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S. B. LAWRENCE.

Improvement in Hemmer for Sewing Machine.

Fig. 1.

No. 122,180.

Patented Dec. 26, 1871.

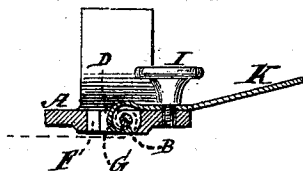


Fig. 2.



Fig. 3.

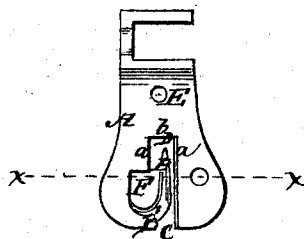


Fig. 4.

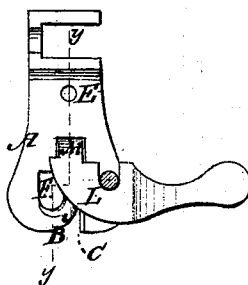
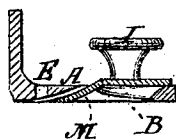


Fig. 5.



Witnesses:

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UNITED STATES PATENT OFFICE.

STEPHEN B. LAWRENCE, OF SCARSDALE, NEW YORK.

IMPROVEMENT IN HEMMERS FOR SEWING-MACHINES.

Specification forming part of Letters Patent No. 122,180, dated December 26, 1871.

Specification describing an Improved Hemmer and Braider, invented by STEPHEN B. LAWRENCE, of Scarsdale, in the county of Westchester and State of New York.

My invention will be first fully described in connection with all that is necessary to a full understanding thereof, and then be clearly pointed out in the claims.

Figure 1 is a transverse sectional elevation of the attachment when the hemmer-scroll is applied, the section being taken on the line *xx* of Fig. 3. Fig. 2 is a plan view of the hemmer-scroll. Fig. 3 is a plan view of the part of the attachment with which the hemmer-scroll and braiding-tongue are used. Fig. 4 is a plan view of the attachment when adjusted for braiding; and Fig. 5 is a section of Fig. 4 on the line *yy*.

A represents a presser-attachment, with a point, B, slot C D, and a needle-hole, E, similar to what has been heretofore used, together with a hemmer-scroll permanently attached, except that I make the walls *a* of the slot parallel with each other to the end next to the needle, and the end wall *b* perpendicular to *a a*; and I make a considerable enlargement of the slot on the left-hand side of the tongue B near the base, as shown at F. With this device I combine a detachable scroll, G, which is formed on one end of a plate, J, properly shaped for supporting the said scroll in the necessary relation with the point B when clamped to the top of A by the thumb-screw I, a notch, H, being provided in said plate for the screw, and adapted to allow the plate to be applied or removed without wholly removing the screw. At the right of the screw this plate terminates in a handle, K. L is a small plate similar in all respects to plate J, except that, instead of a scroll, it is provided with a tongue, M, arranged to fit in the slot C D between the walls *a a* and close to *d*, so as to form a suitable guide for guiding narrow flat braid to the needle to be sewed on the cloth. The said

tongue curves under the piece A toward the needle, as shown in Fig. 5, said piece A being similarly curved to form a descending passage extending nearly to the needle. The notch F is provided for dropping the point of the scroll below the point B and raising it out again in applying and removing the said scroll, which, after being so dropped below the point, is moved forward into the narrow part of the slot to its working position; and when it is to be detached it is first moved backward to notch F and then lifted out. The scroll being oscillated on the screw I may be adjusted at the edge next the needle nearer to or further from the point B, to have the space between it and the point correspond to the thickness of the goods. The edge of the scroll nearest the needle and the end of point B terminate at about the same point, and by this the introduction of the goods is greatly facilitated by passing the rolled or folded corner under the presser beyond the point B, inserting the point in the fold and the latter between the point and the scroll, and then drawing the goods backward. I propose to curve the heel of the point B, as shown at B', to facilitate the entry of the goods into the slot *c*, but more particularly to facilitate the hemming round or curved corners, which it does by allowing the fold to be partly raised on the edge of the cloth before the latter comes into line with the slot.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. A hemmer, consisting of presser A, having slot C D and point B', and the detachable scroll G J secured by a screw, I, or its equivalent, as described.

2. In hemmers, the piece A, notched at F, as and for the purpose described.

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Witnesses:

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