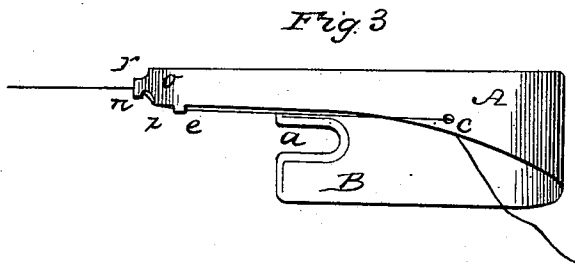
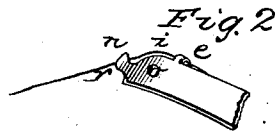
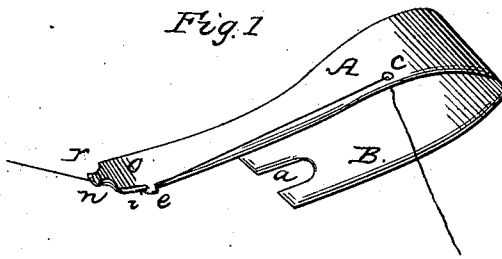


W. RANKIN.

Cording Guide for Sewing Machines.

No. 28,776.

Patented June 19, 1860.



Witnesses
E. Cohen
J. Horsch

Inventor
William Rankin
per Atty. A. B. Stoughton

UNITED STATES PATENT OFFICE.

WILLIAM RANKIN, OF RICHMOND, VIRGINIA.

IMPROVEMENT IN CORDING-GUIDES FOR SEWING-MACHINES.

Specification forming part of Letters Patent No. 28,776, dated June 19, 1860.

To all whom it may concern:

Be it known that I, WILLIAM RANKIN, of Richmond, in the county of Henrico and State of Virginia, have invented certain new and useful Improvements in Cording-Guides for Sewing-Machines; and I do hereby declare the following to be a full, clear, and exact description of the construction and operation of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 represents a perspective view of the cording-guide. Fig. 2 represents a view, from the under side, of the arm of the guide, and Fig. 3 represents a top plan of the apparatus.

Similar letters, where they occur in the separate figures, denote like parts of the contrivance in all the figures.

My invention relates to a cording-guide to be used in connection with any sewing-machine, and which of itself so guides and controls the cloth that the cord is laid in with the greatest accuracy and regularity, whether in straight, waved, or curved lines; and my invention consists in the combination, upon one arm or piece of metal, of a guide or groove, an eye, and in close proximity to the eye a recess for the needle and an obliquely-nicked or roughened surface, so that the cloth shall be constantly drawn up to the guide by the ordinary feed-motion, and the cord laid in parallel to the first-made seam or fold, whether it be straight, curved, or portions of each.

A represents the cord-guide, made of metal of any suitable kind. It is of a U-shaped form, the short arm B of which has a slot, *a*, in it, by which it may be fastened or adjusted to the table of any sewing-machine by means of a clamp-screw, or otherwise. In the long arm there is first a hole, *c*, through which the cord (shown in red) may pass. Thence it goes through a guide, *e*, and a groove, *i*, on the side or end of the arm to prevent the cloth from binding upon it, which would interfere with its free passage, as the presser-foot rests upon the end of the cording-guide. Thence through a rounded eye, *n*, against which the cloth passes in constant contact. Both the top and bottom of the long arm, at its forward end, are nicked or indented with oblique lines *o*, that draw the cloth tight up against the eye *n*, caus-

ing it to move and turn in exact accordance with the previously-made seam, fold, or cord made therein, and laying the cord in parallel lines with the greatest regularity. Close to the eye *n*, and a little behind it, there is a recess, *r*, through which the needle passes; and the object of its close proximity to the eye *n* is that the material may be turned upon the needle and as near the point where the cord is laid in as possible, so as not to be injuriously influenced by the cord. This enables me to lay in the cord with a neatness that I have never seen equalled by any other cording device known to me. The oblique or inclined grooves *o* on the top and bottom of the end of the cording-guide are covered by the cloth that is being corded, and the cloth, as well as the grooved end of the guide, are both held between the presser-foot and the under feeding device, whether it be a wheel or reciprocating feed, so that the grooves serve two purposes—viz., as a roughened surface to allow the presser-foot and under feeding device to hold the cloth firmly to the guide when the stitch is being made, and also serving to draw the previous seam or fold tight up against its end, when the presser-foot and under feed are moving the cloth along.

I believe my cording-guide to be the first one that is held between the presser-foot and the under feed—all others that I know of are placed very near the presser-foot, but not under it—and that the presser-foot and lower feeding device may act in connection with these grooves or inclines, they must be on the external sides of the cording-guide, as shown.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

A cording-guide composed of a single bent piece of metal, and having upon it a guide, *e*, a groove, *i*, and an eye, *n*, and in close proximity to said eye a recess, *r*, and also furnished with oblique nicks or indentations *o*, inclining in the direction of the feed of the cloth, and so arranged as to come directly under the presser-foot and between it and the lower feed, substantially as and for the purpose set forth.

WILLIAM RANKIN.

Witnesses:

A. B. STOUGHTON,
E. COHEN.