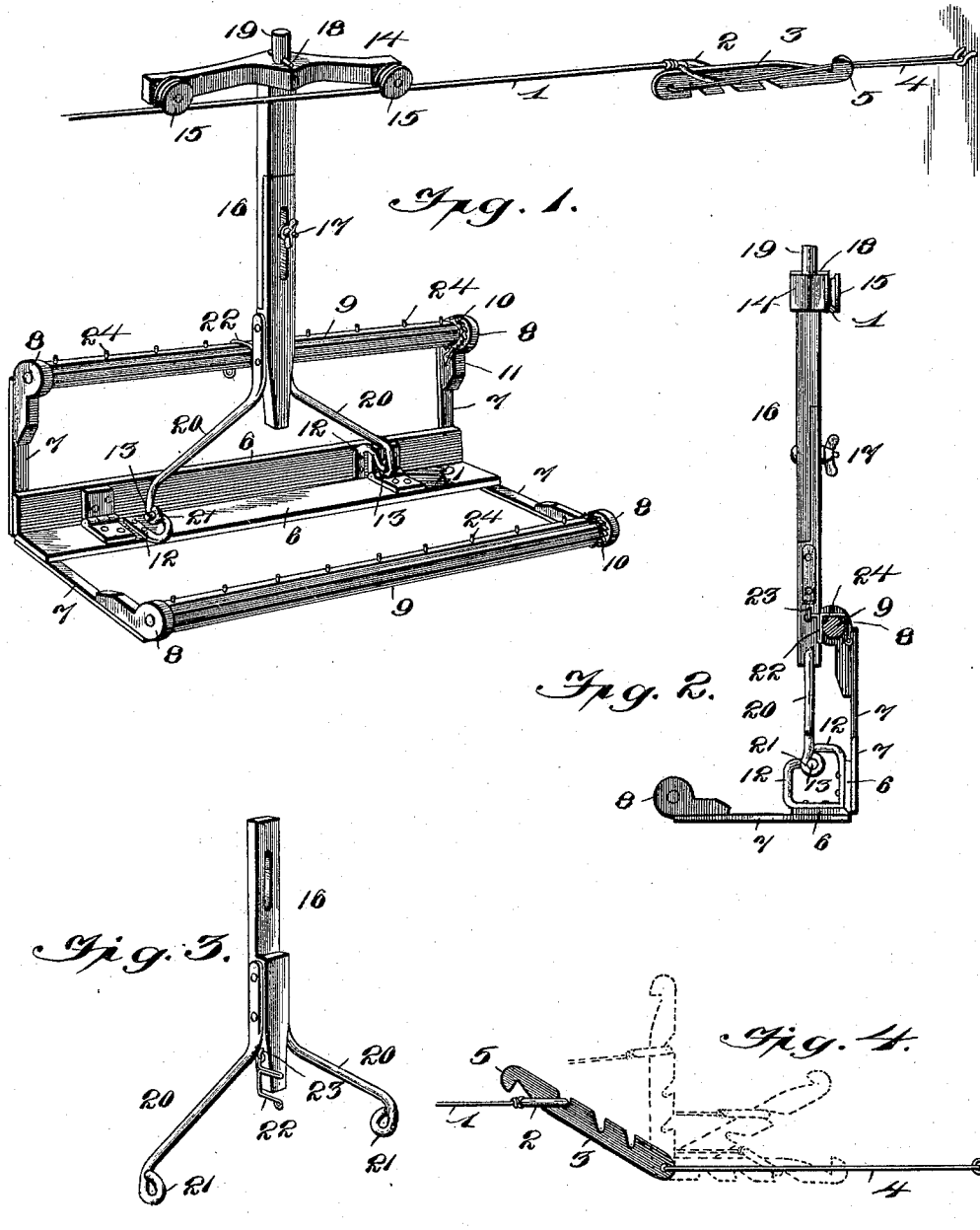


(No Model)

W. E. SCOBY & J. L. SPOONTS.
QUILTING FRAME.

No. 585,599.

Patented June 29, 1897.



Witnesses

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UNITED STATES PATENT OFFICE.

WILLIAM E. SCOBY, OF HILLSBOROUGH, AND JOSEPH L. SPOONTS, OF
MOFFAT, TEXAS.

QUILTING-FRAME.

SPECIFICATION forming part of Letters Patent No. 585,599, dated June 29, 1897.

Application filed July 31, 1896. Serial No. 601,207. (No model.)

To all whom it may concern:

Be it known that we, WILLIAM E. SCOBY, residing at Hillsborough, in the county of Hill, and JOSEPH L. SPOONTS, residing at Moffat, in the county of Bell, State of Texas, citizens of the United States, have invented a new and useful Quilting-Frame, of which the following is a specification.

This invention relates to quilting attachments to be used in connection with sewing-machines, and has for its object to provide a device which will admit of the goods to be quilted being held taut and moved in any required direction beneath the arm of the sewing-machine.

The improvement relates more particularly to the construction of the frame upon which the goods are stretched, whereby the attachment will occupy a minimum amount of room, the said frame being adapted to fold into a small compass for storing or setting aside and comprising two parts which normally stand at an angle to each other, the frame being pivotally attached to a suspending-bar, whereby either part may be brought beneath the arm of the sewing-machine without requiring the shifting of the goods to bring a new part into position to be quilted until after the exposed portions of the two parts have been quilted.

The improvement consists of the novel features, details of construction, and peculiar combination of elements which hereinafter will be more particularly set forth, illustrated, and finally claimed.

For a full understanding of the merits and advantages of the invention reference is to be had to the accompanying drawings and the following description.

The improvement is susceptible of various changes in the form, proportion, and the minor details of construction without departing from the principle or sacrificing any of the advantages thereof, and to a full disclosure of the invention an adaptation thereof is shown in the accompanying drawings, in which—

Figure 1 is a perspective view showing the attachment as it will appear when in use.

Fig. 2 is an end view showing the frame reversed. Fig. 3 is a detail view of the lower portion of the suspending-bar. Fig. 4 is a detail view showing the means for tightening the track-wire.

Corresponding and like parts are referred to in the following description and indicated in the several views of the drawings by the same reference-characters.

The track-wire 1 is secured at one end to a wall, partition, or other support in any convenient way, and its opposite end is provided with a ring 2, which is adapted to make adjustable connection with a notched bar 3, secured by means of a short wire 4 to a wall or other support in any desired manner, said notched bar 3 having a hooked end 5, which is adapted to engage with the short wire 4 and hold the track-wire under the required tension. When tightening the track-wire, the hooked end of the notched bar 3 is disengaged from the wire 4 and the ring 2 is slipped thereon and engaged with the proper notch, after which the notched bar is turned back upon the wire 4 and engaged therewith, substantially as shown in Fig. 1, thereby maintaining the track-wire in proper condition for supporting the attachment.

The quilting-frame comprises two parts which normally stand at about right angles to each other and which are hinged or pivoted together at their adjacent longitudinal edges, so that when the frame is not in use the parts can be folded together, thereby reducing the frame to a compact form. The longitudinal edges lying adjacent to each other are beveled, so as to provide a snug and neat joint between the parts and prevent any space when the parts are open, and these edges abut and limit the opening of the parts. The parts are similarly constructed and comprise a strip 6, end bars 7, having bearings 8 at their outer ends, and a roller 9, the latter being journaled in the bearings 8 and having a ratchet-wheel 10 at one end, which is adapted to cooperate with a pawl 11, pivotally connected with the adjacent bearing 8, so as to hold the roller from turning backward when the goods are subjected to tension. Brackets 12 are se-

cured to the strips 6, one being attached to the strip of one part and the other being secured to the strip of the other part, and these brackets have journals 13, by means of which the frame is pivotally mounted.

The carriage, which is adapted to travel upon the track-wire 1, is composed of a bar 14 and supporting-wheels 15, the latter being grooved to receive the track-wire and prevent slipping. The bar 14 is preferably curved or deflected between its ends, so as to bring the suspension-bar 16 to one side of the track-wire.

The suspension-bar 16 is composed of two members which are adjustably connected together, so as to admit of the bar being lengthened or shortened to vary the elevation of the frame, as may be required, the members having longitudinal slots in coincident relation, through which operates a binding-screw 17, by means of which the members are held in the adjusted position. The upper end of the suspension-bar is reduced and is journaled in the bar 14, so as to admit of the frame being turned horizontally to any angle, a pin 18 passing through the journal 19 above the bar 14, so as to retain the suspending-bar from vertical displacement. Rods 20 are attached to the opposite sides of the suspending-bar and curve outwardly and downwardly in opposite directions and terminate in eyes 21, which receive the journals 13, whereby the frame is capable of rocking, so as to bring either part into a horizontal position and in condition to be passed beneath the arm and needle-bar of a sewing-machine. A hook 22 is secured by a staple 23, or in any other convenient way, to the lower end of the suspending-bar, so as to admit of its being swung from one to the other side of the suspending-bar to engage with either roller, so as to maintain the suspending-bar and frame in a relatively fixed position.

The rollers 9 have hooks or points 24 at intervals in their length to make positive engagement with the parts to be quilted. The top and lining with the interposed filling are stretched around the frame, and their end portions are wound upon the rollers 9, the tension upon the goods serving to hold the parts of the frame open and about in the relation shown in Figs. 1 and 2. After the goods on one part of the frame has been quilted the frame is rocked so as to bring the part previously occupying a vertical position into a horizontal position and the horizontal part into a perpendicular position, and the hook 22 is reversed and engaged with the vertical part, after which the quilting operation can be proceeded with, as will be readily understood.

Having thus described the invention, what is claimed as new is—

1. In a quilting attachment for sewing-machines, the combination with a suspending device, of a quilting-frame composed of two parts arranged approximately at right angles to each other and pivotally connected with the suspending-bar so as to admit of either part being brought into an approximately horizontal position, substantially as and for the purpose set forth.

2. In a quilting attachment for sewing-machines, the combination with a suspending device, of a quilting-frame composed of two parts arranged approximately at right angles to one another, and a fastening having reversible connection with the suspending device and adapted to engage with either part of the quilting-frame so as to hold one or the other part in an approximately horizontal position, substantially as set forth for the purpose described.

3. In a quilting attachment for sewing-machines, the combination of a suspending device, a quilting-frame composed of two parts having pivotal connection and adapted to fold upon each other, and limited when open so as to stand approximately at right angles to each other, means for pivotally connecting the frame with the suspending device so as to admit of either part being brought into an approximately horizontal position, and a fastening having connection with the suspending device and adapted to hold either part of the quilting-frame in an approximately horizontal position, substantially as and for the purpose set forth.

4. In combination, a track-wire, a carriage adapted to travel upon the track-wire, an adjustable suspending-bar journaled to the carriage, a quilting-frame composed of two parts hinged together and limited in their opening movement, each part bearing a roller at its outer end which is provided with means to prevent its backward rotation, means for pivotally connecting the frame with the suspending-bar consisting of brackets secured to the respective parts of the quilting-frame, and rods attached to the said suspending-bar, and a fastening reversibly connected with the suspending-bar and adapted to engage with either part of the quilting-frame, substantially as and for the purpose set forth.

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

WILLIAM E. SCOPY.
JOSEPH L. SPOONTS.

Witnesses:

FRANK H. BOOTH,
W. E. SPELL.