

(No Model.)

H. BEHRINGER.

CORDING ATTACHMENT FOR SEWING MACHINES.

No. 264,817.

Patented Sept. 19, 1882

Fig. 1.

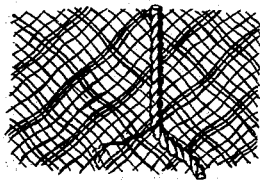
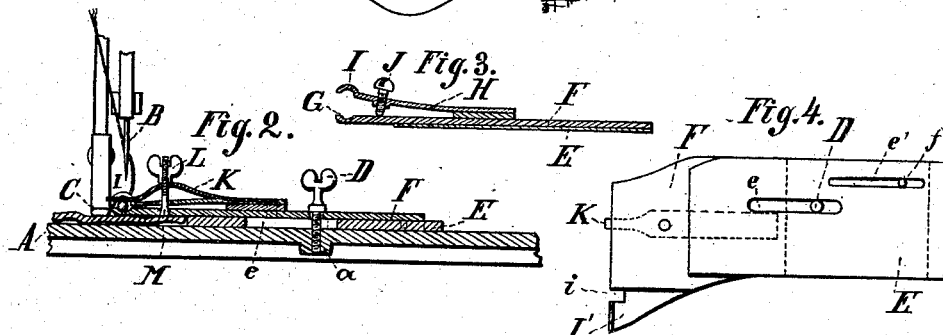
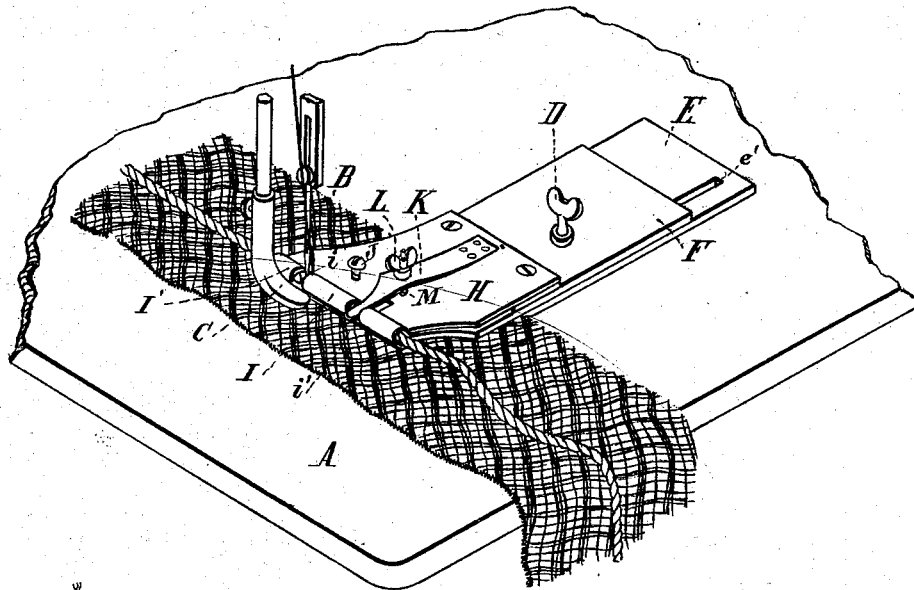


Fig. 5.

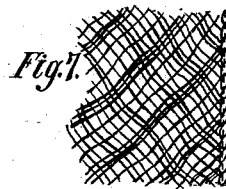


Fig. 7.



Fig. 6.

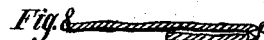


Fig. 8.

Witness:

Carl Spengel.

Carl Spengel

Inventor:

Henry Behringer
by Hight Bros
Assy's.

UNITED STATES PATENT OFFICE.

HENRY BEHRINGER, OF CINCINNATI, OHIO.

CORDING ATTACHMENT FOR SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 264,817, dated September 19, 1882.

Application filed March 2, 1882. (No model.)

To all whom it may concern:

Be it known that I, HENRY BEHRINGER, of Cincinnati, in the county of Hamilton and State of Ohio, have invented a new and useful Improvement in Cording Attachments for Sewing-Machines, of which the following is a specification.

In the accompanying drawings, Figure 1 is a perspective view of my cording device in position upon the cloth-plate. Fig. 2 is a vertical section at right angles to the direction of the feed in the plane of the cord-presser tongue and its adjusting-screw. Fig. 3 is a vertical section of the cord-guide in the plane of its adjusting-screw. Fig. 4 is an under side view of the cord-guide. Fig. 5 is a top view, and Fig. 6 a transverse section, of a piece of cloth with attached cord. Figs. 7 and 8 are similar views of the same after the folding of the cloth, so as to bring the cord to the edge of the garment.

A and B may represent respectively the cloth-plate and needle of any sewing-machine. For use with my corder a specially-formed presser-foot, C, is substituted for the one in ordinary stitching. The cloth-plate has a screw-threaded hole, *a*, for the screw D, by which the corder is secured to the plate A.

E is the base-plate of my corder, having an opening, *e*, for the shank of the attaching and clamping screw D. This opening is of the represented slot form, so as to enable the said plate to be adjusted to agree with the desired distance of the cord from the edge of the goods. Another slot, *e'*, parallel to the first, receives a stud, *f*, that projects from the under surface of the plate F, which constitutes the lower member of my cord-guide proper. The member F terminates in front in a trough, G, parallel to the feed and in alignment with the needle-hole, which it closely approaches without crossing.

Screwed to the top of member F is the upper member, H, of my cord-guide. The member H is preferably of spring-steel and terminates in front in a trough, I, which superposes the trough G, of which it is the inverted counterpart, and in conjunction with which it forms a cylindrical or approximately cylindrical cord-passage. The inverted trough I extends be-

yond the path of the needle, as at I', a notch or gap, *i*, being provided for the passage of the needle. The member H is so formed as, when left at liberty, to press down upon the member F, as shown in Fig. 3, the degree of approximation being controlled and regulated by means of a set-screw, J. Another notch, *i'*, in the inverted trough I affords room for a spring-tongue, K, whose proximity to the lower trough is controlled by a nut, L, upon a screw-threaded stud, M. By these means the cord, in its passage through the channel G I, may be subjected to any desired tension.

The base-plate E should correspond in thickness to that of the goods to be operated upon, and the device is made applicable to goods of diverse thicknesses by providing an assortment of interchangeable base-plates which differ from one another only in thickness.

In use my guide is preferably so adjusted relatively to the needle as to locate the stitching near to one or other edge of the cord, so as to produce what is known as "secret" or "invisible" stitching, and where two lines of stitching are employed a second adjustment of the guide may cause the second stitching to take place on the remote side of the cord to that occupied by the first line of stitching, so as to leave the crown of the cord free.

Having thus described my invention, the following is what I claim as new therein and desire to secure by Letters Patent:

1. A cording attachment for sewing-machines, that comprises in the described combination a slotted adjustable base-plate, E, lower guide-plate, F G, and the attached upper guide-plate, H I I' *i*, provided with set-screw J, substantially as set forth.

2. In combination with base E and channeled guide F G H I I' *i*, the tension-tongue K, occupying notch *i'* in the upper guide-member, and having the regulating-screw L M, as and for the purpose set forth.

In testimony of which invention I hereunto set my hand.

HENRY BEHRINGER.

Attest:

GEO. H. KNIGHT,
SAML. S. CARPENTER.