment (buttoned, if a button-neck garment) 1 inch below bottom of armholes. (H to J, fig. 10.)

9.2. *Front length.* Measured from point where shoulder joins neck opening to bottom edge of shirt. (A to B, fig. 10.)

9.3. *Sleeve length.* Measured in a straight line from point under arm where sleeve is seamed to garment to lower outer edge of sleeve. (N to G, fig. 10.)

9.4. *Armhole length.* Measured from point where sleeve is attached to shoulder to lowest point under arm. (F to N, fig. 10.)

9.5. *Neck opening, pullover styles*

9.5.1. *Flat.* Measured by taking circumference of the neck at the top edge, with the fabric relaxed and smooth.

9.5.2. *Stretched.* Measured by taking circumference of the neck at the seam, with the fabric stretched.

9.6. *Neck opening, button-neck styles.* Measured by taking circumference of the neck at the seam, from center of collarette button to outside end of buttonhole.

9.7. *Location of waistband.* Measured from neck seam at shoulder to upper edge of pantie when buttoned. (E to K, fig. 10.)

PANTIE

9.8. *Waist.* Circumference, measured as twice the distance between the outside edges of garment at top of yoke front, elastic at back relaxed. (A to C, fig. 11.)

9.9. *Front waistband length.* Measured from end to end of front waistband.

9.10. *Side length.* Measured from top outside edge of waistband to bottom edge of leg opening at the side. (A to B, fig. 11.)

9.11. *Front rise.* Measured from bottom of crotch to top edge of waistband, at center front. (D to G, fig. 11.)

Table 9.—Combination Suit, children's (shirt and button-on panties)—ribbed (1 x 1) cotton—standard measurements

Size (number).....	2	3	4	5	6	7	
CS153-48 body measurements							
Stature—inches.....	34	37	40	43	46	50	
Weight—lbs. (approx.).....	29	34	38	44	49	60	
Vertical trunk girth—inches...	34 1/2	36 1/2	39	41	43	45 1/2	
Measurement	Garment measurements (inches)						Tolerances (plus or minus)
Shirt:							
Width of garment: ¹							
7, 8, 9, 10 cut.....	9	9 3/4	9 3/4	10 1/2	10 1/2	11 1/4	6 percent
11, 12, 14 cut.....	8 1/2	9 1/4	9 1/4	10	10	10 3/4	6 percent
Front length.....	12 1/4	13 1/4	14	15	16	17	1 inch
Sleeve length:							
Under arm.....	3	3 1/4	3 1/2	4	4	4 1/2	1 inch
Armhole length:							
Sleeve.....	5	5 1/2	5 1/2	6	6	6 1/2	3/4 inch
Sleeveless.....	6	6 1/2	6 1/2	7	7	7 1/2	3/4 inch
Neck opening:							
High neck.....	11 1/2	12	12	12 1/2	13	13 1/2	1 inch
Dutch neck.....	15	16	16	17	17	18	1 inch
Low neck.....	22	22 3/4	23 1/2	24 1/2	25	26	1 inch
Other than button-type ² ..	20	20 1/2	20 1/2	21	21	21 1/2	Minimum
Waistband (location) ³	9 1/2	10	10 1/2	11	11 1/2	12	1/2 inch
Pantie:							
Waist.....	16 1/2	17	17 1/2	18	18 1/2	19	1 inch
Front waistband length.....	9 1/4	9 1/2	9 3/4	10	10 1/4	10 1/2	3/4 inch
Side length ⁴	6 1/2	6 7/8	7 1/4	7 5/8	8	8 1/2	3/4 inch
Front rise.....	8 1/2	9	9 1/2	10	10 1/2	11 1/4	1/2 inch
Back rise.....	9 1/2	10	10 1/2	11	11 1/2	12 1/4	1/2 inch
Width across seat.....	10 1/2	10 7/8	11 1/4	11 5/8	12	12 1/2	1 inch
Leg opening (around) ⁴	9	9 1/2	10	10 1/2	11	12	1 inch
Width across crotch.....	3 1/2	3 3/4	3 3/4	4	4	4 1/4	1/2 inch
Suit, buttoned:							
Trunk length.....	37	39	41	43	45	47 1/2	1 1/2 inches.

¹Widths shown are to be used for garments having sleeves; sleeveless to be 1/2 inch less.

²The garment must easily open up, or stretch to the indicated minimum.

³Distance from neck edge of shoulder seam to top of pantie when buttoned.

⁴Side length and leg opening may vary according to style.

KNIT UNDERWEAR

9.12. *Back rise.* Measured from bottom of crotch to top edge of waistband at center back (D to H, fig. 11.)

9.13. *Width across seat.* Measured across back of garment at widest part. (K to L, fig. 11.)

9.14. *Leg opening.* Circumference, measured at bottom edge.

9.15. *Width across crotch.* Measured between outside edges at bottom of crotch. (F to J, fig. 11.)

9.16. *Suit buttoned--trunk length.* With pantie buttoned to shirt, and top of elastic back even with top of yoke front, the measurement is taken as twice the distance from point where shoulder joins neck opening of shirt to center of bottom of crotch of panties.

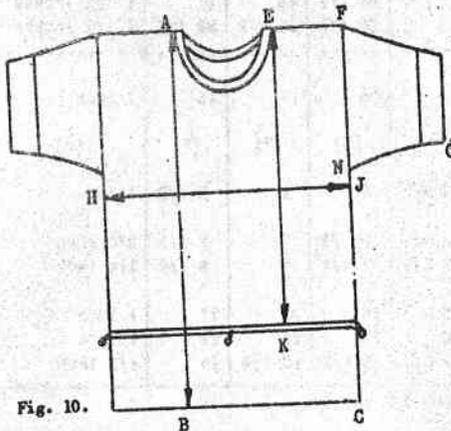


Fig. 10.

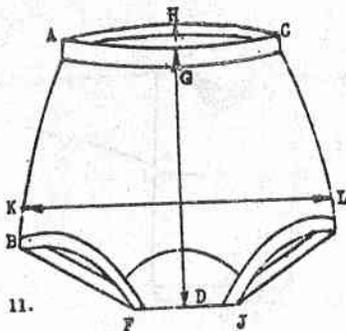


Fig. 11.

Figures 10 and 11. Children's combination suit.

10. UNION SUITS, CHILDREN'S--RIBBED (1 x 1) COTTON, SHORT SLEEVES AND SLEEVELESS

Method of Measuring

10.1. *Width of garment.* Measured across buttoned garment 1 inch below bottom of armholes. (H to J, fig. 12.)

10.2. *Trunk.* Measured as twice the distance from point where shoulder joins collarette or neck opening to center of bottom line of crotch. Spread legs in measuring only sufficiently to adjust crotch. (C to D, fig. 12.)

10.3. *Total length--ankle-length and knee-length suits.* Measured from point where shoulder joins collarette or neck opening to bottom edge of leg, or of leg cuff, if cuff is used. (For trunk-length suit, the trunk measurement governs.)

10.4. *Leg opening--trunk length suit.* Circumference, measured at bottom edge.

10.5. *Leg cuff length.* Measured from middle of seam attaching cuff to leg to outside bottom edge of cuff.

10.6. *Sleeve length.* Measured in a straight line from point under arm where sleeve is seamed to garment to lower outer edge of sleeve. (N to G, fig. 12.)

10.7. *Armhole length.*

10.7.1. *Sleeved garment.* Measured from point where sleeve is attached to shoulder to lowest point under arm. (F to N, fig. 12.)

10.7.2. *Sleeveless garment.* Measured from top point of armhole at shoulder along outer edge of armhole to lowest point under arm.

10.8. *Neck opening--button-neck styles.* Measured by taking circumference of the neck at the seam, from center of collarette button to outside end of buttonhole. (X to Y, fig. 12.)

10.8.1. *Low-neck styles--flat.* Measured by taking circumference of the neck at the top edge, with the fabric relaxed and smooth.

10.9. *Location of drop seat.* Measured from neck seam at shoulder to top of drop seat. (E to K, on back of garment, fig. 12.)

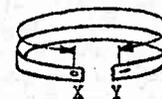
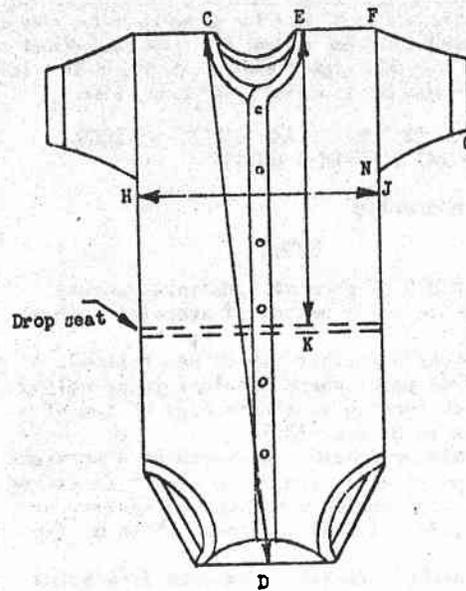


Figure 12. Children's union suit.

Table 10.—Union Suits, children's, short sleeves and sleeveless—ribbed (1 x 1) cotton—standard measurements

Size (number).....	2	3	4	5	6	7	8	10	12	
	CS151-48 body measurements									
	CS153-48 body measurements									
Stature—_inches.....	34	37	40	43	46	50	52	56	58 1/2	
Weight—lbs. (approx.).....	29	34	38	44	49	60	67	83	95	
Vertical trunk girth—_inches...	34 1/2	36 1/2	39	41	43	45 1/2	47	51	53 1/2	
Measurement	Garment measurements (inches)									Tolerances (plus or minus)
Width of garment: ¹										
7, 8, 9, 10 cut.....	9	9 3/4	9 3/4	10 1/2	10 1/2	11 1/4	11 1/4	12	12 3/4	6 percent
11, 12, 14 cut.....	8 1/2	9 1/4	9 1/4	10	10	10 3/4	10 3/4	11 1/2	12 1/4	6 percent
Trunk.....	36 1/2	38 1/2	41	43	45	47 1/2	49	53	55 1/2	1 1/2 inches
Total length:										
Ankle-length suit.....	29	31 1/2	34	36 1/2	39	42	44 1/2	48	51	1 1/2 inches
Knee-length suit.....	19	20 1/2	22	24	26	28	29 1/2	31 1/2	33 1/2	1 1/2 inches
Trunk-length suit ².....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Leg opening, around:										
Trunk-length suit.....	9	9	10	10	11	12	13	14	15	1 inch
Leg-cuff length:										
Ankle-length suit.....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Sleeve length:										
Under arm.....	3	3 1/2	3 1/2	4	4	4 1/2	5	5	5 1/2	1 inch
Armhole length:										
Sleeved garment.....	5	5 1/2	5 1/2	6	6	6 1/2	6 1/2	7	7 1/2	3/4 inch
Sleeveless garment.....	6	6 1/2	6 1/2	7	7	7 1/2	7 1/2	8	8 1/2	3/4 inch
Neck opening:										
Dutch neck.....	15	16	16	17	17	18	19	20	21	1 inch
Low neck.....	22	22 3/4	23 1/2	24 1/4	25	26	27	28	29	1 inch
Location of drop seat ³	9 1/4	9 3/4	10 1/4	10 3/4	11 1/4	11 3/4	12 1/2	13 1/4	14	1/2 inch

¹Widths shown are to be used for garments having sleeves; sleeveless to be 1/2 in. less.

²Since this garment has no leg, the trunk measurement governs the length.

³Distance from neck edge of shoulder to top of drop seat.

⁴Maximum length not to exceed 4 in. in any size.

11. PAJAMAS, CHILDREN'S AND GIRLS'—RIBBED (1 x 1) AND FLAT-KNIT COTTON

Method of Measuring

BLOUSE

11.1. *Width of garment.* Measured across garment 1 inch below bottom of armholes. (H to J, fig. 13.)

11.2. *Length* (either rib or hem bottom). Measured from point where shoulder joins collar-ette or neck opening to bottom edge of top or blouse. (A to B, fig. 13.)

11.3. *Sleeve length.* Measured in a straight line from point under arm where sleeve is seamed to garment to lower outside edge of sleeve, or of sleeve cuff, if cuff is used. (N to G, fig. 13.)

11.4. *Armhole length.* Measured from point where sleeve is attached to shoulder to lowest point under arm. (F to N, fig. 13.)

11.5. *Neck opening, flat.* Measured by taking circumference of the neck at the top edge with the fabric relaxed and smooth.

11.6. *Neck opening, stretched.* Measured by taking circumference of the neck at the seam, with the fabric stretched.

11.7. *Border rib length.* Measured from middle of seam attaching rib to edge of top or blouse to bottom edge of border rib. (C to D, fig. 13.)

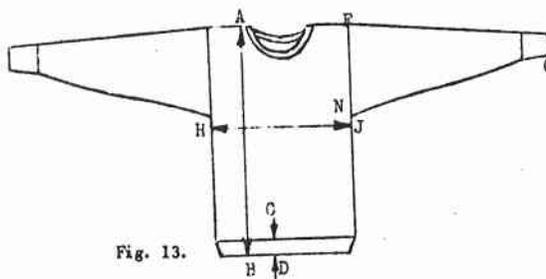


Fig. 13.

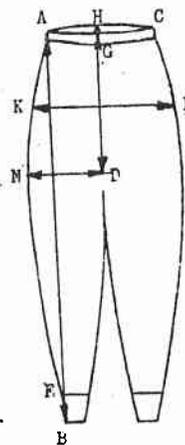


Fig. 14.

Figures 13 and 14. Children's and girls' pajama.

KNIT UNDERWEAR

TROUSERS

11.8. *Waist (circumference)*. Measured as twice the distance between outside edges of waistband, elastic relaxed and smooth. (Twice A to C, fig. 14.)

11.9. *Total length*. Measured from outside top edge of waistband to bottom edge of leg. (A to B, fig. 14.)

11.10. *Front rise*. Measured from bottom of crotch to top edge of waistband at center front. (D to G, fig. 14.)

11.11. *Back rise*. Measured from bottom of crotch to top edge of waistband at center back. (D to H, fig. 14.)

11.12. *Width across seat*. Measured across back of garment at a point halfway between bottom of crotch and top edge of waistband at center back. (K to L, fig. 14.)

11.13. *Width of thigh*. Measured across leg at bottom of crotch. (D to N, fig. 14.)

11.14. *Leg cuff length*. Measured from middle of seam attaching cuff to leg to lower outside edge of cuff. (E to B, fig. 14.)

Table 11.—Pajamas, children's and girls'—ribbed (1 x 1) and flat-knit cotton—standard measurements

Size (number).....	2	4	6	7	8	10	12	14	
	CS151-48 body measurements								
	CS153-48 body measurements								
Stature—Inches.....	34	40	46	50	52	56	58 1/2	61	
Weight—lbs. (approx.).....	28	38	49	60	67	83	95	107	
Chest—Inches.....	21	23	25	26	27	29	30 1/2	32	
	Garment measurements (inches)								Tolerances (plus or minus)
Blouse:									
Width:									
Ribbed (1 x 1).....	9 3/4	10 1/2	11 1/4	12	12	12 3/4	13 1/2	14 1/4	6 percent
Flat knit.....	11	12	13	14	14	15	16	17	6 percent
Length:									
Rib bottom.....	13 1/2	15	16 1/2	17 1/2	18 1/2	20	21	22	1 inch
Hem bottom.....	14 1/2	16	17 1/2	19	20	21 1/2	23	24	1 inch
Sleeve length:¹									
Under arm.....	11	13	15	16 1/2	17 1/2	19	20	21	1 inch
Armhole length.....	6	6 1/2	7	7 1/2	7 1/2	8	8 1/2	9	3/4 inch
Neck opening:									
Ribbed knit.....	12	12 1/2	13	13 1/2	13 1/2	14	14 1/2	15	1 inch
Stretched.....	20	20 1/2	21	21 1/2	21 1/2	22	22 1/2	23	Minimum
Border rib length.....	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Trousers:									
Waist (circumference), (all-elastic web).....	17	17 3/4	18 1/2	19	19 1/2	20	20 3/4	21 1/2	1 inch
Total length:									
Rib bottom.....	20	23 1/2	27 1/2	31	32 1/2	35 1/2	37	38 1/2	1 inch
Hem bottom.....	19	22 1/2	26 1/2	30	31 1/2	34 1/2	36	37 1/2	1 inch
Front rise.....	9	10	10 3/4	11 1/2	12 1/4	13	13 3/4	14 1/2	3/4 inch
Back rise.....	11	12	12 3/4	13 1/2	14 1/4	15	15 3/4	16 1/2	3/4 inch
Width across seat:									
Ribbed (1 x 1).....	11 1/2	12 1/4	13	13 3/4	14 1/2	15 1/4	16	16 3/4	1 inch
Flat knit.....	13	14	15	16	17	18	19	20	1 inch
Width of thigh:									
Ribbed (1 x 1).....	7 1/2	7 7/8	8 1/4	8 5/8	9	9 3/8	9 3/4	10 1/8	1/2 inch
Flat knit.....	8	8 1/2	9	9 1/2	10	10 1/2	11	11 1/2	1/2 inch
Leg-cuff length.....	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)

¹ If turnback cuff is used, measurement is taken to center of cuff.

² Maximum length not to exceed 3" in any size.

³ Maximum length not to exceed 4" in any size.

12. BLOOMERS, GIRLS'—RIBBED (1 x 1) AND FLAT-KNIT COTTON

Method of Measuring

12.1. *Waist (circumference)*. Measured as twice the distance between outside edges of waistband, elastic relaxed and smooth. (A to C, fig. 15.)

12.2. *Total length*. Measured from top edge of waistband to bottom edge of leg. (A to B, fig. 15.)

12.3. *Front rise*. Measured from bottom of crotch to top edge of waistband at center front. (D to G, fig. 15.)

12.4. *Back rise*. Measured from bottom of crotch to top edge of waistband at center back. (D to H, fig. 15.)

12.5. *Width across seat*. Measured across back of garment at a point halfway between bottom of crotch and top edge of waistband at center back. (K to L, fig. 15.)

12.6. *Leg opening*.

Table 12.—Bloomers, girls'—ribbed (1 x 1) and flat-knit cotton—standard measurements

Size (number).....	2	4	6	7	8	10	12	14	
	CS151-48 body measurements								
	CS153-48 body measurements								
Stature—_inches.....	34	40	46	50	52	56	58 1/2	61	
Weight—lbs. (approx.).....	29	38	49	60	67	83	95	107	
Waist girth—_inches.....	20 1/2	21 1/2	22 1/2	23	23 1/2	24 1/2	25 1/2	26 1/2	
Measurement	Garment measurements (inches)								Tolerances (plus or minus)
Waist (circumference), (elastic all around).....	16	16 3/4	17 1/2	17 1/2	18 1/4	19	19 3/4	20 1/2	1 inch
Side length ¹	9	10	11	12	13	14	15	16	1 inch
Front rise.....	8 3/4	9 3/4	10 1/2	11 1/4	12	12 1/2	13	13 1/2	3/4 inch
Back rise.....	10 3/4	11 3/4	12 1/2	13 1/4	14	14 1/2	15	15 1/2	3/4 inch
Width across seat:									
Ribbed (1 x 1).....	11	12	13	14	15	16	17	18	1 inch
Flat knit.....	12	13	14	15	16	17	18	19	1 inch
Leg opening: ¹									
Elastic.....	8	8	9	10	11	12	13	14	1 inch
Stretched.....	13	14	15	16	17	18 1/2	20	21	Minimum

¹Side length and leg opening may vary according to style.

12.6.1. *Elastic flat.* Circumference—measured at bottom edge, with elastic relaxed.

12.6.2. *Elastic stretched.* Circumference—measured at bottom edge, with elastic stretched to the normal relaxed width of the cloth to which the elastic is sewn.

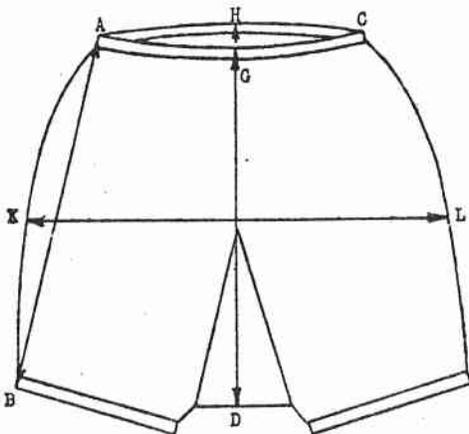


Figure 15. Girls bloomers.

13.2. *Side length.* Measured from top outside edge of waistband to bottom edge of leg opening at the side. (A to B, fig. 16.)

13.3. *Front rise.* Measured from bottom of crotch to top edge of waistband at center front. (D to G, fig. 16.)

13.4. *Back rise.* Measured from bottom of crotch to top edge of waistband at center back. (D to H, fig. 16.)

13.5. *Width across seat.* Measured across back of garment at widest part. (K to L, fig. 16.)

13.6. *Leg opening.* Circumference, measured at bottom edge.

13.7. *Width across crotch.* Measured between outside edges at bottom of crotch. (F to J, fig. 16.)

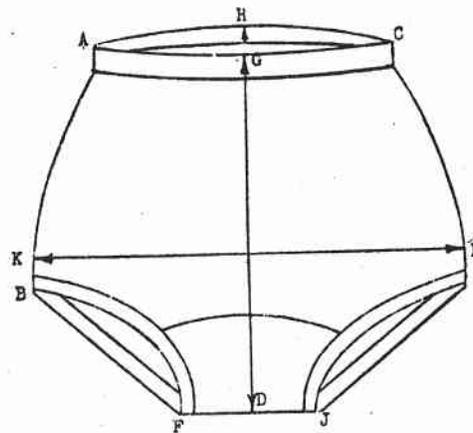


Figure 16. Girls' panties, brief style.

13. PANTIES, GIRLS' (BRIEF STYLE, RIBBED CUFF)—RIBBED (1 x 1) AND FLAT-KNIT COTTON

Method of Measuring

13.1. *Waist (circumference).* Measured as twice the distance between outside edge of waistband, elastic relaxed and smooth. (A to C, fig. 16.)

Table 13.—Panties, girls', brief style, ribbed cuff—ribbed (1 x 1) and flat-knit cotton—standard measurements

Size (number).....	2	4	6	7	8	10	12	14	
	CS151-48 body measurements								
	CS153-48 body measurements								
Stature— inches.....	34	40	46	50	52	56	58 1/2	61	
Weight— lbs. (approx.).....	29	38	49	60	67	83	95	107	
Waist girth— inches.....	20 1/2	21 1/2	22 1/2	23	23 1/2	24 1/2	25 1/2	26 1/2	
	Garment measurements (inches)								Tolerances (plus or minus)
Waist (circumference):									
Yoke front, elastic back....	16 1/2	17 1/2	18 1/2	19	19 1/2	20 1/2	21 1/2	22 1/2	1 inch
Elastic around.....	16	16 3/4	17 1/2	17 1/2	18 1/4	19	19 3/4	20 1/2	1 inch
Side length ¹	6 1/2	7 1/4	8	8 1/2	9	9 1/2	10	10 1/2	3/4 inch
Front rise.....	8 3/4	9 3/4	10 1/2	11 1/4	12	12 1/2	13	13 1/2	3/4 inch
Back rise ²	9 3/4	10 3/4	11 1/2	12 1/4	13	13 1/2	14	14 1/2	3/4 inch
Width across seat:									
Ribbed (1 x 1).....	10 1/2	11 1/4	12	12 3/4	13 1/2	14 1/2	15 1/2	16 1/2	1 inch
Flat knit.....	11 1/2	12 1/4	13	13 3/4	14 1/2	15 1/2	16 1/2	17 1/2	1 inch
Leg opening: ¹									
Ribbed-cuff style.....	9	10	11	12	13	14	15	16	1 inch
Width across crotch.....	3 1/2	3 3/4	4	4 1/4	4 1/2	4 3/4	5	5	1/2 inch

¹ Side length and leg opening may vary according to style.
² Back rise must exceed front rise by 1 inch.

14. PANTIES, GIRLS'—TUCK STITCH—BRIEF AND ABOVE-KNEE LENGTH

Method of Measuring¹

14.1. *Waist (circumference)*. Measured as twice the distance between outside edges of waistband, elastic relaxed and smooth. (A to C, fig. 17.)

14.2. *Length*. Measured from top outside edge of waistband to bottom edge of leg. (A to B, fig. 17.)

14.3. *Front rise*. Measured from bottom of crotch to top edge of waistband at center front. (D to G, fig. 17.)

14.4. *Back rise*. Measured from bottom of crotch to top edge of waistband at center back. (D to H, fig. 17.)

14.5. *Width across seat*. Measured across back of garment, at a point halfway between bottom of crotch and top edge of waistband at center back. (K to L, fig. 17.)

¹ For brief-style panties, use method of measuring given under item 13.

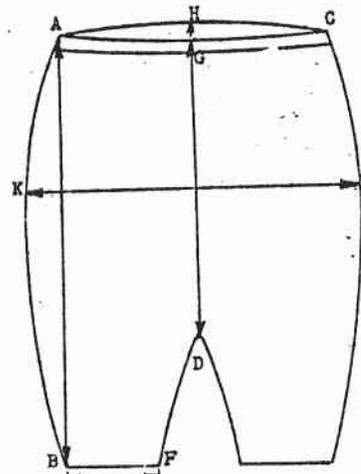


Figure 17. Girls' tuck-stitch panties.

14.6. *Leg opening (circumference)*. Measured as twice the distance between outside edges of leg opening. (B to F, fig. 17.)

(See table 14 on next page)

Table 14.—Panties, girls', brief and above-knee length—tuck stitch—standard measurements

Size (number) {	Extra small ¹ 2-4		Small ¹ 6-7		Medium ¹ 8-10		Large ¹ 12-14		
	2	4	6	7	8	10	12	14	
CSI51-48 body measurements CSI53-48 body measurements									
Stature—Inches.....	34	40	46	50	52	56	58 1/2	61	
Weight—lbs. (approx.).....	29	38	49	60	67	83	95	107	
Waist girth—Inches.....	20 1/2	21 1/2	22 1/2	23	23 1/2	24 1/2	25 1/2	26 1/2	
Measurement	Garment measurements (inches)								Tolerances (plus or minus)
Waist (circumference), flat: Elastic, around.....	15	15 3/4	16 1/2	16 1/2	17 1/4	18	18 3/4	19 1/2	1 inch
Length: Total, above-knee garment...	10	11	12	13	14	15	16	17	1 inch
Side, brief ²	6	6 3/4	7 1/2	8	8 1/2	9	9 1/2	10	3/4 inch
Front rise.....	8 1/4	9 1/4	10	10 3/4	11 1/2	12	12 1/2	13	3/4 inch
Back rise ³	9 1/4	10 1/4	11	11 3/4	12 1/2	13	13 1/2	14	3/4 inch
Width across seat: Above-knee garment.....	9	9	10	10	11	11	12	12	10%
Brief.....	10	10	11	11	12	12	13	13	10%
Leg opening, ² brief: Rib-cuff style.....	9	10	11	12	13	14	15	16	1 inch
Above-knee length.....	5	5 1/4	5 1/2	5 1/2	5 3/4	6	6 1/4	6 1/2	1/2 inch
Width across crotch: Brief.....	3 1/2	3 3/4	4	4 1/4	4 1/2	4 3/4	5	5	1/2 inch

¹ Whenever the size designations "Extra small," "Small," "Medium," and "Large" are to be used for these panties, the garments should be made to conform to the measurements of the larger size of the two listed under the size designation, namely, sizes 4, 7, 10, and 14, respectively.

² Side length and leg opening may vary according to style.

³ Back rise must exceed front rise by 1 inch.

15. VESTS, GIRLS', STRAIGHT, SLEEVELESS—RIBBED (1 x 1) COTTON, LIGHT WEIGHT

Method of Measuring

15.1. *Width of garment.* Measured across garment 1 inch below bottom of armholes. (H to J, fig. 18.)

15.2. *Total length.* Measured from top edge of shoulder strap to bottom edge of vest. (A to B, fig. 18.)

15.3. *Armhole length.* Measured from top point of armhole at shoulder along outer edge of armhole to lowest point under arm (one-half of the length of armhole band). (F to N, fig. 18.)

15.4. *Neck opening.* Measured by taking the circumference of the neck at the top edge, with the fabric relaxed and smooth.

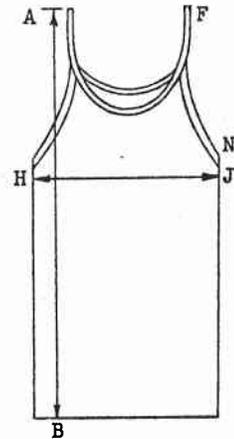


Figure 18. Girls' straight vest, sleeveless, ribbed (1 x 1) cotton.

Table 15.—Vests, girls', straight, sleeveless—ribbed (1 x 1) cotton, light weight—standard measurements

Size (number).....	2	4	6	7	8	10	12	14	
CSI51-48 body measurements CSI53-48 body measurements									
Stature— inches.....	34	40	46	50	52	56	58 1/2	61	
Weight— lbs. (approx.).....	29	38	49	60	67	83	95	107	
Chest girth— inches.....	21	23	25	26	27	29	30 1/2	32	
Measurement	Garment measurements (inches)								Tolerances (plus or minus)
Width of garment (all cuts)...	7 1/2	8 1/4	9	9 1/2	10	10 1/2	11 1/4	12	6 percent
Total length.....	16	18	20	21 1/2	23	24 1/2	26	27 1/2	1 inch
Armhole length.....	6 1/2	7	8	8	8 1/2	9	9 1/2	10	1 inch
Neck opening.....	22	23 1/2	25	26	27	28	29	30	1 inch

16. VESTS, GIRLS', STRAIGHT, SHORT SLEEVES—
RIBBED (1 x 1) COTTON, HEAVY WEIGHT

Method of Measuring

16.1. *Width of garment.* Measured across garment (buttoned, if a button-neck garment) 1 inch below bottom of armholes. (H to J, fig. 19.)

16.2. *Total length.* Measured from point where shoulder joins collarett or neck opening to bottom edge of vest. (A to B, fig. 19.)

16.3. *Sleeve length.* Measured in a straight line from point under arm where sleeve is seamed to garment to lower outer edge of sleeve or of sleeve cuff, if cuff is used. (N to G, fig. 19.)

16.4. *Armhole length.* Measured from point where sleeve is attached to shoulder to lowest point under arm. (F to N, fig. 19.)

16.5. *Sleeve cuff length.* Measured from middle of seam attaching cuff to sleeve to upper outside edge of cuff.

16.6. *Neck opening.* Measured by taking circumference of the neck at the seam, from center of collarett button to outside end of button-hole.

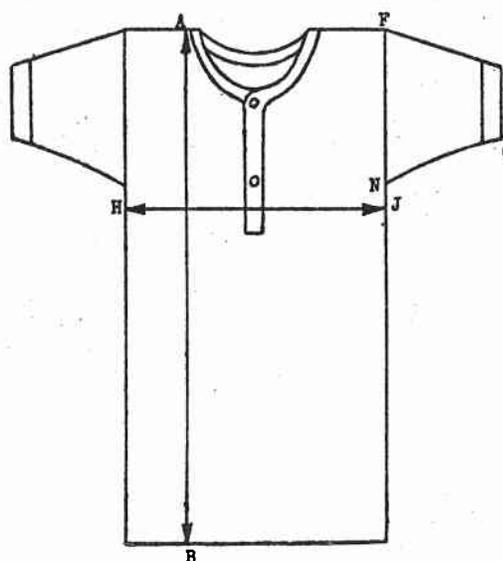


Figure 19. Girls' straight vest, short sleeves, ribbed (1 x 1) cotton.

Table 16.—Vests, girls', straight, short sleeves—ribbed (1 x 1) cotton, heavy weight—standard measurements

Size (number).....	2	4	6	7	8	10	12	14	
CSI 51-48 body measurements CSI53-48 body measurements									
Stature— inches.....	34	40	46	50	52	56	58 1/2	61	
Weight— lbs. (approx.).....	29	38	49	60	67	83	95	107	
Chest girth— inches.....	21	23	25	26	27	29	30 1/2	32	
Measurement	Garment measurements (inches)								Tolerances (plus or minus)
Width of garment:									
7, 8, 9, 10 cut.....	9	9 3/4	10 1/2	11 1/4	11 1/4	12	12 3/4	13 1/2	6 percent
11, 12, 14 cut.....	8 1/2	9 1/4	10	10 3/4	10 3/4	11 1/2	12 1/4	13	6 percent
Total length.....	16	18	20	21 1/2	23	24 1/2	26	27 1/2	1 inch
Sleeve length:									
Under arm.....	2 1/2	3	3 1/2	4	4 1/2	4 1/2	5	5	1/2 inch
Armhole length.....	5	5 1/2	6	6 1/4	6 1/2	7	7 1/2	8	3/4 inch
Neck opening:									
Dutch neck.....	15	16	17	18	19	20	21	22	1 inch
High neck.....	12 1/2	13 1/2	14 1/2	15	15 1/2	16	17	17 1/2	1 inch

17. VESTS, GIRLS'—TUCK STITCH

Method of Measuring

17.1. *Width of garment* (both the form-fitting and the straight-knit styles). Measured across garment 1 inch below bottom of armholes. (H to J, fig. 20.)

17.2. *Total length:*

17.2.1. *Sleeved garment.* Measured from point where shoulder joins neck opening to bottom edge of vest. (A to B, fig. 20.)

17.2.2. *Sleeveless garment.* Measured from top edge of shoulder strap to bottom edge of vest. (A to B, fig. 20.)

17.3. *Armhole length:*

17.3.1. *Sleeved garment.* Measured from point where sleeve is attached to shoulder to lowest point under arm. (F to N, fig. 20.)

17.3.2. *Sleeveless garment.* Measured from top point of armhole at shoulder along outer edge of armhole to lowest point under arm. (F to N, fig. 20.)

17.4. *Sleeve length.* Measured in a straight line from point under arm where sleeve is seamed to garment to lower outer edge of sleeve. (N to G, fig. 20.)

17.5. *Neck opening, flat.* Measured by taking circumference of the neck at the

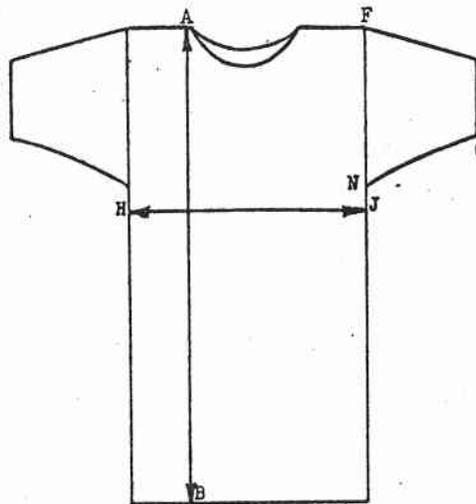


Figure 20. Girls' vest, tuck stitch.

top edge, with the fabric relaxed and smooth.

17.6. *Neck opening, stretched.* Measured by taking circumference of the neck at the seam, with the fabric stretched.

Table 17.—Vests, girls'—tuck stitch—standard measurements

Size (number)	Extra small ¹ 2-4		Small ¹ 6-7		Medium ¹ 8-10		Large ¹ 12-14		
	2	4	6	7	8	10	12	14	
CS151-48 body measurements									
CS153-48 body measurements									
Stature—Inches.....	34	40	46	50	52	56	58 1/2	61	
Weight—lbs. (approx.).....	29	38	49	60	67	83	95	107	
Chest girth—Inches.....	21	23	25	26	27	29	30 1/2	32	
Measurement	Garment measurements (inches)								Tolerances (plus or minus)
Width of garment.....	8 1/2	8 1/2	9 1/2	9 1/2	10 1/2	10 1/2	11 1/2	11 1/2	10 percent
Total length:									
Form-fitting.....	16	18	20	21 1/2	23	24 1/2	26	27 1/2	1 inch
Straight.....	15	17	19	20 1/2	22	23 1/2	25	26 1/2	1 inch
Armhole length:									
Short sleeve.....	5	5 1/2	6	6	6 1/2	7	7 1/2	8	3/4 inch
Sleeveless.....	6 1/2	7	8	8	8 1/2	9	9 1/2	10	3/4 inch
Short-sleeve length:									
Under arm.....	2 1/2	3	3 1/2	4	4 1/2	4 1/2	5	5	1/2 inch
Neck opening (circumference):									
Elastic neck.....	13	13	14	14	15	15	16	16	1 inch
Stretched.....	20	20 1/2	21	21 1/2	22	22	22 1/2	23	Minimum
Sleeveless style.....	22	23 1/2	25	26	27	28	29	30	1 inch

¹ Whenever the size designations "Extra small," "Small," "Medium," and "Large" are to be used for these vests, the garments should be made to conform to the measurements of the larger size of the two listed under the size designation, namely, sizes 4, 7, 10, and 14, respectively.

Part III. Boys' Garments

18. BRIEFS, BOYS', ALL-ELASTIC WAIST—RIBBED (1 x 1) COTTON

Method of Measuring

18.1. *Waist (circumference)* Measured as twice the distance between the outside edges of waistband, elastic relaxed and smooth. (A to C, fig. 21.)

18.2. *Front rise.* Measured from bottom of crotch to top edge of waistband at center front. (D to G, fig. 21.)

18.3. *Back rise.* Measured from bottom of crotch to top edge of waistband at center back. (D to H, fig. 21.)

18.4. *Width across seat.* Measured across back of garment at a point halfway between bottom of crotch and top edge of waistband at center back. (K to L, fig. 21.)

18.5. *Front opening.* Measured between the seams, or stitching, which limit the opening at each end. (S to R, fig. 21.)

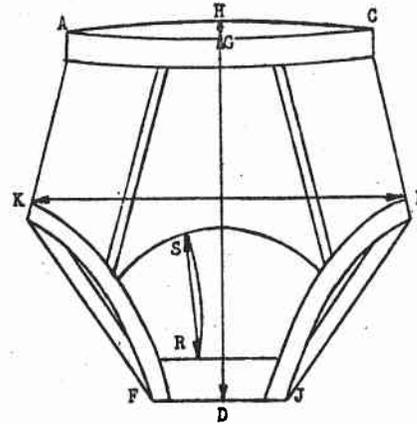


Figure 21. Boys' briefs.

18.6. *Width across crotch.* Measured between outside edges at bottom of crotch. (F to J, fig. 21.)

Table 18.—Briefs, boys', all-elastic waist—ribbed (1 x 1) cotton—standard measurements

Size (number).....	2	4	6	8	10	12	14	16	
CS155-50 body measurements									
Stature—inches.....	34	40	46	50	54	58	61	64	
Weight—lbs. (approx.).....	29	38	49	59	73	87	100	116	
Waist girth—inches.....	20 1/2	21 1/2	22 1/2	23 1/2	24 1/2	25 1/2	26 1/2	27 1/2	
Measurement	Garment measurements (inches)								Tolerances (plus or minus)
Waist:									
Elastic all around.....	16 1/2	17 1/4	18	18 3/4	19 1/2	20 1/4	21	21 3/4	1 inch
Front rise.....	8 3/4	9 3/4	10 1/2	11	11 1/2	12 1/4	13	13 3/4	3/4 inch
Back rise ¹	9 3/4	10 3/4	11 1/2	12	12 1/2	13 1/4	14	14 3/4	3/4 inch
Width across seat.....	8 1/4	9	9 3/4	10 1/2	11 1/4	12	12 3/4	13 1/2	3/4 inch
Front opening.....	3 1/2	3 1/2	3 1/2	3 3/4	3 3/4	4 1/4	4 1/4	4 1/2	1/2 inch
Width across crotch.....	3 1/2	4	4	4 1/2	4 1/2	5	5	5 1/2	1/2 inch

¹Back rise must exceed front rise by 1 inch.

19. DRAWERS, BOYS'—RIBBED (1 x 1) COTTON—ANKLE LENGTH, ALL-ELASTIC WAIST

Method of Measuring

19.1. *Waist (circumference).* Measured as twice the distance between outside edges of waistband, elastic relaxed and smooth. (A to C, fig. 22.)

19.2. *Total length.* Measured from top outside edge of waistband to bottom outside edge of leg. (A to B, fig. 22.)

19.3. *Front rise.* Measured from bottom of crotch to top edge of waistband at center front. (D to G, fig. 22.)

19.4. *Back rise.* Measured from bottom of crotch to top edge of waistband at center back. (D to H, fig. 22.)

19.5. *Width across seat.* Measured across back of garment at a point halfway between bottom of crotch and top edge of waistband at center back. (K to L, fig. 22.)

19.6. *Thigh width.* Measured across leg at bottom of crotch. (E to N, fig. 22.)

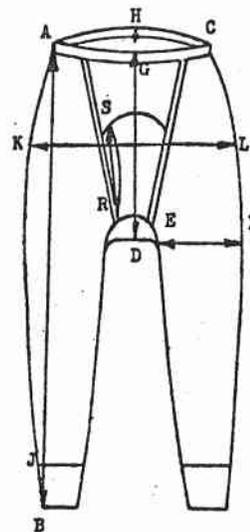


Figure 22. Boys' drawers, ankle length.

19.7. *Front opening* Measured between the seams, or stitching, which limit the opening at each end. (S to R, fig. 22.)

19.8. *Leg-cuff length*. Measured from middle of seam stitching cuff to leg to outside bottom edge of cuff. (J to B, fig. 22.)

Table 19.—Drawers, boys', ankle length, all-elastic waist—ribbed (1 x 1) cotton—standard measurements

Size (number).....	2	4	6	8	10	12	14	16	
CS155-50 body measurements									
Stature—inches.....	34	40	46	50	54	58	61	64	
Weight—lbs. (approx.).....	29	38	49	59	73	87	100	115	
Waist girth—inches.....	20 1/2	21 1/2	22 1/2	23 1/2	24 1/2	25 1/2	26 1/2	27 1/2	
Measurement	Garment measurements (inches)								Tolerances (plus or minus)
Waist, circumference:									
Elastic all around.....	16 1/2	17 1/4	18	18 3/4	19 1/2	20 1/4	21	21 3/4	1 inch
Total length.....	19 1/2	23 1/2	27 1/2	30 1/2	33 1/2	36 1/2	38 1/2	40	1 inch
Front rise.....	9 3/4	10 3/4	11 1/2	12	12 1/2	13 1/4	14	14 3/4	3/4 inch
Back rise ¹	10 3/4	11 3/4	12 1/2	13	13 1/2	14 1/4	15	15 3/4	3/4 inch
Width across seat:									
7, 8, 9, 10 cut.....	9 3/4	10 3/4	11 3/4	12 1/2	13 1/4	14	14 3/4	15 1/4	3/4 inch
11, 12, 14 cut.....	9 1/4	10 1/4	11 1/4	12	12 3/4	13 1/2	14 1/4	14 3/4	3/4 inch
Width of thigh.....	4 1/2	5	5 1/2	5 1/2	6	6 1/2	7	7 1/2	1/2 inch
Front opening.....	3 1/2	3 1/2	3 1/2	3 3/4	3 3/4	4 1/4	4 1/4	4 1/2	1/2 inch
Leg-cuff length.....	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	

¹ Back rise must exceed front rise by 1 inch.

² Maximum length not to exceed 4" for any size.

20. PANTS, BOYS'—RIBBED (1 x 1) COTTON—MID-THIGH LENGTH, ALL-ELASTIC WAIST

Method of Measuring

20.1. *Waist (circumference)*. Measured as twice the distance between outside edges of waistband, elastic relaxed and smooth. (A to C, fig. 23.)

20.2. *Total length*. Measured from top outside edge of waistband to bottom outside edge of leg. (A to B, fig. 23.)

20.3. *Front rise*. Measured from bottom of crotch to top edge of waistband at center front. (D to G, fig. 23.)

20.4. *Back rise*. Measured from bottom of crotch to top edge of waistband at center back. (D to H, fig. 23.)

20.5. *Leg opening*. Circumference, measured at bottom edge.

20.6. *Width across seat*. Measured across back of garment at a point halfway between bottom of crotch and top edge of waistband at center back. (K to L, fig. 23.)

20.7. *Front opening*. Measured between the seams, or stitching, which limit the opening at each end. (S to R, fig. 23.)

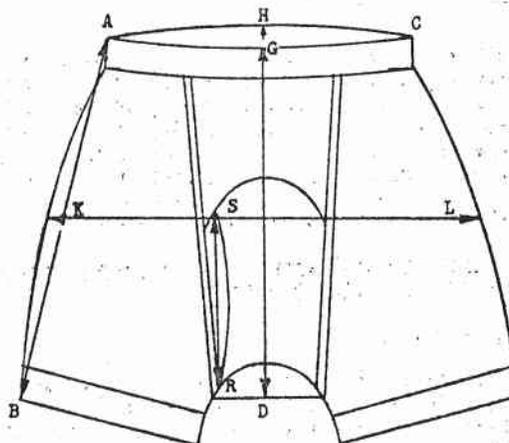


Figure 23. Boys' pants, mid-thigh length.

Table 20.—Pants, boys', mid-thigh length, all elastic waist—ribbed (1 x 1) cotton—standard measurements

Size (number).....	2	4	6	8	10	12	14	16	
CS155-50 body measurements									
Stature—Inches.....	34	40	46	50	54	58	61	64	
Weight—lbs. (approx.).....	29	38	49	59	73	87	100	115	
Waist girth—Inches.....	20 1/2	21 1/2	22 1/2	23 1/2	24 1/2	25 1/2	26 1/2	27 1/2	
Measurement	Garment measurements (inches)								Tolerances (plus or minus)
Waist (circumferences):									
Elastic all around.....	16 1/2	17 1/4	18	18 3/4	19 1/2	20 1/4	21	21 3/4	1 inch
Side length ¹	10	11	12	13	13 3/4	14 1/2	15 1/4	16	3/4 inch
Front rise.....	8 3/4	9 3/4	10 1/2	11	11 1/2	12 1/4	13	13 3/4	3/4 inch
Back rise ²	9 3/4	10 3/4	11 1/2	12	12 1/2	13 1/4	14	14 3/4	3/4 inch
Leg opening ²	9	10	10	11	12	13	13	14	1 inch
Width across seat:									
7, 8, 9, 10 cut.....	9 3/4	10 3/4	11 3/4	12 1/2	13 1/4	14	14 3/4	15 1/4	3/4 inch
11, 12, 14 cut.....	9 1/4	10 1/4	11 1/4	12	12 3/4	13 1/2	14 1/4	14 3/4	3/4 inch
Front opening.....	3 1/2	3 1/2	3 1/2	3 3/4	3 3/4	4 1/4	4 1/4	4 1/2	1/2 inch

¹Side length and leg opening may vary according to style.

²Back rise must exceed front rise by 1 inch.

21. SHIRTS, ATHLETIC, BOYS'—RIBBED (1 x 1), PANEL-RIBBED, SWISS-RIBBED, AND FLAT-KNIT COTTON

Method of Measuring

21.1. *Width of garment.* Measured across garment 1 inch below bottom of armholes. (H to J, fig. 24.)

21.2. *Total length.* Measured from center of shoulder strap to bottom edge of shirt. (A to B, fig. 24.)

21.3. *Armhole length.* Measured from top point of armhole at shoulder along outer edge of armhole to lowest point under arm. (F to N, fig. 24.)

21.4. *Neck opening.* Measured by taking circumference of the neck at the top edge, with the fabric relaxed and smooth.

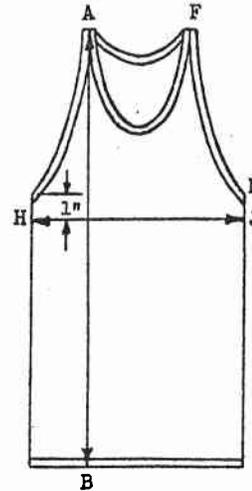


Figure 24. Boys' athletic shirt.

Table 21.—Shirts, athletic, boys' (pullover)—ribbed (1 x 1) and flat-knit cotton—standard measurements

Size (number).....	2	4	6	8	10	12	14	16	
CS155-50 body measurements									
Stature—Inches.....	34	40	46	50	54	58	61	64	
Weight—lbs. (approx.).....	29	38	49	59	73	87	100	115	
Chest girth—Inches.....	21	23	25	26 1/2	28	29 1/2	31 1/2	33	
Measurement	Garment measurements (inches)								Tolerances (plus or minus)
Width of garment:									
Ribbed (1 x 1).....	8	8 1/2	9 1/4	10	10 3/4	11 1/4	11 3/4	12 1/4	6 percent
Flat knit.....	9	10	11	11	12	13	14	15	6 percent
Total length:									
Ribbed (1 x 1).....	16 1/2	18 1/2	20 1/2	22	24	26	28	30	1 inch
Flat knit.....	15 1/2	17 1/2	19 1/2	21	23	25	27	29	1 inch
Armhole length.....	7	7 1/2	8 1/2	9	9 1/2	10	11	11 1/2	1 inch
Neck opening.....	20	21	22	23	24	25	26	27	1 inch

Table 22.—Shirts, athletic, boys' (pullover)—panel-ribbed cotton—standard measurements
(For method of measuring, see par. 21.1 to 21.4)

Size (number).....	2	4	6	8	10	12	14	16	
CSI55-50 body measurements									
Stature—_inches.....	34	40	46	50	54	58	61	64	
Weight—lbs. (approx.).....	29	38	49	59	73	87	100	115	
Chest girth—_inches.....	21	23	25	26 1/2	28	29 1/2	31 1/2	33	
Measurement	Garment measurements (inches)								Tolerances (plus or minus)
Width of garment:									
Panel ribbed.....	7 1/2	8	8 1/2	9	9 1/2	10	10 1/2	11	6 percent
Total length.....	16 1/2	18 1/2	20 1/2	22	24	26	28	30	1 inch
Armhole length.....	7	7 1/2	8 1/2	9	9 1/2	10	11	11 1/2	1 inch
Neck opening.....	20	21	22	23	24	25	26	27	1 inch

Table 23.—Shirts, athletic, boys' (pullover)—swiss-ribbed cotton—standard measurements

Size (number).....	2	4	6	8	10	12	14	16	
CSI55-50 body measurements									
Stature—_inches.....	34	40	46	50	54	58	61	64	
Weight—lbs. (approx.).....	29	38	49	59	73	87	100	115	
Chest girth—_inches.....	21	23	25	26 1/2	28	29 1/2	31 1/2	33	
Measurement	Garment measurements (inches)								Tolerances (plus or minus)
Width of garment:									
12 cut.....	7	7	7 1/2	7 1/2	8	8	8 1/2	8 1/2	10 percent
14 cut.....	6 1/2	6 1/2	7	7	7 1/2	7 1/2	8	8	10 percent
Total length.....	17 1/2	19 1/2	21 1/2	23	25	27	29	31	1 inch
Armhole length.....	7	7 1/2	8 1/2	9	9 1/2	10	11	11 1/2	1 inch
Neck opening.....	20	21	22	23	24	25	26	27	1 inch

22. SHIRTS, POLO, BOYS'—FLAT-KNIT AND RIBBED (1 x 1) COTTON

Method of Measuring

22.1. *Width of garment.* Measured across buttoned garment 1 inch below bottom of armholes. (H to J, fig. 25.)

22.2. *Total length.* Measured from point where shoulder joins collar to bottom edge of shirt. (A to B, fig. 25.)

22.3. *Sleeve length.* Measured from point under arm where sleeve is seamed to garment to lower edge of sleeve or of sleeve cuff, if cuff is used. (N to G, fig. 25.)

22.4. *Armhole length.* Measured from point where sleeve is attached to shoulder to lowest point under arm. (F to N, fig. 25.)

22.5. *Collar length.* Measured from center of collar button around neckband to outside end of buttonhole.

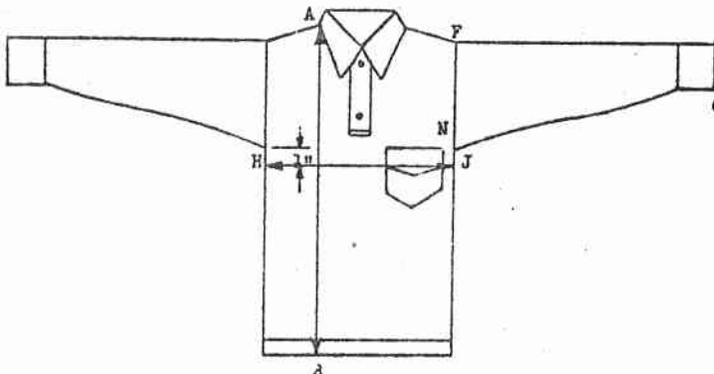


Figure 25. Boys' polo shirt, long sleeves.

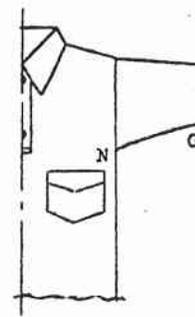


Figure 25A. Short sleeves.

Table 24.—Shirts, polo, boys'—flat-knit cotton—standard measurements

Size (number).....	2	4	6	8	10	12	14	16	
CS155-50 body measurements									
Stature—inches.....	34	40	46	50	54	58	61	64	
Weight—lbs. (approx.).....	29	38	49	59	73	87	100	115	
Chest girth—inches.....	21	23	25	26 1/2	28	29 1/2	31 1/2	33	
Measurement	Garment measurements (inches)								Tolerances (plus or minus)
Width of garment.....	10 1/2	11 1/2	12 1/2	13 1/4	14	15	16	17	6 percent
Total length.....	14 1/2	16	17 1/2	19	20 1/2	22	23 1/2	25	1 inch
Sleeve length:									
Short, under arm.....	3 1/2	4	4	4 1/2	4 1/2	5	5	5	1/2 inch
Long, under arm.....	10 1/2	12 1/2	14 1/2	16	17 1/2	19	20 1/2	21 1/2	1 inch
Armhole length.....	5	5 1/2	6	6 1/2	6 1/2	7	7 1/2	8	3/4 inch
Collar length.....	11 1/2	12	12 1/2	13	13 1/2	14	14 1/2	15	1/2 inch

Table 25.—Shirts, polo, boys'—ribbed (1 x 1) cotton—standard measurements

Size (number).....	2	4	6	8	10	12	14	16	
CS155-50 body measurements									
Stature—inches.....	34	40	46	50	54	58	61	64	
Weight—lbs. (approx.).....	29	38	49	59	73	87	100	115	
Chest girth—inches.....	21	23	25	26 1/2	28	29 1/2	31 1/2	33	
Measurement	Garment measurements (inches)								Tolerances (plus or minus)
Width of garment:									
7, 8, 9, 10 cut.....	9 3/4	10 1/2	11 1/4	12	12 3/4	13 1/4	13 3/4	14 1/4	6 percent
11, 12, 14 cut.....	9 1/4	10	10 3/4	11 1/2	12 1/4	12 3/4	13 1/4	13 3/4	6 percent
Total length.....	15 1/2	17	18 1/2	20	21 1/2	23	24 1/2	26	1 inch
Sleeve length:									
Short, under arm.....	3 1/2	4	4	4 1/2	4 1/2	5	5	5	1/2 inch
Long, under arm.....	11 1/2	13 1/2	15 1/2	17	18 1/2	20	21 1/2	22 1/2	1 inch
Armhole length.....	5	5 1/2	6	6 1/2	6 1/2	7	7 1/2	8	3/4 inch
Collar length.....	11 1/2	12	12 1/2	13	13 1/2	14	14 1/2	15	1/2 inch

23. SHIRTS, SWEAT, BOYS'—FLAT FLEECE-LINED COTTON

Method of Measuring

23.1. *Width of garment.* Measured across garment 1 inch below bottom of armholes. (H to J, fig. 26.)

23.2. *Total length.* Measured from point where shoulder joins neck opening to bottom edge of shirt. (A to B, fig. 26.)

23.3. *Sleeve length.* Measured in a straight line from point under arm where sleeve is seamed to garment to lower outer edge of sleeve cuff. (N to G, fig. 26.)

—34512

23.4. *Armhole length.* Measured from point where sleeve is attached to shoulder to lowest point under arm. (F to N, fig. 26.)

23.5. *Neck opening, flat.* Measured by taking circumference of the neck at the top edge, with the fabric relaxed and smooth.

23.6. *Neck opening, stretched.* Measured by taking circumference of the neck at the seam, with the fabric stretched.

23.7. *Border-rib length.* Measured from middle of seam attaching rib to edge of shirt to bottom edge of border rib. (C to D, fig. 26.)

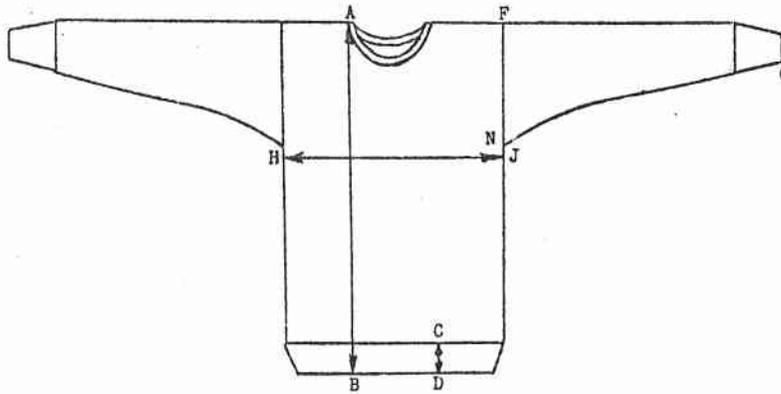


Figure 26. Boys' sweat shirt.

Table 26.—Shirts, sweat, boys'—flat fleece-lined cotton—standard measurements

Size (number).....	2	4	6	8	10	12	14	16	
CS155-50 body measurements									
Stature—_inches.....	34	40	46	50	54	58	61	64	
Weight—lbs. (approx.).....	29	38	49	59	73	87	100	115	
Chest girth—_inches.....	21	23	25	26 1/2	28	29 1/2	31 1/2	33	
Measurement	Garment measurements (Inches)								Tolerances (plus or minus)
Width of garment (all gages)...	10 1/2	11 1/2	12 1/2	13 1/4	14	15	16	17	6 percent
Total length.....	14 1/2	16	17 1/2	19	20 1/2	22	23 1/2	25	1 inch
Sleeve length:									
Under arm.....	10 1/2	12 1/2	14 1/2	16	17 1/2	19	20 1/2	21 1/2	1 inch
Armhole length.....	6	6 1/2	7	7 1/2	7 1/2	8	8 1/2	9	3/4 inch
Neck opening.....	14 1/2	15	15	15 1/2	16	16 1/2	17	17 1/2	1 inch
Stretched.....	20	20 1/2	21	21 1/2	22	22 1/2	23	23 1/2	Minimum
Border rib length.....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	

¹Maximum length not to exceed 4 1/2 inches for any size.

24. T-SHIRTS, BOYS'—RIBBED (1x1) AND FLAT-KNIT COTTON—(Primarily for Outerwear)

Method of Measuring

24.1. *Width of garment.* Measured across garment 1 inch below bottom of armholes. (H to J, fig. 27.)

24.2. *Total length.* Measured in a straight line from point where shoulder joins neck opening to bottom edge of shirt. (A to B, fig. 27.)

24.3. *Sleeve length.* Measured in a straight line from point under arm where sleeve is seamed

to garment to lower outer edge of sleeve, or of sleeve cuff if cuff is used. (N to G, fig. 27.)

24.4. *Armhole length.* Measured from point where sleeve is attached to shoulder to lowest point under arm. (F to N, fig. 27.)

24.5. *Neck opening.* Measured by taking circumference of the neck at the top edge, with fabric relaxed and smooth.

24.6. *Neck opening, stretched.* Measured by taking circumference of the neck at the seam, with the fabric stretched.

KNIT UNDERWEAR

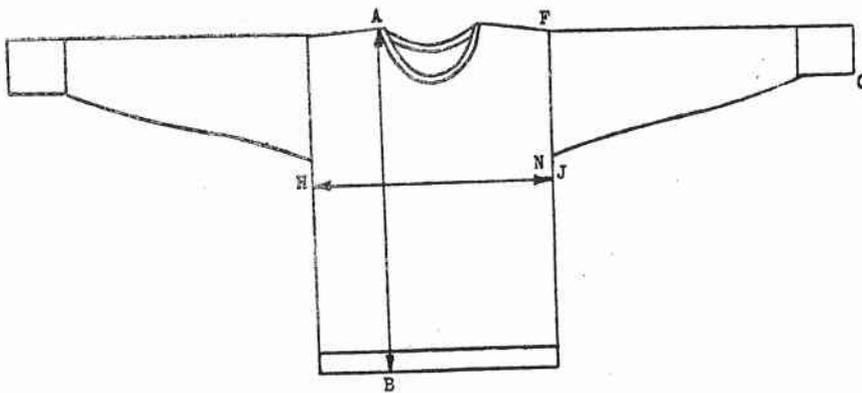


Figure 27. Boys' T-shirt, long sleeves.

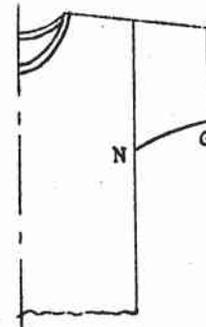


Figure 27A. Short sleeves.

Table 27.—T-shirts, boys'—flat-knit cotton—standard measurements (primarily for outerwear)

Size (number).....	2	4	6	8	10	12	14	16	
CS155-50 body measurements									
Stature—inches.....	34	40	46	50	54	58	61	64	
Weight—lbs. (approx.).....	29	38	49	59	73	87	100	115	
Chest girth—inches.....	21	23	25	26 1/2	28	29 1/2	31 1/2	33	
Measurement	Garment measurements (inches)								Tolerances (plus or minus)
Width of garment.....	10 1/2	11 1/2	12 1/2	13 1/4	14	15	16	17	6 percent
Total length.....	14 1/2	16	17 1/2	19	20 1/2	22	23 1/2	25	1 inch
Sleeve length:									
Short.....	3 1/2	4	4	4 1/2	4 1/2	5	5	5	1/2 inch
Long.....	10 1/2	12 1/2	14 1/2	16	17 1/2	19	20 1/2	21 1/2	1 inch
Armhole length.....	5	5 1/2	6	6 1/2	6 1/2	7	7 1/2	8	3/4 inch
Neck opening:									
Ribbed knit.....	12	12 1/2	13	13 1/2	14	14 1/2	15	15 1/2	1 inch
Flat knit.....	13 1/2	14	14 1/2	15	15 1/2	16	16 1/2	17	1 inch
Stretched.....	20	20 1/2	21	21 1/2	22	22 1/2	23	23 1/2	Minimum

Table 28.—T-shirts, boys'—ribbed (1 x 1) cotton—standard measurements (primarily for outerwear)

Size (number).....	2	4	6	8	10	12	14	16	
CS155-50 body measurements									
Stature—inches.....	34	40	46	50	54	58	61	64	
Weight—lbs. (approx.).....	29	38	49	59	73	87	100	115	
Chest girth—inches.....	21	23	25	26 1/2	28	29 1/2	31 1/2	33	
Measurement	Garment measurements (inches)								Tolerances (plus or minus)
Width of garment:									
7, 8, 9, 10 cut.....	9 3/4	10 1/2	11 1/4	12	12 3/4	13 1/4	13 3/4	14 1/4	6 percent
11, 12, 14 cut.....	9 1/4	10	10 3/4	11 1/2	12 1/4	12 3/4	13 1/4	13 3/4	6 percent
Total length.....	15 1/2	17	18 1/2	20	21 1/2	23	24 1/2	26	1 inch
Sleeve length:									
Short.....	3 1/2	4	4	4 1/2	4 1/2	5	5	5	1/2 inch
Long.....	11 1/2	13 1/2	15 1/2	17	18 1/2	20	21 1/2	22 1/2	1 inch
Armhole length.....	5	5 1/2	6	6 1/2	6 1/2	7	7 1/2	8	3/4 inch
Neck opening.....	12	12 1/2	13	13 1/2	14	14 1/2	15	15 1/2	1 inch
Stretched.....	20	20 1/2	21	21 1/2	22	22 1/2	23	23 1/2	Minimum

25. UNDERSHIRTS, BOYS' (PULLOVER), CREW NECK—RIBBED (1 x 1) COTTON

Method of Measuring

25.1. *Width of garment.* Measured across garment 1 inch below bottom of armholes. (H to J, fig. 28.)

25.2. *Total length.* Measured from point where shoulder joins neck opening to bottom edge of shirt. (A to B, fig. 28.)

25.3. *Sleeve length.* Measured in a straight line from point under arm where sleeve is seamed to garment to lower outer edge of sleeve cuff. (N to G, fig. 28.)

25.4. *Armhole length.* Measured from point where sleeve is attached to shoulder to lowest point under arm. (F to N, fig. 28.)

25.5. *Sleeve cuff length.* Measured from middle of seam attaching cuff to sleeve to lower outside edge of cuff. (L to G, fig. 28.)

25.6. *Neck opening.* Measured by taking circumference of the neck at the top edge, with the fabric relaxed and smooth.

25.7. *Neck opening, stretched.* Measured by taking circumference of the neck at the seam, with the fabric stretched.

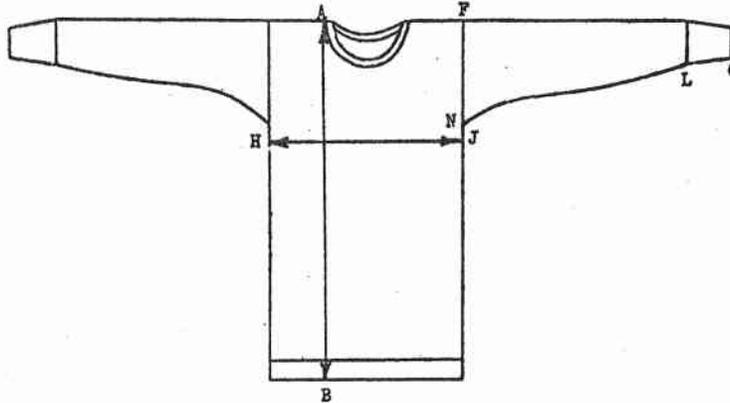


Figure 28. Boys' undershirt (pullover).

Table 29.—Undershirts, boys' (pullover), crew neck—ribbed (1 x 1) cotton—standard measurements

Size (number).....	2	4	6	8	10	12	14	16	
CS155-50 body measurements									
Stature—inches.....	34	40	46	50	54	58	61	64.	
Weight—lbs. (approx.).....	29	38	49	59	73	87	100	115	
Chest girth—inches.....	21	23	25	26 1/2	28	29 1/2	31 1/2	33	
Measurement	Garment measurements (inches)								Tolerances (plus or minus)
Width of garment:									
7, 8, 9, 10 cut.....	9	9 3/4	10 1/2	11 1/4	12	12 1/2	13	13 1/2	6 percent
11, 12, 14 cut.....	8 1/2	9 1/4	10	10 3/4	11 1/2	12	12 1/2	13	6 percent
Total length.....	16	18	20	21 1/2	23	25	27	29	1 inch
Sleeve length:									
Short, under arm.....	3 1/2	4	4	4 1/2	4 1/2	5	5	5	1/2 inch
Long, under arm.....	10	12	14	15 1/2	17	18 1/2	20	21	1 inch
Armhole length.....	5	5 1/2	6	6 1/2	6 1/2	7	7 1/2	8	3/4 inch
Sleeve cuff length.....	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	
Neck opening:									
Ribbed knit.....	12 1/2	13	13 1/2	14	14 1/2	15	15 1/2	16	1 inch
Flat knit.....	14	14 1/2	15	15 1/2	16	16 1/2	17	17 1/2	1 inch
Stretched.....	20	20 1/2	21	21 1/2	22	22 1/2	23	23 1/2	Minimum

¹Maximum length not to exceed 3 in. for any size.

26. UNION SUITS, BOYS'—RIBBED (1 x 1) AND FLAT-KNIT COTTON

Method of Measuring

26.1. *Width of garment.* Measured across buttoned garment 1 inch below bottom of armholes. (H to J, fig. 29.)

26.2. *Trunk.* Measured as twice the distance from point where shoulder joins collarette to center of bottom line of gusset at crotch. Spread legs in measuring only sufficiently to adjust crotch. (C to D, fig. 29.)

26.3. *Total length.* Measured from point where shoulder joins collarette to outside bottom edge of leg cuff. (A to B, fig. 29.)

26.4. *Width of leg.* Measured across leg (O to P, fig. 29) the following indicated distances below bottom line of gusset at crotch (point D, fig. 29):

- Sizes 2, 3, 4—2 inches.
- 5, 6, 8—3 inches.
- 10, 12 —4 inches.
- 14, 16 —5 inches.

Width of leg must equal one-half of width of garment within a tolerance of 1 inch, plus or minus.

26.5. *Sleeve length.* Measured in a straight line from point under arm where sleeve is seamed to garment to lower outer edge of sleeve cuff. (N to G, fig. 29.)

26.6. *Armhole length.* Measured from point where sleeve is attached to shoulder to lowest point under arm. (F to N, fig. 29.)

26.7. *Leg-cuff length.* Measured from middle of seam attaching cuff to leg to outside bottom edge of cuff. (K to B, fig. 29.)

26.8. *Sleeve-cuff length.* Measured from middle of seam attaching cuff to sleeve

to lower outside edge of cuff. (L to G, fig. 29.)

26.9. *Neck opening.* Measured by taking circumference of the neck at the seam, from center of collarette button to outside end of button-hole. (X to Y, fig. 29.)

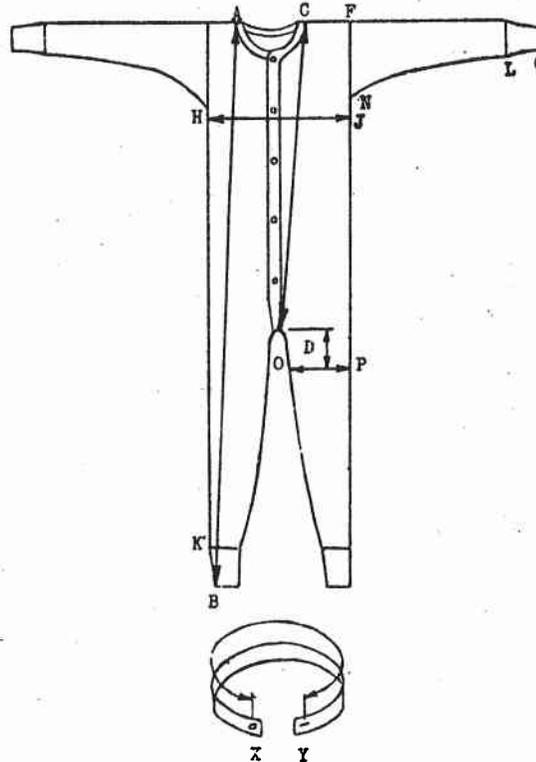


Figure 29. Boys' union suit.

Table 30.—Union suits, boys'—flat-knit cotton—standard measurements

Size (number).....	2	3	4	5	6	8	10	12	14	16	
CSI55-50 body measurements											
Stature—Inches.....	34	37	40	43	46	50	54	58	61	64	
Weight—lbs. (approx.).....	29	34	38	44	49	59	73	87	100	115	
Vertical trunk girth—Inches.....	34 1/2	36 1/2	39	41	43	46	49	52	55	58	
Measurement	Garment measurements (inches)										Tolerances (plus or minus)
Width (all gages).....	10	11	11	12	12	13	14	15	16	17	6 percent
Trunk.....	35 1/2	37 1/2	40	42	44	47	50	53 1/2	57	60	1 1/2 inches
Total length:											
Ankle-length suit.....	29	31 1/2	34	36 1/2	39	43	46 1/2	50	53	56	1 1/2 inches
Width of leg ¹	5	5 1/2	5 1/2	6	6	6 1/2	7	7 1/2	8	8 1/2	1 inch
Sleeve length:											
Under arm.....	10	11	12	13	14	15 1/2	17	18 1/2	20	21	1 inch
Armhole length.....	5	5 1/2	5 1/2	6	6	6 1/2	6 1/2	7	7 1/2	8	3/4 inch
Leg-cuff length.....	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	
Sleeve-cuff length.....	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	
Neck opening.....	12	13	13	14	14	15	16	16	17	18	1 inch

¹ Must equal one-half of width of garment for any size at depths indicated in par. 26.4.

² Maximum length not to exceed 4" for any size.

³ Maximum length not to exceed 3" for any size.

Table 31.—Union suits, boys'—ribbed (1 x 1) cotton—standard measurements

Size (number).....	2	3	4	5	6	8	10	12	14	16	
CS155-50 body measurements											
Stature—Inches.....	34	37	40	43	46	50	54	58	61	64	
Weight—lbs. (approx.).....	29	34	38	44	49	59	73	87	100	115	
Vertical trunk girth—Inches.....	34 1/2	36 1/2	39	41	43	46	49	52	55	58	
Measurement	Garment measurements (inches)										Tolerances (plus or minus)
Width of garment:											
7, 8, 9, 10 cut.....	9	9 3/4	9 3/4	10 1/2	10 1/2	11 1/4	12	12 1/2	13	13 1/2	6 percent
11, 12, 14 cut.....	8 1/2	9 1/4	9 1/4	10	10	10 3/4	11 1/2	12	12 1/2	13	6 percent
Trunk.....	36 1/2	38 1/2	41	43	45	48	51	54 1/2	58	61	1 1/2 inches
Total length: ¹											
Ankle-length suit.....	29	31 1/2	34	36 1/2	39	43	46 1/2	50	53	56	1 1/2 inches
Knee-length suit.....	19	20 1/2	22	24	26	28	30 1/2	33	35	36 1/2	1 1/2 inches
Width of leg: ²											
7, 8, 9, 10 cut.....	4 1/2	4 7/8	4 7/8	5 1/4	5 1/4	5 5/8	6	6 1/4	6 1/2	6 3/4	1 inch
11, 12, 14 cut.....	4 1/4	4 5/8	4 5/8	5	5	5 3/8	5 3/4	6	6 1/4	6 1/2	1 inch
Sleeve length:											
Long, under arm.....	10	11	12	13	14	15 1/2	17	18 1/2	20	21	1 inch
Short, under arm.....	3 1/2	3 1/2	4	4	4	4 1/2	4 1/2	5	5	5	1/2 inch
Armhole length.....	4 1/2	5	5	5 1/2	5 1/2	6	6	6 1/2	7	7 1/2	3/4 inch
Leg-cuff length.....	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	
Sleeve-cuff length.....	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	
Neck opening.....	12	13	13	14	14	15	16	16	17	18	1 inch

¹Total length of knee-length and shorter suits may vary according to style.

²Must equal one-half of width of garment for any size at depths indicated in par. 26.4.

³Maximum length not to exceed 4" for any size.

⁴Maximum length not to exceed 3" for any size.

Identification

Note.—This knit underwear standard is based on the new "height-weight" sizing system for infants', babies', children's, girls', and boys' garments. The heights and the weights identify the child with his normal body size. However, in purchasing the different garments, an additional critical measurement is given in each table. This critical measurement will vary according to the type of garment, but the heights and weights will be uniform for each classification—infants', children's, girls', or boys'. If a boy is 54 inches tall and weighs 73 pounds, he is a size 10 boy, and would normally buy a size 10 garment. However, he might be larger or smaller than the size 10 critical measurement for a given garment. In that case it would be advisable to consider the critical measurement in determining the size to purchase.

In order to assure purchasers that the knit underwear they buy conforms to this "height-weight" sizing system, it is recommended that catalog and sales literature carry the following statement:

Sizes of _____ are made in accordance with Commercial
(name particular garment)
Standard CS 198-55, as developed by the trade under the procedure of the
Commodity Standards Division, and issued by the U. S. Department of Com-
merce.

In order to assure consumers that the knit underwear they purchase conforms to this "height-weight" sizing system, it is recommended that each garment be identified by a sticker, tag, hanger, or other label attached to it carrying the following statement:

SIZE _____, CS198-55
HEIGHT _____ WEIGHT _____
Appropriate critical
measurement.

EFFECTIVE DATE

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 March 1, 1955.

EDWIN W. ELY,
Chief, Commodity Standards Division.

HISTORY OF PROJECT

This Commercial Standard for infants', children's, girls', and boys' knit underwear had its inception as a revision of those portions of Commercial Standard CS33-43, Knit Underwear (Exclusive of Rayon), relating to children's garments. The revision was prompted by the completion of three body measurement Commercial Standards—CS151-50 for infants' to children's sizes, CS153-48 for girls' sizes, and CS155-50 for boys' sizes—which provided new data for the knit underwear industry.

The knit underwear industry endorsed all three standards; in fact, it was the first industry to accept them. It was also desired to bring the knit underwear standard up to date insofar as the character and styling of the garments were concerned. Accordingly, 12 new garments were added and 16 old ones were retained, but all are based on the new "height-weight" body measurement standards mentioned above. The height-weight system itself is based on a research project of the Bureau of Human Nutrition and Home Economics of the United States Department of Agriculture—Miscellaneous Publication No. 366 (now out of print).

The work of developing the standard was done by a special research committee set up by interested members of the Underwear Institute, the trade association of the knit underwear industry. The size specifiers of the large mail order companies gave fullest cooperation. Thus, the standard represents a joint manufacturer-distributor effort to achieve uniformity in specifications for staple items of knit underwear. It was based on Government data, and was developed under the procedure of the Commodity Standards Division.

The final recommendation was circulated to the trade on October 19, 1954. It was promptly endorsed and approved for promulgation as Commercial Standard CS198-55, Infants', Children's, Girls', and Boys' Knit Underwear (Exclusive of Rayon, Acetate, and Nylon). The new standard is effective for new production from March 1, 1955.

Commercial Standard CS198-55 supersedes the portions of CS33-43 covering infants', children's, and boys' knit underwear, but does not invalidate in any way the portions relating to men's and women's garments. These will remain in effect until revised or withdrawn.

The first edition of Commercial Standard CS33 for knit underwear became effective in 1932, and

was revised in 1943 and issued as CS33-43, second edition.

Project Manager: Mansfield Lonie, Commodity Standards Division, Office of Technical Services.

Technical Adviser: Wm. D. Appel, Organic and Fibrous Materials Division, National Bureau of Standards.

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. Comment concerning the standard and suggestions for revision may be addressed to any member of the committee or to the Commodity Standards Division, Office of Technical Services, United States Department of Commerce, which acts as secretary for the committee.

Manufacturers:

Roy A. Cheney, Underwear Institute, 2 Park Ave., New York 16, N. Y. (chairman).
J. W. Gilreath, E-Z Mills, Inc., Cartersville, Ga.
Donald C. McLeod, Munsingwear, Inc., Minneapolis, Minn.
Robert Niels, Ware Knitters, Ware, Mass.

Distributors:

Wm. Burston, National Retail Dry Goods Association, 100 West 31st St., New York 1, N. Y.
Everett Hover, N. J. Thompson & Co., 178 State St., Elmira, N. Y. (representing Wholesale Dry Goods Institute).
Lee K. Pond, Merchandise Standards Department, Spiegel, Inc., 1061 West 35th St., Chicago 9, Ill.
Louis Rothschild, National Association of Retail Clothiers & Finishers, 1007 Munsey Building, Washington, D. C.

Consumers:

Mrs. Ernest H. Daniel, Broad Branch & Grant Roads NW., Washington 8, D. C. (representing General Federation of Women's Clubs).
Mrs. Margaret H. Kingsbury, Procurement Office, Bureau of Indian Affairs, U. S. Department of the Interior, Washington 25, D. C.
Dr. Dorothy Stepat, Hunter College, 695 Park Ave., New York, N. Y. (representing National Council of Women of the U. S.).

OTHER COMMERCIAL STANDARDS

A list of all effective Commercial Standards may be obtained from the Commodity Standards Division, Office of Technical Services, U. S. Department of Commerce, Washington 25, D. C. These publications may be purchased at the prices indicated on the list, which also includes directions for ordering copies.

ACCEPTORS

The organizations listed below have individually accepted this standard for use as far as practicable in the production, distribution, purchase, or testing of infants', children's, girls', and boys' knit underwear. In accepting the standard they reserved the right to depart from it 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)

Boys' Apparel Buyers' Association, New York, N. Y.
Mail Order Association of America, Washington, D. C.
National Association of Retail Clothiers and Furnishers, Washington, D. C.
National Council of Women of the U. S., New York, N. Y.
National Retail Dry Goods Association, New York, N. Y.
National Wholesale Dry Goods Association, New York, N. Y.
Underwear Institute, New York, N. Y.

FIRMS AND OTHER INTERESTS

Adam, Meldrum and Anderson Co., Buffalo, N. Y.
Aldens, Inc., Chicago, Ill.
Allied Purchasing Corp., New York, N. Y.
Appalachian Mills Co., Knoxville, Tenn.
Ashland Knitting Mills, Inc., Ashland, Pa.
Ball Stores, Muncie, Ind.
Baumann, Ludwig, and Spear, New York, N. Y.
Bean, C. W., and Son, Pacolet, S. C.
Better Fabrics Testing Bureau, Inc., New York, N. Y.
Binghamton Knitting Co., Inc., Binghamton, N. Y.
Blue Star Knitting, Inc., Milwaukee, Wis.
Brager-Eisenberg, Inc., Baltimore, Md.
Burkey Underwear Co., Inc., Hamburg, Pa.
Burton, H. W., Lincoln, Nebr. (General support.)
California, University of, Agricultural Extension, Berkeley, Calif.
Carter, William, Co., Needham Heights, Mass.
Cavendish Trading Corp., New York, N. Y.
Chic Pattern Service and Chic School of Design, New York, N. Y.
Children's Shop, Washington, D. C.
Conn Knitting Mills, Inc., Oswego, N. Y.
Crown Knitting Mills, Inc., Mohrsville, Pa.
Eastern New Mexico University, Portales, N. Mex.
E-Cut Knitting Mills, Inc., Foyersford, Pa.
Elmira Knitting Mills, Elmira, N. Y.
E-Z Mills, Inc., New York, N. Y.
Fair, The, Chicago, Ill.
Fashion Institute of Technology, New York, N. Y.
Fessler, H. H., Knitting Co., Orwigsburg, Pa.
Fligelman's, Helena, Mont.
Fort Schuyler Knitting Co., Utica, N. Y.
Gable, William F., Co., Altoona, Pa.
Gibbs Underwear Co., Philadelphia, Pa.
Gilbert Knitting Co., Inc., Little Falls, N. Y.
Grant, W. T., Co., New York, N. Y.
Green, H. L., Co., Inc., New York, N. Y.
Greene Tannenbaum Corp., New York, N. Y.
Hamburg Knitting Mills, Inc., Hamburg, Pa.
Hanes, P. H., Knitting Co., Winston-Salem, N. C.
Harrow's, Perth Amboy, N. J.
Harvey Co., Nashville, Tenn.
Hatch Textile Research, Inc., New York, N. Y.
Herpolsheimer Co., Grand Rapids, Mich.
Hollywood Knitting Mills, Inc., Los Angeles, Calif.

Howick, W., Manufacturing Co., Ltd., Montreal, Quebec, Canada
Hunter, E. V., Corp., Stowe, Pa.
Indera Mills Co., Winston-Salem, N. C.
Illena Mills, Inc., Chattanooga, Tenn.
Indiana Rayons Corp., Greenfield, Ind.
Industrial By-Products and Research Co., and Merchandise Research Laboratories, Philadelphia, Pa.
Jaco Knitwear, Inc., Griffin, Ga.
Jetts Department Store, Pratt, Kans.
Kain-Murphey Corp., Chattanooga, Tenn.
Kansas State College, Manhattan, Kans.
Kansas, State of, Purchasing Division, Department of Administration, Topeka, Kans.
Kaufmann's, Pittsburgh, Pa.
Kugelman's, Woodsville, N. H.
Landing Knitting Co., Landingville, Pa.
Levy Bros. Inc., Louisville, Ky.
LiFalco Manufacturing Co., Inc., Little Falls, N. Y.
Macy, R. H., and Co., Inc., New York, N. Y.
Malone Knitting Co., Springfield, Mass.
Markson's, Elmira, N. Y.
Marston Co., San Diego, Calif.
McCroory Stores Corp., New York, N. Y.
Men's Wear Sales Corp., New York, N. Y.
Metcalf's, Inc., of Georgia, Columbus, Ga.
Miller, Henry L., and Son, Inc., Port Carbon, Pa.
Monroe, Day, Topeka, Kans.
Moyer, Walter W., Co., Ephrata, Pa.
Munsingwear, Inc., Minneapolis, Minn.
Myers Bros., Springfield, Ill.
N. W. Buyers and Jobbers, Inc., St. Paul, Minn.
Nazareth Mills, Inc., Nazareth, Pa.
Olwin Angell Store, Aberdeen, S. Dak.
Pannill Knitting Co., Inc., Martinsville, Va.
Pennsylvania, Commonwealth of, Department of Property and Supplies, Harrisburg, Pa.
Perkiomen Knitting Mills, Inc., East Greenville, Pa.
Pottsville Mills, Inc., Pottsville, Pa.
Printz Co., Inc., Meadville, Pa.
Rike-Kumler Co., Dayton, Ohio
Rubens and Marble, Inc., Chicago, Ill.
Sage-Allen and Co., Hartford, Conn.
Sale Knitting Co., Inc., Martinsville, Va.
Sample, Inc., Buffalo, N. Y.
Sanger Bros., Dallas, Tex.
Scott and Williams, Inc., New York, N. Y.
Signal Knitting Mills, Chattanooga, Tenn.
Silverman, M., and Son, Philadelphia, Pa.
Southwest Texas State Teachers College, San Marcos, Tex.
Spiegel, Inc., Chicago, Ill.
Stratford Knitting Mills, Inc., Linfield, Pa.
Thompson, N. J., and Co., Inc., Elmira, N. Y.
Trebtor Knitting Mills, Inc., Brooklyn, N. Y.
Union Knitting Mills, Inc., Schuylkill Haven, Pa.
Utica Clothing Co., Des Moines, Iowa
Valley Knitting Co., Inc., New York, N. Y.
Vanta Co., Inc., Brockton, Mass.
Vanta Corp., Montezuma, Ga.
Vesta Underwear Co., Pawtucket, R. I.
Virginia Penitentiary Industrial Department, Richmond, Va.
Wakefield Knitting Mills, Philadelphia, Pa.
Ware Knitters, Inc., Ware, Mass.
Wells and Frost Boys Department, Lincoln, Nebr.
West Knitting Corp., Wadesboro, N. C.
White House, El Paso, Tex.
Williams Bros. Manufacturing Co., Rome, N. Y.
Wolfson's, A., Sons, New Brunswick, N. J.
Wundies, Inc., Williamsport, Pa.
Ziesel Bros. Co., Elkhart, Ind.

U. S. GOVERNMENT

Bureau of Indian Affairs, Department of the Interior, Washington, 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,
Office of Technical Services,
U. S. Department of Commerce,
Washington 25, D. C.

Gentlemen:

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

production¹ distribution¹ purchase¹ testing¹

of infants', children's, girls', and boys' knit underwear. 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.....

¹Underscore those applicable. 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 nationwide 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 of the Department of Commerce, the support of any standard is inadequate, the right is reserved to withhold promulgation and publication.

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