

W. PRICE.
Guide and Hemmer.

No 28,774.

Patented June 19, 1860.

Fig. 1.

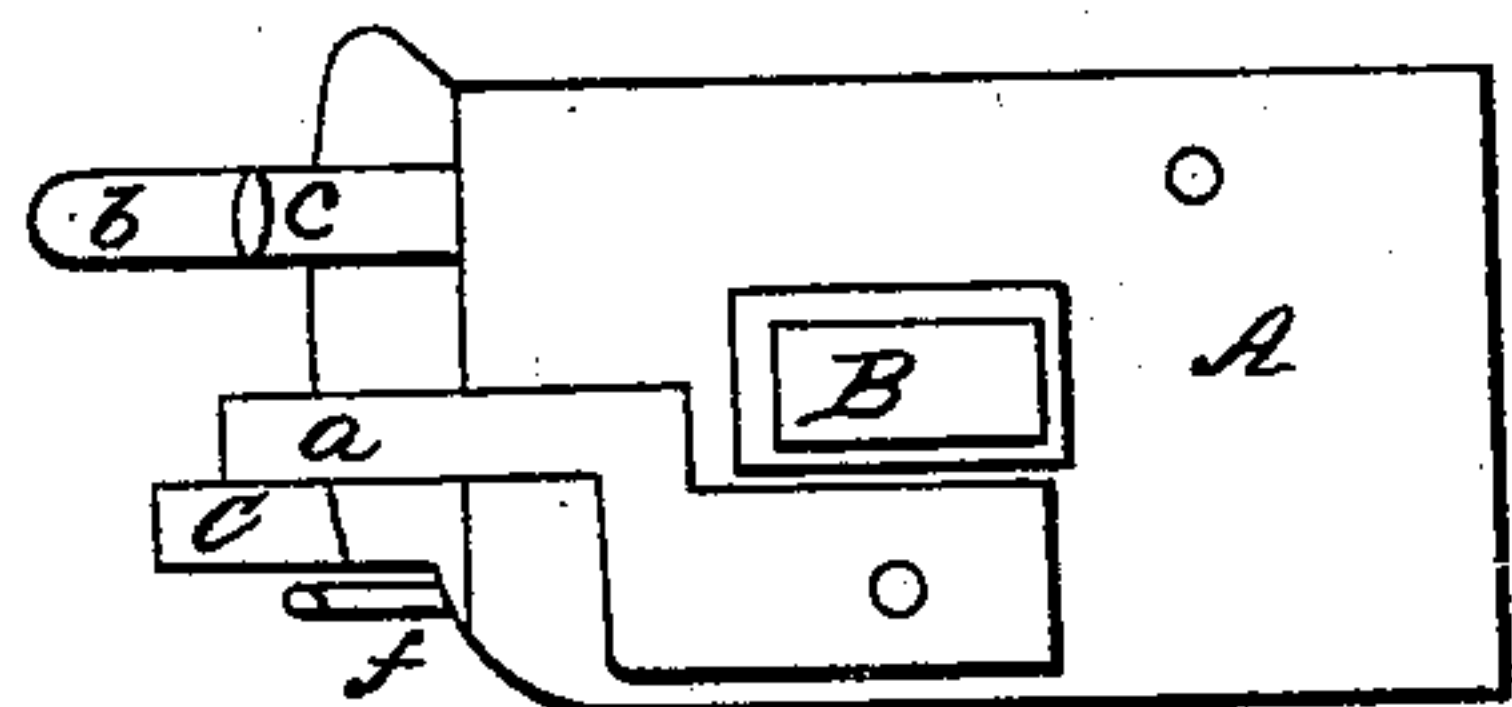


Fig. 2.

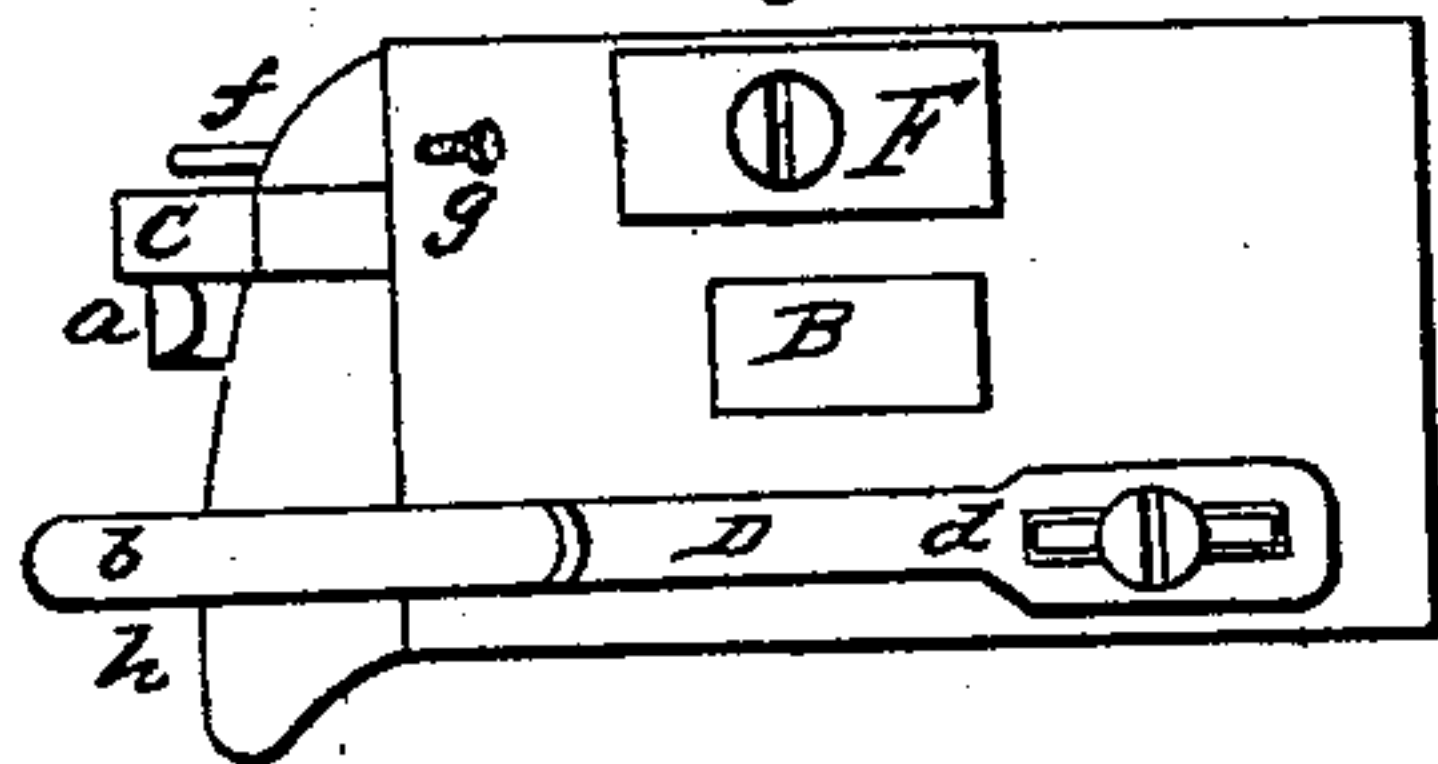
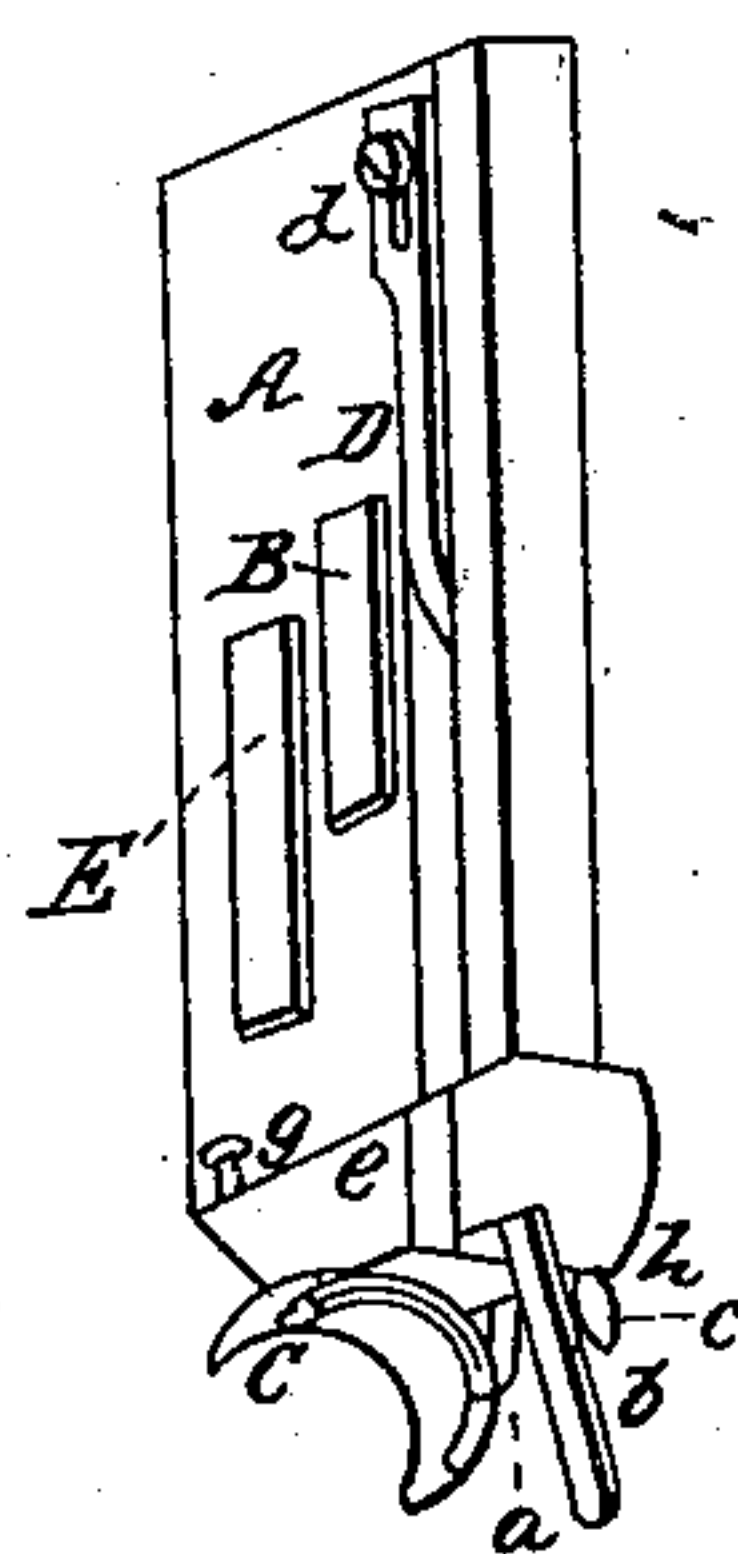


Fig. 3.



Witnesses:
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UNITED STATES PATENT OFFICE.

WILLIAM PRICE, OF NEW YORK, N. Y.

IMPROVEMENT IN BINDING-GUIDES FOR SEWING-MACHINES.

Specification forming part of Letters Patent No. 28,774, dated June 19, 1860.

To all whom it may concern:

Be it known that I, WILLIAM PRICE, of the city, county, and State of New York, have invented a new and useful Improvement in Adjustable Binding-Gages for Sewing-Machines; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, figures, and letters of reference thereon, making part of this specification.

Of the said drawings, Figure 1 denotes an under side view of my improved binder. Fig. 2 is a top view of the same, and Fig. 3 a perspective view.

Similar letters of reference indicate like parts in all the drawings.

In the many binders heretofore used it has been found extremely difficult to hold and control properly the edges of the binding while sewing it on the material, particularly in irregular forms and on variable thicknesses of material.

The nature and object of my invention is to obviate these difficulties by the employment of devices which will be fully described and shown hereinafter.

To enable others skilled in the art to make and use my improvement, I will proceed to describe its construction and operation.

A represents a metallic plate, cast of the desired shape, with a slot, B, therein to secure it to the bed of a sewing-machine by a screw.

C is the doubling-guide, against which the edge of the cloth passes, and also forms a mouth through which the binding passes as the feeding of the material and sewing progress.

D is a spring-bar, slotted at *d* for adjustment, and held in place by a screw, while the other end is provided with a hook or lip, *c*, which controls the upper edge of the binding, and also presses it closely to the material in close proximity to the needle. Attached to and forming a part of the bar D there is a bar, *b*, which rests on the top part of the pressure-pad, so that it may be raised and lowered therewith, the slot *e* guiding the bar as it is moved up and down. The under edge of the binding is held close to the folding-guide and mouth by the adjustable lip or hook *a*, (the

lip-bar being provided with a lug passing up into a slot, and held in place by a clamp-screw and cap, E,) as shown in all the figures. Directly back of the mouth C is a supplementary guide, *f*, for controlling the upper edge of the binding, which is held in place by a set-screw, *g*.

Operation: The operator takes the desired width of binding and inserts it in the mouth C, as indicated by the red line in Fig. 3, and by means of the screw and slot *d* and screw *g* adjusts the hooks *c* and *f* to control the upper edge of the binding, and then adjusts the hook *a* by the screw and plate E to control the under edges, allowing sufficient room for the binding to pass freely to the material. The binder is then secured to the machine by a screw passing through the slot B, and by cutting away or in most cases replacing the ordinary presser-foot, so as to get the binder in proper position to receive the edge of the material and binding for the successive stitches.

The red dot *h* indicates nearly the proper position of the needle, which should be just forward of the hook *c* and bar *b*.

It will be obvious to any one skilled in the use of binders that this one may readily be attached to any sewing-machine which feeds the material to the right, and work all ordinary widths of binding, which, by means of the guiding-hooks *a*, *c*, and *f*, is properly held and presented to the edges of thick or thin material.

I am aware of the binder described in Singer's patent, June 3, 1856, and other binders patented prior to that date, and also others subsequently, and I disclaim any and all devices patented to others; but

I claim as my improvement in binders—

The arrangement of the guide-hook *c* and bar *b* on the bar D, as described, in combination with the hook-guide *a*, wide mouth C, and supplementary guide *f*, the whole being constructed and operating substantially as and for the purposes set forth and described.

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Witnesses:

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