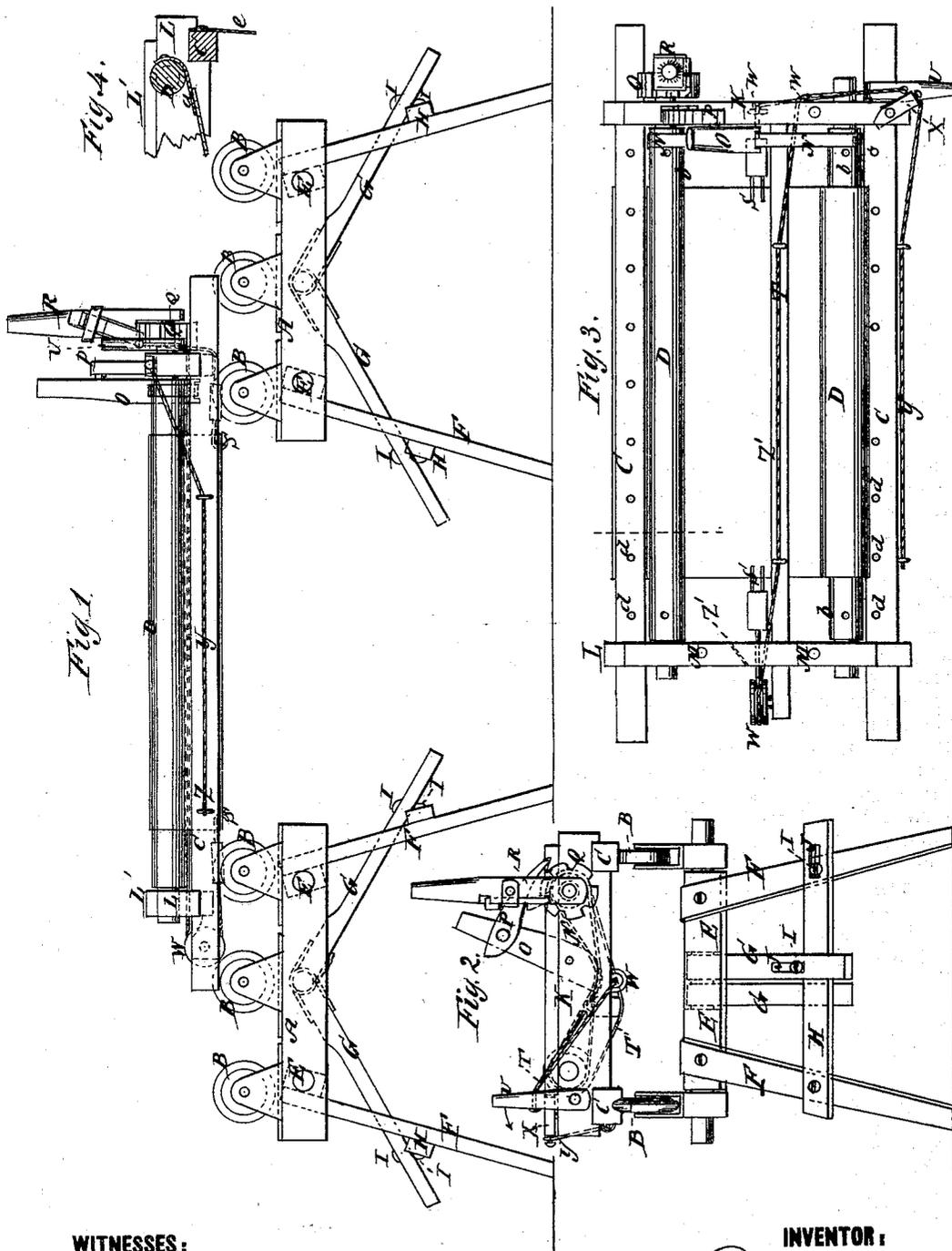


W. H. NULL.

Quilting-Attachments for Sewing-Machines

No. 155,885.

Patented Oct. 13, 1874.



WITNESSES:

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WILLIAM H. NULL, OF BLANDINSVILLE, ILLINOIS.

IMPROVEMENT IN QUILTING ATTACHMENTS FOR SEWING-MACHINES.

Specification forming part of Letters Patent No. **155,885**, dated October 13, 1874; application filed July 3, 1874.

CASE A.

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 claims.

Figure 1 is a side elevation of my improved apparatus, arranged in working condition. Fig. 2 is an end elevation; Fig. 3 is a plan view, and Fig. 4 is a detail section on the line *x x* of Fig. 3.

Similar letters of reference indicate corresponding parts.

A represents the benches, on which are wheels or rollers for the frame-pieces C, which carry the quilt-rollers D, and the adjusting apparatus, to run on one set of the wheels, being angular on the face, and the frame-piece having an angular groove to run on them for guiding the quilt. These benches I now propose to make with revolving cross-pieces E, having the legs F attached to them, so as to fold up between the pieces A, and I provide pivoted braces G, and detachable cross-bars H, for holding them in the working position by bolts I, arranged in slot-holes J, for adjusting the legs toward and from each other, to vary the height of the quilt to adjust it to the machine, and to set the benches so that the frame will descend a little to facilitate the feeding. The quilt is attached to the rollers D, which are mounted in cross-pieces K L, the latter being made in two parts, to be opened to pass one of the rollers inside of the head or the stationary arm of the sewing-machine, and it is fastened together by the bar L' and bolts M. The rollers are held against turning by a friction-band, N, lever-brake O, and holding-pawl P, and one roller has a ratchet, Q, and ratchet-lever R, and pawl for turning it to draw the quilt from one to the other as the work progresses. The quilt is to be stretched in the direction of the seams by the hooks S, cords T, and lever U, the cords passing over suitable guides W, to be operated alike by the lever to stretch evenly at both ends, and the lever being provided with

a catch-button, X, to hold it when pulled back to stretch the quilt. A trip-cord, Y, is connected to the catch-button, and extended along the frame to the point Z, where it is fastened, to be in reach of the operator for releasing the lever. Z' is a bar under which the quilt is stretched to hold it on the sewing-machine plate. The rollers have a strip of cloth, *a*, fastened on them, for pinning on the cloth to begin with, and they have pin-holes *b* near the end, and the frame-pieces *c* have holes *d* at suitable intervals, for holding the rollers by pins inserted in said holes when pinning or tacking the cloth sheets together, to cause them to roll even as they are wound on the rollers preparatory to the quilting, one of the rails being detached from the frame and placed parallel with the other as far apart as the width of the cloth, and the rollers being temporarily laid across from one to the other of the rails at the ends, so as to roll toward each other and meet at or near the middle, rolling the cloth about the same on each; but it may all be rolled on one, if preferred.

When the cloth is stretched between the frame-pieces C and the quilt-rollers, preparatory to attaching it to the rollers, it is also temporarily attached to the cloth *e*, on the frame-pieces, to hold it square for attaching to the rollers.

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

1. The revolving cross-pieces E, adjustable legs F, braces G, and cross-bars H, combined and arranged in the benches, as described, for adjusting and holding the benches.

2. The combination of the friction-band N, brake-lever O, and holding-pawl P, with the quilt-rollers, for regulating the tension of the quilt, substantially as specified.

3. The stretching-hooks S, cords T, lever U, and guides for the cords, combined and arranged to stretch the quilt simultaneously at both ends, substantially as specified.

WILLIAM H. NULL.

Witnesses:

R. C. UNDERWOOD,
W. F. MCVIEY.