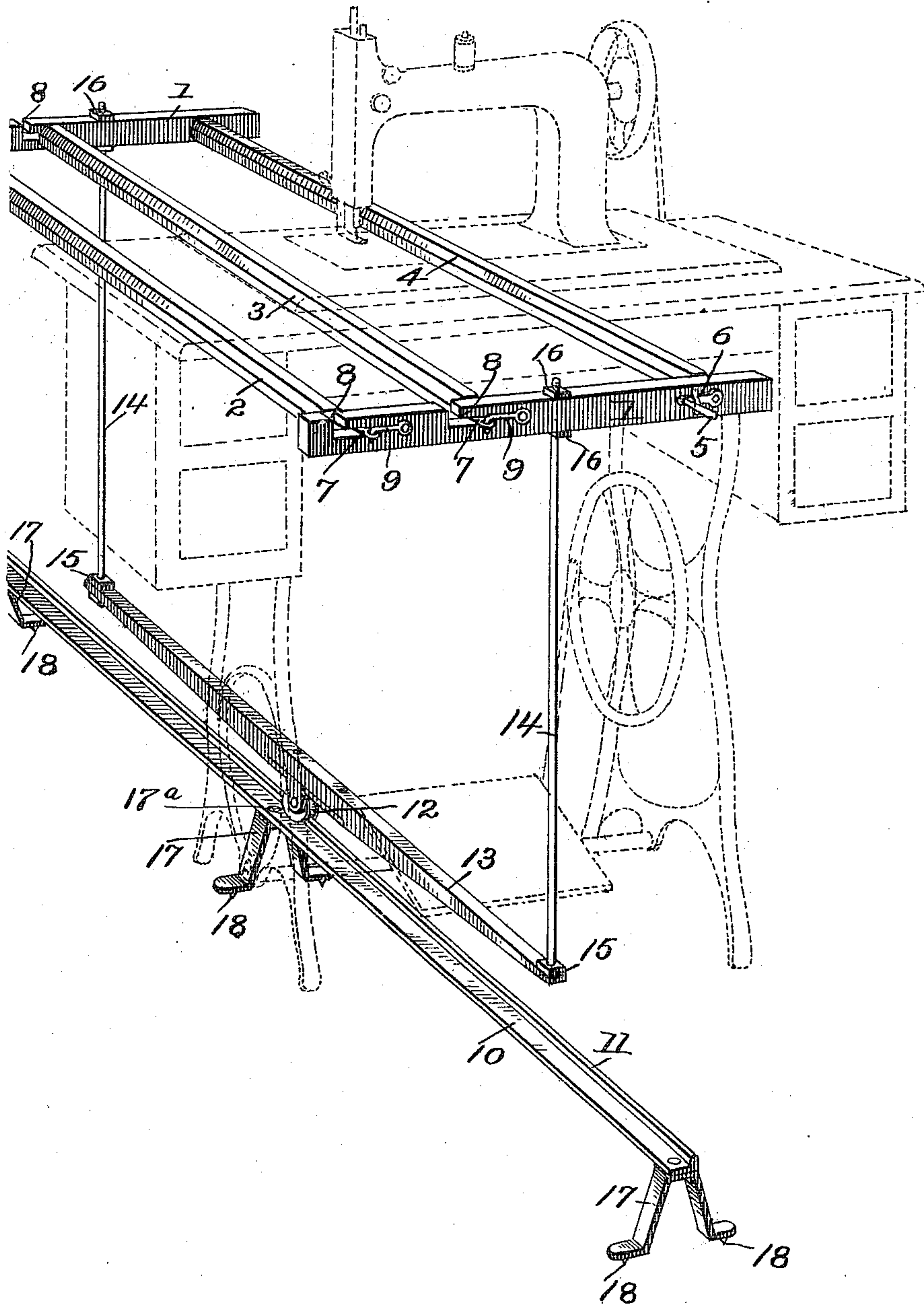


J. C. TOUCHSTONE.
 QUILTING MACHINE ATTACHMENT.
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983,182.

Patented Jan. 31, 1911.



Inventor

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Witnesses

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JONAS C. TOUCHSTONE, OF CORSICANA, TEXAS.

QUILTING-MACHINE ATTACHMENT.

983,182.

Specification of Letters Patent.

Patented Jan. 31, 1911.

Application filed April 16, 1909. Serial No. 490,348.

To all whom it may concern:

Be it known that I, JONAS C. TOUCHSTONE, a citizen of the United States, residing at Corsicana, in the county of Navarro and State of Texas, have invented new and useful Improvements in Quilting-Machine Attachments, of which the following is a specification.

This invention relates to quilting attachments for sewing machines, the object of the invention being to provide a simple, practical and satisfactory device of the class described by means of which the work may be conveniently supported and moved in proper relation to the arm of the sewing machine without interfering with the usual operation of the sewing machine by the treadle, the attachment embodying means whereby it is rendered self-balancing at any and all points within the limits of movement thereof.

A further object of the invention is to provide simple and effective means for securing the necessary vertical adjustment of the quilting frame proper with respect to the supporting means thereof.

With the above and other objects in view, the nature of which will more fully appear as the description proceeds, the invention consists in the novel construction, combination and arrangement of parts as herein fully described, illustrated and claimed.

The accompanying drawing represents a perspective view of the quilting attachment complete, showing by dotted lines the relation existing between the quilting attachment and the sewing machine.

The quilting frame resembles the ordinary quilting frame now in common use, comprising the oppositely arranged end bars 1 and the rollers 2, 3 and 4 each of which is preferably of polygonal form in cross section as indicated in the drawings said rollers being of equal length and extending from end bar to end bar as shown. The rollers 2 and 3 are adapted to have wound thereon respectively, the lining and the facing of the quilt while the roller 4 is adapted to receive and wind both the lining and facing of the quilt, the roller 4 being adapted to travel in a plane close up to the needle bar of the sewing machine as indicated by dotted lines in the drawings. Each of the rollers 2, 3 and 4 is provided with end pintles which are received in bearings provided therefor in the end bars 1, the roller 4 being provided with

an operating or winding crank 5 in connection with which a stock or catch is employed for preventing inoperative unwinding of said roller thereby keeping the quilting material under tension. Each of the other rollers 2 and 3 has eye bolts 7 at its ends which are received in L-shaped slots 8 in the end bars, the eyes of said bolt being designed to be engaged by hooks 9 pivoted on the end bars of the frame, whereby said rollers are prevented from turning during the quilting operation.

The supporting means for the quilting frame comprises a track rail 10 provided with an upstanding flange 11 extending lengthwise thereof and adapted to direct the movements of a centrally arranged roller 12 which is secured to the under side of a balance rail 13 of the same length as the quilting frame and connected to the latter by means of end stanchions 14 preferably in the form of rods having their lower ends inserted through opposite ends of the balance rail and secured above and below the balance rail by means of nuts 15 which provide for the vertical adjustment of the rods 14. The upper ends of the rods 14 are also screw-threaded and inserted through the central portions of the end bars 1 of the quilting frame and secured by means of nuts 16 arranged both above and below the end bars as shown thereby providing for vertical adjustment of the quilting frame in order to enable said quilting frame to be adjusted in elevation to suit the height of the work table of the sewing machine.

The supporting track rail 10 may be held at any suitable elevation above the floor by means of a plurality of rail chairs 17 of inverted U-shaped form having the opposite lower ends thereof provided with projecting prongs or spurs 18 adapted to be driven into the floor to prevent the accidental shifting of the supporting rail and the quilting frame and the parts thereof supported by said track rail. The horizontal flange of the rail rests on the flat tops of the chairs 17 and the rail and chairs are secured together by rivets or other fastenings 17^a.

From the foregoing description it will be seen that the quilting frame is supported and balanced from a single central point and that sufficient amplitude of movement is provided for by locating the supporting stanchions 14 at the opposite ends of the balance rail and quilting frame. Furthermore,

the quilting frame is rendered adjustable up and down to meet requirements and the whole structure may be made exceedingly light and strong, rendering the same unusually satisfactory and practical in use.

I claim:—

A quilting attachment for sewing machines comprising a supporting track rail consisting of a length of angle iron disposed with one of its flanges horizontal and the other vertical, a plurality of chairs for supporting the track rail above the floor, said chairs being all of the same height and each consisting of an inverted U-shaped structure having a flat top and also having base portions resting on the floor, downwardly-projecting spurs on the under side of the base portions for entering the floor to prevent shifting of

the chairs, fastenings for securing the horizontal flange of the rail to the flat tops of the chairs, a balance rail disposed vertically over the vertical flange of the track rail, a grooved roller fastened to the middle of the balance rail and riding on the top edge of the vertical flange of the track rail, a quilting frame disposed above the balance rail, and means for rigidly securing the ends of the quilting frame to the ends of the balance rail.

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

JONAS C. TOUCHSTONE.

Witnesses:

L. B. COBB,
E. C. SEARS.