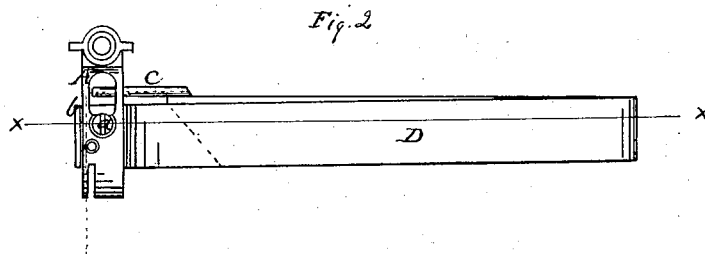
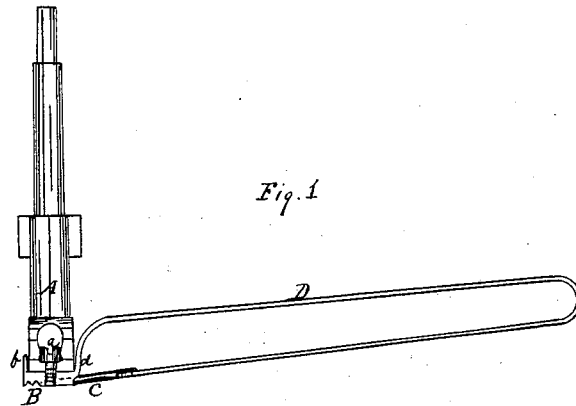


H. HORN.

Corder and Cord Guide for Sewing Machines.

No. 112,810.

Patented March 21, 1871.



Witnesses

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UNITED STATES PATENT OFFICE.

HENRY HORN, OF MILWAUKEE, WISCONSIN, ASSIGNOR TO JOHN O. FAIRBAIRN, OF SAME PLACE.

IMPROVEMENT IN CORD-GUIDES FOR SEWING-MACHINES.

Specification forming part of Letters Patent No. **112,810**, dated March 21, 1871.

To all whom it may concern:

Be it known that I, HENRY HORN, of Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented a new and Improved Corder and Cord-Guide for Sewing-Machines; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawing, forming part of this specification.

The nature of my invention relates to an improvement in cord-guides; and it consists in constructing them of one piece of metal, and so combining and arranging them with the presser-foot as to make a more simple and reliable device, which is less liable to get out of order, and which does not require adjustment, as those usually constructed of more than one piece frequently do.

On reference to the drawing, Figure 2 represents a plan view of my improved device attached to the presser-foot of a sewing-machine. Fig. 1 represents a section on the line *x x* of Fig. 2.

Similar letters of reference indicate corresponding parts.

A represents a presser-foot of ordinary construction, to which the shoe or corder B is attached by means of the screw *a*. The said corder is constructed with an upwardly-projecting flange, *b*, on its front side, and a corresponding upward-curved form, *d*, on the rear side, forming between these two sides a plain portion of the same width as the presser-foot, to which latter it is secured on the under side of the same by a set-screw, *a*, in a manner to prevent any lateral movement of the shoe or corder.

D represents an extension of the corder, which forms the support of the cord-guide C,

which latter consists of a small tube, that may be either soldered to the support D or be formed of a prolongation of the same, which may be reduced to the proper thickness and bent up into the desired form, and have the edges joined by soldering or otherwise.

The corder B is provided with grooves on its under side to hold the end in place while it is being sewed into the fabric.

It will be readily seen that my improved device may be stamped out of sheet metal, all in one piece, in a die of suitable form to give the proper form to the shoe or part B, the extension D, and a plain blank portion of the proper size and form from which to roll up the tube C.

After being struck out in the die, it is only required to bend the extension D, turn up the tube C, and tap out the hole for the screw *a*, all of which is a simple and cheap process, whereby I am enabled to provide a very simple, cheap, and durable cording device, which, by reason of being made of one piece, requires no adjustment of parts, as do those as heretofore constructed of two or more parts, which is often a very delicate and tedious operation, requiring considerable expense for its ready accomplishment.

What I claim, and desire to secure by Letters Patent, is—

The trough-like shoe B, provided on its under side with grooves, and having projecting from it the spring-arm and cord-guide, all constructed in a single piece, and adjustable on the presser-foot by means of the screw, as described.

HENRY HORN.

Witnesses:

WM. H. VALENTINE,
E. FOOTE.