

(No Model.)

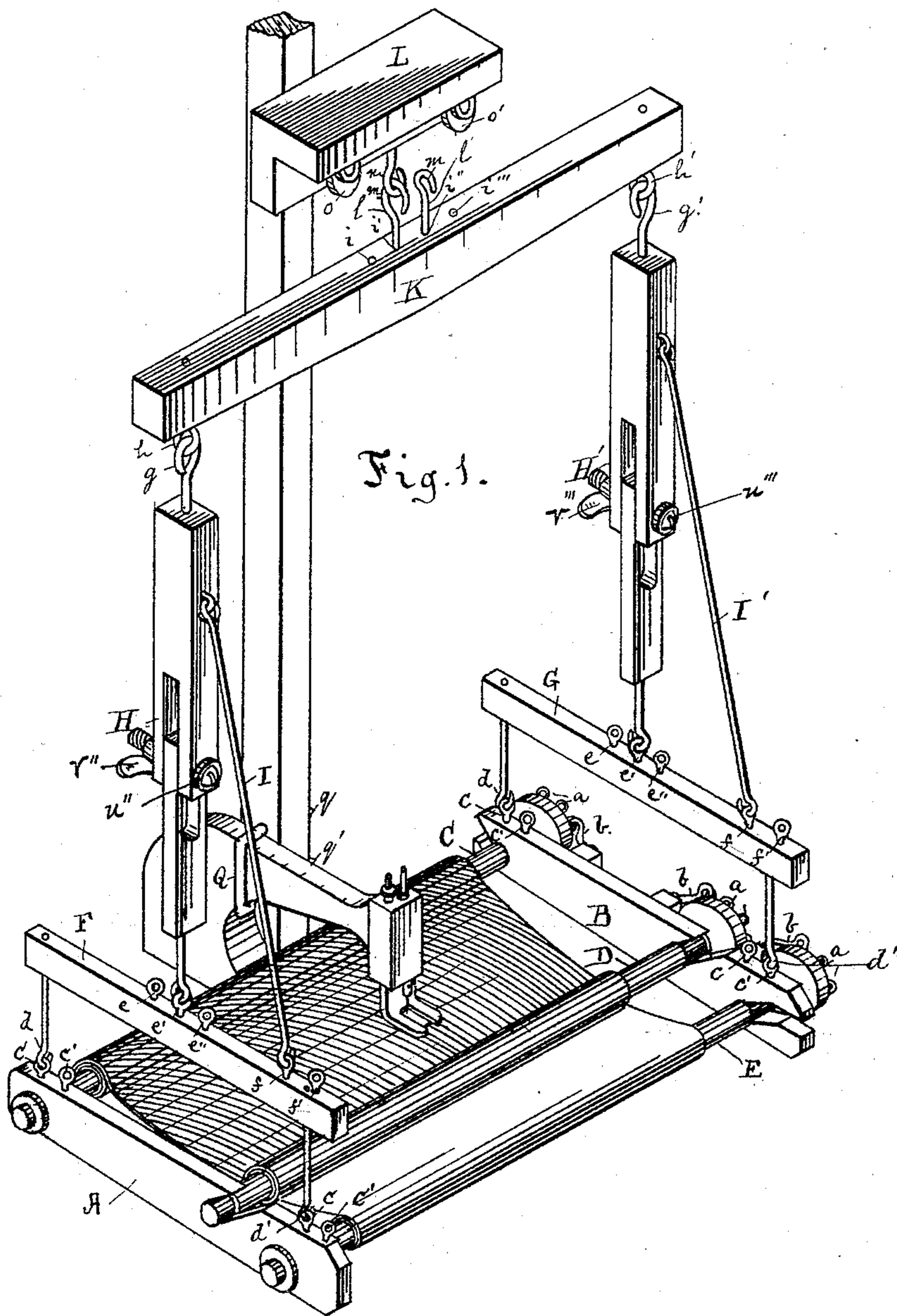
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J. W. CHENOWETH.

QUILTING ATTACHMENT FOR SEWING MACHINES.

No. 497,231.

Patented May 9, 1893.



Witnesses

H. N. Jenkins
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Inventor

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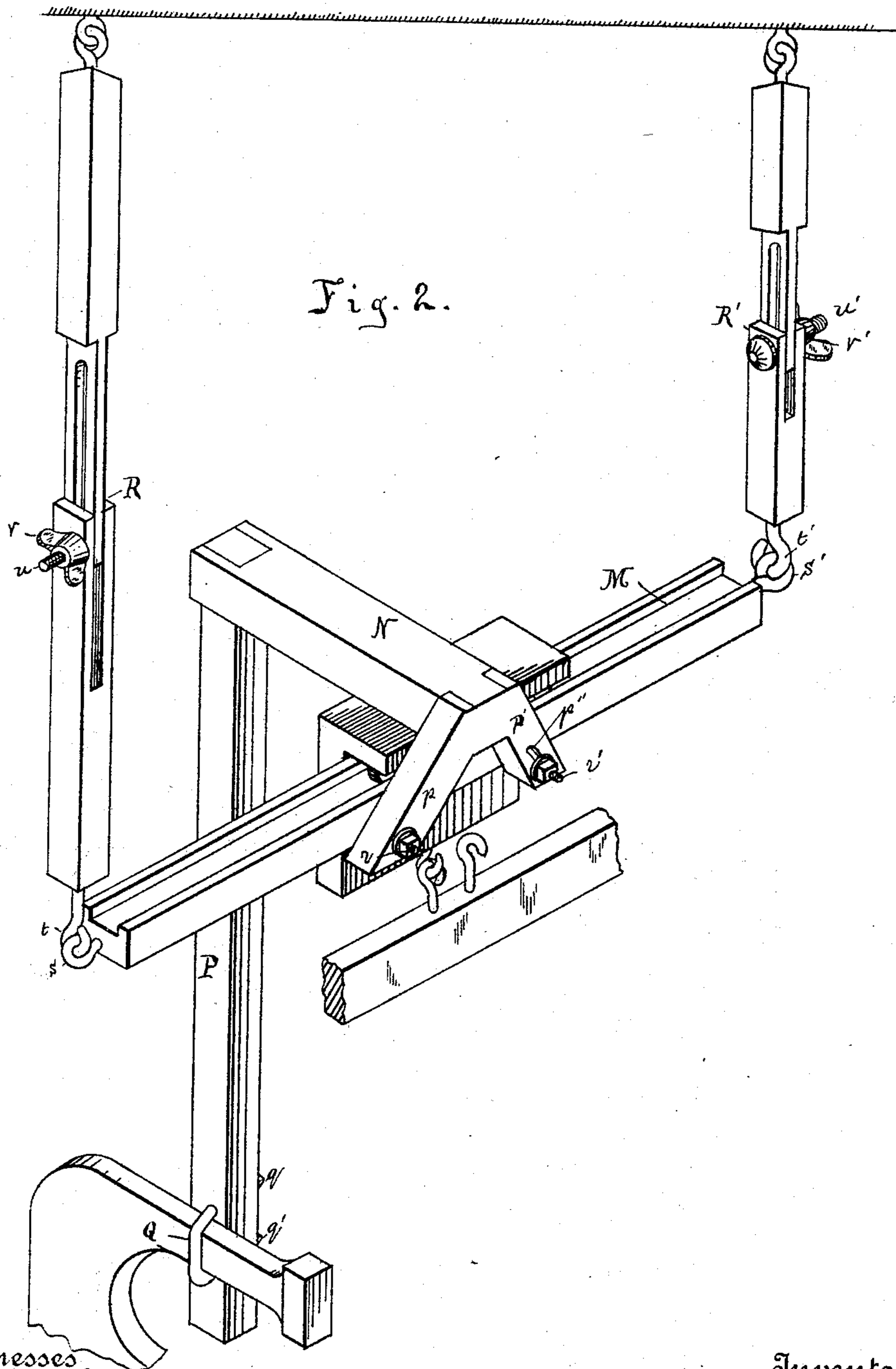
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UNITED STATES PATENT OFFICE.

JAMES W. CHENOWETH, OF DECATUR, TEXAS.

QUILTING ATTACHMENT FOR SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 497,231, dated May 9, 1893.

Application filed October 26, 1892. Serial No. 450,010. (No model.)

To all whom it may concern:

Be it known that I, JAMES W. CHENOWETH, a citizen of the United States, residing at Decatur, in the county of Wise and State of Texas, have invented new and useful Improvements in Quilter-Frames, of which the following is a specification.

This invention relates to a quilting-frame with equalizing-bar and means for adjusting the same so that the quilting-frame shall at all times be held in a level position.

It also relates to new and improved means for suspending the quilting-frame from a traveler and for supporting the rail upon which the traveler operates, so that the quilting may be accomplished on a sewing-machine, as hereinafter fully described.

The nature of my invention will be readily understood by referring to the annexed drawings, whereon—

Figure 1 is a perspective view of my quilting-frame with equalizing-bar and means for suspending same from the traveler. Fig. 2 is a perspective view of the aforesaid traveler as arranged for operating on a rail, with means for supporting the rail above a sewing-machine.

On the drawings the letters A, B, designate the ends of the quilting-frame with journal-bearings, as shown, for the reception of the journals of the rollers C, D, E. Each roller has one of its ends provided with a wheel having eyes *a*, and the adjacent side of the frame is furnished with hooks *b*, for engaging said eyes, and holding the rollers in fixed positions when required. The upper edge of each end of the frame is provided, both front and rear, with eyes *c c'*, for receiving the end-hooks *d, d'*, which are connected with the lower edges of the equalizing-bars, F, G. The upper-edges of the bars F, G are each furnished, near their centers, with eyes *e, e', e''*, and near their ends with eyes *f, f'* to receive the lower hooked-ends of suspension rods H, H', and brace-rods I, I'. The suspension rods H, H' connect by hooks *g g'* and eyes *h h'* with the outer ends of a beam K, the upper edge of which is provided with a series of screw-sockets *i i' i'' i'''* for the reception of the threaded ends of the hooked-rods *ll'*, in order to change

the point of suspension as the progress of the work may require. The beam K is suspended by hook *m* and eye *n*, from the traveler L, the horizontal portion of which has its under surface provided with journal-boxes having rollers *o o'* fitted therein so as to operate on a track, or rail M, which is secured, as hereinafter described, to the downwardly projecting ends *p p'* of a frame that is composed of a horizontal bar N and vertical piece P, the lower end of the latter being secured to the arm of a sewing-machine, by means of a stirrup, or strap Q, and tightening nuts *q q'*, as shown in Figs. 1 and 2. The rail M is secured to the downward projecting-pieces *p, p'*, aforesaid, by means of bolts *r r'* which pass through the rail and holes formed in the frame pieces *p, p'*, one of said holes being somewhat curved and elongated, as at *p''* in order to permit of a change in the level of the rail, as occasion may require. The rail M, is provided at each end thereof, with an eye *s s'* to receive the hooked-ends *t, t'*, of the suspension-rods R, R', the upper ends of which connect by hooks and eyes with the ceiling of the room in which the quilting-frame is used.

The suspension-rods H H' and R R' are each formed in two sections, to permit of a limited elongation or contraction in the length of same, and they are securely held in any adjusted position by means of threaded bolts *u u' u'' u'''* and thumb-nuts *v v' v'' v'''*; the adjacent ends of the rod-sections being slotted, as shown, to permit of said adjustment.

The object in connecting the ends of the rail M with the ceiling, as described, is to avoid excessive strain on the arm of the sewing-machine, as the weight of the quilting-frame is moved toward the ends of said rail.

To prevent the quilting-frame from moving, or swinging lengthwise of the track I employ a pair of cross-braces, each brace consisting of a rod, or wire, the ends of which are respectively secured to the upper and lower ends of the opposite extension-bars R R' whereby the track is supported. Instead of constructing the traveler and track, as described, the former may be made of four pieces of wood, or other material, with a wheel journaled in the top thereof, so that the traveler may be slipped

on the track and its wheel operate on the upper surface thereof, and the wheel, or track, may be, respectively, grooved or beaded to insure a direct line of operation, as well as
5 lessen the frictional surface of same.

In the operation of my invention, as the goods are moved on the rollers of the quilting-frame, the said frame is held on a balance by changing its points of suspension from the
10 equalizing-bars, as well as changing the suspension-points of the said equalizing-bars from the hooked-ends of the suspension-rods H, H', and brace-rods I, I'. The points of suspension of both equalizing-bars and quilting-
15 frame are changed in the direction of the roller receiving the quilted-goods, as provided for by the hooks and eyes heretofore referred to.

Having described my invention, what I

claim as new, and desire to secure by Letters Patent, is—

The combination of a quilting-frame and a pair of equalizing-bars, with means, as described, for adjustably connecting the frame and bars, the beam K with suspension-rods H H' and braces I I' adapted to adjustably
25 connect said beam and equalizing-bars, the traveler L having rollers o, o', and the rail M with means for holding said rail at any desired level, substantially as and for the purpose set forth.

In testimony whereof I affix my signature in presence of two witnesses.

J. W. CHENOWETH.

Witnesses:

W. W. BARBER,

F. L. SPENCER.