

W. H. NULL.

Quilting-Attachments for Sewing-Machines

No. 155,886.

Patented Oct. 13, 1874.

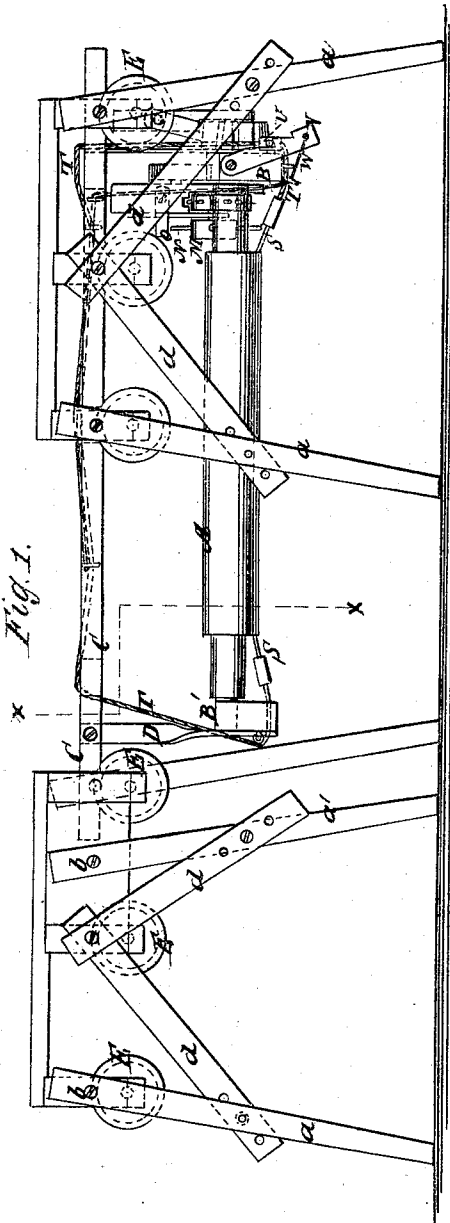


Fig. 1.

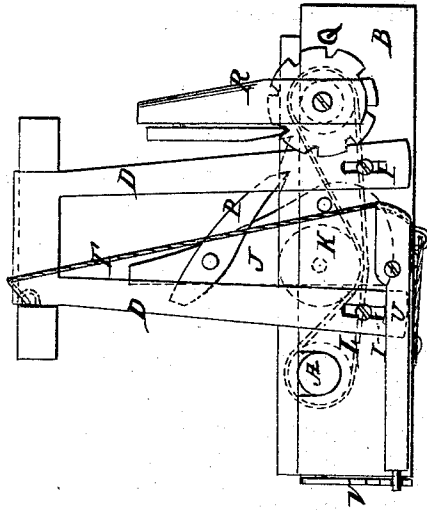


Fig. 3.

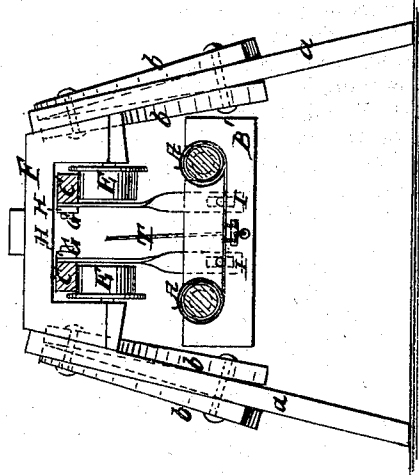


Fig. 2.

WITNESSES:

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BY

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UNITED STATES PATENT OFFICE.

WILLIAM H. NULL, OF BLANDINSVILLE, ILLINOIS.

IMPROVEMENT IN QUILTING ATTACHMENTS FOR SEWING-MACHINES.

Specification forming part of Letters Patent No. 155,886, dated October 13, 1874; application filed July 3, 1874.

CASE B.

To all whom it may concern:

Be it known that I, WILLIAM H. NULL, of Blandinsville, in the county of McDonough and State of Illinois, have invented a new and Improved Quilting Attachment for Sewing-Machines, of which the following is a specification:

The invention will first be fully described, and then pointed out in the claim.

Figure 1 is a side elevation of my improved quilting attachment. Fig. 2 is a transverse section, taken on the line *x x* of Fig. 1; and Fig. 3 is an end elevation of the quilting-roller frame and its adjuncts, and its suspending apparatus.

Similar letters of reference indicate corresponding parts.

A represents the quilting-rollers, which have bearings at each end in the beams B B', which are suspended from the movable frame C by the hangers D. The frame is mounted on the wheels E, which are arranged upon the under side of the benches F, so that the hangers drop between them suitably for carrying the quilting-rollers along the sewing-machine without interference by the wheels. The quilting-rollers are arranged in beam B', so that they can be readily lifted out of their bearings, and the hangers of that beam are so pivoted to the frame C, at their upper ends G, that the beam can be readily swung up to pass over the head of the sewing-machine to allow of passing one of the quilting-rollers under the arm and behind the needle-bar and presser. The hangers are slotted at the lower ends I, where they bolt onto the beams to allow of shifting the beams on them from time to time to level the quilt to the sewing-machine plate, as the rolls change in size by rolling the quilt off from one and onto the other. The friction is applied to the quilt-rollers by the lever J, tightening-pulley K, and belt or chain L, and the pulley has teeth or points working in the links of the chain or in holes in the belt, and also has a dividing or spacing wheel, M, on its axis to govern the shifting of the quilt on the rollers for graduating the

spaces between the seams, by means of arms N on the wheel, and a stop spring, O, for arresting and holding the wheel. The pressure of the tightening-pulley on the belt is maintained by a holding-pawl, P. The quilt is drawn off from one roller and wound on the other by the ratchet-wheel Q, and ratchet-lever and pawl R. The quilt is stretched lengthwise of the seams by the hooks S, cords T, and lever U, the cords being arranged in guides on the frame pieces C to run from the quilt to the lever, and connected to it on opposite sides of the axis, so that by one and the same movement of the lever the quilt is stretched both ways. A catch, V, is arranged with the lever to hold the cords taut, and a trip-cord, W, runs from the catch along the frame C to *x*, for tripping the lever from that position. The legs *a* are pivoted to the benches at *b*, so as to fold up to pack away, and they are held in working position by the adjustable braces *d*, which are contrived to fasten them more or less distant from each other, and thus regulate the height of the benches. The legs of each side are also contrived in different planes to facilitate the folding of them without interfering one with another. One of the legs, *a'*, is placed a little short of the end of the bench to afford the operator access to the sewing-machine.

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

1. The quilting-rollers, arranged to be lifted out of the bearings in beam B', and the hangers D, arranged to swing the beam over the sewing-machine to pass a roller under the sewing-machine arm, substantially as specified.

2. The friction belt or chain L, tightening-pulley K, regulating-wheel M N, and spring-arm O, combined with the quilt-rollers, substantially as specified.

WILLIAM H. NULL.

Witnesses:

R. C. UNDERWOOD,
W. F. McVEY.