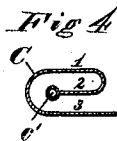
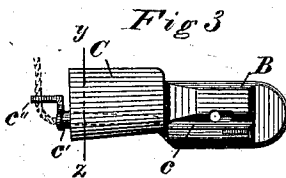
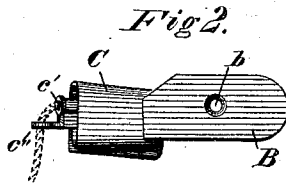
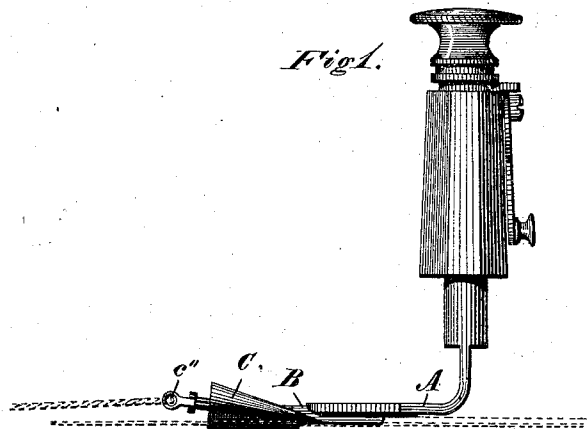


W. B. SNYDER.

CORD-BINDER.

No. 170,123.

Patented Nov. 16, 1875.



Witnesses.

Harry King
B. A. Morse

Inventor.

Wm B. Snyder
by his atty
Wm D. Baldwin

UNITED STATES PATENT OFFICE.

WILLIAM B. SNYDER, OF BRIDGEPORT, CONN., ASSIGNOR TO HIMSELF AND
W. H. PERRY, OF SAME PLACE.

IMPROVEMENT IN CORD-BINDERS.

Specification forming part of Letters Patent No. **170,123**, dated November 16, 1875; application filed
November 12, 1873.

To all whom it may concern:

Be it known that I, WILLIAM B. SNYDER, of Bridgeport, in the county of Fairfield and State of Connecticut, have invented an Improved Cord-Binder, of which the following is a specification:

My invention relates to cord-binders of that class in which a hem or fold is formed in the fabric and a cord is laid in simultaneously with the stitching of the hem; and my improvement consists in the novel construction and combination of the cord-guide, the folder, and the stitching-plate, constituting the binder, which is adapted to the presser-foot of a sewing-machine, as hereinafter set forth.

In the accompanying drawings, Figure 1 represents my improved cord-binder attached to the presser-foot of the well-known Wheeler & Wilson sewing-machine; Fig. 2, a plan or top view of the corder detached; Fig. 3, a bottom view of the same; and Fig. 4, a transverse section therethrough on the line *y z* of Fig. 3.

The presser-foot A is provided with a dove-tailed groove, as usual in the Wheeler & Wilson sewing-machine. In this groove a plate, B, fits. This plate has a hole, *b*, in it, through which the needle works, and a longitudinal groove, *c*, in its under side, at one side of and intersecting the needle-hole for the passage of the cord. A scroll-shaped folding-guide, C, is attached directly to this stitching-plate B, its top fold being secured on the under side of the stitching-plate. The folder has three folds, 1 2 3, the inner and central one of which carries a cord-guide, *c'*, arranged in line with the groove *c* in the needle-plate, whereby the cord is securely and effectually delivered into the bottom of the fold which forms the hem. The cord passes through an eye, *c''*, at right angles to the guide *c'*, on an arm or projection of the folder, to insure its entering without interfering with the formation of the seam. The three

folds above mentioned form a continuous scroll or spiral, open at both ends and at one side, between the middle and bottom folds, so that, by inserting the cloth sidewise, a double fold may be formed around the cord and fed continuously through the corder, as the cord is sewed in.

I do not, however, broadly claim this operation, as it has heretofore been performed.

The operation of the device will be apparent from the foregoing description.

My improved device forms a cheap, simple, and effective attachment for the sewing-machine, and one which can readily be attached, removed, or replaced without the use of screws or other equivalent fastenings.

I do not broadly claim a cord-binder adapted to be attached to and removed from the presser-foot of a sewing-machine, as such is old.

I am aware of Patent No. 10,386, reissued April 27, 1869, No. 3,402; and in view of that patent, in order to reduce the cost of manufacture and aid in perfecting corders for practical use, I have adopted the construction and made the improvement consisting of the combination of features I claim. I make no claim to anything comprehended in that patent; but

I claim as my invention—

The combination of the threefold scroll-shaped folder, the cord-guide carried by the central fold thereof, the arm carrying the eye through which the cord enters at right angles to the guide, and the grooved stitching-plate, these members being constructed and operating substantially as set forth.

In testimony whereof I have hereunto subscribed my name.

WM. B. SNYDER.

Witnesses:

F. HURD,
A. R. LACEY.