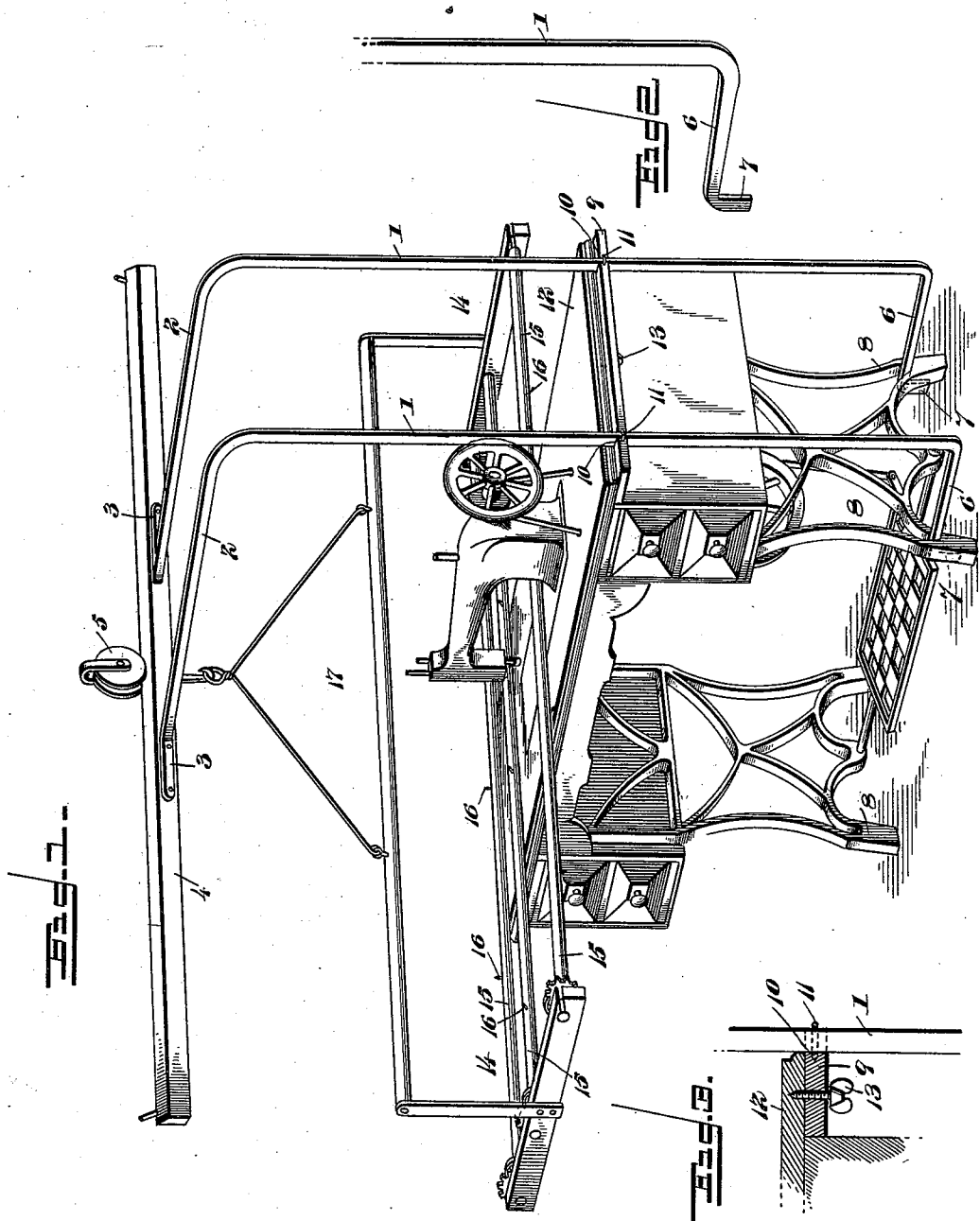


(No Model.)

R. D. MOON, W. H. SPAKE & J. H. BAIN.
QUILTING ATTACHMENT FOR SEWING MACHINES.

No. 554,829.

Patented Feb. 18, 1896.



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UNITED STATES PATENT OFFICE.

RICHARD D. MOON, WILLIAM H. SPAKE, AND JAMES H. BAIN, OF FERRIS,
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QUILTING ATTACHMENT FOR SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 554,829, dated February 18, 1896.

Application filed July 16, 1895. Serial No. 556,164. (No model.)

To all whom it may concern:

Be it known that we, RICHARD D. MOON, WILLIAM H. SPAKE, and JAMES H. BAIN, citizens of the United States, residing at Ferris, in the county of Ellis and State of Texas, have invented a new and useful Quilting Attachment for Sewing-Machines, of which the following is a specification.

This invention relates to quilting-frame attachments for sewing-machines, and has for its object the provision of a device which can be readily applied to any sewing-machine without marring or disfiguring the top thereof, and which will not overbalance the machine when quilting a large-sized bed-covering, and which can be easily detached and stored in a small compass so as to occupy a minimum amount of room when not required for use.

The attachment is applied and secured both to the frame of the sewing-machine and to its top or table; and it consists of two bars having their upper ends overhanging the machine-table and having their lower ends bent so as to clear the projecting end of the table and the end drawers, if there be any, and having the said lower ends terminating in hooks or otherwise formed to engage with the lower portion of the sewing-machine frame, a bar connecting the aforesaid two bars and adapted to be removably attached to the sewing-machine table, and a track attached to and supported by the said two bars, and upon which travels the carrier from which the quilting-frame is suspended.

The improvement also consists of the novel features which hereinafter will be more fully set forth and claimed, and which are illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view showing the application of the invention. Fig. 2 is a detail view of the lower portion of a supporting-bar. Fig. 3 is a detail view in section showing the manner of attaching the device to the sewing-machine top or table.

The supporting-bars 1, two in number, are of similar construction and extend in parallel relation. The upper portions of the supporting-bars are bent so as to form overhanging arms 2, the extremities 3 of which are bent in opposite directions and are secured rigidly

to a plank or board 4, forming the track upon which the carrier 5 travels. The lower end portions, 6, of the supporting-bars are bent and extend in the same direction with the overhanging arms 2, and the extremities 7 are deflected so as to provide hooks or projections to engage with the inner side of a standard 8 of the sewing-machine frame so as to prevent outward displacement of the lower ends of the supporting-bars 1 after the latter have been properly positioned. A bar 9 is notched in its edges, as shown at 10, to receive the supporting-bars 1, and the latter are held within the notches 10 by means of staples 11 or other suitable fastenings, and this bar 9 unites the supporting-bars 1 and provides a ready means of attachment of the supporting-bars with the sewing-machine top or table 12. A thumb-screw 13 is threaded in the bar 9 and is adapted to screw into the under side of the top or table 12 and hold the bar 9 and the supporting-bars 1 in proper position. The sole function of the bar 9 is to connect the supporting-bars 1 to the frame of the sewing-machine and brace them at an intermediate point of their length.

The quilting-frame 14 may be of any desired construction, and the fabric-supporting rolls 15 thereof are supplied in their length with a series of teeth 16 for positive engagement with the said rolls of the lining and fabric to enter into the formation of the quilt, and this quilting-frame has a bail 17, by means of which it is suspended from the carrier 5.

When it is required to use the attachment, the lower end portions of the supporting-bars are passed through the open-work of the standard 8 of the usual sewing-machine frame, and the projecting hooked extremities 7 are engaged with the inner side of the said standard in such a manner as to prevent the outward displacement of the lower portions of the said supporting-bars. The bar 9 is moved so as to engage with the under side of the projecting end portion of the sewing-machine top or table 12, and is attached to the latter by means of the thumb-screw 13. The weight of the overhanging arms 2 and the track 4 will have a normal tendency to lower the extremities of the said arms 2 and cause an outward displacement of the lower end portions of the

said supporting-bars, but this tendency is overcome by the positive engagement of the projections or hooks 7 with the inner side of the standard 8. Thus it will be seen that the greater the weight imposed upon the track 4 the firmer will be the pressure of the projections or hooks 7 against the inner side of the standard 8.

The attachment is designed to be applied to the end of the sewing-machine, and by this arrangement the largest-sized frame can be operated upon the track 4 and a bed-covering of the greatest dimensions be quilted without overbalancing or rendering the sewing-machine unstable. By loosening the thumb-screw 13 the attachment can be quickly removed from the sewing-machine by disengaging the hooks or projections 7 from the standard of its framework. Thus it will be seen that the attachment is simple and can be quickly adjusted to a working position or detached from a machine and stored away when not required for use.

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

The herein shown and described quilting attachment for sewing-machines, comprising similar supporting-bars having their upper

portions bent to overhang the sewing-machine table, and having their lower portions bent from the same side to form horizontal portions to pass through the open-work of the standard of the sewing-machine frame and terminating in vertical projections to engage with the opposite side of the said standard from that through which the said horizontal portions are passed, a bar 9 connecting the supporting-bars and notched to receive the latter, fastenings for securing the said supporting-bars in the notches of the connecting-bar, means for removably attaching the said connecting-bar to the under side of the projecting end portion of the sewing-machine top or table, and a track secured to the overhanging arms or portions of the supporting-bars and adapted to form a means of support for the quilting-frame, substantially as set forth.

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

RICHARD D. MOON.
WILLIAM H. SPAKE.
JAMES H. BAIN.

Witnesses:

H. H. STEPHENS,
A. A. MCCRARY.