



# United States Patent Office.

JOHN MALNIGHT, OF GRASS LAKE, MICHIGAN.

*Letters Patent No. 71,192, dated November 19, 1867.*

## IMPROVEMENT IN SYSTEM OF MEASURING AND CUTTING OUT DRESSES.

*The Schedule referred to in these Letters Patent and making part of the same.*

### TO ALL WHOM IT MAY CONCERN:

Be it known that I, JOHN MALNIGHT, of Grass Lake, in the county of Jackson, and in the State of Michigan, have invented certain new and useful Improvements in a System of Cutting Ladies' Dresses; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

This model and scale is drawn three times reduced from its natural size, as follows: Thirty-six inch breast, twenty-four waist, fifteen and a half inch back, length from top of neck to bottom of waist; fourteen inch width of back, sixteen inch width of breast from side to side, and seven and a half inch length of side body-seam.

#### *Directions for Measuring.*

Take inch tape and apply to joint of neck, and bring it down to bottom of waist, fifteen and a half inches; second, apply tape close up under the arm, bring it down to bottom of waist or hip, seven and a half inches; third, from size across the back to size, fourteen inches; fourth, also across the breast, sixteen inches; fifth, apply tape below the arm around the chest, thirty-six inches, and also round the waist, twenty-four inches.

#### *Directions how to Draught.*

Select the scale corresponding with the breast measure. (The scale has the sizes printed on the ends.) First, draw line A down to B, and mark length of back, say fifteen and a half inches, or whatever it will be; then draw line across from A to C, that is, one-half of the breast measure, eighteen inches, and also from B to D, and also draw line down from C to D. Now the outside lines are completed. Next, then, apply tape at B, and mark upon line A length of side body-seam, say seven and a half inches, and the same also from D to F, and draw line across from F to E; then take scale corresponding with breast measure and go out on top from A to G, one division, and in one division at bottom of waist, from B to H, and draw line down from G, as represented on diagram; then apply scale from E to X on line E, six and a half divisions, make a dot, then lay on tape measure and mark width of back, say seven inches. If the width of back and the six and a half divisions do not agree, divide the difference and mark three and a half divisions, from I to K, also up from I to M, four divisions; the same up from K to L, and across top from L to M, three and a half divisions, and finish the size square, as represented on diagram. Then mark in from M to P, one and a quarter division; also in from I on centre line, and draw line down from N to O. Next mark down from top of back, one-quarter division, in line G, and across to your right from G, two divisions, and up from two and a quarter divisions, and from top of back, as represented. Next go down from P to star, one and three-quarter division, and down at the centre, a half division; and from back size go back from O to R, two and a half divisions; and from side seam, in consequence of going down a half division at bottom of size, the same must be added at the bottom of waist. Next, then, allow in front of the half of breast measure one and a-half division, and draw down line S; go in on top of line S to C, two divisions, and down from C a half division make a mark, and go down on line S three and a half divisions, and up at P one and a half to star, and draw shoulder line. Now form neck, shoulder, seam, and size. Allow at line S, at the bottom of front of waist, one division, mark dart, as represented, or suit your own taste, and pattern is finished.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The within-described system of cutting dresses, as set forth.

In testimony that I claim the foregoing invention, I have hereunto set my hand and seal this 10th day of May, 1867.

JOHN MALNIGHT. [L. s.]

Witnesses:

H. S. SMITH,

WM. WINEGAR.