J. F. WINGATE.

Dress Makers' Square.

No. 204,120. Patented May 21, 1878.

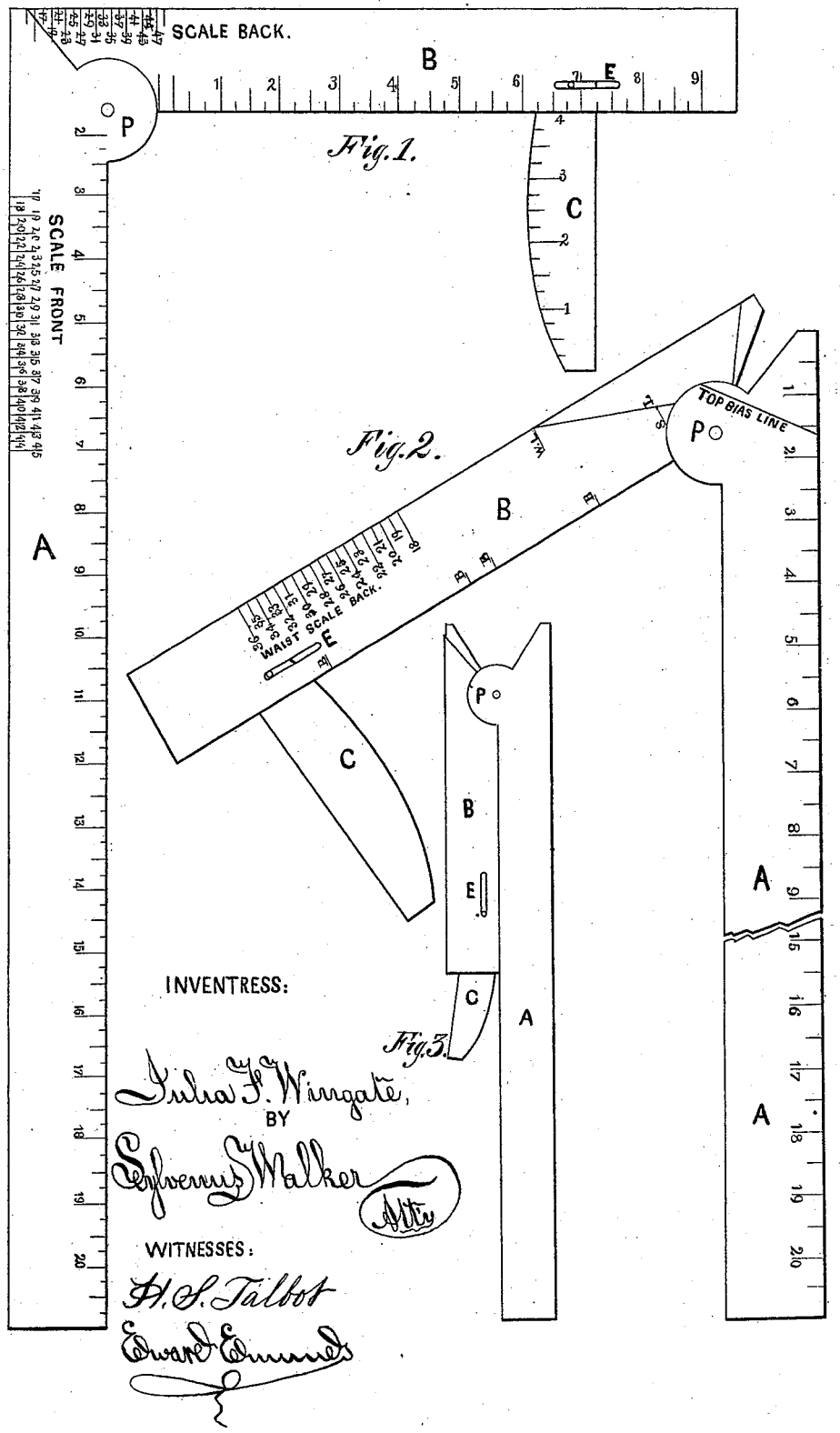

Fig. 1.

Fig. 2.

Fig. 3.

UNITED STATES PATENT OFFICE.

JULIA F. WINGATE, OF BOSTON, MASSACHUSETTS.

IMPROVEMENT IN DRESS-MAKERS' SQUARES.

Specification forming part of Letters Patent No. **204,120**, dated May 21, 1878; application filed September 29, 1877.

To all whom it may concern:

Be it known that I, JULIA F. WINGATE, of Boston, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Squares or Implements for Drafting Patterns for the Waists of Ladies' Dresses, of which the following is a specification:

The object of my invention is to provide a cheap, simple, convenient, and accurate implement which may be employed in the delineation of the several patterns or pieces by which a lady's dress-waist may be made to more perfectly fit the person, whose measures have been taken preparatory to cutting the material for the same; and it consists of the combination and arrangement of the several parts of the implement so as to be more readily and easily placed in position upon the pattern or material, so as to allow the several measures and points to be indicated and marked as a guide to draw the several lines by, whether they be straight or curved, as hereinafter more fully described and set forth.

In the accompanying drawings, forming part of this specification, Figure 1 is a plan view of my invention. Fig. 2 is a similar view of the reverse side, showing the shorter arm and tongue partially folded or closed in one position when in use; and Fig. 3 shows the same closed.

A represents the longer arm, which is graduated into inches and the usual subdivisions, and has marked thereon the word "Scale-front." To the left-hand end of this arm is jointed or pivoted, by a rule-joint, P, the arm B, which is also furnished with the usual gradations of inches and subdivisions, and is provided with a short adjustable and sliding finger-piece, C, which is pivoted to the arm B by a pin, which moves in the slot E as desired, so as to allow the straight edge of the finger-piece to be set in line with any particular gradation-mark between the figures indicating seven and eight inches on the shorter arm B, thus indicating the length of the shoulder-seam, and the adjustable movable finger-piece C, its curved side the arm size, its straight edge having the gradation-marks of inches and subdivisions, commencing at the edge of the arm B, and extending toward its outer end, as shown. This finger-piece C is constructed so as to be folded within a groove in the edge of the arm B at its outer end, so as to be below the line of the edge of the same.

Near the left-hand end or corner of the longer arm A, and commencing about three inches from the end or corner, at the outer edge from the rule-joint, I make a scale-front, consisting of a double series of figures indicating gradations of about one-eighth, or seven to the inch. These are indicated by the figures 17 to 45, successively, as heretofore.

At the adjoining corner outer edge of the shorter arm B is arranged a scale-back, commencing about two and one-half inches from the corner at the hinge end, and is graduated into spaces of about seven to the inch, and indicated by the figures from 19 to 47, representing so many inches by tape-measure, as heretofore employed.

On the reverse side of this square or implement, as shown in Fig. 2, the long arm A has the usual inch gradations and figures and subdivisions, commencing at the joint corner outer edge, while the shorter arm B has marks, (indicated by the letter B,) four in number, used in marking the biases; and upon the opposite or outer edge is a line marked "L," and one marked "W L," also a waist-scale back, graduated into spaces of about six to the inch, and indicated by figures from 18 to 36, inclusive, representing in spaces nineteen numbers or inches, as used heretofore. Across the corner of the rule-joint is marked an oblique line, called the "top bias-line." By means of the jointed parts the several measures and points are more quickly made, and when not in use permit the square to be folded for transportation.

Having thus described my invention, what I claim is—

1. The above-described dress-maker's square, consisting of the arms A B, rule-joint P, and adjustable sliding pivoted finger-piece C, constructed substantially as and for the purposes set forth.

2. The combination of the adjustable sliding pivoted finger-piece C with the arms A B of a dress-maker's square, substantially as and for the purposes set forth.

JULIA F. WINGATE.

Witnesses:
SYLVENUS WALKER,
B. P. CLEMENT.