

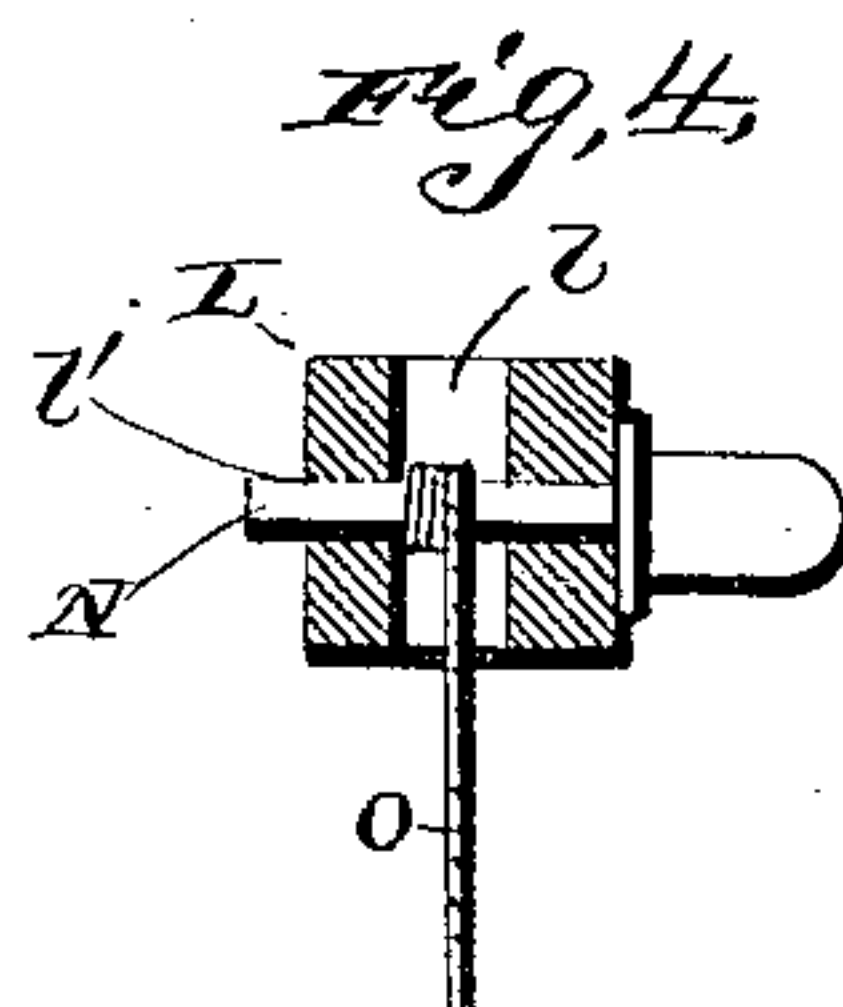
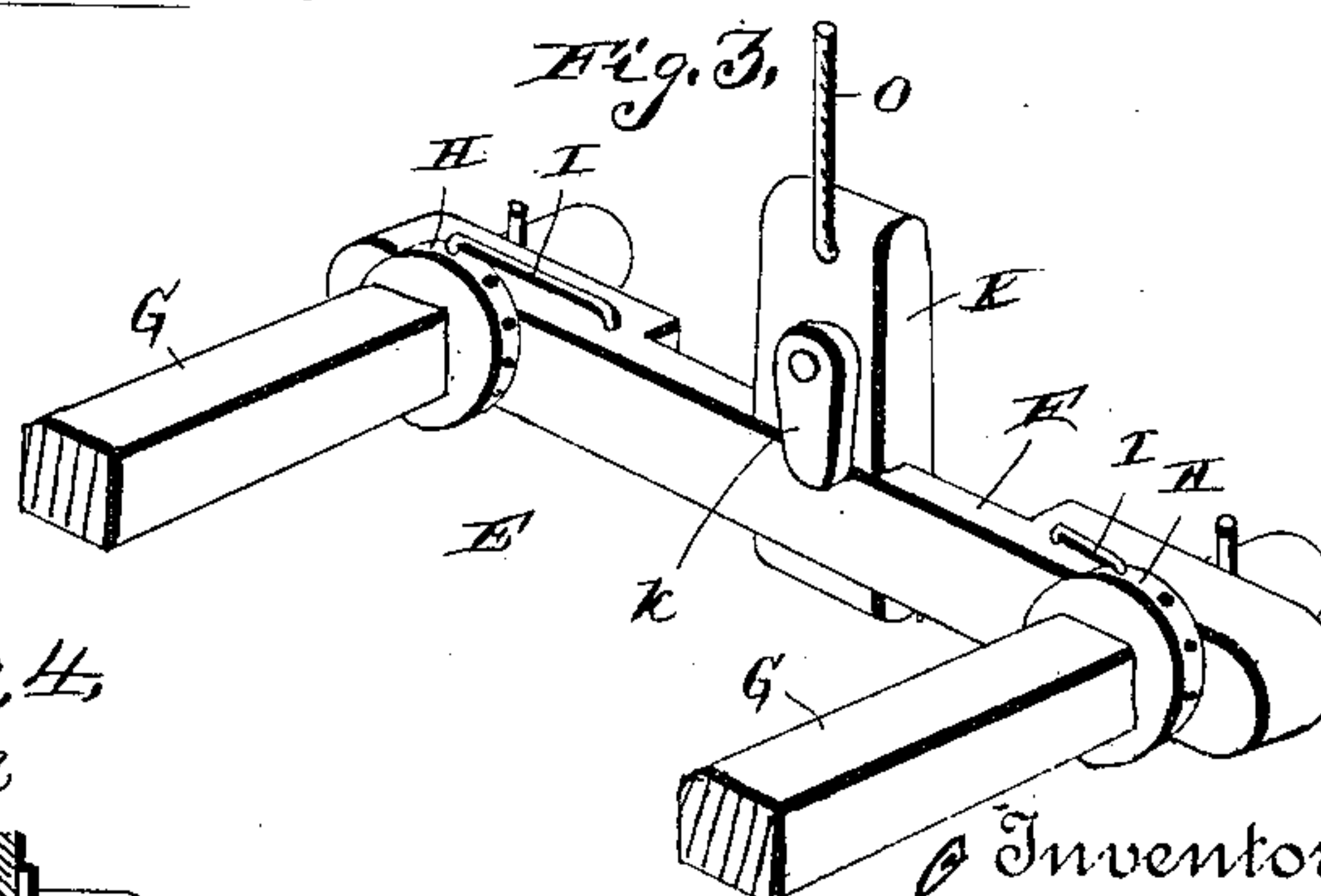
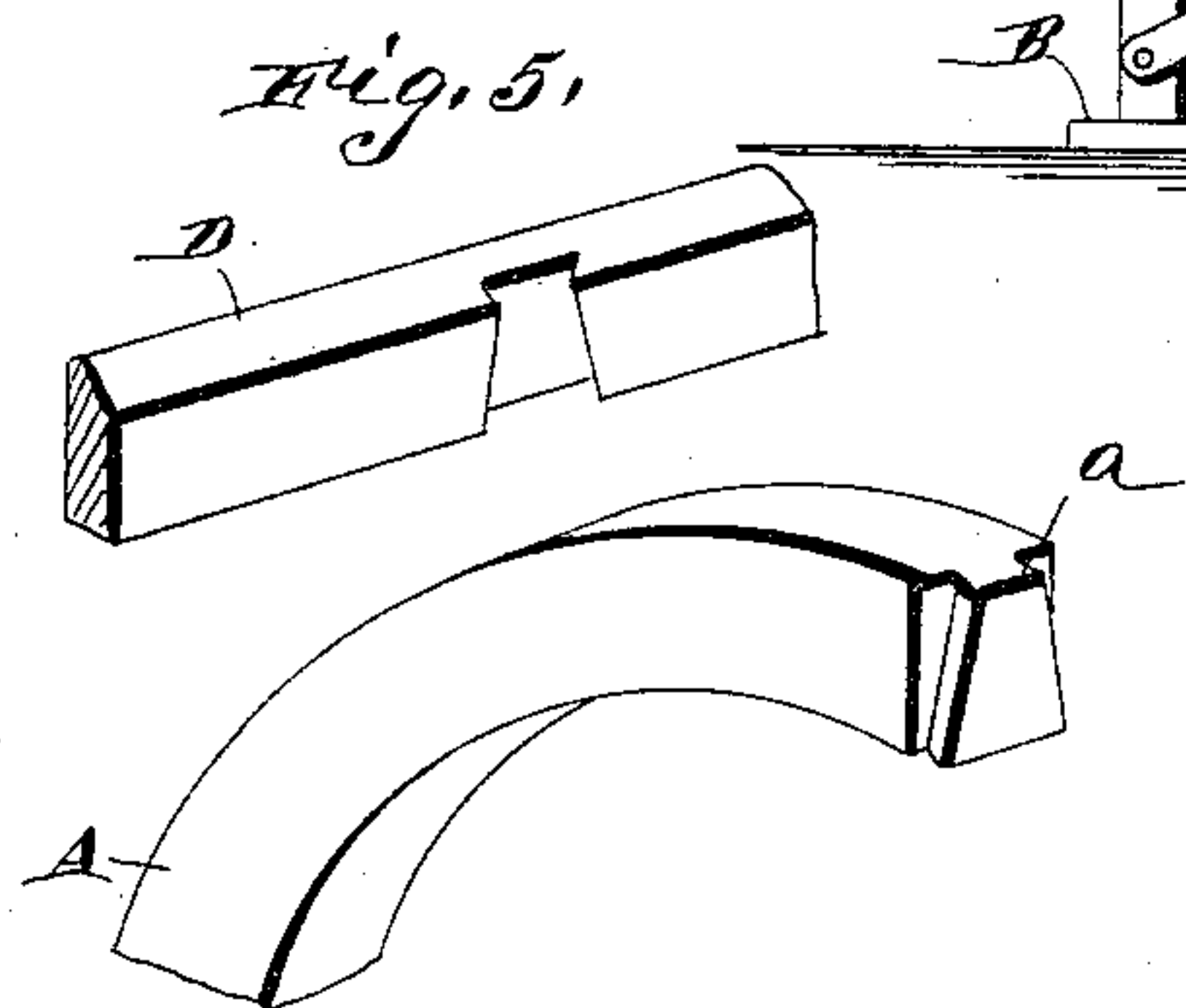
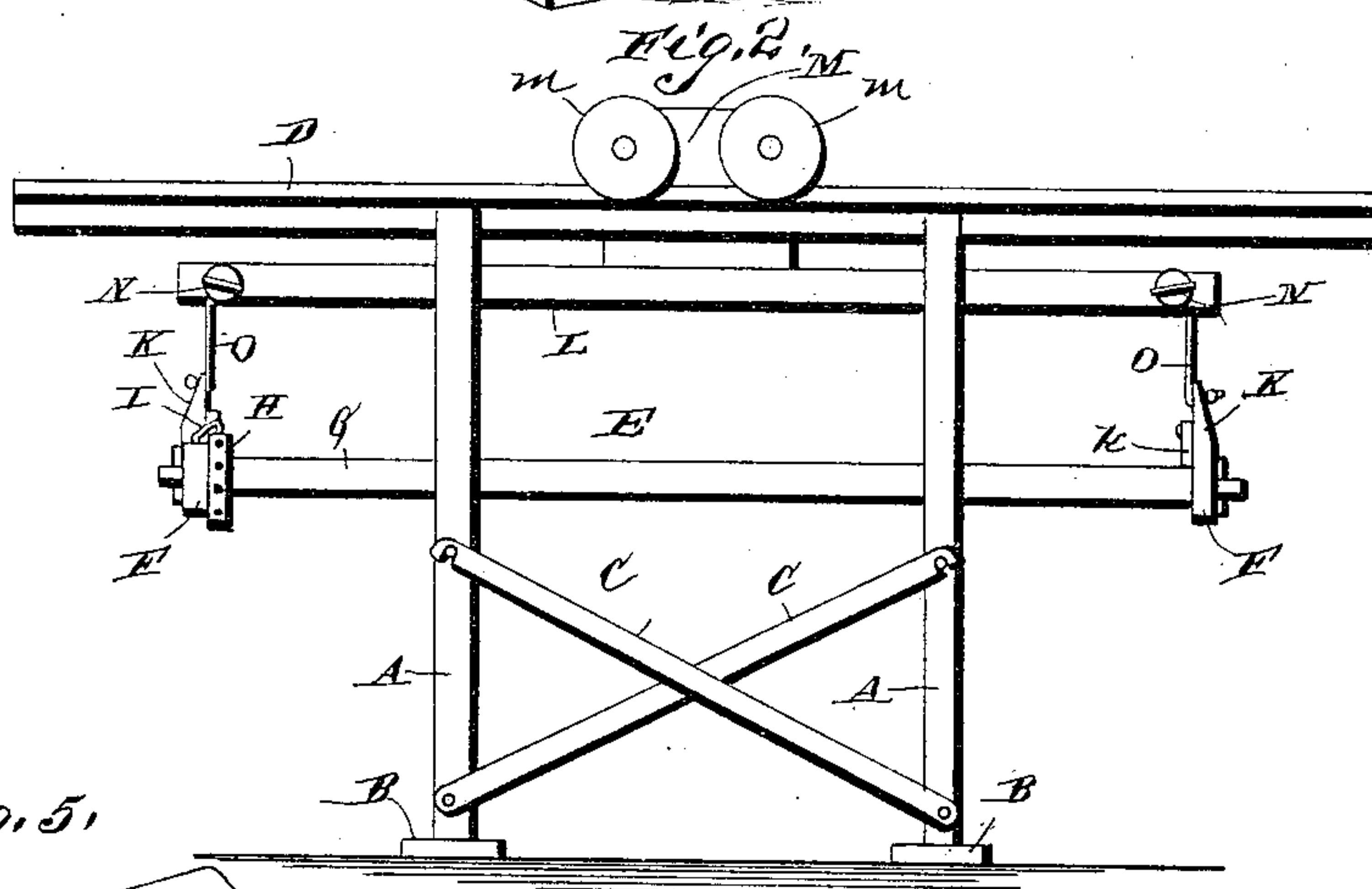
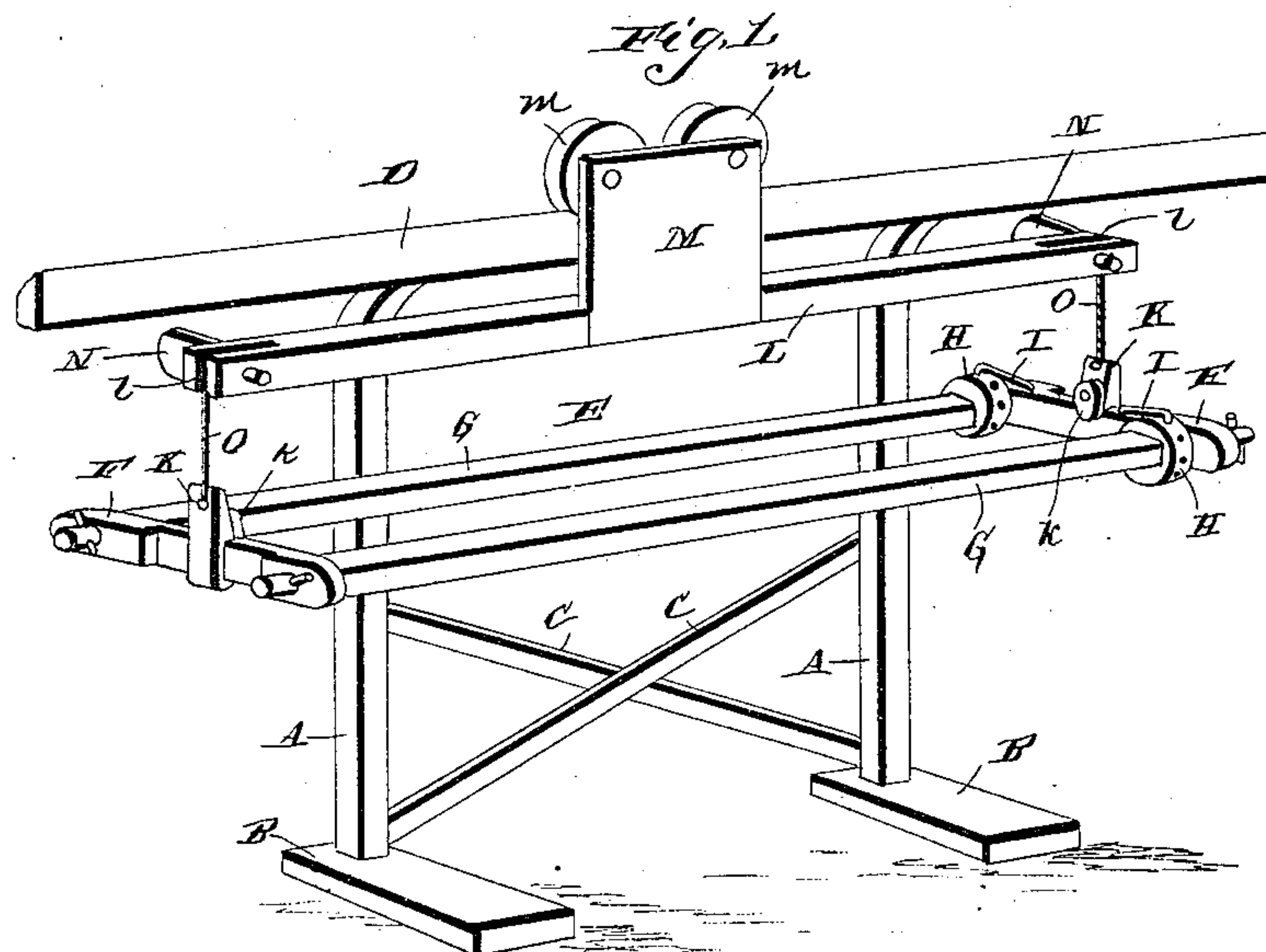
(No Model.)

B. W. RAINES.

QUILTING FRAME.

No. 379,661.

Patented Mar. 20, 1888.



Witnesses.

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# UNITED STATES PATENT OFFICE.

BURRESS WESLEY RAINES, OF BLOSSOM PRAIRIE, TEXAS.

## QUILTING-FRAME.

SPECIFICATION forming part of Letters Patent No. 379,661, dated March 20, 1888.

Application filed August 11, 1887. Serial No. 246,697. (No model.)

*To all whom it may concern:*

Be it known that I, BURRESS WESLEY RAINES, a citizen of the United States, residing at Blossom Prairie, in the county of Lamar and State of Texas, have invented a new and useful Improvement in Quilting-Frames, of which the following is a specification.

My invention relates to improvements in quilting-frames; and it consists in a certain novel construction and arrangement of parts for service, which are fully set forth hereinafter, and specifically pointed out in the claims.

The object of the invention is to provide a very simple and easily-managed device, which, when not in use, may be folded into a very small space, and which may be set up with very little trouble and moved about at will to accommodate the position of the sewing-machine and the wishes of the operator.

In the drawings, Figure 1 is a perspective view of the device set up in operative position. Fig. 2 is a rear view of the same. Fig. 3 is a detail view of one end of the quilting-frame, to show the manner of adjusting the rollers and other parts. Fig. 4 is a detail view of the end of the roller-bar, to show the manner of adjusting the quilting frame vertically. Fig. 5 is a detail view of a portion of the track-bar and the upper end of one of the bowed standards, to show the joint between the same.

Referring by letter to the drawings, A A designate the standards of the device, bowed or bent forwardly at the upper ends, and provided on the extremities of the said bowed portions with dovetailed projections *a a*. The lower ends of the standards are secured rigidly to the foot-blocks B B, to hold the standards vertical; and C C are diagonal braces pivoted at the lower ends to the rear sides of the standards, near the lower ends thereof, respectively, and having notches in the upper ends to engage over headed studs secured in the rear sides of the standards. These braces are made very thin, and it will be seen that they cross midway between the standards.

D designates the track-bar, beveled to an edge at the upper side, and having dovetailed notches in the rear side to receive the dovetailed projections on the ends of the standards, so that when properly engaged the track-bar will be supported firmly.

E designates the quilting-frame proper, which is rectangular in shape, having the end bars, F F, provided at the ends with bearings, in which are journaled the trunnions of the rectangular rollers G G. The said rollers are provided at one end of the frame with the small rollers or wheels H H, having series of sockets in the peripheries; and I I are small detaining-hooks pivoted to the upper side of the end bar, and adapted to engage in any one of the said sockets to prevent the wheels, and consequently the rollers G G, which are rigidly attached thereto, from turning.

K K designate clips having notches or recesses in the inner sides to receive the end bars, F, of the quilting-frame, and *k k* are small latches or buttons pivoted on the inside of the said clips, and adapted to be turned down, when the end bars are in the notches, to engage over the inside thereof and prevent them from coming out of the recesses or notches. These clips are thus adjustably secured to the end bars of the quilting-frame, and they are provided at the upper ends with small perforations, for a purpose to be explained.

L designates the roller-bar, having the vertical plate M secured to the front side thereof, which is provided on the rear side with rollers *m m*, having grooved peripheries to bear on the upper edge of the track. It will be seen that the roller-bar is thus allowed longitudinal movement under the track-bar the entire length of the latter.

*l l* are longitudinal slots formed in the ends of the roller-bar, and *l' l'* are transverse openings or bearings communicating with the said slots.

N designates a small roller journaled in the said bearings, and having a thumb-hold or handle on the outer end to enable the said roller to be rotated.

O designates a cord attached at the lower end to the perforation in the upper end of the clip K, and secured at the upper end to the roller N at each end of the quilting-frame. It will be seen that if the rollers N N are turned the cords O O will be wound thereon, and thus raise the quilting-frame, and they may be obviously turned in the opposite direction to lower the frame.

The rollers *m m* are set very close together,



so that as the quilting-frame is being drawn along the track the said frame may be rocked or swung forward and backward to enable the operator to quilt in any desired pattern. For instance, not only straight lines can be formed, but curved and broken lines, thus making any desired variety. The frame may also be swung on the roller-bar, as the connection between the two is by means of cords. Also, by securing the clips K K at different points of the length of the end bars, any desired inclination of the quilting-frame may be had.

The operation of this device is obvious from the above description. To place the front roller, G, under the arm of the sewing-machine it is only necessary to remove the pin, which is passed through the end of the trunnion thereof on the outer side of the end bar, and remove the trunnion from its bearing.

It will be seen from the description that the device may be very readily taken apart to be packed away. The track-bar may be removed from the upper ends of the standards. The standards may be detached by simply removing the braces, which are simply pivoted thereto, and the quilting-frame may be detached from the roller-bar by removing the clips K. Thus the device may be folded into a very small space and without the removal of a single bolt or screw. The device is also very light in weight, and therefore may be easily moved from one place to another.

The manner herein described of locking the rollers G in the desired position is very simple and easily accomplished.

Having thus described my invention, I claim—

1. In a quilting-frame, the combination of the vertical standards A A, bent forward at their upper ends and provided with dovetailed projections *a a*, the track-bar D, beveled toward the upper edge and provided with dovetailed notches to receive the projections *a a*, whereby the said bar may be removed from the standards, the folding braces C C between the standards, the roller-bar L, having the rollers *m m* to run on the track-bar, and the frame E, connected to the roller-bar by the suspending-cords O O, substantially as and for the purpose specified.

2. In a quilting-frame, the combination, with the frame E, suspended from the roller-bar L, having the rollers on the rear side, of the support comprising the standards A A, having foot-pieces on the lower ends and bowed at the upper ends, dovetailed projections on the extremities of the bowed portions, track-bar D, having dovetailed notches in the rear side to receive the said projections, and the diagonal braces C C, pivoted at the lower

ends of the standards, respectively, and having notches in the upper ends to engage over headed studs on the opposite standards, respectively, whereby the said braces may be detached to fold the support, all constructed and arranged substantially as specified.

3. In a quilting-frame, the combination, with the frame E, having the suspending-cords O attached thereto, of the standards A A, bowed at the upper ends, track-bar D, secured to the extremities of the bowed portions and having the upper side reduced to an edge, the roller-bar L, having longitudinal slots *l l* in the ends, and the transverse bearings *l' l'*, communicating therewith, rollers journaled in the bearings and having the upper ends of the cords O attached thereto, and the plate M, secured to the center of the roller-bar and having grooved rollers *m m* on the rear side thereof, to operate on the track-bar, substantially as specified.

4. In a quilting-frame, the combination, with the supporting-frame having the track-bar D secured thereon, of the roller-bar L, having the longitudinal slots in the ends, and transverse bearings communicating with the slots, the roller N, journaled in the said bearings, and having handles or thumb-holds on the ends, the plate M, secured to the center of the roller-bar and having the rollers on the rear side to operate on the track-bar, the quilting-frame E, having the end bars, F F, and the rollers G G, journaled between the ends thereof, the clips K K, having notches or recesses in the sides to receive the end bars, the latches or buttons pivoted on the clips to lock the end bars in said recesses, and the cords O, attached at the upper ends to the rollers N and at the lower ends to the said clips, substantially as specified.

5. In a quilting-frame, the combination, with the supporting-frame having the track-bar D, of the roller-bar L, operating on the track-bar, the pins N N at the ends of the roller-bar, the quilting-frame E, having the end bars, F F, the clips K K, adjustably attached to the end bars, and the connecting-cords O O, attached at the lower ends to the clips K and at the upper ends to the pins N N, upon which the said cords are wound to adjust the height of the frame E, substantially as and for the purpose specified.

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

BURRESS WESLEY RAINES.

Witnesses:

T. H. HAYES,

C. L. MARSHALL.