

JOHN B. PRICE.

Braid-Guide for Sewing-Machine.

No. 125,986.

Patented April 23, 1872.

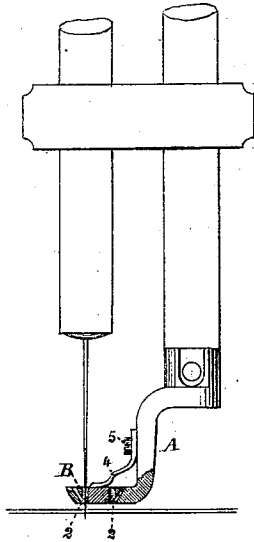


Fig. 1.

Fig. 3.

Fig. 2.

Fig. 4.



Witnesses:
G. Mathus.

N. Bradford,

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UNITED STATES PATENT OFFICE.

JOHN B. PRICE, OF THOMPSONVILLE, ASSIGNOR TO WEED SEWING-MACHINE COMPANY, OF HARTFORD, CONNECTICUT.

IMPROVEMENT IN BRAID-GUIDES FOR SEWING-MACHINES.

Specification forming part of Letters Patent No. 125,986, dated April 23, 1872.

SPECIFICATION.

To all whom it may concern:

Be it known that I, JOHN B. PRICE, of Thompsonville, in the county of Hartford and State of Connecticut, have invented an Improved Braid-Guide Attachment for Sewing-Machines; and I do hereby declare that the following, taken in connection with the drawing which accompanies and forms part of this specification, is a description of my invention sufficient to enable those skilled in the art to practice it.

My improvement consists in an adjustable removable button or braider-plate, having a series of braid-guides for braids of different sizes, and a needle-hole for and adjacent to each, the plate being adapted to lie in a conical opening cut through the presser-foot, and being held to any position to which it may be adjusted by means of a detainer piece or spring.

Figure 1 shows my improvement applied in proper relation to the presser-foot and needle of a sewing-machine. Fig. 2 shows a top view of a presser with a conical seat to receive my improved braider-button, and Figs. 3 and 4 are top and bottom views of such button detached from the presser-foot.

In the drawing, A represents a presser-foot made with a conical opening, 1. B is the braider-disk or button, which, as will be seen, is a frustum of a cone, and adapted in size to fit the opening 1. This disk is provided near its edge with any desired number of inclined guide-holes, 2, arranged concentrically, through any one of which may be passed a braid to be stitched to the surface of a fabric. I have shown four such holes in the drawing, and each of different size from the others, in order to use braids of any desired size. In close proximity to each hole, and in the same radial line therewith, a needle-hole, 3, is made; these holes are also in a concentric series, and pass vertically through the braid-guides 2. The disk being deposited in the opening 1 in the presser-foot it is held securely in any desired position

(just as one or the other, as the case may be, of the braider-guides or holes is to be brought into use) by a detainer piece, 4, which is held to the presser-shank by a set-screw, 5, the loosening of the screw permitting the swinging up of the piece 4, and consequently allowing of the removal of the disk, or its adjustment for a braid of another size.

It will be perceived that the disk has no center pin or axis; that it is on the contrary simply supported by the conical bearing in the presser-foot, and requires nothing more than to be held down, which duty the detainer or spring performs.

To use the device, (say for the largest-sized braid for which it is adapted,) the disk is so placed that the largest braid-guide is brought to such position that its adjacent needle-hole shall be immediately in the path of the point of the needle, so that the latter shall in its descent properly pass through it. The disk is then secured by the detainer 4, and the end of the braid is introduced into its appropriate guide-hole, and passed under the presser so that the needle, when the machine is started, will penetrate and stitch it to the fabric in the usual manner, and by merely turning the button in its seat without removing it from the presser its position may be changed to use a braid of another size. The exceedingly close proximity of the braid-guides to the point of stitching is a great advantage in securing good work.

I claim—

The conical braider-disk or button B, provided with a series of braid-guides and needle-holes, arranged concentrically, and combined with a presser-foot having a conical opening and provided with a detainer piece or its equivalent, as and for the purpose set forth.

JOHN B. PRICE.

Witnesses:

W. BLANCHARD,
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