

UNITED STATES PATENT OFFICE.

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QUILTING-FRAME FOR SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 479,654, dated July 26, 1892.

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To all whom it may concern:

Be it known that we, GEORGE McN. MOORE and GEORGE W. STEEN, residents of Commerce, in the county of Hunt and State of Texas, have invented certain new and useful Improvements in Quilting-Frames; and we 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.

Our invention relates to improvements in quilting-frames, the object being to provide an improved construction of the same, whereby we secure superior advantages with respect to simplicity, economy, and efficiency.

The invention consists in the novel construction and combination of parts herein-after fully described and claimed.

In the accompanying drawings, Figure 1 is a perspective view of a quilting-frame constructed in accordance with our invention.

Fig. 2 is a cross-section of the frame proper. In the drawings the reference-numeral 1 denotes depending brackets adapted to be secured to a ceiling and having apertures, through which passes a rod or bar 2, forming a track upon which the carriage sustaining the quilting-frame proper travels. The carriage, which travels upon the rod 2, consists of a single piece of metal having its ends bent upwardly at right angles, forming a U-shaped bail, the vertical arms 5 of which are bifurcated at the upper ends, in which bifurcations are journaled grooved wheels or rollers 6. The horizontal arm 7 of the bail at the center is provided with an aperture, through which passes a screw-threaded vertically-adjustable rod 8, having a head 8^a at its lower end and by which it may be rotated. It is also provided with a similarly-threaded burr or nut 9 for holding it in its adjusted position. This burr or nut consists of a loose interiorly-threaded collar, with which the rod 8 engages.

The numeral 10 designates a beam having a central aperture, through which rod 8 loosely passes, the beam resting upon and being supported by the head 8^a. At each end the beam

is provided with depending bars or beams 12, cut away or recessed at their lower ends to receive the horizontal beams or bars 13. These bars 13 are provided with slots 14, through which pass headed screw-bolts 15, by means of which said bars are horizontally adjustable.

The numerals 16 and 16^a designate the rollers upon which the material is wound previous to being sewed. These rollers are journaled in the bars 13 and are provided with notched wheels 17 and spring-pawls 18 to regulate the distance apart of the rows of stitches.

The numeral 19 denotes the winding-roller, similar to rollers 16 and 16^a, and also journaled in the bars 13. It is also provided with notched wheel and pawl, like roller 16.

In practice the brackets 1, carrying the track-rod, are secured to the ceiling by screws or otherwise, with the wheels of the carriage resting on said rod, the frame proper being adjusted to the proper height by rotating said rod, as will be apparent. The material which is to compose the lining of the quilt is wound upon roller 16, while the material to form the top is wound upon roller 16^a, the ends of said lining and top being secured to the winding-roller 19. The device is then adjusted to a sewing-machine, by which it is stitched by a transverse row of stitches, being fed to the machine as the sewing progresses by the carriage. When a row of stitches has been completed, the carriage is returned to normal position and the material fed forward by means of the rollers, the notched wheels and pawls regulating the distance of the feed, so that the rows of stitches will be at uniform distance apart. By means of the slots 14 and headed screw-bolts the side bars 13 and rollers can be adjusted horizontally, so as to balance the same. It will be noted that the journals of rollers 16^a and 19 have their bearings in oppositely-inclined slots in the side bars 13, so that they can be readily removed when desired.

Having thus described our invention, what we claim is—

The combination, with the track and the carriage consisting of the U-shaped bail formed from a single piece of metal, having the ends bifurcated and provided with grooved wheels

or rollers, of the screw-threaded rod having a head at its lower end, passing through an aperture in the bail, the burr or nut consisting of the interiorly-screw-threaded collar, with
5 which said rod engages, the beam having an aperture, through which said rod loosely passes, the depending bars, the side bars, and the rollers, substantially as described.

In testimony that we claim the foregoing as our own we have hereunto affixed our signatures in presence of two witnesses.

GEORGE MCN. MOORE.

GEORGE W. STEEN.

Witnesses:

J. M. FOWLER,

Z. F. FOWLER.