G. W. WHITE.

Guide for Binding, &c.

No. 131,583. Patented Sep. 24, 1872.

Fig. 1.

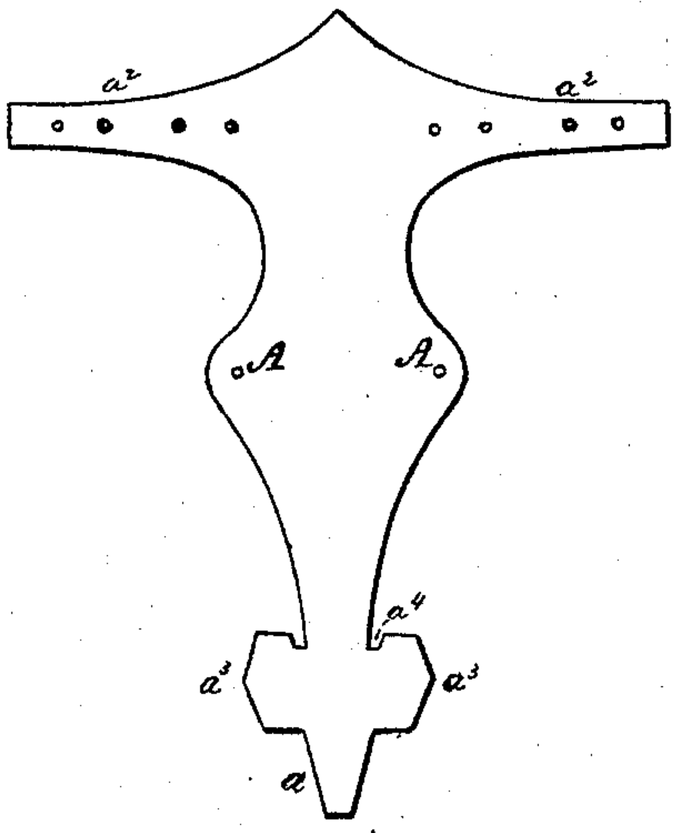


Fig. 2.

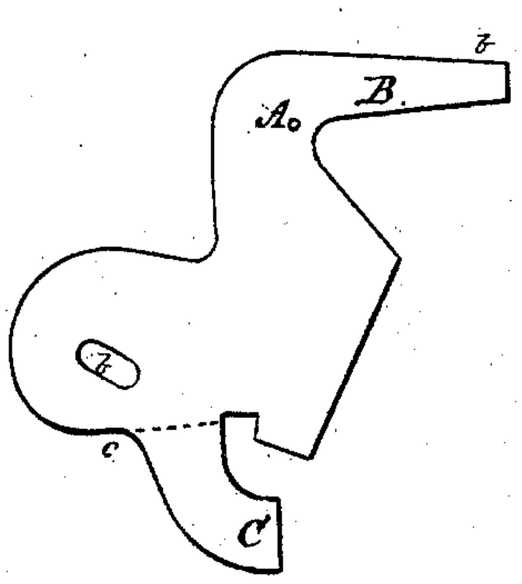


Fig. 3.

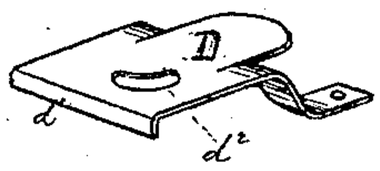


Fig. 4.

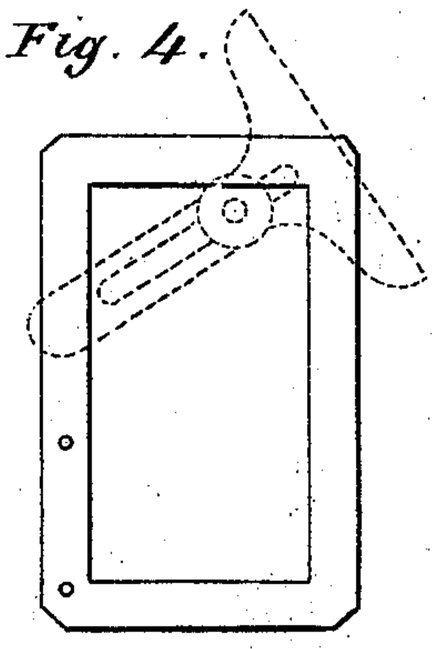


Fig. 5.

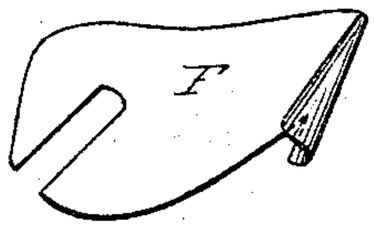


Fig. 6.

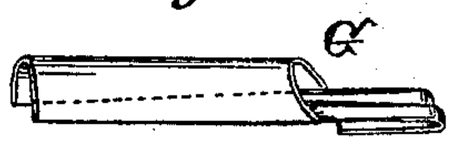


Fig. 7.

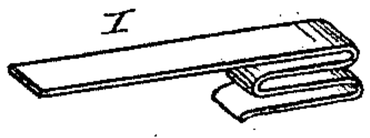


Fig. 8.

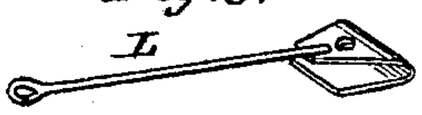
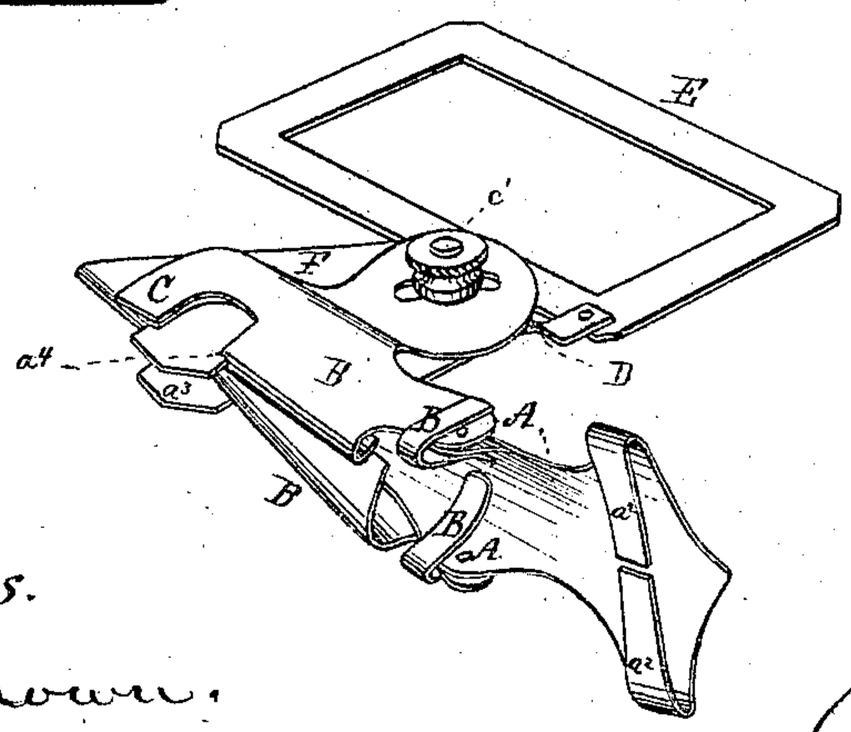


Fig. 9.



Witnesses.
Edw. F. Brown.
Edmund Masson.

Inventor.
Geo. W. White

UNITED STATES PATENT OFFICE.

GEORGE W. WHITE, OF NEW YORK, N. Y.

IMPROVEMENT IN GUIDES FOR BINDING, &c.

Specification forming part of Letters Patent No. **131,583**, dated September 24, 1872.

To all whom it may concern:

Be it known that I, GEORGE W. WHITE, of the city, county, and State of New York, have invented certain Improvements in Guide for Binding, Hemming, and Forming Folds, of which the following is a specification:

The object of my invention is to construct a simple and efficient guide to assist in hand or machine sewing to be used for braid-binding, bias-strip binding, (to be put on with a blind stitch, or when it requires the edges to be turned under before stitching,) forming folds and piping, and as a hemmer, (turning a hem up or down, as desired;) also, for stitching a strip on the face of fabrics, turning both edges under while only one is being stitched, so that the other edge can afterward be turned from under and the strip stitched on flat; also, and more particularly, constructing the said guide so that it can be adjusted for different widths of braid and strips, and when used in hand-sewing it saves the trouble of basting, holding the braid or strips in place while being sewed.

Reference being had to the annexed drawing—

Figure I represents the guide A, formed of a single piece of metal, as shown, which, when bent on itself, forms the guide for the back of the binding and the support for the scrolls and other devices hereinafter mentioned. The notches a^4 receive and the flanges a^3 support the ends of the scrolls.

Fig. II represents the upper scroll, cut in the same manner, the perforations being for a rivet to connect it with the guide A. The slot *b* is to allow the screw which is riveted to the bottom scroll to move in it, so that the scrolls may be adjusted in relation to each other. The bottom scroll is like the upper one, except that it is cut off at the dotted line *c*, and has a set-screw, *c'*, that enters the slot in the upper scroll. The point C in the upper scroll is intended to cover the binding and hold it in place after it leaves the scrolls, and by turning the edge under, to overlap the point of the back, it can be used as a very narrow hemmer.

Fig. III represents the step or center plate D. This plate at its forward end d^1 is secured to the back of the piece A, near its center, thus elevating the attachment above the bed-plate; it is also slotted at d^2 to allow the adjustment of the upper and lower scrolls, and at its rear end it is secured to the hollow square or other device used for fastening it to the machine. I have found it of great value to elevate the attachment above the bed-plate, because it allows fabrics to pass under the guide when they require to have a fold stitched parallel with and at a distance from the edge. The guide can be held in the hand.

Fig. IV represents the base-plate E of the attachment formed as a hollow square, (or of other shape;) and to this plate the step-plate is fastened, it occupying different positions when used on different machines. The plate E is fastened to the machine by means of the ordinary gage and screw, as shown.

Fig. V represents the narrow hemmer F, to be used in connection with the edge *a* of the guide when folded, and when in position it overlaps the point of it, as in Fig. IX, and is fastened under the top scroll by the adjusting-screw.

In Fig. VI, G is a device to be attached to the guide A at its entrance, for the purpose of folding and holding in shape an extra strip to be sewed to, within, or on a hem, a binding, or a fold, giving the strip a single turn, and bringing the edges together and guiding them to a position to be stitched to, within, or on said binding, hem, or fold.

In Fig. VII, I represents a device which may be attached to the portion *b* of the upper scroll, when hemming, to form a dividing-ledge when a hem is being turned up or down, substantially the same as in patent No. 110,810.

The device L, Fig. VIII, may be used to guide a cord when forming piping, and is to be attached to the guide A.

Fig. IX represents my device completed and with the parts in position for operation. The upper and lower scrolls B are pivoted to the guide A, and are made adjustable by means of the screw *c'*. The portions a^2 of the guide are to enable me to secure different additional devices, as shown in Figs. VI and VIII, to the guide A.

Having shown and described my invention, I desire to secure by Letters Patent the following:

1. The adjustable double hemmer, consisting of the concave back and the pivoted adjustable scrolls, as and for the purpose set forth.

2. The guide-piece A, formed as shown and described, and provided with the arms a^2, flanges a^3, and notches a^4.

3. The device G, in combination with the guide A and scrolls B, when constructed and operating as set forth.

4. The guide and scrolls, constructed as described, and secured to the elevated step-plate to allow the guide to rise above the cloth-plate, for the purpose set forth.

GEO. W. WHITE.

Witnesses:
EDMUND MASSON,
EDM. F. BROWN.