

ELIZA H. ALEXANDER.

Attachments for Sewing-Machines.

No. 140,233.

Patented June 24, 1873.

Fig. 1.

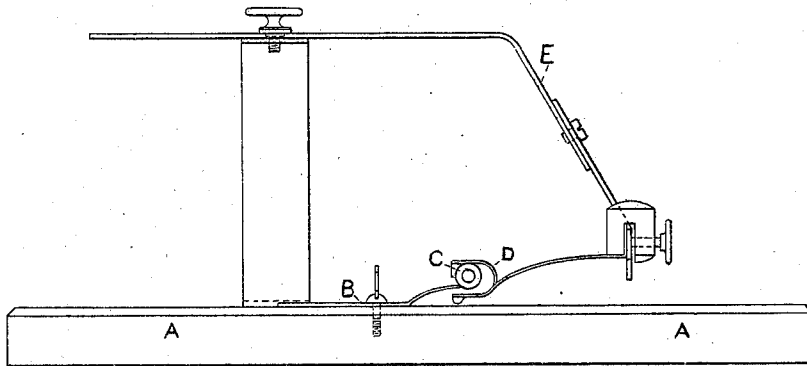


Fig. 2.

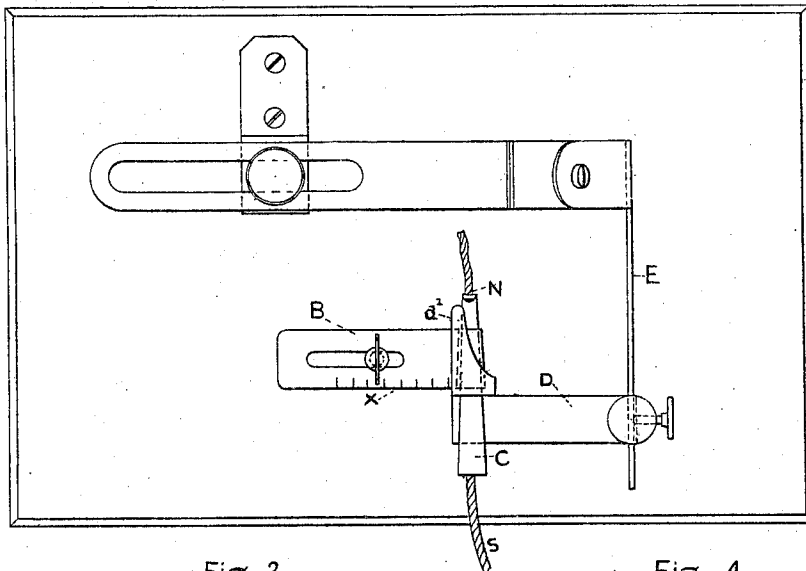


Fig. 3.

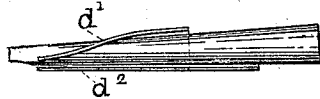
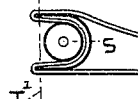


Fig. 4.



WITNESSES.

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IMPROVEMENT IN ATTACHMENTS FOR SEWING-MACHINES.

Specification forming part of Letters Patent No. 140,233, dated June 24, 1873; application filed June 18, 1873.

To all whom it may concern:

Be it known that I, ELIZA H. ALEXANDER, of the city, county, and State of New York, have invented certain Improvements in Sewing-Machine Attachments, of which the following is a specification:

This invention belongs to that class of devices known as sewing-machine attachments; and it consists in the combination of a cord-conductor with a binding-guide in such a manner that the material to be sewed shall be presented to the needle in four layers or thicknesses, and in such a position that, when the stitch is formed and the material is opened to give but two layers or thicknesses outside of the cord, the stitches will be concealed, or shown in such position as to form what is technically termed "blind-stitching;" or, in other words, a cord will be so introduced within a fold of cloth and sewed therein that when the goods so sewed shall be opened to a proper position upon the dress for ornament the stitches will not appear, as will be hereinafter explained.

Figure 1 is a front elevation of said invention. Fig. 2 is a top view of the same. Fig. 3 is a front edge of the guiding apparatus. Fig. 4 is a sectional diagram to illustrate the position of the goods when in the proper position to be sewed, or shows the form of the cloth around the cord-tube.

At A is represented the bed or cloth-plate of the sewing-machine, upon which is fastened the plate B, which serves as a support for the tube C which guides the cord into the work. The other guide is shown at D, and is suspended to any suitable bracket or support—as the quilting-guide of the machine—and which is represented at E in the drawings; but any other guide or support will answer the purpose, and it may be attached in any convenient manner to sustain the work or material to be secured. The guide D is a kind of semicircular plate that surrounds one-half of the tube C, and is provided with two tongues or guiding-edges that carry or direct the folded edges of the material toward the needle, as best seen at d^1 and d^2 , Figs. 2 and 3. The tube C for directing or conducting the

cord into the proper position to be inclosed by the sewing is of somewhat conical shape. The guide D and tube C coact together to hold the cloth in the shape shown at Fig. 4, and as the folded edges are carried along toward the needle they approach each other, as at d^1 and d^2 in Fig. 3, until they are brought to the needle, which is placed to work at the end of said lines and at the end of the guide, as in Fig. 3, and first alongside of the tube C, or where the vertical line N is located, and which represents the needle.

The material to be sewed or corded is first laid on the cloth-plate and under the guide D, and is then folded back over the lower edge of the said guide d^2 , and carried up around the tube C, and then back over the upper edge d^1 of the guide D, in which position the two folded edges are sewed together, the cord in the meantime being guided into the curved portion of the goods or between the folded edges, as represented at Fig. 4, where S represents the cord, and T' the threads to form the stitches, but before they are drawn together.

As shown at Fig. 1, the guide D is curved upward from the cording-tube to easily permit the goods, with the cords that may have been previously sewed thereon, to pass freely underneath it, or between it and the cloth-plate of the machine. Both the fabric and cord guides are also made adjustable by set-screws, as shown in the drawings; and upon the guide D a scale may be formed as at X, Fig. 2, so that in forming trimming for dresses two or more cords may be laid in a strip of goods at a certain distance apart, the distance being regulated by the scale.

I claim—

The combination of the elevated guide D with the cord-tube C, when placed relatively to each other and to the needle of a sewing-machine, to operate as and for the purpose set forth.

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Witnesses:

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