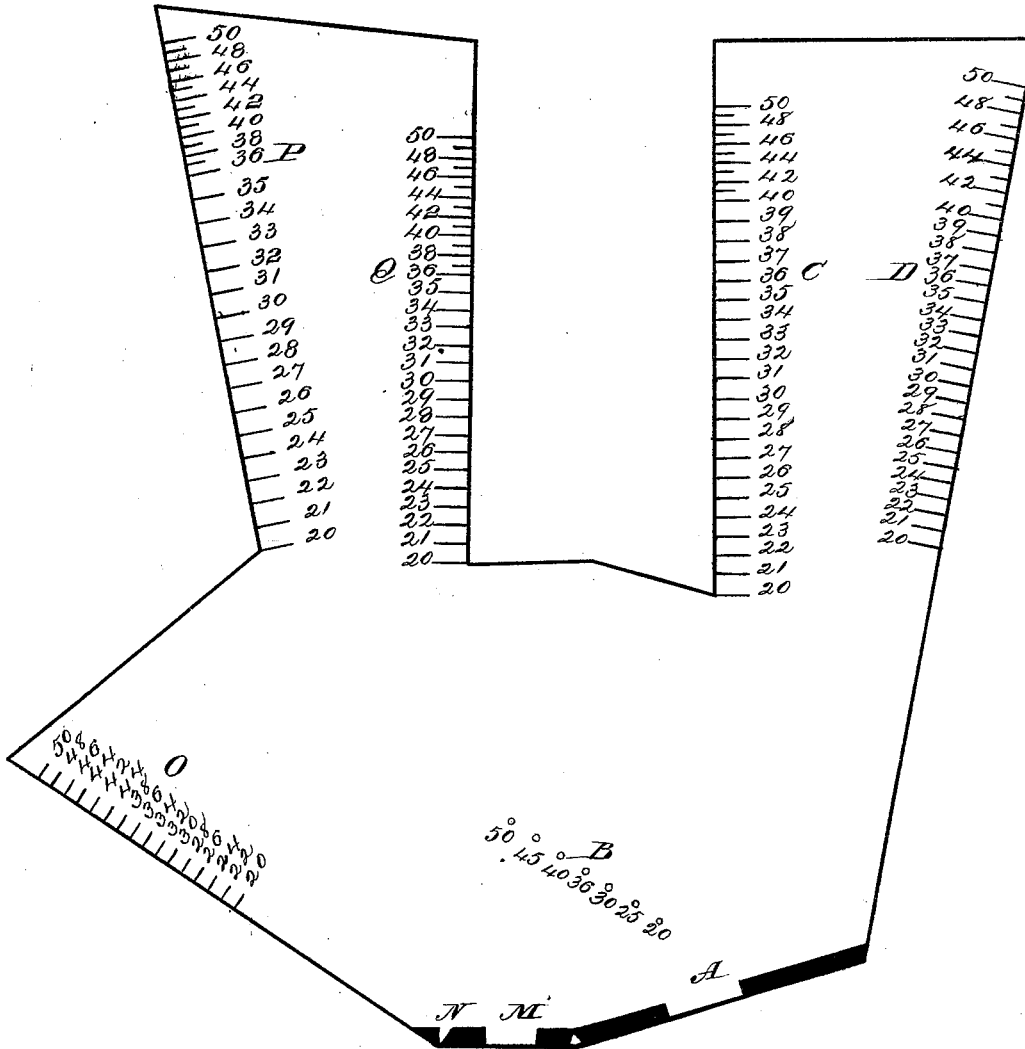


E. H. REEVES.  
PATTERN CHARTS FOR CUTTING GARMENTS.

No. 195,308.

Patented Sept. 18, 1877.

*Fig 1.*



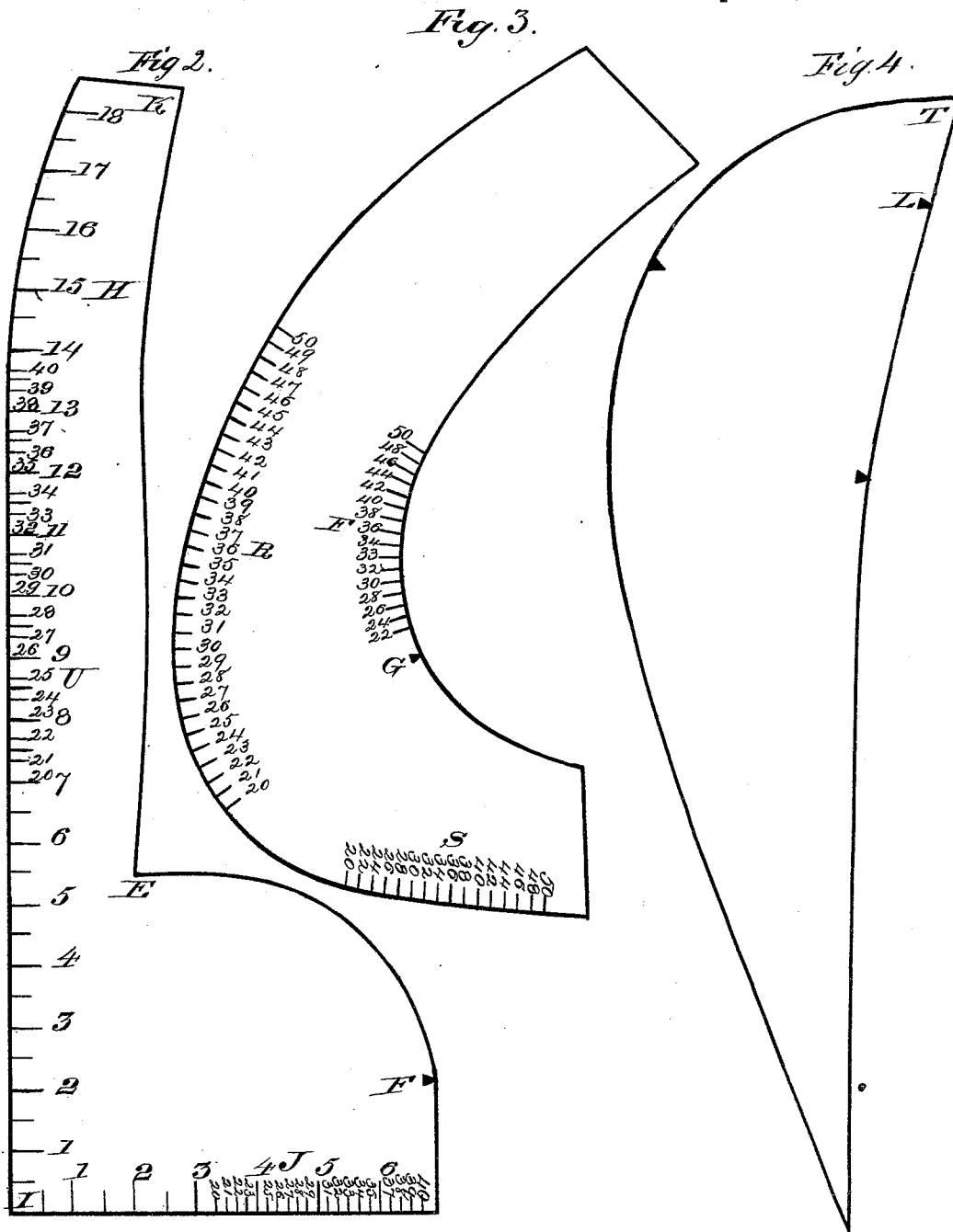
*Witnesses.*  
*Alex Scott*  
*A. B. Griff*

*Inventor.*  
*Edward H. Reeves.*

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J. B. Groff

Inventor  
Edward H. Reeves.

# UNITED STATES PATENT OFFICE.

EDWARD H. REEVES, OF WEST FARMINGTON, MAINE.

## IMPROVEMENT IN PATTERN-CHARTS FOR CUTTING GARMENTS.

Specification forming part of Letters Patent No. 195,308, dated September 18, 1877; application filed August 18, 1877.

*To all whom it may concern:*

Be it known that I, EDWARD H. REEVES, of West Farmington, in the county of Franklin and State of Maine, have invented a new and useful Improvement in Pattern-Charts for Cutting Garments; and I do hereby declare that the following is a clear, full, and exact description thereof, which will enable others skilled in the art to use the same, reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 is the main or body chart, having scales of figures which correspond with the measures taken, and arranged at suitable distances and on proper angles. Fig. 2 is a chart, having a combination of guides, consisting of neck, shoulder, under-arm, front and back waist-line guide. Fig. 3 is a back and front arm size-guide. Fig. 4 is a back-form, side-body, and dart guide.

The object of my invention is to furnish a series of charts and guides by means of which, it is believed, ladies', misses', and children's garments can be cut with less trouble and more accurately than by any chart now in use.

To draft a waist, first take the measures, viz: size of bust and waist, and length of back. To take the bust-measure, pass the tape around the person at the fullest part, bringing close up to arm-pits and between the lower part of shoulder-blades, drawing comfortably close, not tight. Take the waist-measure at the smallest part, drawing tape tight. Take the length of back, from as high up as the garment needs to be, down to the natural waist. Draft back first, invariably.

Suppose the person to measure 36 bust, 25 waist, and 15 back; draw a line far enough from edge of goods to allow for spring at bottom; place the edge of chart, Fig. 1, with A parallel with line, dot in perforation 36B for top of neck and upper end of shoulder, at 36C for lower end of shoulder, at 36D for arm-size. Take guide, Fig. 2, place it so that E will come close to dot made at 36B, and curved edge at dot made at 36C; line out for shoulder; allow three-fourths of an inch outside for seam. Take arm-size guide, Fig. 3, place 36F close to dot made at 36D, with edge close to dot made at 3C; line to G, which forms back arm size. Take guide, Fig. 2,

place 15H by dot made at 36B, Fig. 1, with long straight edge of guide parallel with back-line; line across from I to J26 for back waist-line; place K at end of arm-size, and line down to end of waist-line for under arm seam; allow one inch outside for seam. Take guide, Fig. 4, place L about midway of shoulder, and lower edge one and a half inch from back-line on waist-line; line down to waist-line for back-form; allow one-half inch each side of line for seam.

To draft the front, draw a line one and a half inch from edge of goods for lap and hem line; place the edge of chart, Fig. 1, with M parallel with lap-line; dot at N for lower part of neck; dot at 36O for upper part of neck and upper end of shoulder; dot at 36P for lower end of shoulder; at 36Q for arm-size. Take guide, Fig. 2, place F by dot made at N, Fig. 1, with circle-edge by dot made at 36O; line around for neck; place E by dot made at 36O, with edge close to dot made at 36P; line out for shoulder; allow three-fourths of an inch outside for seam. Take arm-size guide, Fig. 3, place 36R by dot made at 36Q, with edge at lower end of shoulder-seam; line around to 36S for arm-size; dot as far below the end of front arm size as the back under-arm seam is long; place guide, Fig. 2, with short straight edge parallel with lap-line, and long straight edge by dot last made. Now drop the end I one inch at lap-line, line by the long straight edge for front waist-line; dot two inches from lap-line on waist-line for edge of first dart; dot six inches above waist-line near lap-line; again, from waist-line, directly under arm-size; line by these dots. This line is to control the tops of darts. Dot on this line three and one-half inches from lap-line for top of first dart; again at six and one-half inches from lap-line for top of second dart. Take guide, Fig. 4, place T at dot made for first dart, with edge at dot on waist-line; line down to waist-line; then turn the guide directly over, allow two inches for width of dart; line down to waist-line, which forms upper part of first dart; proceed in same manner for second dart, allowing one inch between darts, and two and one-fourth inches for width of second dart; dot three inches beyond second dart on waist-line; draw a V-shaped dart by the straight edge of guide,

Fig. 2, beginning where the arm-size turns out, lining by the dot on waist-line; make the dart one and a half inch wide at top and three-fourths of an inch wide on waist-line. The one and a half inch allowed for top of V-shaped dart must be added onto arm-size. Measure the space the darts take up, (which is five inches,) dot five inches from lap-line on waist-line; place the guide, Fig. 2, with I at dot just made, and long straight edge parallel with waist-line; line out to 25U for entire length of front waist-line; place K at end of arm-size, and line to end of waist-line for under-arm seam; allow one inch outside for seam.

By means of this improvement I am enabled to obtain the exact measure of back and front

under-arm seam and length of front from neck to waist without having to measure the person with tape-line or any other rule or scale of inches heretofore used in connection with pattern-charts.

What I claim as my invention, and desire to secure by Letters Patent, is—

The series of pattern-charts and guides, Figs. 1, 2, 3, and 4, having the configuration and provided with the numbers, letters, and lines, substantially as described and shown, for the purpose specified.

EDWARD H. REEVES.

Witnesses:

M. GARDNER,  
F. B. GROFF.