

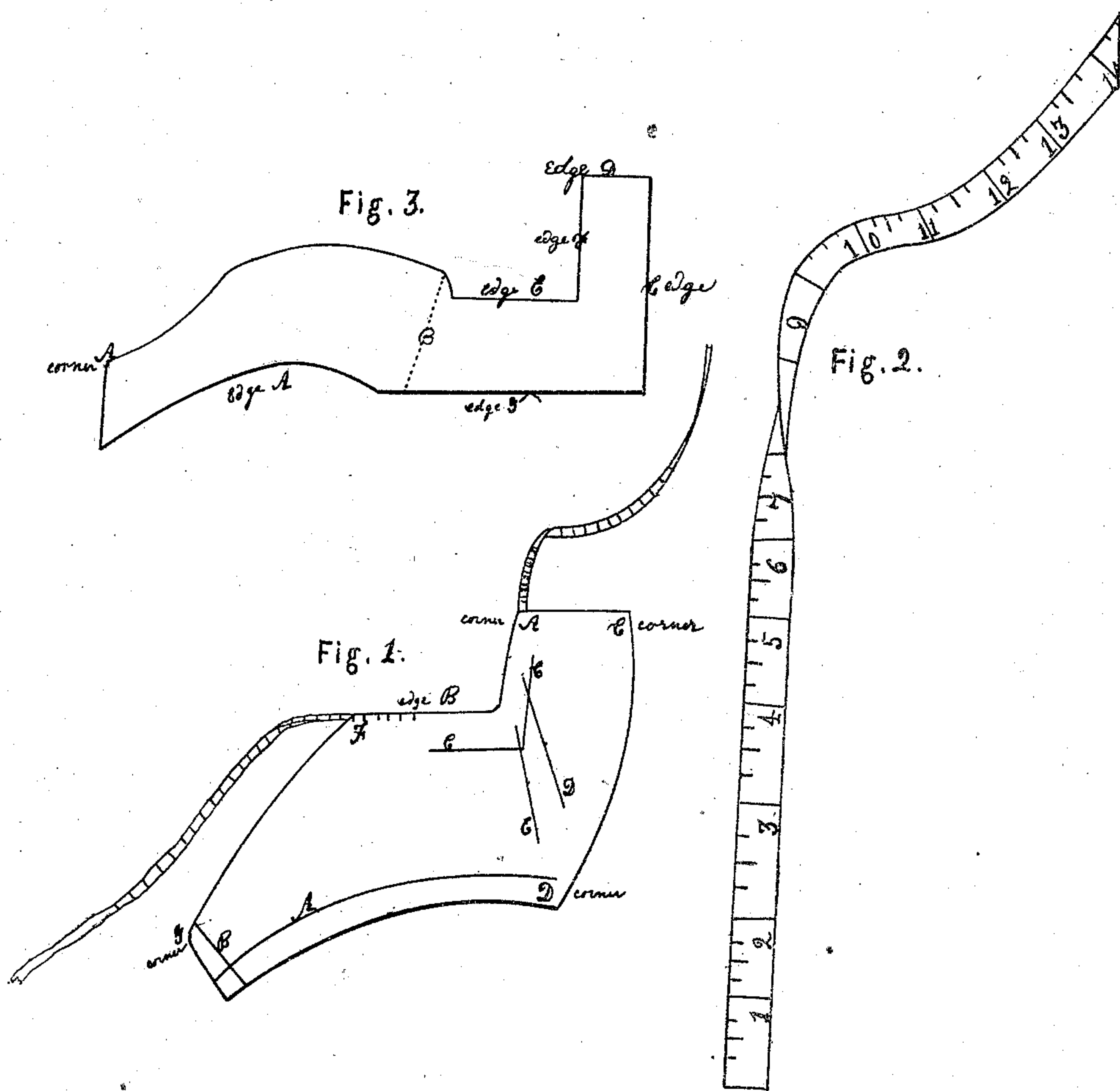
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H. Isham.

Tailoring.

N^o 3603.

Patented May 30. 1844



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Fig. 1.



Fig. 2.



UNITED STATES PATENT OFFICE.

HENRY ISHAM, OF MONTPELIER, VERMONT.

TAILOR'S MEASURE.

Specification of Letters Patent No. 3,603, dated May 30, 1844.

To all whom it may concern:

Be it known that I, HENRY ISHAM, of Montpelier, in the county of Washington and State of Vermont, have invented a new and Improved Mode of Measuring for and Drafting to Cut Garments; and I do hereby declare the following is a full and exact description.

The nature of my invention consists in applying the measures hereafter described in such manner as to find by the rules hereinafter stated the shape of a piece of cloth or other substance that will fit or cover smoothly the body measured when made into a garment.

To enable others skilled in the art to make and use my invention, I will describe its construction and operation.

I measure the person as is the custom according to fashion, length of waist and skirt, length of arm and elbow, and length from the top of back seam or socket bone over the breast to the bottom of lapel and from top of back seam front or next to front of arm to the spot on the side at the hip where I wish to have the waist seam pass around; measure width of back, around the scye, around the arm, around the breast and waist.

Plate 2, Figure 1 of the accompanying drawings, represents nearly my measure which I denominate "first measure." This may be made of any substance that is not elastic or too much so; the shape is not material, so it is large enough to receive lines A, B, C, D, E, and corner F. I make it of cloth with inch measures attached at corner A, and edge B.

Fig. 2 represents the second measure, which may be a common tape measure as represented, made of tape, and painted and varnished so as to be firm like pasteboard.

Fig. 3 represents my third measure, which should be made of cloth, shaped as in the figure, from 20 to 23 inches long and from 2 to 4½ inches wide—the arm of the square, as represented in the figure, to be 4 inches long; make a notch in edge G, which edge should be straight, and the edges C, and F, at right angles with edge E, and edge E, parallel with edge G; from line B, to edges C, and D, the measure should be lined with pasteboard or leather to make the part firm so that the angle can be used to advantage.

I let the person button close the coat or garment that is on him, turn up the collar

out of the way, then place the first measure on the body, edge B, (Plate 1, Figs. 1 and 2) 1 inch below the scye, and corner A, 1 inch front of the scye; with a pin make it fast to the person at corner A, and at corner C, lay the measure close to the body, smooth, around and past the back seam; place a pin at corner G, one at corner D, as represented in Pl. 1, Figs. 1 and 2. I then place the 2d measure around the waist over the 1st measure as in Pl. 1; when it is directly around the waist and horizontal I hold it with one hand and with chalk in the other mark on 1st measure by top edge of 2d measure from front or D, around past the back seam, Fig. 1 Pl. 1, which chalk marks will make on 1st measure the line A, as seen on Fig. 1 Pl. 2. On 1st measure where it covers the back seam I mark line B, as represented in Fig. 1 Pl. 2. I then place 3d measure with edge E, under the arm where I wish to have the bottom of the scye, and edge F, front of the scye, as in Fig. 2 Pl. 1; then mark on 1st measure by edges C, and G, on said 3d measure the lines C, C, as in Pl. 2 Fig. 1, where they appear. I then place the 3d measure on the shoulder, as in Figs. 1 and 2 Pl. 1, the edge A, to rest at the place where the scye-seam should be; let the edge A, cover point 5; let it be around the front of armhole and breast as I wish a garment to fit, letting the end rest on the 1st measure where it will; hold it there and mark on 1st measure by edge G, and at the notch, which makes line D, on 1st measure. I then place the corner A, of the 3d measure at the top of back seam or 1 Fig. 1, Pl. 1, carry it around as in Fig. 2 Pl. 1; let it rest as before on 1st measure; when there mark by edge G, and at the notch line E; these marks appear on 1st measure as represented on Fig. 1, Pl. 2. I then measure from the top of back seam or 1 to the point where line A, crosses the back seam, and denominate it No. 1; then with the measure at corner A, on 1st measure measure to 1 or top of back seam Fig. 1 Pl. 1, and call this No. 2; then over the shoulder at the scye around to F, on 1st measure for No. 3; then to the point where line A, crosses, for No. 4; then with the other inch measure at edge B, measure from under the arm to top of back seam for No. 5; then to center of back, or 4, Pl. 1 Fig. 1 for No. 6.

I draft my coat or garment in the follow-

ing manner: Plate 3 Fig. 1 draw line B and at right angles with it line C. On line B, measure the length of the 1st No., and at the point of termination of said length
 5 draw line A, at right angles with line B; from line A to line D, is the length from line A, on 1st measure to the scye—(being the dotted line O, on Plate 3 Fig. 2); from line D, to line E is one-half of the diameter
 10 of the scye. I then form the rest of the back as represented or according to fashion or directions. I then lay 1st measure on the cloth, as represented in Plate 3 Fig. 2, laying the back on the cloth, so that line A,
 15 on the back and line A, on 1st measure shall together form part of a circle, marking line A, on the cloth under the measure to correspond with line A, on the measure and back, having the back seam one-fourth of an inch,
 20 from and parallel with line B, on 1st measure; then mark for the side seam below the shoulder blade as in Pl. 3 Fig. 2. With the measure at edge B, measure to 4 on back the 6th No. and alter the side seam at shoulder blade accordingly; then from edge B,
 25 to top of back seam, back lying as represented, making the length of the side seam on forepart the same above line A, as it is on back above line A. I then lay 3d measure on
 30 1st measure edges G, and C, at lines C, C, on 1st measure and mark for front and bottom of scye; lay 3d measure, edge G, at line D, on 1st measure and at edge A, on 3d measure, mark upper part of scye; then
 35 lay 3d measure on line E, and mark around corner A, 3d measure; then with inch measure at A, measure on the scye seam toward H, No. 3, subtracting the distance from F, to G; place the G corner of back at the line
 40 near H, as represented, from A, on 1st measure to top of back seam, No. 2, which will form shoulder A; lay the back 1 or top of back at the mark made around corner A, on 3d measure, and form shoulder B, as rep-

resented; mark the shoulder to cut half-way 45 between the two as represented by shoulder C; from 1 on back to 4 at waist seam apply the measure taken, allowing for seams; from 1 on back to II the measure taken form the fore part according to fashion and measures 50 commonly taken. Plate 4, Fig. 1, draw line B; at right angles draw line C; from 1 to 2 is the width of back at waist; from 1 to 3 the distance from 2 to 4 Pl. 3, Fig. 2. Suppose from 1 to 2 Pl. 3 Fig. 2 to be 3 55 inches, and from 3 to 4 $1\frac{1}{2}$ inches, then Pl. 4 Fig. 1 from 3 to 4, $1\frac{1}{2}$ inches, I form skirt as I wish. If line A, passes directly around the body, then a square piece of cloth fastened at line A, would hang square around 60 the bottom, if it was fulled in at the waist as the skirt of a coat; therefore as the waist seam from line A, and width of back differ, so different I cut my skirt. Plate 4, Fig. 2, draw lines A and B; from 1 to 2 is half the 65 scye measure or circumference; from 2 sweep line C; with the same measure, center at 3, sweep line D; form the rest of the sleeve according to measure and fashion or as represented in Pl. 4 Fig. 2, the under 70 part of scye being one-half the scye measure, and from 5 to 6, 4 inches, line E, should be distant from line B, the diameter of the scye lacking 1 inch when the scye is $14\frac{1}{2}$ inches in circumference. 75

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

1. The combination of the three above described measures for the purpose described. 80

2. And also the first and third measures above described for the use and purpose described.

HENRY ISHAM.

Witnesses:

F. F. MERRILL,
 HOR. H. REED.