

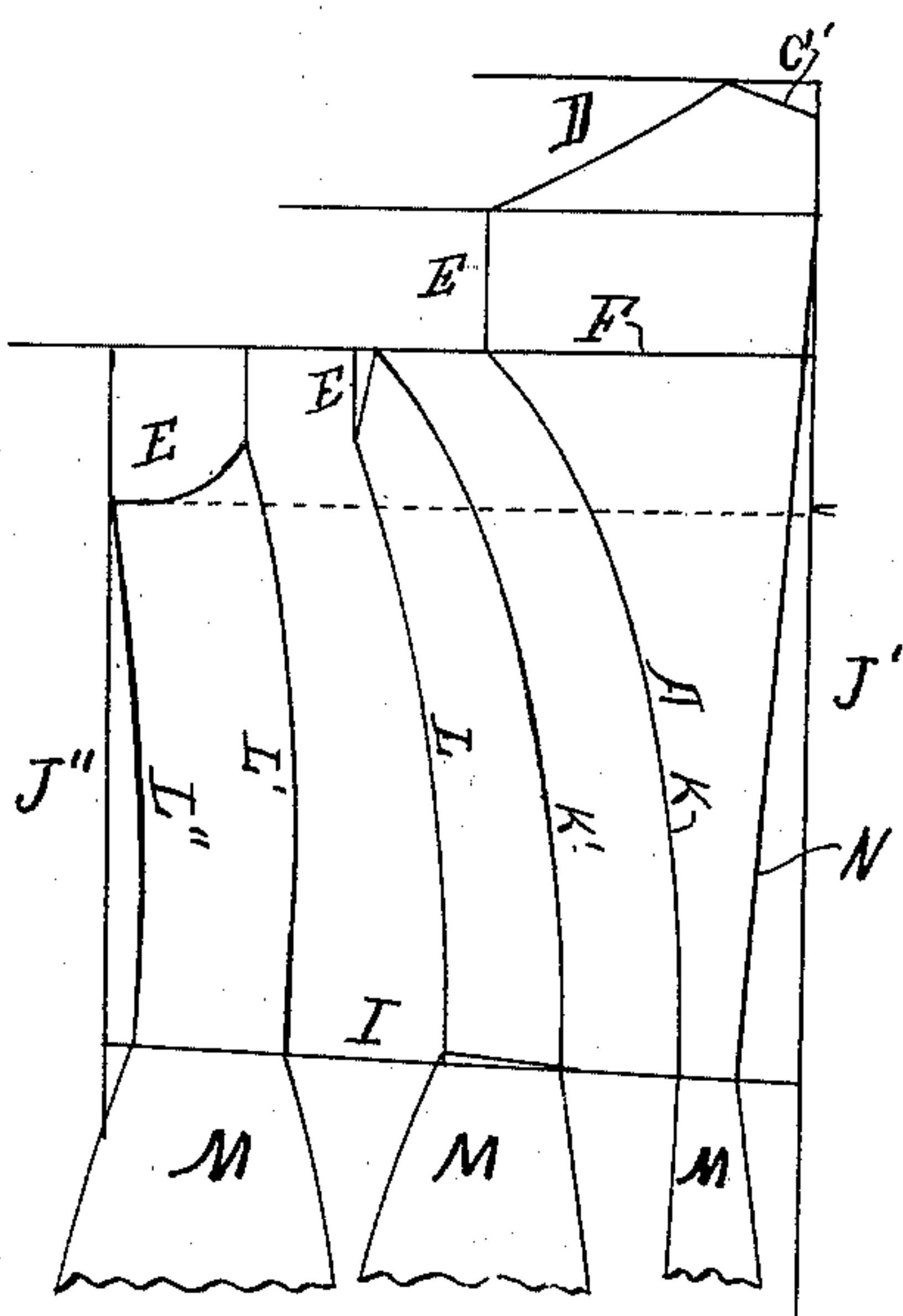
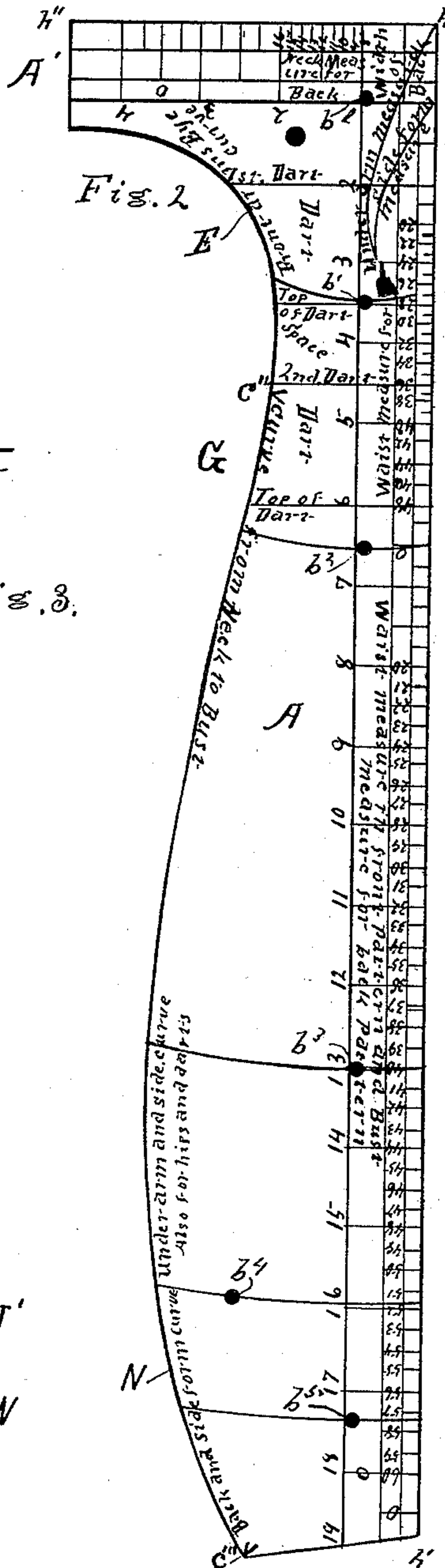
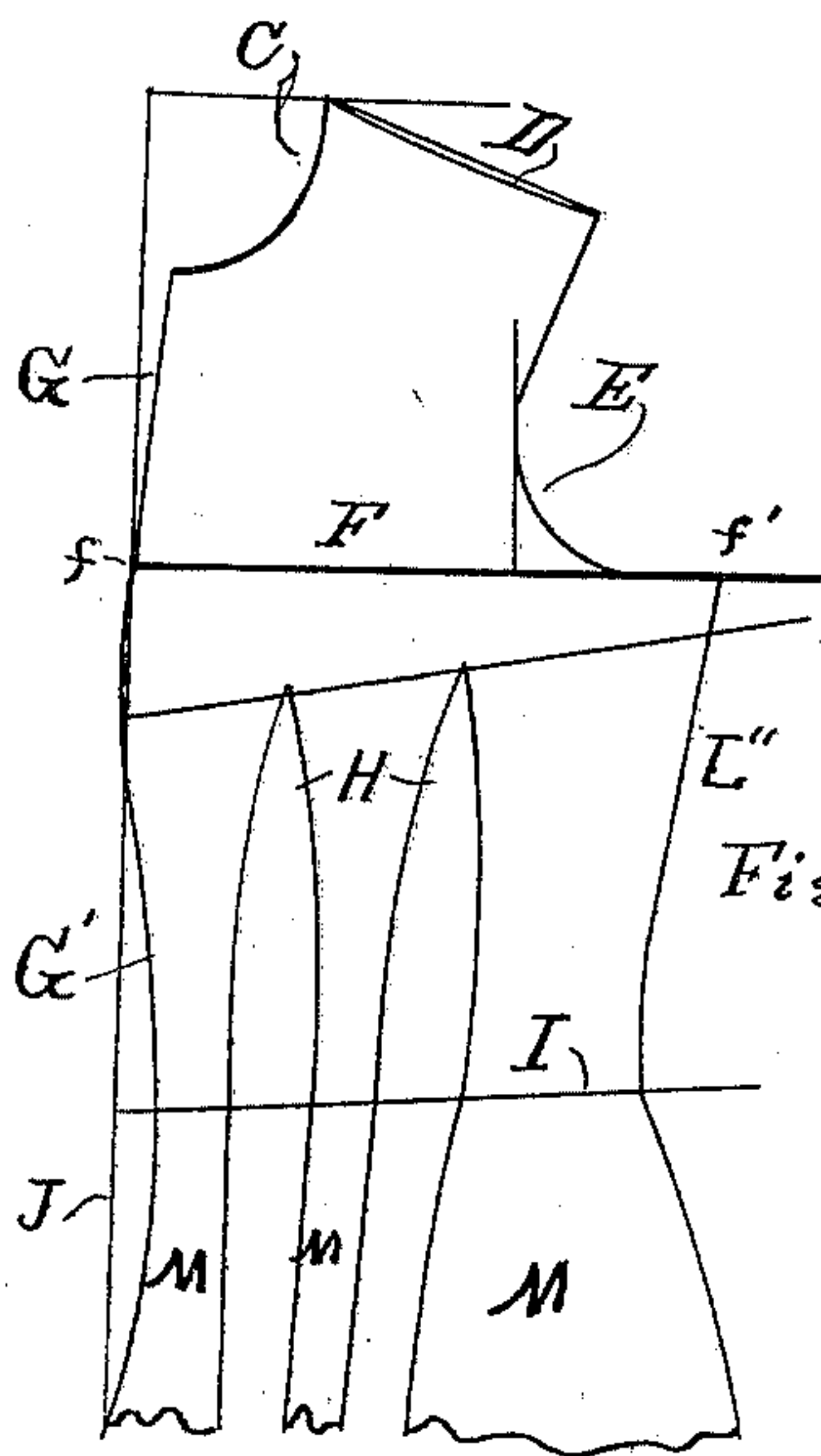
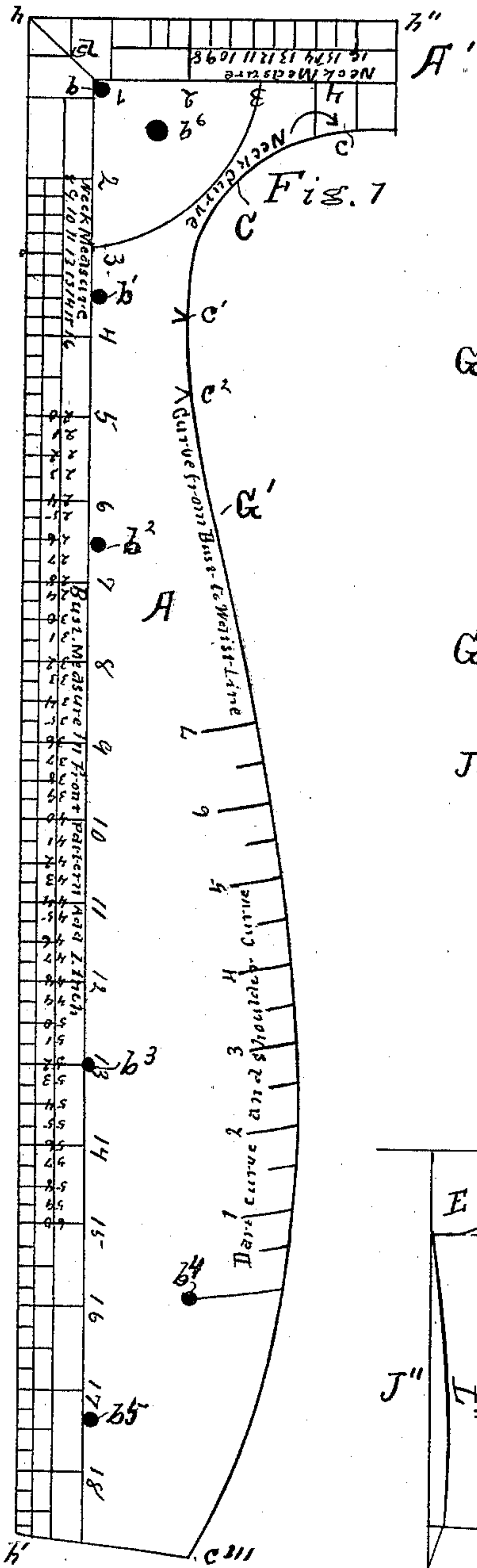
No. 613,095.

Patented Oct. 25, 1898.

J. R. VAN DAME.
TAILOR'S SQUARE.

(Application filed Oct. 28, 1896.)

(No Model.)



Witnesses.

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UNITED STATES PATENT OFFICE.

JOHN R. VAN DAME, OF GRAND RAPIDS, MICHIGAN.

TAILOR'S SQUARE.

SPECIFICATION forming part of Letters Patent No. 613,095, dated October 25, 1898.

Application filed October 28, 1896. Serial No. 610,361. (No model.)

To all whom it may concern:

Be it known that I, JOHN R. VAN DAME, a citizen of the United States, residing at Grand Rapids, in the county of Kent and State of Michigan, have invented certain new and useful Improvements in Tailors' Squares, of which the following is a specification.

My invention relates to improvements in squares for use in cutting and fitting dresses and robes for ladies' wear; and its objects are, first, to provide a square with which the several curves in a dress pattern may be accurately laid out from actual measure, and, second, to provide a square with which the collars and cuffs of a garment may be readily and accurately laid out without changing any portion of the square. I attain these objects by the peculiar construction of the square illustrated in the accompanying drawings, in which—

Figure 1 is a plan of one side of the square. Fig. 2 is a plan of the reverse side; and Figs. 3 and 4 show the curves, respectively, necessary to form the front and back of a waist. Similar letters refer to similar parts throughout the several views.

I construct my square with one edge, as h h' , straight and a right-angled tongue, as h h'' . I divide the straight edge of my square into inches—"1," "2," "3," "4," "5," "6," &c.—and on one side, as in Fig. 1, I subdivide into halves and quarters, and beginning at the five-inch mark I number it by quarter-inches from "20" to "60" for measuring the bust-line after having obtained it by any available means, as a tape-line, &c. Thus, considering F the bust-line, the end h of the square placed at f the distance to f' will be indicated by the figures resting at this point in quarter-inches. The body and tongue are divided and numbered in quarter-inches between the lines of two and four inches, ranging from "8" to "16" to indicate the neck-measure. (See the curve extending from "3" to "3" and the words "Neck measure.") This curve is laid out from the point a in the corner of the square, and may be varied to be struck upon the radius described by any pair of these numerals to correspond with the variable sizes of various necks.

The neck-curve (indicated at C in Fig. 3) is laid out by the curve in the angle of the

square between the letters c c' , as indicated by the words "Neck curve" in Fig. 1. The front arm-sceye curve (indicated at E in Fig. 3) is also laid out with this same curve in the square reversed, as indicated at E in Fig. 2.

G in Fig. 3 indicates the curve from neck to bust-line, and is laid out by the corresponding curve (indicated at G in Fig. 2) from the point c'' to a distance toward the end c''' of the square required by the form to which the dress is being fitted. The same curve on the square, (indicated by G' in Fig. 1,) commencing at c^2 , forms the curve from the bust to the waist line.

The curve from c''' toward the head of the square is so formed that with it the back side-form curve A , the back-curve N , K , and K' may be laid out therewith; also, the under-arm and side-form curves L and L' and the under-arm curve L'' and the gore-curves H and hip forms M , all as indicated by the printed directions upon the square.

J is the base-line from which to lay out the front of a waist pattern, and J' and J'' are the same for laying out the back of a waist pattern.

It will be noticed that the straight edge of the square is in Fig. 2 arranged numerically in eighths and quarters to obtain the waist-measure in front pattern and bust-measure in back pattern, also waist-measure for under-arm measure and for side-form measure, as indicated by the printed directions near the tongue of the square.

D in Fig. 3 represents the shoulder-curve, which may be laid out by the portion of the square on the scale indicated by the numerals "1" to "7" on the curve edge of Fig. 1, and C' is the back of the neck.

With the square pivoted at b and a pencil applied at b' the neck-curve may be formed. With pencil at d^2 the ripple collar may be formed. With two pencils, one at b^3 and one at b^5 , the cuff may be formed, and with one at b^4 and one at b^5 the collar will be formed, and a cape may be laid out with one pencil at b^5 .

The laying out of the darts is indicated on the square by the lines marked "1st dart, top of dart," and "2nd dart, top of dart."

The aperture b^6 is simply for convenience in hanging the square up.

Having thus fully described my invention,

what I claim as new, and desire to secure by Letters Patent of the United States, is—

The combination, in a tailor's square, having the outer edges of the tongue and body
 5 at right angles; with a graduated scale extending by quarter-inches from "20" to "48," thence a space of two inches and a registered index by quarter-inches from "20" to "60" and a space, the opposite side non-registered for
 10 two inches from the point of angle, thence registered by quarter-inches from "8" to "16," thence a space of one inch, thence a register by quarter-inches from "20" to "60," thence a space indexed but not registered to the end,
 15 the inner curve formed so that the neck-curve and front arm-sceye curve register from the same points in the angle of the square, thence on one side dart-curves and curve from neck

to bust, on the other side the curve from bust to waist, thence on one side the under-arm, side- 20
 hip and dart curve, the other side registered by half-inches from "7" to "0" for shoulder-curve and dart-curve, thence on one side a back and side-form curve to the end, the opposite side blank, the tongue indexed in 25
 eighth and quarter inch spaces for neck-measure, and apertures at intervals through the body of the square for laying out collars, &c., substantially as and for the purpose set forth.

Signed at Grand Rapids, Michigan, October 30
 7, 1896.

JOHN R. VAN DAME.

In presence of—

MABELLE W. JONES,
 ITHIEL J. CILLEY.