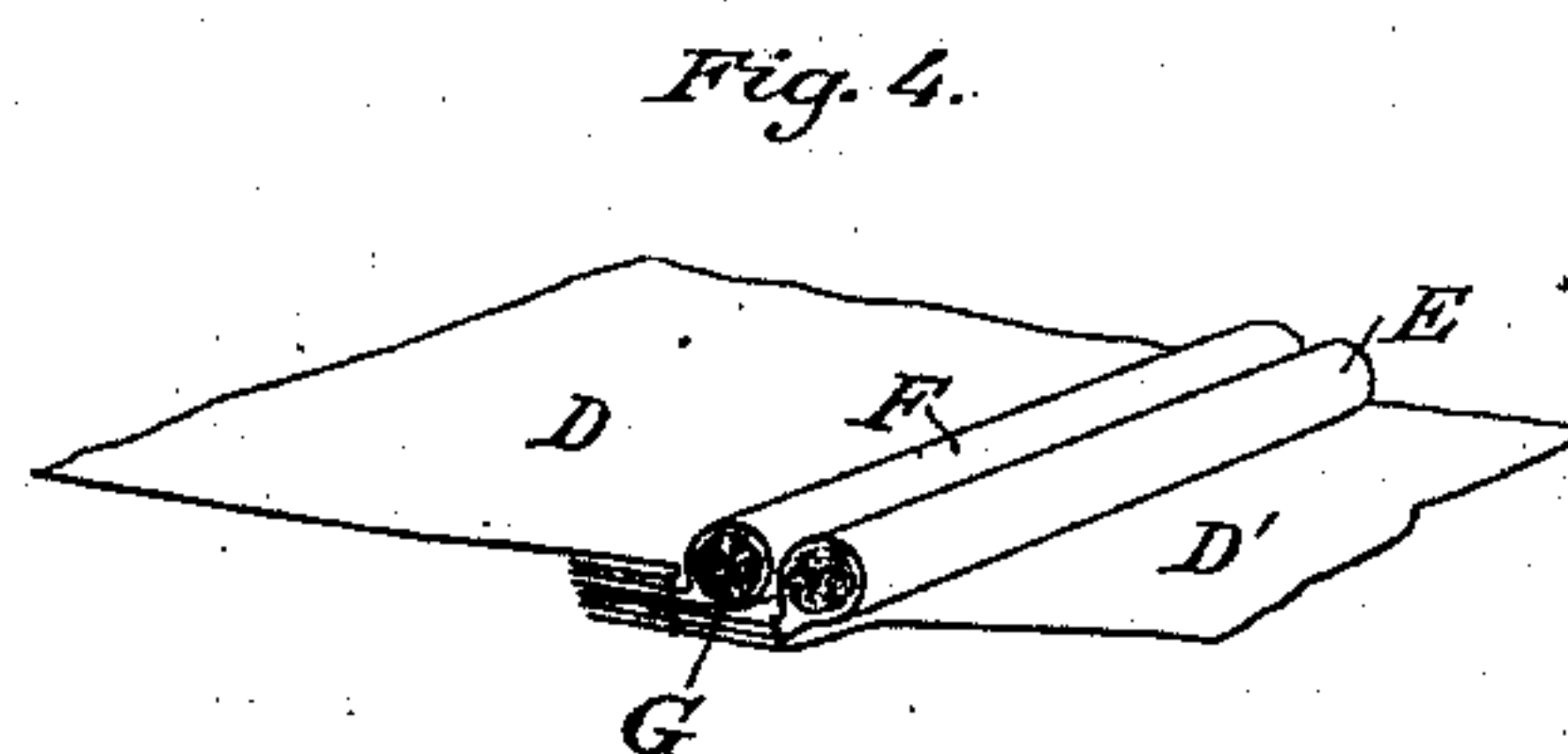
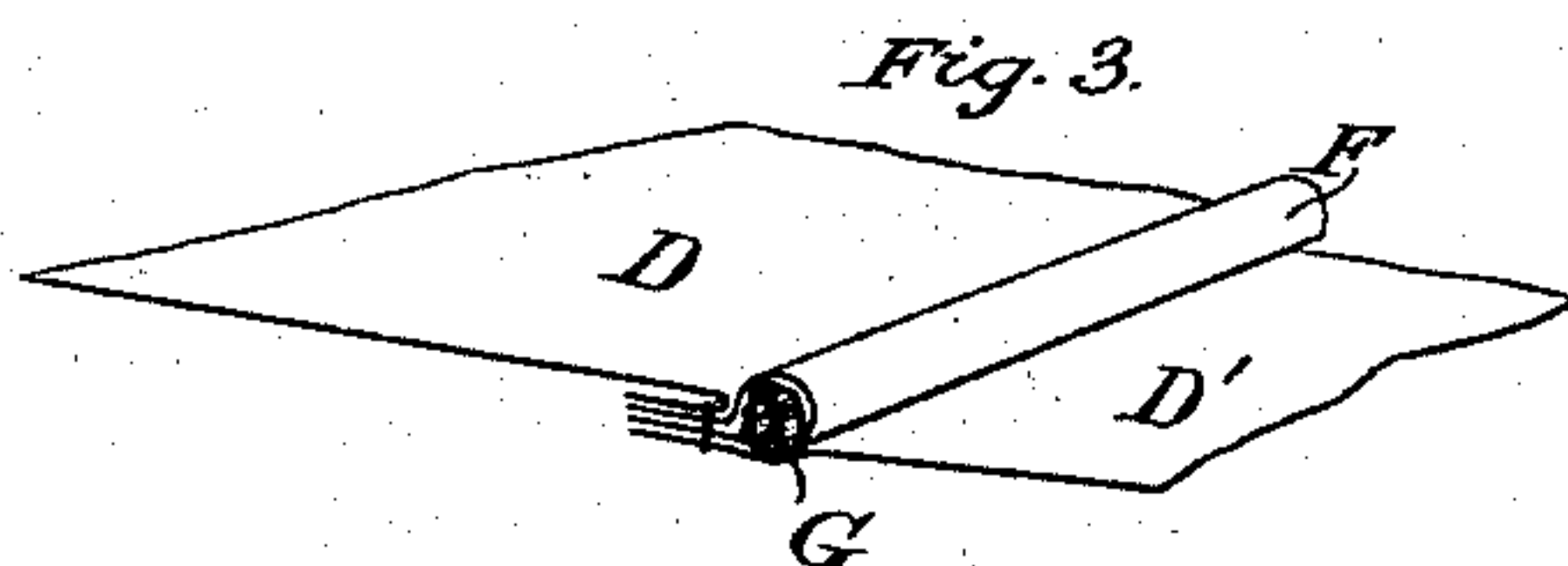
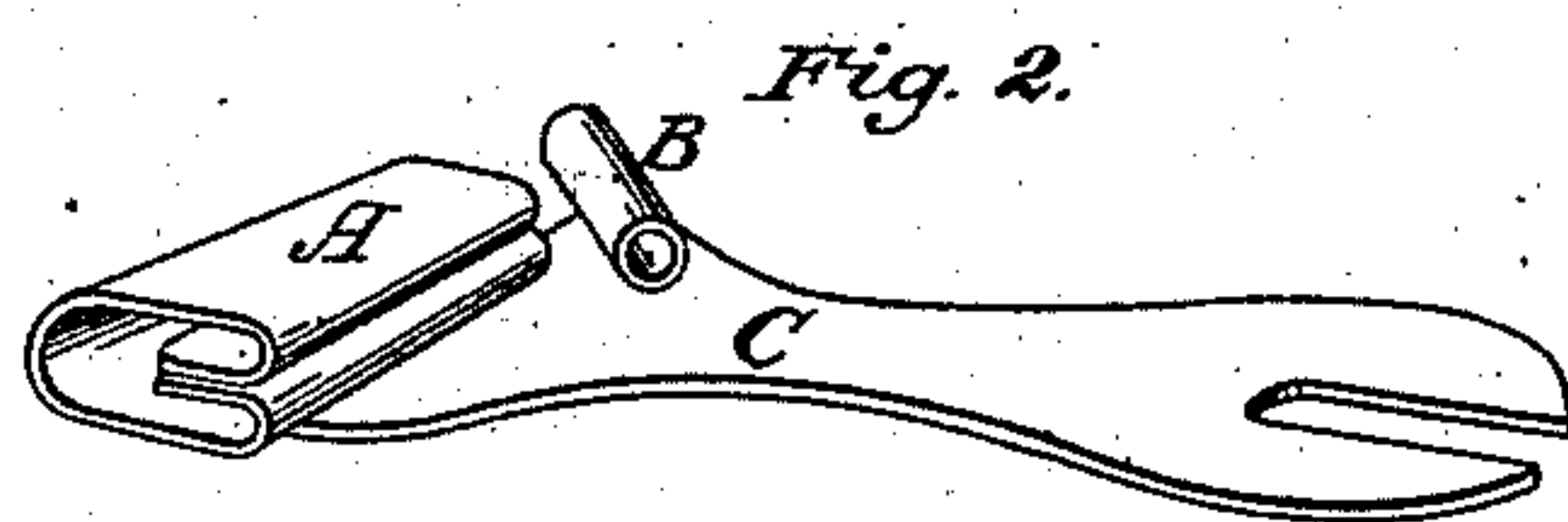
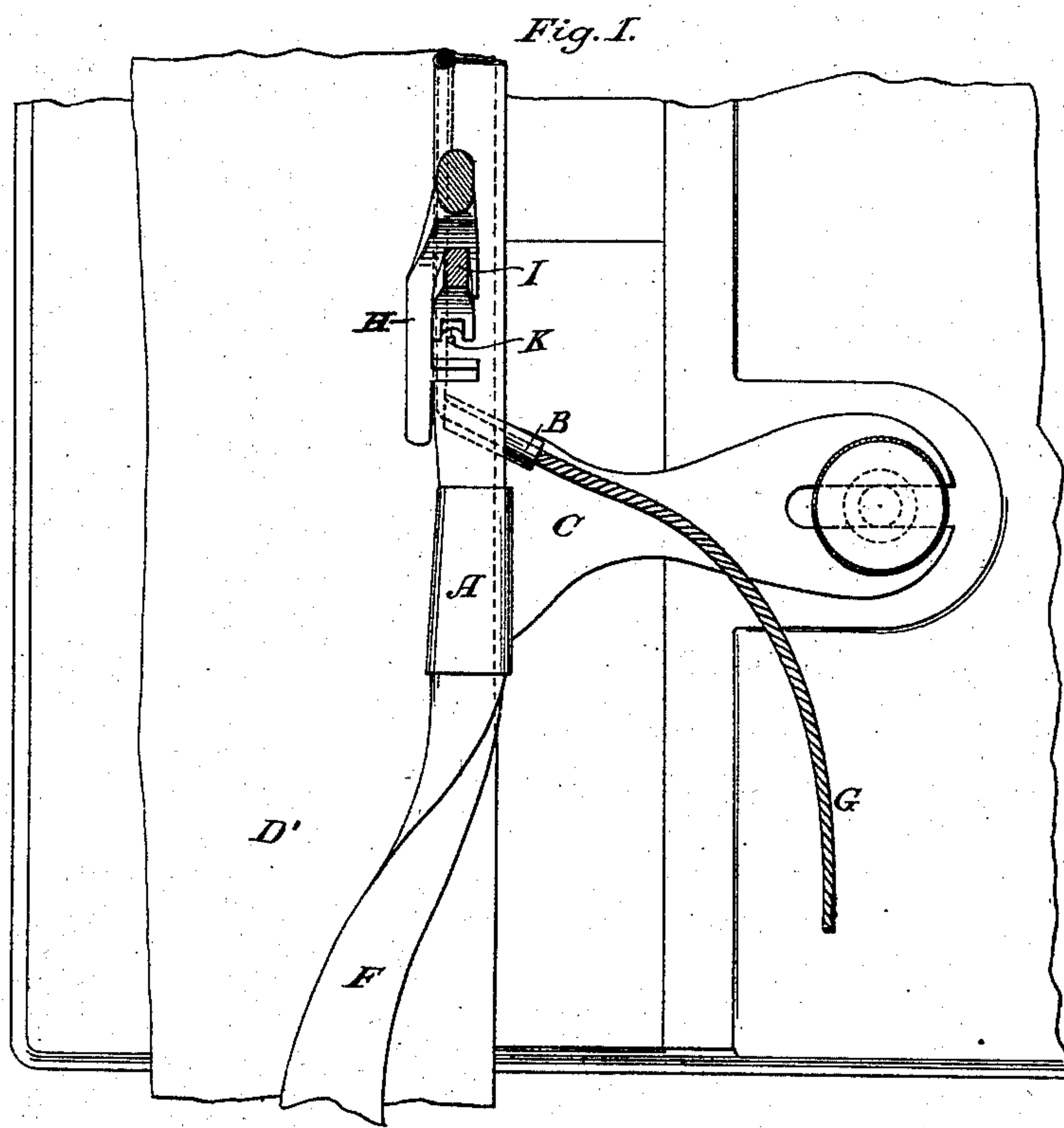


A. B. FELT.
Cording Attachment for Sewing-Machines.
No. 221,801. Patented Nov. 18, 1879.



Attest:
E. A. Vick
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his attorney.

UNITED STATES PATENT OFFICE.

ALVIN B. FELT, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN CORDING ATTACHMENTS FOR SEWING-MACHINES.

Specification forming part of Letters Patent No. **221,801**, dated November 18, 1879; application filed August 15, 1879.

To all whom it may concern:

Be it known that I, ALVIN B. FELT, of the city of Philadelphia, in the State of Pennsylvania, have invented a new and useful Improvement in Cording Attachments for Sewing-Machines, which improvement is fully set forth in the following specification.

This invention relates more particularly to the manufacture and application of corded strips to various articles or fabrics.

Heretofore many cording attachments have been devised, which it is unnecessary here to further specify or describe. The attachment which constitutes the present invention differs from those now known and used in the delivery of the cord to the strip from the side after the same is folded, so that the cord itself may be brought in contact or even pressed against the fold of the strip, and the strip and cord are kept distinct, being delivered from different points. It possesses great simplicity and a small number of parts, is easily made, and is not liable to get out of order.

The following is a description of the manner of carrying the invention into effect, which will enable those skilled in the art to which it appertains to make and use the same.

Reference is made to the accompanying drawings, forming a part of this specification, in which Figure 1 is a plan, showing the attachment in position on the machine, and also part of the stitching devices, and illustrating the mode of operation. Fig. 2 is a view, detached, of the attachment; and Figs. 3 and 4, work which can be manufactured therewith.

The part of the sewing-machine represented belongs to what is known as the Davis machine. This machine is the most suitable for use when there are a number of layers to be sewed at the same time, on account of the feed used, which, taking place while the needle is in the fabric, insures the even feeding of all the layers; but my invention may be used with other machines.

The same letters refer to like parts on the drawings wherever they occur.

A is the strip-folder and guide. It is formed of a doubled piece of metal, with the edges bent inwardly, as shown. The edges aid in folding the strip, and serve to guide the edges thereof.

B is the cord-deliverer or tube, and C a slotted plate, for securing the attachment to the machine by the aid of a set-nut, and to it the parts A B are fastened. In fastening the strip-holder and guide to the slotted plate its lower surface should be above the lower surface of said plate, so as to leave space for the passage of fabrics under it when it is secured to the machine. The edge of the slotted plate will then serve as a work-guide. The end of the tube B projects slightly beyond the further edge of the folder and guide A, so as to insure delivery of the cord against the fold of the strip.

D D' are two pieces of fabric, to which the corded strips are to be sewed; E, a strip previously corded and prepared; F, a strip, and G a cord. H is the presser-foot of the machine, I the feed-bar, and K the needle.

The operation will be readily understood. The attachment being properly adjusted in position, the strip F is passed through the folder and guide A around the tube B, through which is delivered the cord G to the needle. The fabric D' is passed under the part A to the needle and the fabric D (not shown in Fig. 1, for clearness) above the same part. The machine being set in motion, all that is necessary is to see that none of the pieces to be sewed become displaced, and that the machine operates properly. The resultant work is shown in Fig. 3.

When an additional corded strip E (Fig. 4) is desired the cord is first stitched therein, and it is passed under the folder and guide and over the fabric D' to the needle.

I have shown the attachment secured to the cloth-plate; but it can also be secured to the stationary arm or head of the machine, with the slotted attaching-plate in a vertical position, the folder and guide maintaining its parallel position relative to the cloth-plate. The attaching-plate may then be made to act as a guide to one of the fabrics.

An additional folder and guide could be secured beneath the folder and guide A, to deliver a plain folded strip, or a hollow tube somewhat wider than the part A could be used for guiding the previously-corded strip when two strips are to be introduced. The part A and tube B would then be secured to the additional

folder or guide, and the latter to the slotted plate C.

The invention may be used for trimmings for dresses, for cording the seams of military trousers, or the edges of cushions, and for other purposes.

Having thus fully described my said invention, and the manner in which the same is or may be carried into effect, what I claim, and desire to secure by Letters Patent, is—

1. An attachment, consisting of a strip-folder and guide, adapted to inclose both edges of a strip fed thereto, a cord-delivering tube, arranged to project across the bore of the folder and guide, and deliver the cord from the side against the fold of the strip, and means for securing the above-mentioned parts in position, substantially as described.

2. The combination, with an attaching-plate, of a strip-folder and guide fixed on said plate, and formed of a single piece of metal with edges bent inwardly, and a cord-delivering tube, also fixed on the attaching-plate, and arranged to project across the end of the folder and guide diagonally, substantially as described.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

ALVIN B. FELT.

Witnesses:

E. A. DICK,

DANIEL CLARKE.