

(No Model.)

J. E. BEATY.

QUILTING FRAME FOR SEWING MACHINES.

No. 276,337.

Patented Apr. 24, 1883.

Fig. 1.

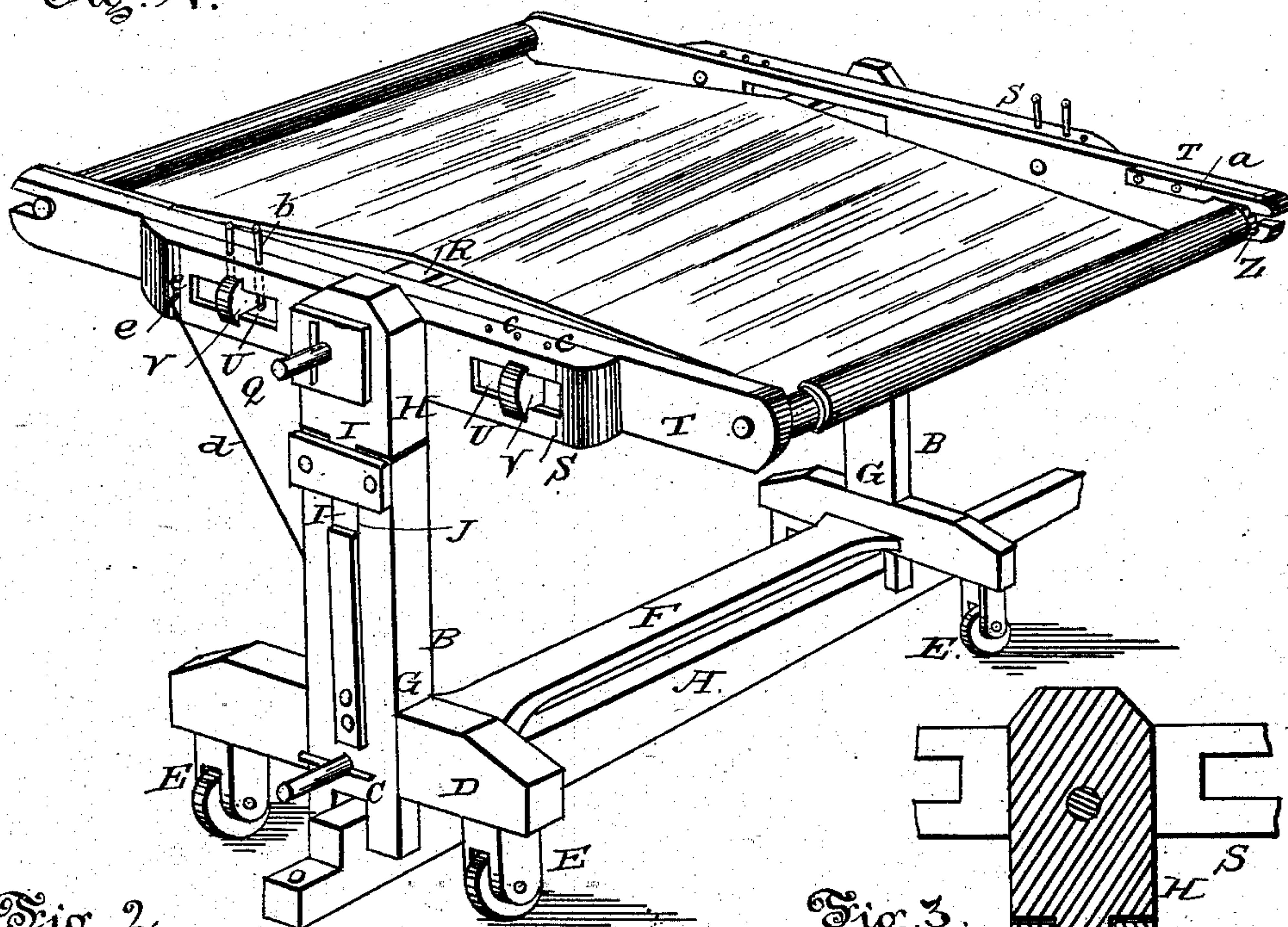


Fig. 2.

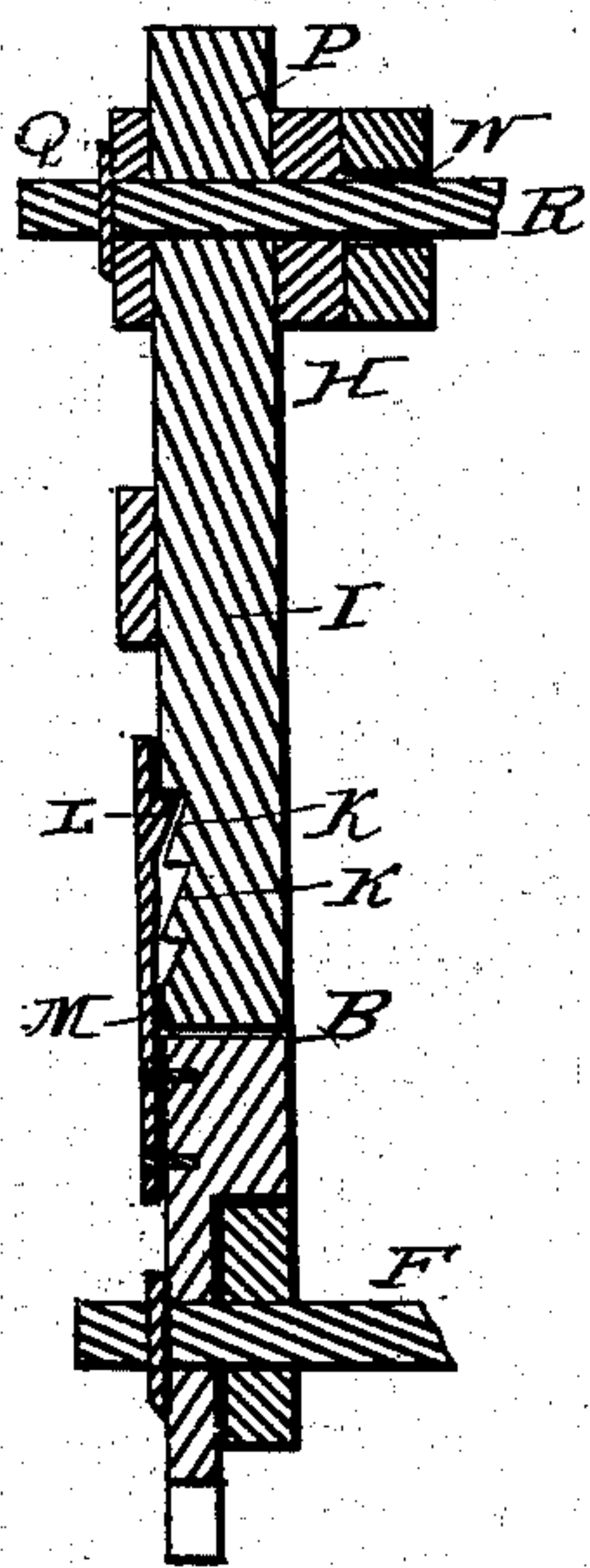


Fig. 4.

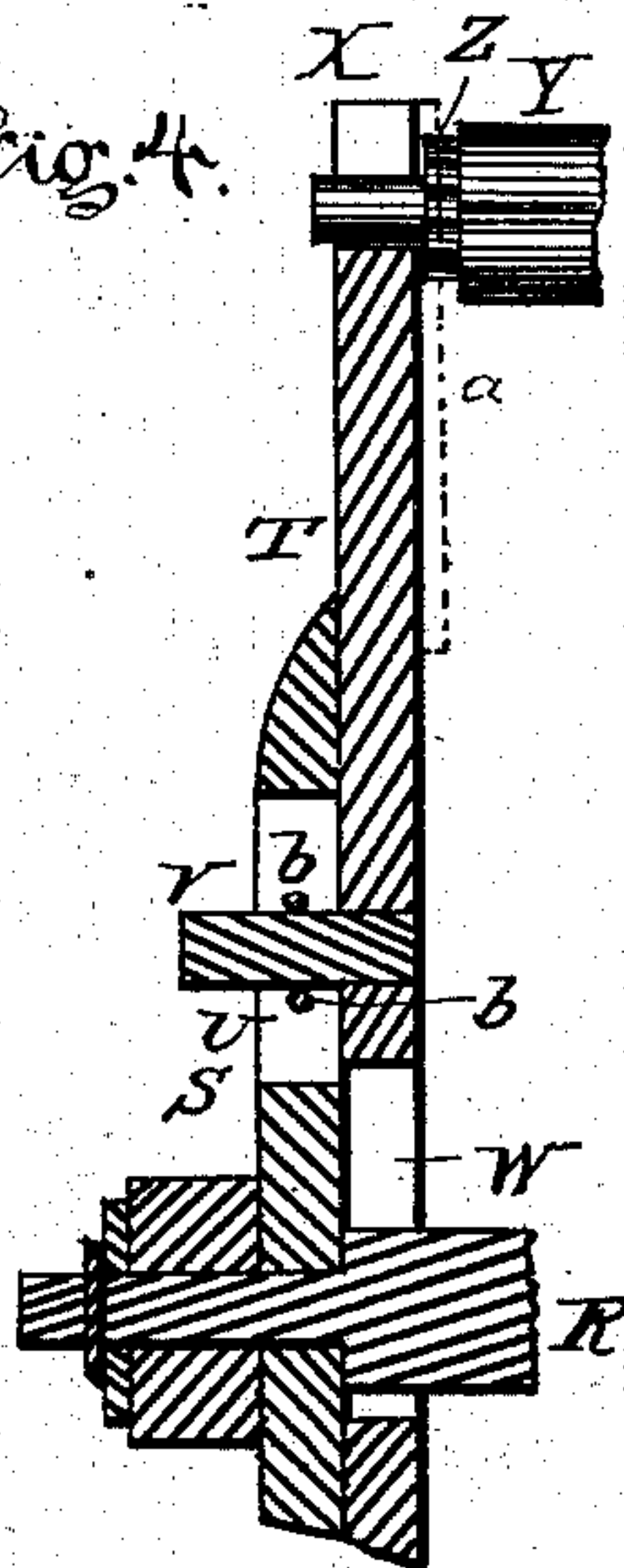
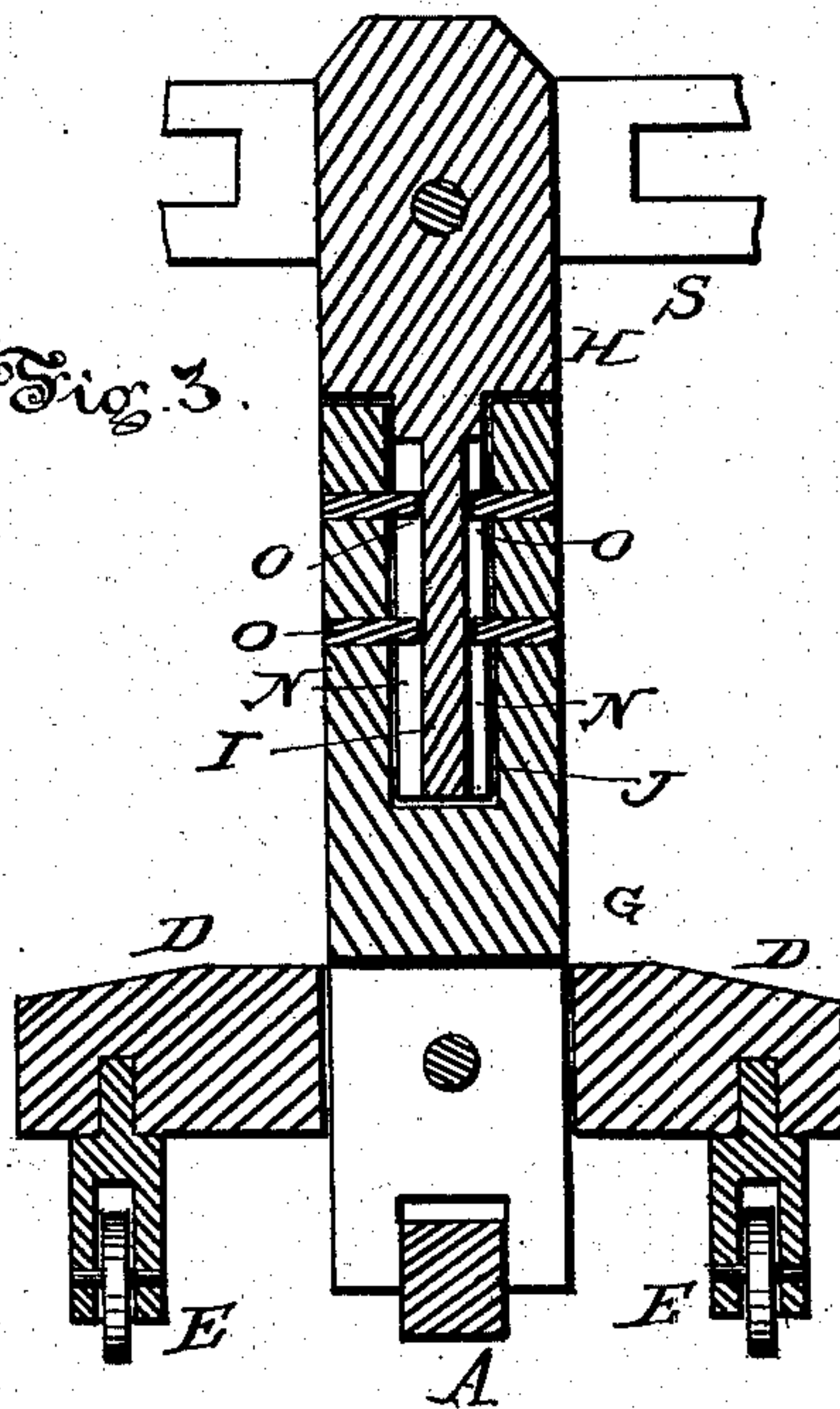


Fig. 3.



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# UNITED STATES PATENT OFFICE.

JAMES E. BEATY, OF SUMMERVILLE, GEORGIA.

## QUILTING-FRAME FOR SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 276,337, dated April 24, 1883.

Application filed January 30, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, JAMES E. BEATY, of Summerville, in the county of Chattooga and State of Georgia, have invented certain new and useful Improvements in Quilting-Frames for Sewing-Machines; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a perspective view of my improved quilting-frame. Fig. 2 is a longitudinal vertical section. Fig. 3 is a vertical cross-section, and Fig. 4 is a horizontal section of one end of the same.

Similar letters of reference indicate corresponding parts in all the figures.

My invention has relation to quilting-frames; and it has for its object to provide an adjustable quilting-frame which can be used with any height of sewing-machine, or be adjusted in any position to suit the operator; and it consists in the improved construction and combination of parts of the same, as hereinafter more fully described and claimed.

In the accompanying drawings, the letter A indicates a rail adapted to be fastened upon the floor, which may be made in two or more pieces hinged together, so that it may be folded up for easier transportation. This rail serves to guide the frame, which is pivoted upon two uprights, B B, which are slotted at their lower ends, C, which slots slide upon the guide A, and have cross-pieces D, provided with rollers E. The uprights are connected by a brace, F, and consist of a lower piece, G, which is slotted at its upper end, and an upper piece, H, the lower part, I, of which is reduced, and slides in the slot J of the lower piece. The outer side of the reduced part I has a series of notches, K, which are engaged by a lug, L, upon a spring, M, fastened to the lower part of the upright, so that the upper part may be raised and the projection L engage one of the notches and prevent it from sliding down. The sliding sides of part I are grooved at N, and tongues or projections O upon the inner sides of slot J project into the grooves, guiding the upper part as it is raised or lowered.

The upper ends of the uprights form bearings P, in which the rounded ends Q of a cross-piece, R, of the frame turn. The sides of the frame are formed by two outer pieces, S S, and two longer inner pieces, T T. The outer pieces are fastened at the center upon the cross-piece, and have two slots, U—one on each side of the cross-piece—into which slots two bolts or lugs, V, project and slide. These lugs are fastened to the outer side of the inner side pieces, T, which have a central slot, W, in which slides the cross-piece R, while their ends form bearings X for two end rollers, Y Y, upon which the quilt is rolled. Upon one end of each of these rollers is a ratchet-wheel, Z, which is engaged by a spring-pawl, a, fastened upon the side piece T, by which the roller is prevented from turning, unwinding the piece. The side pieces are prevented from sliding by pins b, which are inserted in holes c in the outer pieces, S, into the slots U, one on each side of the lugs V.

When the frame is to be used, the piece to be quilted is rolled upon the two rollers Y, the piece rolling from one roller upon the other. The frame is thereupon adjusted by means of the sliding uprights to the height of the sewing-machine used, the piece brought under the arm of the machine, and the roller inserted in its bearings. As the machine now stitches from one side of the piece to the other, the frame is rolled upon the rollers E, the guide-rail A guiding the frame straight. A new row is thereupon started by sliding the frame in the slots, and so on till the ends of the slots are reached. A part of the piece is now unrolled from one roller and rolled up upon the other, the frame slid back in the slots, and the same operation repeated.

When the sewing is to be done by hand, the frame may be tilted at will upon its bearings by unhooking two brace-rods, d, hinged upon the uprights, and fitting with their hooked ends into holes e in the sides of the frame.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

1. A quilting-frame consisting of a sliding frame having end rollers for the reception of the piece to be quilted, pivoted upon adjustable uprights provided with rollers at their



lower ends, and guided by a rail fastened upon the floor, substantially as and for the purpose shown and set forth.

2. The quilting-frame consisting of the end  
5 rollers, Y, having ratchet-wheels Z, sliding side pieces, T, bearings X for the rollers, spring-pawls a, central slot, W, and outward-projecting lugs V, outer side pieces, S, having  
10 slots U, sliding upon lugs V, and fastened upon the ends of the cross-piece R, cross-piece R, having rounded ends Q, uprights B, forming bearings P for the cross-piece, and consisting of the upper part, H, having reduced lower end, I, having grooves N and notches K, lower

part, G, having upper slot, J, provided with 15 tongues O, spring M, having lug L, brace-rod d, and lower slotted end, C, and cross-pieces D, having rollers E, and guide-rail A, all constructed and combined to operate substantially as and for the purpose shown and set 20 forth.

In testimony that I claim the foregoing as my own I have hereunto affixed my signature in presence of two witnesses.

JAMES E. BEATY.

Witnesses:

JAMES W. MAXEY,  
JOHN T. BEATY.