

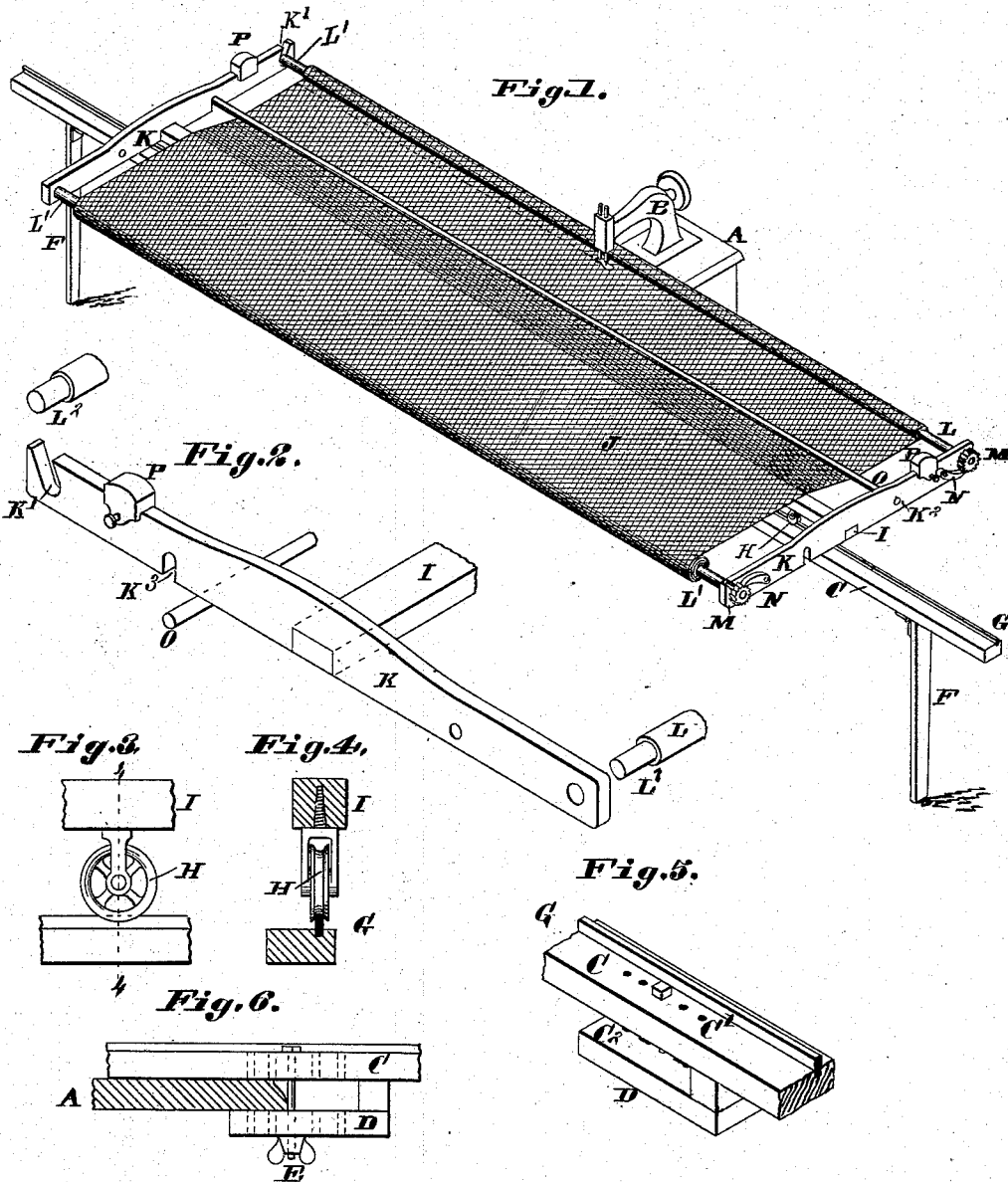
(No Model.)

H. T. DAVIS.

QUILTING ATTACHMENT FOR SEWING MACHINES.

No. 289,395.

Patented Dec. 4, 1883.



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# UNITED STATES PATENT OFFICE.

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## QUILTING ATTACHMENT FOR SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 289,395, dated December 4, 1883.

Application filed March 21, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, HENRY T. DAVIS, of the city of St. Louis, in the State of Missouri, have invented a certain new and useful Improvement in Quilting-Frames for Sewing-Machines, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

My invention relates to those quilting attachments for sewing-machines which are provided with a frame having suitable wheels running on a track mounted on a suitable support, and extending at the side onto the machine-table.

My improvement consists in certain details of construction hereinafter described, and pointed out in the claims.

Figure 1 is a perspective view of the frame in use. Fig. 2 is an enlarged perspective view of an end portion of the frame. Figs. 3 and 4 are respectively a detail elevation and a section showing a supporting-wheel upon the rail. Fig. 5 is a detail perspective view of part of the track-rail and clamp connecting it to the sewing-machine table; and Fig. 6 is a side view of the clamp, with the table in section.

A is the table of a sewing-machine, and B the fixed arm carrying the needle-bar.

C is a straight rail, that is laid upon the table and secured thereto by clamps D, that engage beneath the table and are tightened by screws E. The screw E is adjustable along the rail by means of series of holes C' C', into any of which the screw may be inserted, so as to accommodate the clamp to tables of various widths.

As a modification, the clamp may be made adjustable upon the rail, when only one hole of the series C' would be required. The ends of the rail are supported upon hinged legs F, that may be folded up to the bottom of the rail when the frame is packed away. The rail has a track-strip, G, upon which run grooved wheels H, that are attached to the longitudinal central rail, I, of the frame upon which the quilt J is stretched.

K K are the end bars of the frame, said bars being fixed transversely to the ends of the rail I.

L L are the rollers upon which the quilt is rolled. These rollers have journal-bearing in the bars K, one end, L', of each roller turning in a closed socket, and the other end, Z', in an open socket, K', allowing the removal of the end of the roller transversely.

M M are ratchet-wheels upon the end of each roller, with pawls N N to engage the ratchet-wheels and prevent the retrograde rotation of the rollers.

O is a stretcher-bar fitting at one end in a hole, K<sup>2</sup>, and at the other end in a notch, K<sup>3</sup>, so that the bar can be taken out by first removing an end from the notch K<sup>3</sup>, and then drawing out the other from the hole K<sup>2</sup>.

P P are adjustable weights made to fit the upper edge of the bars K, and fixed in position by set-screws turning in one of the embracing-lips and bearing against the side of bar K. The weights P are for the purpose of holding down the side of the frame which rests upon the table A, the weights being made removable from side to side for that purpose.

The frame is shown made of wood; but I do not confine myself to this material, for the rolls and bars as well as the rod and rollers may be made of gas-pipe or metal in other form, or of wood.

The operation is as follows: The quilt is rolled upon the rollers L in the manner shown when it is desired to run lines of stitches parallel with the edges. When stitching obliquely to the edges, the quilt is rolled upon the rollers, accordingly the lines of stitches always being parallel to the rollers. After one-half the quilt (more or less) has been stitched, the quilt is rolled upon the rollers L in the opposite directions, the pawls being changed accordingly, and the frame is removed from the track-rail C and turned half around, so as to bring the other one of the rollers L beneath the arm B, and the quilting is completed from the other side.

I claim herein as new and of my invention—

1. An adjustable weight, P, in combination with a quilting attachment having guide-rail and its supports, and adapted to be supported at one side on the sewing-machine table.

2. In combination with a quilting attachment having guide-rail and its supports, and adapted to rest at one side on a sewing-machine table, the weights P, adjustable on  
5 the transverse bars of the attachment, as set forth.

In testimony of which invention I have

hereunto set my hand this 24th of February, 1883.

HENRY T. DAVIS.

Witnesses:

SAML. KNIGHT,  
C. VANDER VOET.