

(No Model.)

A. SNOW.

BRAID GUIDE FOR SEWING MACHINES.

No. 284,080.

Patented Aug. 28, 1883.

Fig. 1.

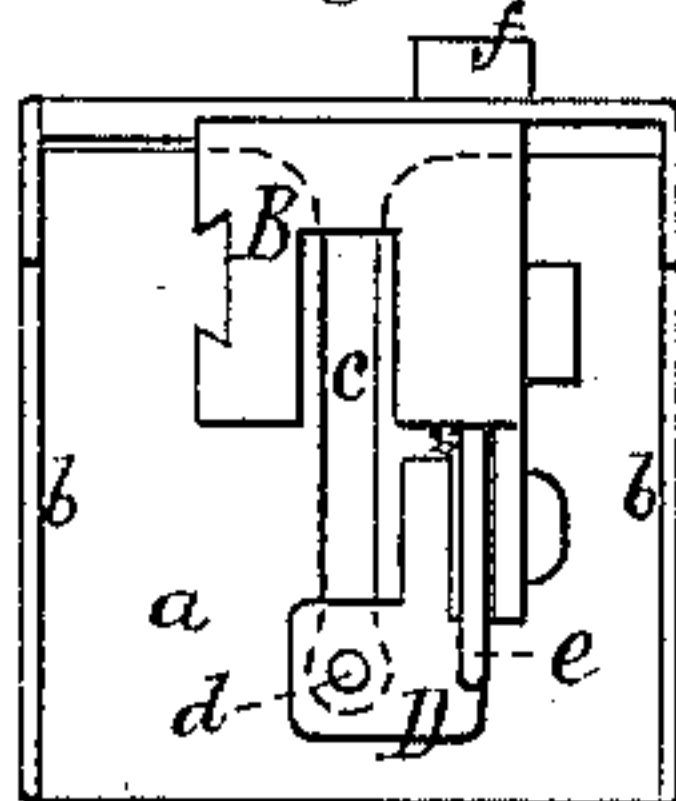


Fig. 2.

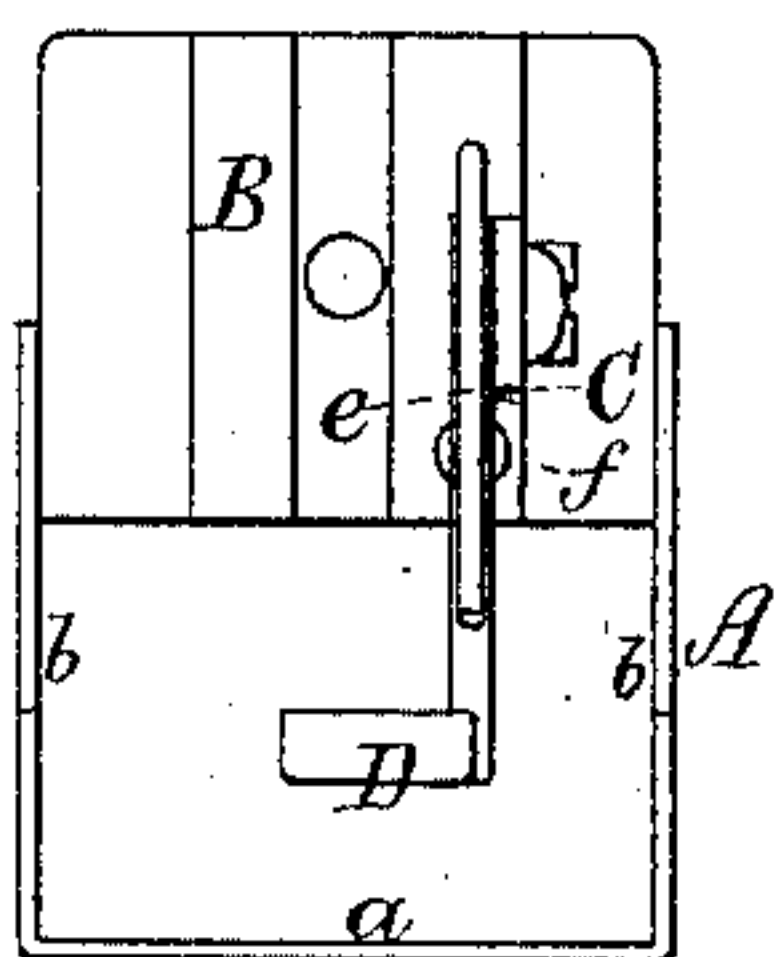


Fig. 3.

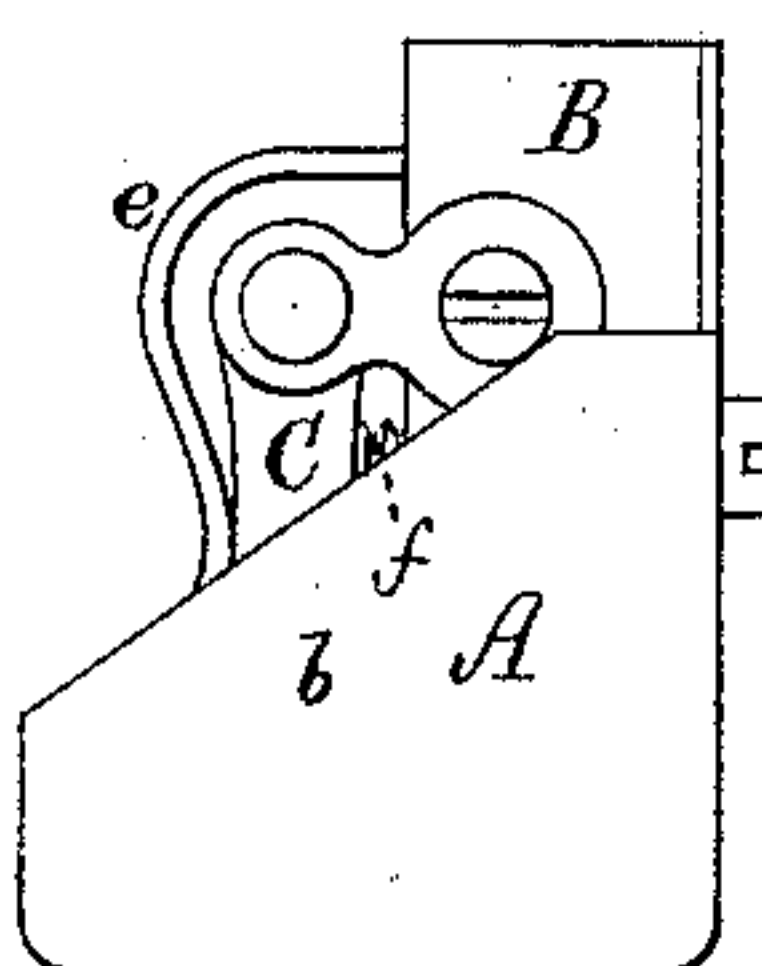


Fig. 4.

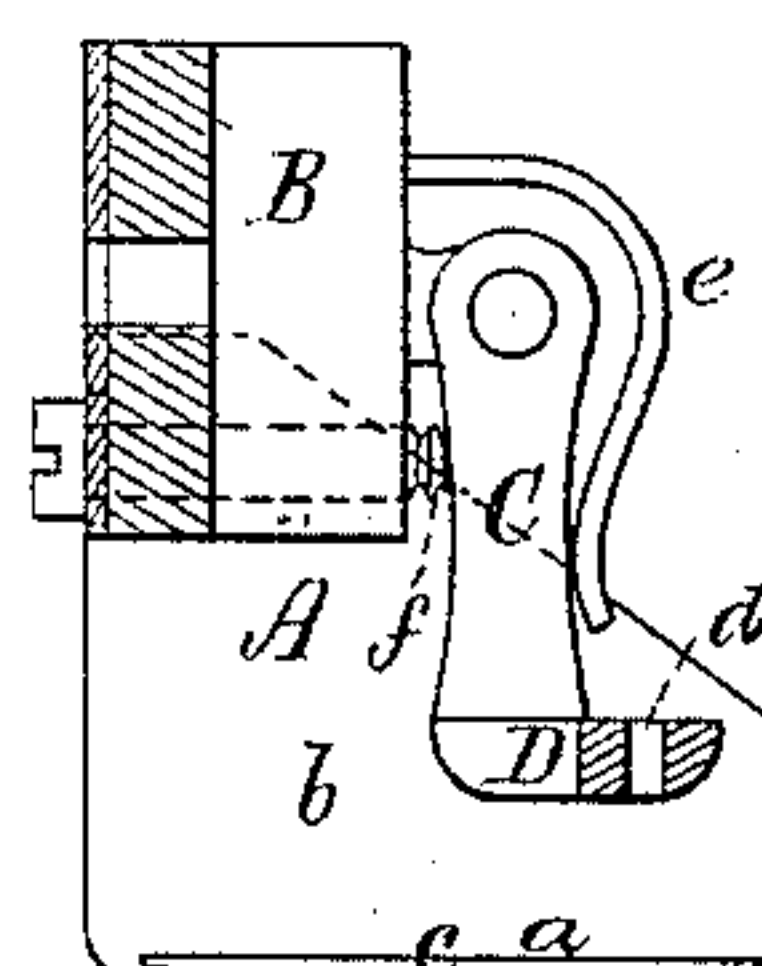


Fig. 5.

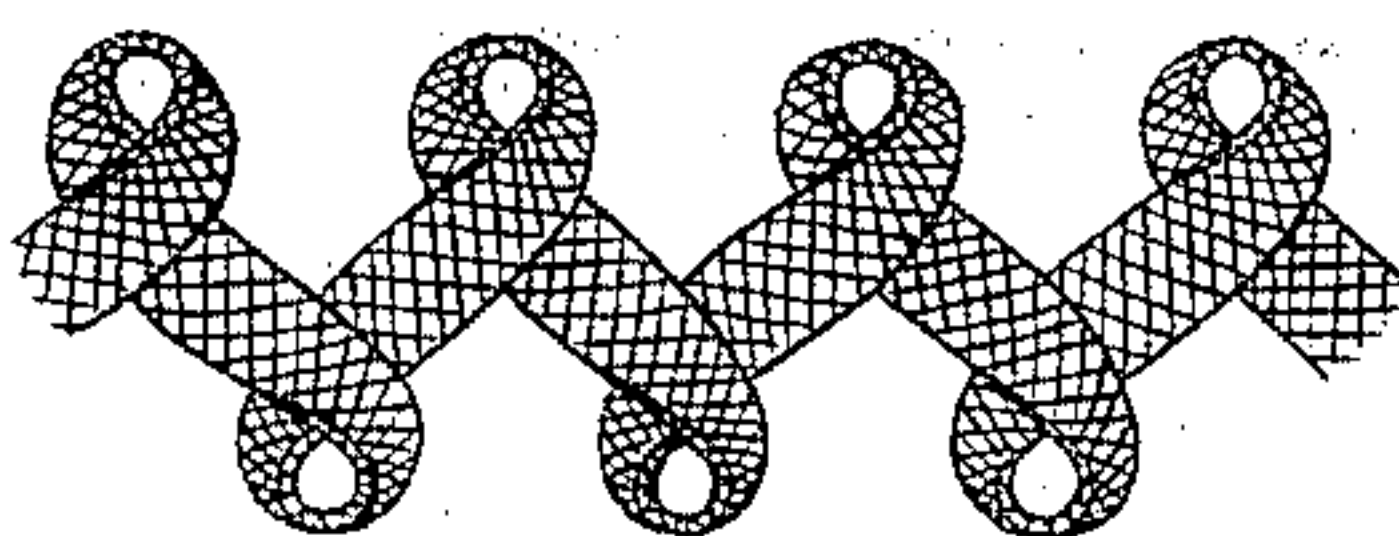


Fig. 6.



Witnesses.

S. N. Piper
E. D. Pratt.

Inventor.

Azariah Snow.

by R. W. Eddy atty.

UNITED STATES PATENT OFFICE.

AZARIAH SNOW, OF FRANKLIN, MASSACHUSETTS, ASSIGNOR TO BASSETT & SHERMAN, OF SAME PLACE.

BRAID-GUIDE FOR SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 284,080, dated August 28, 1883.

Application filed May 29, 1883. (No model.)

To all whom it may concern:

Be it known that I, AZARIAH SNOW, of Franklin, in the county of Norfolk, of the Commonwealth of Massachusetts, have invented a new and useful Improvement in Braid-Guides for Sewing-Machines; and I do hereby declare the same to be described in the following specification and represented in the accompanying drawings, of which—

Figure 1 is a top view, Fig. 2 a front elevation, Fig. 3 a side view, and Fig. 4 a vertical and longitudinal section, of the braid-guide of my invention, the nature of such invention being duly set forth in the claims hereinafter presented. Fig. 5 is a top view, and Fig. 6 is an edge view, of the style or pattern of straw braid for which the said guide is specially intended, although it can be used to advantage with various other or analogous styles or patterns of braid, its purpose being to guide the braid and support it properly while it may be in the act of being sewed to a hat or other article by means of a sewing-machine. This guide also acts as a presser to hold to the table or platform of the sewing-machine the hat or article to which the braid is to be stitched.

The main part A of the guide is a metallic shoe open at the toe and heel, and having a flat plate-bottom, *a*, and plate sides *b b*, such sides being arranged at right angles to such bottom and formed as shown. In the said bottom *a*, and opening through its rear edge, as represented, is a slot, *c*. The said part A extends downward from a support-piece, B, adapted to be fastened to the presser-foot shank of a sewing-machine, so as to take the place of the presser-foot thereof.

A leg, C, arranged as shown, is pivoted at its upper part to the support-piece B. At its lower part there projects from the leg a foot, D, which extends immediately over the slot *c*. This foot has made vertically through it a hole, *d*, to receive the needle of the sewing-machine, such needle, while the braid-guide may be in use, being extended through such hole in the said foot. A strong spring, *e*, projecting from the support-piece B and down in front of the leg C, bears at its free end against the front edge of such leg. A screw, *f*, screwed into and through the support-piece, abuts, at its end, against the rear edge of the leg, the said screw and spring being to effect

the proper adjustment of the foot relatively to the needle.

The braid, as shown in Figs. 5 and 6, represents a band of braided straw bent in a zigzag and coiled at each of the bends, in manner as shown, whereby the coils of the bends extend above the intermediate connecting portions of the band.

The braid, in order to be attached to a hat or article of work arranged on the table of a sewing-machine and under the shoe A, is to be run through the shoe and to rest on the upper surface of its bottom plate, in which case the foot D of the leg C will be midway between the two ranges of coils of the bends of the braid, the needle-hole of the said foot being directly or about over the median line of the braid. The foot D serves to hold the braid from being drawn upward by the needle during each rise of the latter. At the same time, or while the needle may be rising in the hat or article of work to which the braid may be in the act of being sewed, the shoe A will act as a presser-foot to support such hat or article against the upward draft of the needle. As the hat or article may be fed along under the shoe by the feeder of the sewing-machine the braid will be drawn by the hat or article through the shoe, and the latter will guide the braid properly relatively to the needle, the space between the walls or plate sides *b b* being equal in width, or about so, to that of the braid.

I claim—

1. The combination of the shoe A, having upright sides and a slotted bottom, as described, with the support-piece B, arm C, and its perforated foot D, all being substantially as set forth.

2. The combination of the adjusting devices—viz., the spring *e* and screw *f*—and the pivoted leg C, having the perforated foot D, with the support-piece B, and its slotted and open shoe A, as represented, all being adapted and arranged substantially as set forth, the said spring and screw being to effect the adjustment of the foot relatively to the sewing-machine needle to work through such foot.

AZARIAH SNOW.

Witnesses:

J. L. METCALF,
W. A. WYCKOFF.