

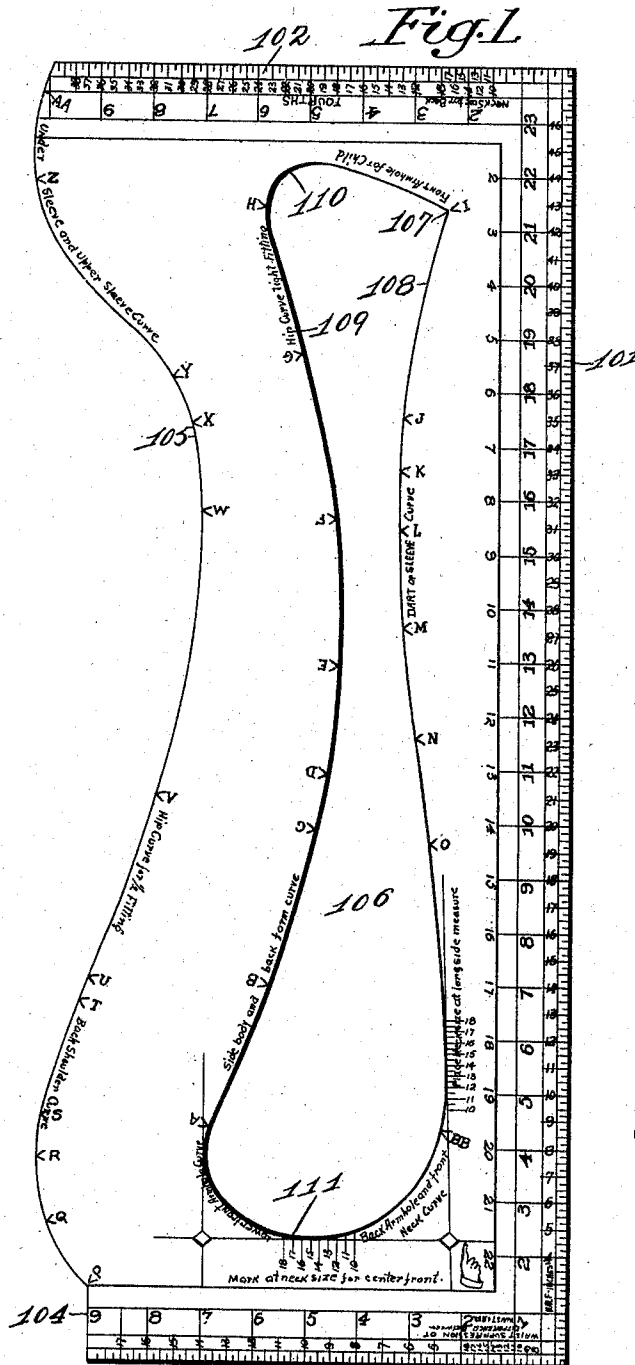
J. A. WEIDEL.
DRAFTING PLATE.

APPLICATION FILED APR. 19, 1909.

981,043.

Patented Jan. 10, 1911.

2 SHEETS—SHEET 1.



Witnesses

H. B. Stein

L. A. D. McIntyre

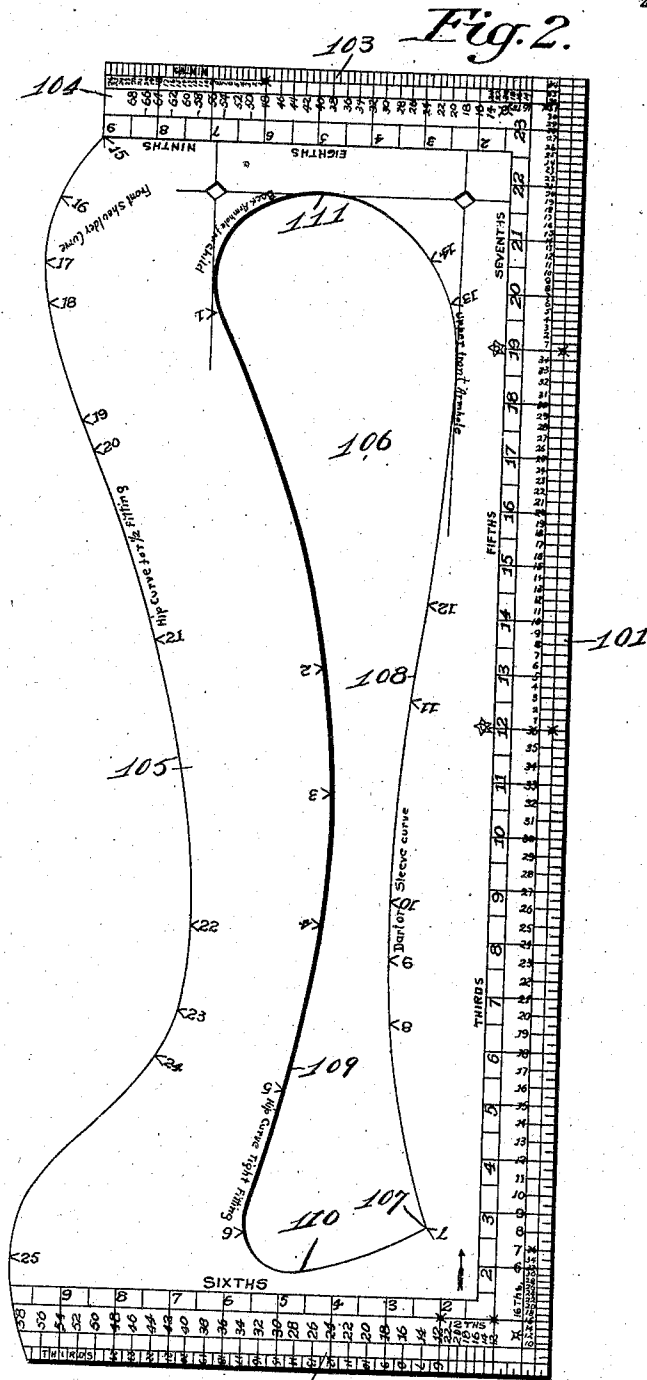
Inventor.

Joseph A. Weidel
by Hopkins & Eicks, Attys.

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UNITED STATES PATENT OFFICE.

JOSEPH A. WEIDEL, OF ST. LOUIS, MISSOURI.

DRAFTING-PLATE.

981,043.

Specification of Letters Patent.

Patented Jan. 10, 1911.

Application filed April 19, 1909. Serial No. 490,836.

To all whom it may concern:

Be it known that I, JOSEPH A. WEIDEL, a citizen of the United States, and resident of St. Louis, Missouri, have invented certain new and useful Improvements in Drafting-Plates, of which the following is a specification.

My invention relates to improvements in drafting plates for use in tailoring, and has for its object to provide in a single drafting plate all the curves necessary in drafting women's garments.

In the drawings—Figure 1 is a plan view of one side of the plate. Fig. 2 is a plan view of the reverse side of the same plate.

The plate is constructed of any suitable inflexible material, and is provided with one long straight edge indicated in the drawing by the numeral 101, and two shorter straight edges 102 and 103, at right angles to the long straight edge 101 and parallel with each other as shown. The straight edge 103, at its end farthest from the straight edge 101 terminates in the short straight edge 104, from the inner terminal end of which the irregularly curved edge 105 extends to the straight edge 102. The irregularly curved edge 105 is adapted for the cutting of front shoulder curves, hip curves, back shoulder curves, under sleeve curves, and upper sleeve curves.

The plate is provided with an approximately longitudinal opening 106, which is bounded by an irregularly curved edge having a single angle, indicated by the numeral 107. This irregularly curved edge is adapted for the cutting of dart curves, sleeve curves, upper front armhole curves, back armhole curves (in children's garments), tight fitting hip curves, lower front armhole curves, back armhole curves, front neck curves, side body curves, back form curves, and front armhole curves (in children's garments), all of these curves last named being found in the edge surrounding the opening 106, said edge being curved convexly, as indicated by the numbers 108 and 109, lengthwise, and having concave curves, as indicated by the numerals 110, 111, at its ends.

The plate thus described contains practically all of the curves required in the formation of drafting sheets for the production of women's and children's garments. Each of the straight edges and curved edges used in the plate may be divisioned upon any desired scale.

The long straight edge and the short straight edge, 102 and 103, are provided with scales indicating the inches and the fractional parts thereof, and on Fig. 1 of the drawing the long straight edge is provided with the scale numbering from each end, indicating the inch and fractional parts thereof, and on the face is imprinted the words "half-inches". The upper straight edge in this view is divided into fourths, as designated on the drawing. The opposite side of the plate, as indicated in Fig. 2, has its long straight edge divided into thirds, fifths and sevenths. The lower straight edge is divided into sixths and the upper straight edge is divided into eighths and ninths. The object of these divisions is that the operator using the plate for drafting his pattern can readily and easily shift the plate to mark on the pattern the desired fractional part of the inch that is desired, without the awkward reversal of the plate. Furthermore, the edges of the longitudinal opening 106 are connected at their ends by curves so shaped as to form the various cuts desired to formulate the front arm-hole for a child's garment, the back arm-hole for a child's garment, the upper front arm-hole, the hip curve, tight-fitting; the lower front arm-hole curve, the back arm-hole curve, and the front neck curve. In cutting out these several portions of the garment, the plate can be readily and easily shifted to provide the complete curve without reversing the plate several times in order to complete one curve.

Having thus fully described my invention, what I claim as new and desire to have secured to me by the grant of Letters Patent, is:

In a drafting plate having a single long graduated straight edge; a short graduated straight edge at one end and at right angles thereto, an under and upper sleeve curve starting at the top of the short straight edge and extending toward the opposite end of the long straight edge, a hip curve for half fitting joined to the end of the sleeve curve, a back shoulder curve joined to the hip curve and a graduated straight edge joining the back curve to the long straight edge and at right angles thereto, a longitudinal cut in the inner portion of the plate, its edges forming a dart or sleeve curve along the long straight edge, a front arm hole for child curve along one of the short edges, a hip curve for tight fitting joined to the arm hole for child curve,

a side body and back form curve joined to
the hip curve and located opposite to the
dart or sleeve curve, a lower front arm hole
curve joined to the side body and back form
5 curve and a back arm hole, and front neck
curve joining the lower arm hole and dart
or sleeve curves, substantially as described.

In testimony whereof, I have signed my
name to this specification, in presence of two
subscribing witnesses.

JOSEPH A. WEIDEL.

Witnesses:

ALFRED A. EICKS,
WALTER C. STEIN.