

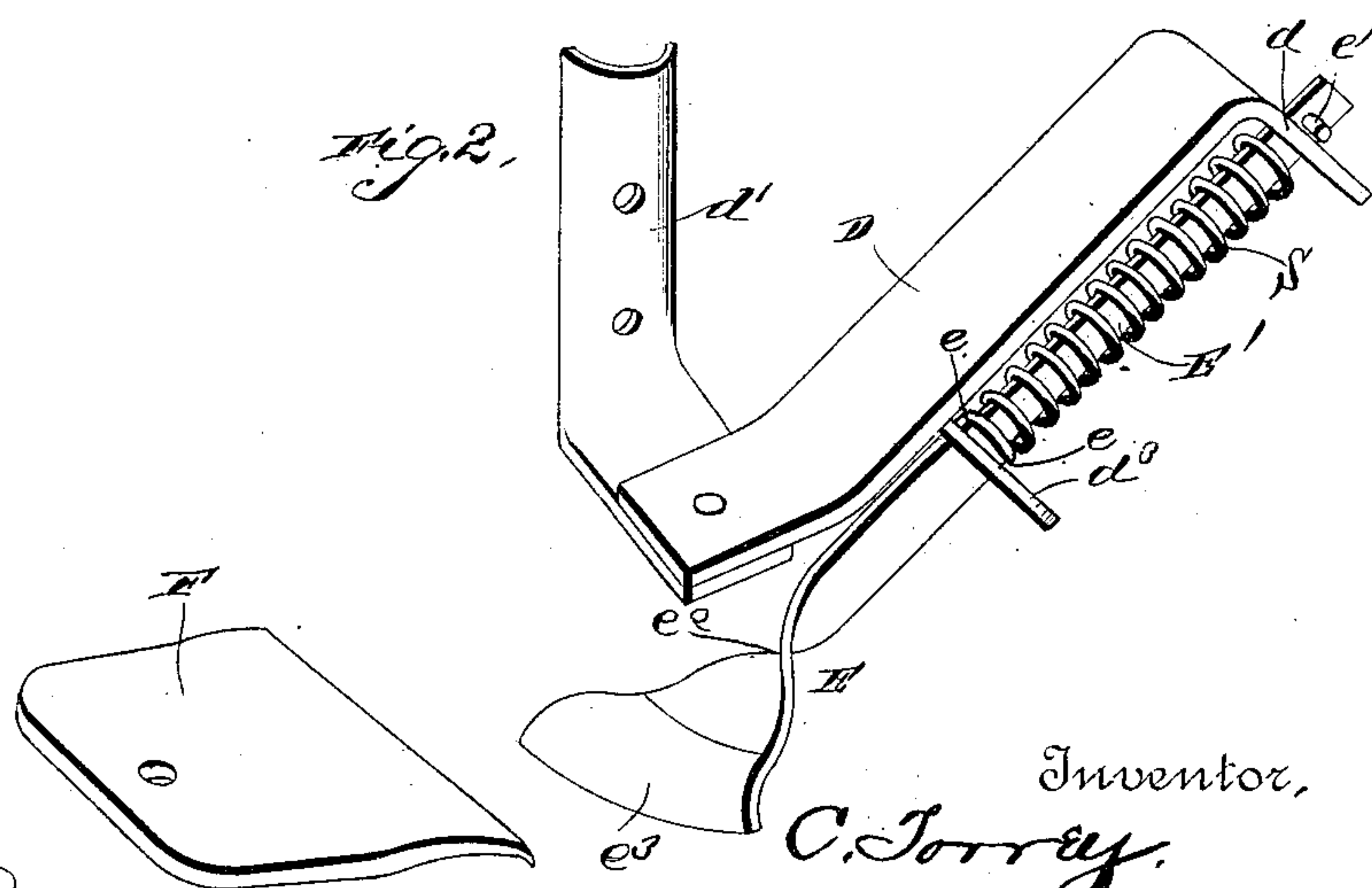
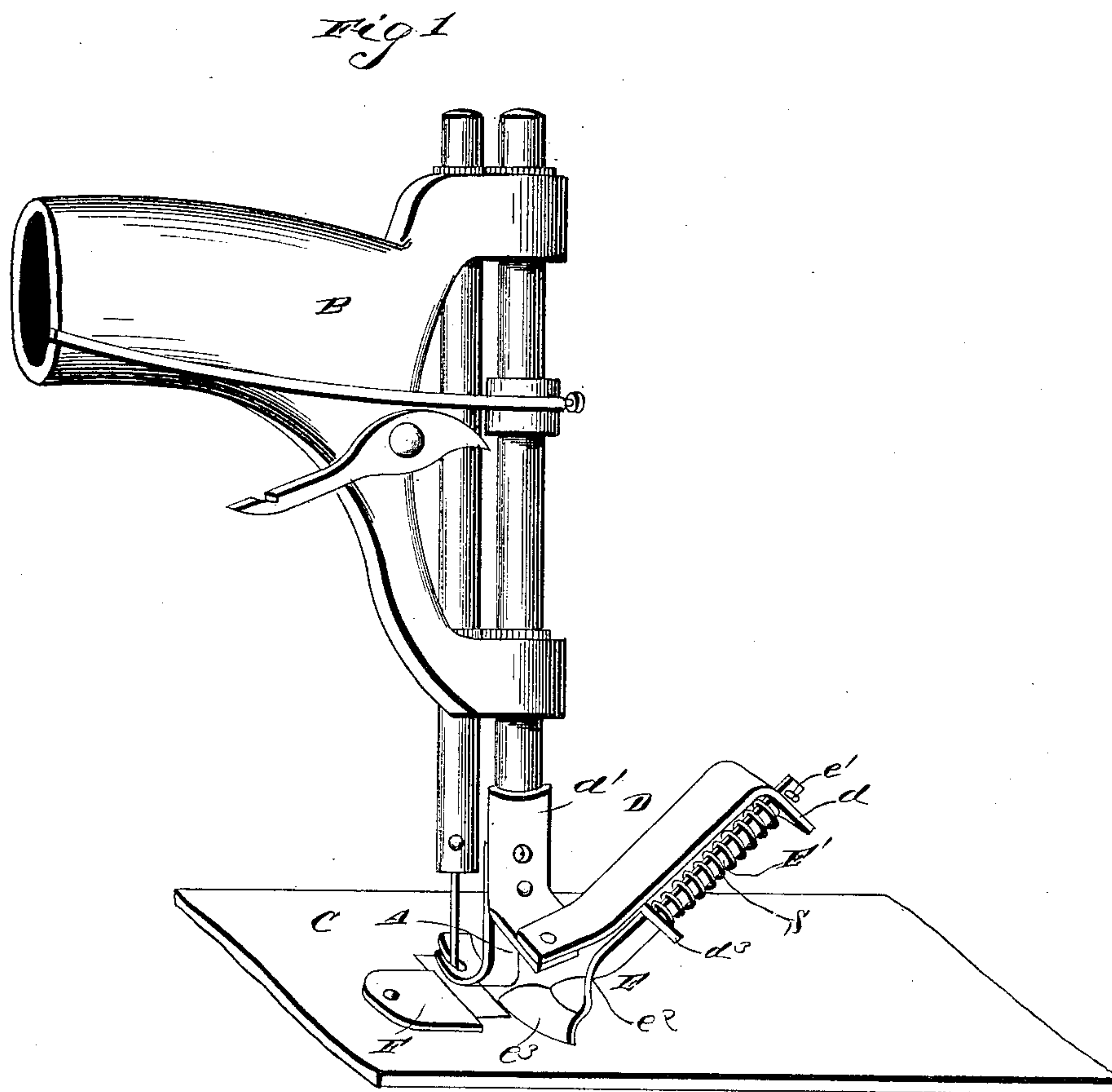
(No Model.)

C. TORREY.

GUIDE FOR SEWING MACHINES.

No. 379,668.

Patented Mar. 20, 1888.



Witnesses.

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UNITED STATES PATENT OFFICE.

CHARLIE TORREY, OF MCGRAWVILLE, NEW YORK.

GUIDE FOR SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 379,668, dated March 20, 1888.

Application filed May 20, 1887. Serial No. 238,899. (No model.)

To all whom it may concern:

Be it known that I, CHARLIE TORREY, a citizen of the United States, residing at McGrawville, in the county of Cortland and State of New York, have invented a new and useful Improvement in Corders for Sewing-Machines, of which the following is a specification.

My invention relates to an improvement in corders for use in connection with sewing-machines; and it consists in the construction and arrangement of the parts of the same, which will be more fully hereinafter described, and pointed out in the claims.

The object of my invention is to provide a corder for use in connection with sewing-machines whereby the insertion of cord in fabrics may be readily accomplished by means of a self-acting feed and guide. I attain this object by the device illustrated in the accompanying drawings, wherein like letters of reference indicate similar parts in the several views, and in which—

Figure 1 is a perspective view of a portion of a sewing-machine arm and table supporting the base-plate, showing my attachments in connection therewith. Fig. 2 is a perspective view of my attachment removed from connection with the sewing-machine.

A indicates the presser-foot of a sewing-machine, suitably mounted in the arm B, and C indicates the base-plate, having the customary form of throat-plate and feed.

My improvement consists of a metallic strip, D, which has an angular projection, d , at one end and a like projection at the other end, which is constructed in the form of a concavo-convex securing-arm, d' . This arm d' projects outwardly from the plate D at an angle thereto, and thence upwardly, having the concavo-convex portion thereof formed in the upward extension. The projection d of the arm D is provided with a suitable recess or aperture, and the arm or plate D adjacent to the projection d' has a staple, d^3 , secured to the under side thereof and projecting away therefrom. The shank E' of a foot, E, is inserted through the staple d^3 and through the aperture in the projection d , a coiled spring, S, having been first inserted over the upper reduced portion of the shank E' , and having a seat at its one end against shoulders or projections e and at its opposite end against the inner face of the

projection d . When the shank shall have thus been inserted in position with relation to the plate D, a loop, stud, or pin, e' , is inserted through the upper end of the said shank E' , and thereby retains the plate D in connection with the shank E' . The foot E, integrally formed with the shank E' , projects downwardly from the said shank at an angle, being given this position by means of a twist, e^2 , formed in the said shank adjacent to the foot E. By this means the lower edge, e^3 , of the said foot E is caused to bear directly upon the cloth passing thereunder.

In applying my improved attachment in connection with the sewing-machine the screw which holds the presser-foot in connection with the presser-bar is removed, and the projection d' is placed against the presser-bar, as shown in Fig. 1, and the screw cast through the aperture formed in the concavo-convex portion of the projection b' and into the presser-bar, thereby securing the presser-foot and my improved attachment in connection with the presser-bar by the same screw. When this portion of my attachment shall have thus been arranged in connection with the presser-bar, a plate or guide, F, will be secured to the base-plate A of the machine in the rear of the throat-plate in such position as to bear against one side of the cording. The edge of this plate F is slightly flared downward to increase the bearing-surface thereof and thereby form a more positive guide for the action of the foot E, which presses against the opposite side of the cording. In the operation of the presser-foot it is well known that a vibratory or slight successive elevation thereof is continuously imparted thereto by the action of the feed.

It will be observed that the portion of my improvement which is adapted to be attached to the presser-bar is free to move on the shank E' of the foot E; and in order to cushion the motion produced by the presser-bar and translated by the arm or plate B a spiral spring, S, is inserted over said shank, which receives such motion and causes the vibration to lose itself. By this means it will be seen that the foot E is kept in continuous contact with the surface of the fabric being corded with sufficient pressure to produce the desired result, but at the same time allowing an unretarded feed of the fabric.

By my improvement several machines may be operated and controlled by a single person without the necessity of the guiding of the material or fabric being corded, as the said improvement forms a guide therefor, as well as a means of retention. This device is especially applicable for use in factories, and may be applied in connection with any form of machine.

10 The novelty and utility of my improvement being apparent, it is not necessary to further enlarge upon the same herein.

Having thus described my invention, I claim—

15 1. A cording attachment for sewing-machines, comprising the bar or plate D, having the projection d at its upper end, with an aperture formed therein, and the securing-arm d' at its lower end, provided with an upwardly-
20 extending concavo-convex portion, the staple d^3 on the under side of the bar D, near the arm

d' , the shouldered shank E' , passing through the staple d^3 and extension d and carrying the foot E, and the spring S, coiled around said shank, substantially as specified. 25

2. The combination, with the presser-bar and the table of a sewing-machine, of the plate or bar D, having a securing-arm, d' , provided with a concavo-convex portion secured to the presser-bar, the shouldered shank E' , having 30 the foot E and carried by the bar D, the spring S, coiled around said shank, and the plate F, secured to the machine-table near the foot E, substantially as specified.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses. 35

CHARLIE TORREY.

Witnesses:

WILLIAM JAMES BUCHANAN,
STANTON ALONZO PARKER.