

MILO HARRIS.

Improvement in Hemming and Binding Attachment for Sewing Machines.

No. 120,969.

Patented Nov. 14, 1871.

Fig. 1.

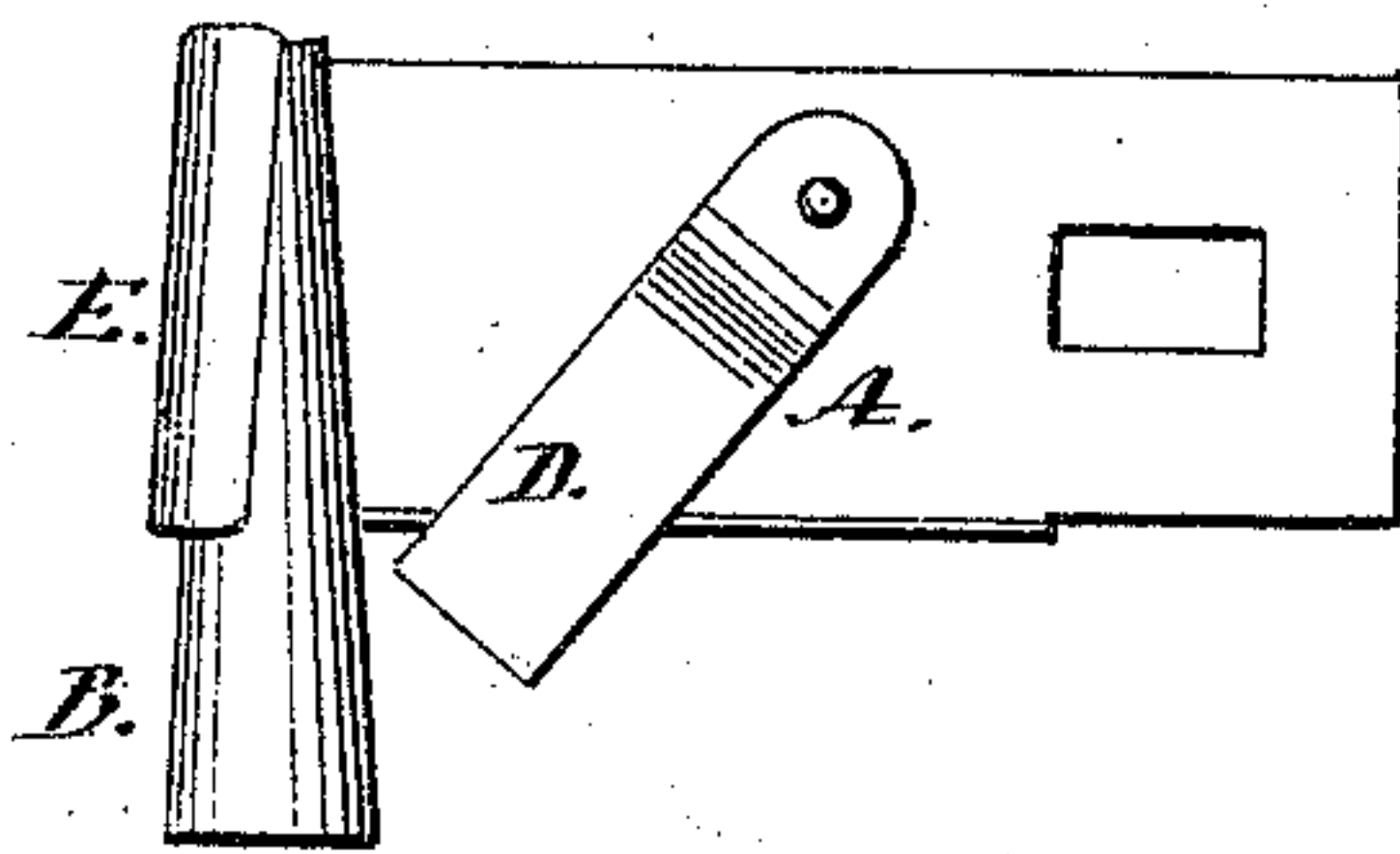


Fig. 2.

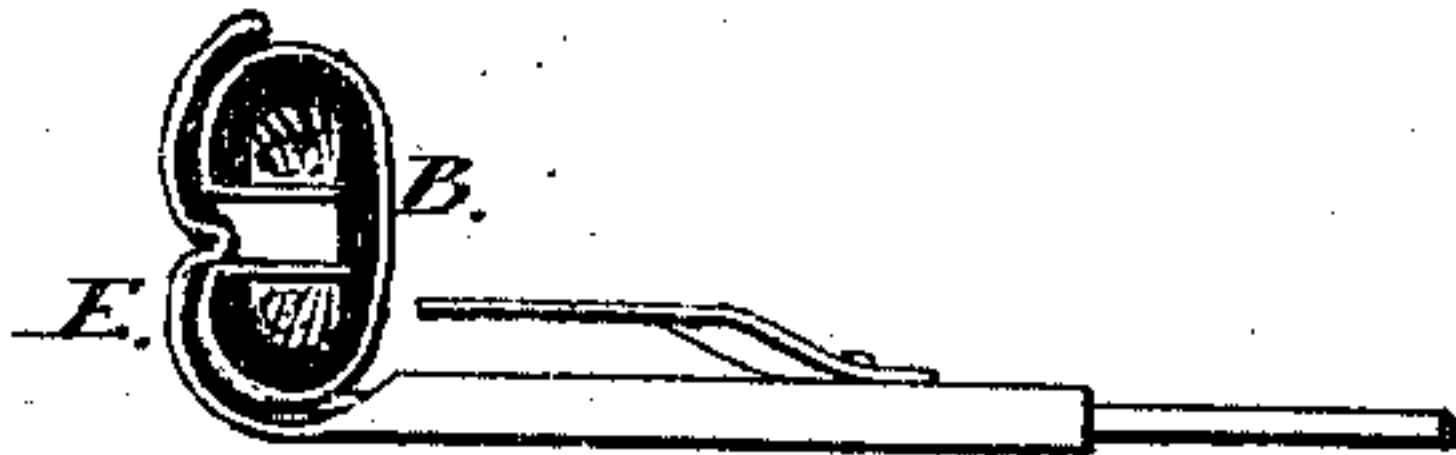


Fig. 3.

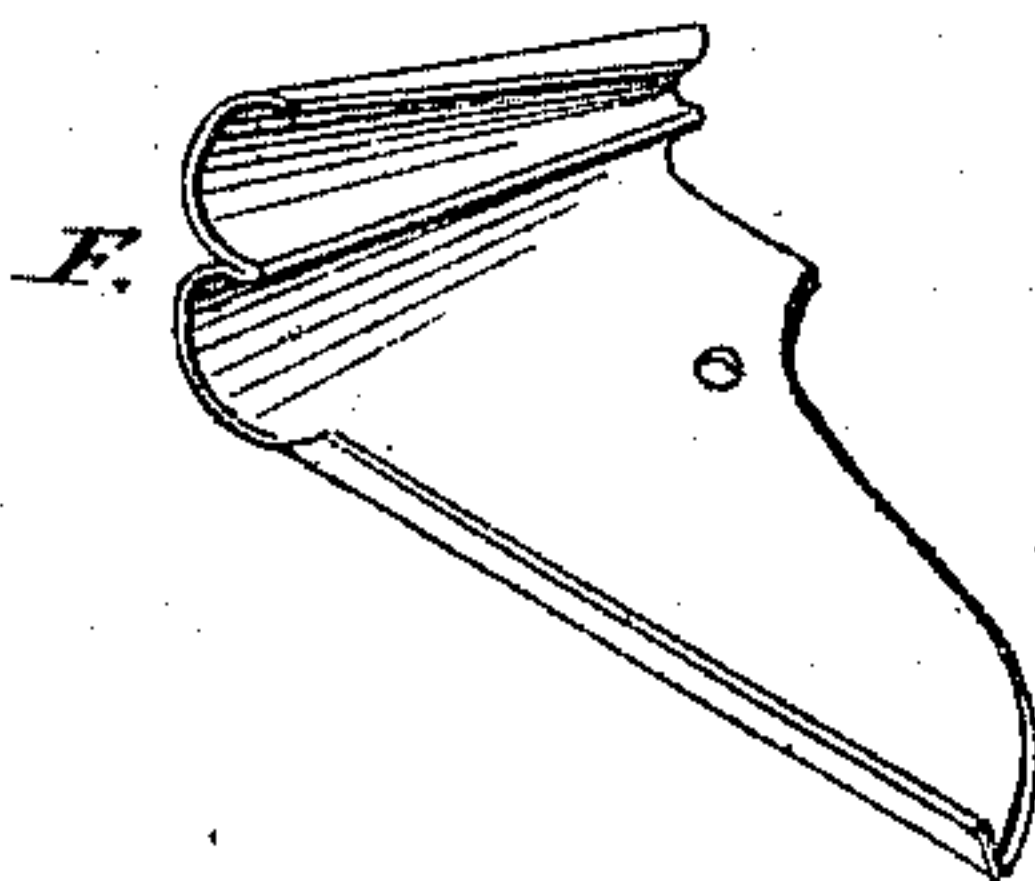
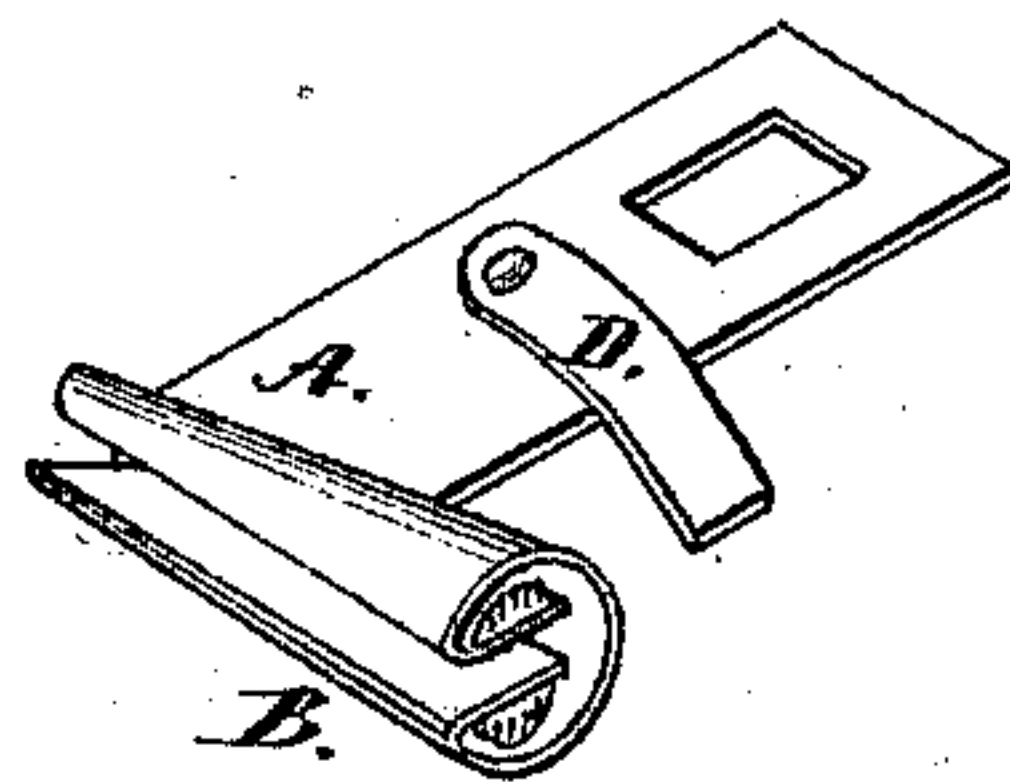


Fig 4



Witnesses.

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IMPROVEMENT IN HEMMING AND BINDING ATTACHMENTS FOR SEWING-MACHINES.

Specification forming part of Letters Patent No. 120,969, dated November 14, 1871.

To all whom it may concern:

Be it known that I, MILO HARRIS, of Jamestown, county of Chautauqua and State of New York, have invented an Improved Hemmer and Binder-Guide for Sewing-Machines; and I do hereby declare the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification.

This invention consists in an attachment, constructed as hereinafter described, to hem or bind, so that when the goods are properly folded back the stitching will not show on the right or face side.

Figure 1, plan of hemmer and binder with guide attached; Fig. 2, end view of the same; Fig. 3, perspective view of guide; Fig. 4, perspective view of hemmer and binder without the guide attached.

Similar letters of reference indicate corresponding parts.

A is a plate attached to the bed of a sewing-machine by means of the common gauge-screw. B is a double scroll for forming and turning a hem or binding, and is rigidly attached to plate A, as shown. C is the corrugated former in end of double scroll, over which the goods pass to turn the hem or binding. D is a sliding stop, used in hemming to prevent the goods from driving up or down on the back side, and is swung around out of the way when binding. E is the movable guide, to be attached to the hemmer and binder when it is wished to make a hem or bind and not have the stitching show on the face side, and can be detached when hemming or binding in the common way.

In a practical illustration it will be seen that both edges of a piece of goods the proper width passed into the large end of the scroll B and around the former C, and drawn along and out of the point of said scrolls, will be turned, and a piece of goods passing between the scrolls and under the needle will be bound by the goods in

the scrolls, and both edges of the binding will be turned, and the stitch will show on both sides. Now, if the goods are put in as described and the piece to be bound is turned back over the upper scroll and then sewed and folded back, the stitch will not show, which is desirable on some kinds of goods; but the trouble in doing it in this manner is the difficulty in keeping the goods to be bound even and true. Now, to obviate this I make the movable guide E, as shown in Fig. 3, and attach it to the hemmer and binder, as shown in Figs. 1 and 2, by the gauge-screws. This guide consists of a piece of metal so formed as to pass under the bed-plate of hemmer and binder and closely around the lower scroll, and rests firmly on the upper side of the lower scroll; and it then passes up and part way over the upper scroll, with room enough between that and the upper scroll to let the goods to be hemmed or bound pass freely through. Now, a piece of goods for binding put in as shown and the goods to be bound passing over the upper scroll, and so on down between the scrolls, will be held in its place by the guide E so as to make the seam even and true, and when the goods are turned back the stitch will not show on the face side; and when a piece of goods is desired to be hemmed so as not to show the stitches on the face side, the goods should pass between the upper scroll and the guide E, and thence down between the scrolls and around the lower former C, and so out at the point of scrolls and be stitched, and the goods folded back, and the desired result is obtained.

I am aware of patent No. 117,557 for a device operating like mine; but my device is somewhat differently constructed.

I claim—

The guide E, in combination with the double scroll B, all constructed as and for the purpose set forth.

Witnesses:

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