S. MOREY.

Hemmer for Sewing-Machine.

No. 132,172. Patented Oct. 15, 1872.

FIG. 1

FIG. 2

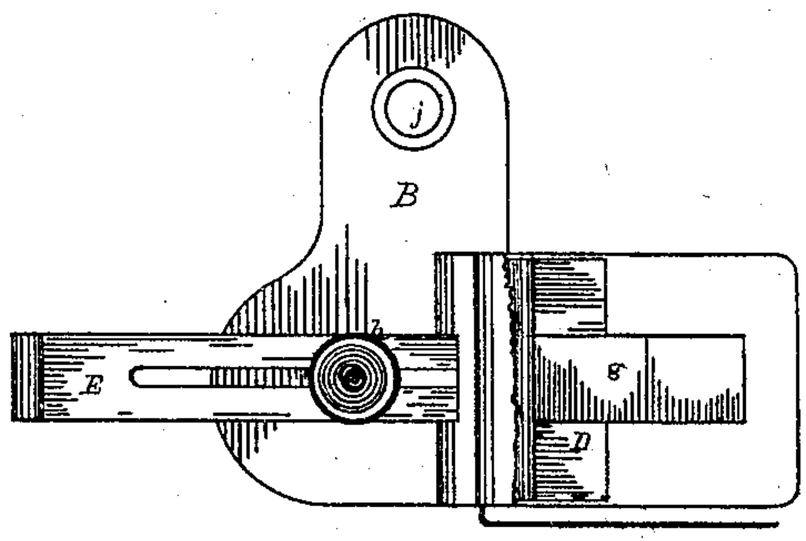
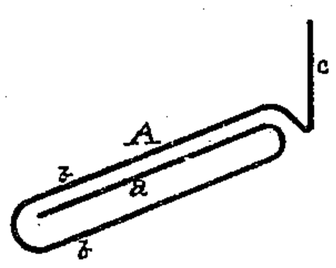


FIG. 3

FIG. 4



WITNESSES

H. C. Merrick

C. C. Parker

INVENTOR

Stephen Morey.

UNITED STATES PATENT OFFICE.

STEPHEN MOREY, OF BINGHAMTON, NEW YORK.

IMPROVEMENT IN HEMMERS FOR SEWING-MACHINES.

Specification forming part of Letters Patent No. **132,172**, dated October 15, 1872.

To all whom it may concern:

Be it known that I, STEPHEN MOREY, of Binghamton, in the county of Broome and State of New York, have invented certain Improvements in Hemmers for Sewing-Machines, of which the following is a specification:

My invention relates to the employment of a supplementary folder or guide, constructed as shown, in combination with a hemmer, consisting of a base-plate provided with a stationary and movable tongue, in such a manner that said devices shall be capable of supporting and turning hems of different widths.

Figure 1 in the accompanying drawing is a side elevation of a hemmer with the attachment embodying my invention. Fig. 2 is a plan of same with the stationary tongue removed, showing the movable tongue and the channel or "way" in the bed-plate which guides the adjusting-bar to which said tongue is attached. Fig. 3 is a side elevation of the hemmer with the supplementary folder detached, showing the manner of connecting it with the other parts. Fig. 4 is the supplementary folder detached.

A is the supplementary folder or guide, which is made of wire of the required thickness and bent to correspond with the folds of the hem, having a reversed tongue, *a*, running parallel with the sides *b b* nearly to the free end. This folder is hinged on an extension, *c*, of the wire, which is bent to a right angle, and works in a transverse socket, *d*, so that when the folder is in position it is parallel to and in front of the mouth of the hemmer, which hemmer has a base-plate, B, to which is attached a fixed or permanent tongue, C, made of sheet metal and bent to the form of a flat-sided oblong, the outer or free end *e* being curved and turned under sufficiently to guide the edge of the fabric toward the movable tongue D, which is attached to a sliding bar, E, which bar works in a channel or "way," *g*, in the bed-plate B. This sliding bar has a longitudinal slot in the center for a set-screw and nut, *h*. The folder A is hinged to the movable tongue, D, by the socket *d*, which, when the slide E is drawn out to its full extent, fits into a corresponding recess, *i*, in the fixed end of the tongue C. The movable tongue D may be readily adjusted to the required width for the hem by loosening up the thumb-nut *h*. When the base-plate B is once secured to the plate of the sewing-machine by means of the thumb-screw *j*, it remains permanently in position during the changes of said adjusting-tongue D, and as the sliding bar E, to which the tongue and the supplementary folder are attached, moves in the channel *g* any derangement of the feed or liability of the work to get out of line is prevented. By this arrangement the hem passes over the entire surface of the feed, while the ordinary hemmer allows of but a small proportion of the hem to be operated upon by the feed of the machine.

To hem, the hemmer is placed on the machine and secured in position by a thumb-screw, *j*, when the tongue D is adjusted to the required width for the hem and the supplementary folder detached; the cloth is then folded and held in the right hand and drawn through the opening under the free end of the tongue C to its position in the hemmer; then draw the cloth until the edge comes under the needle; then draw the work through the supplementary folder and reattach it to the hemmer; drop the presser-foot; and operate in the usual manner, holding the cloth in the left hand.

I do not claim, broadly, the hemmer, simply, consisting of the bed-plate with a stationary and movable tongue; but

What I claim as my invention is—

The combination of the supplementary folder A, constructed as shown and described, with the hemmer, consisting of the base-plate B, permanent tongue C provided with the recess *i*, adjustable tongue D with the socket *d*, and sliding bar E working in the channel *g*, all being constructed and arranged substantially as and for the purpose herein set forth.

STEPHEN MOREY.

Witnesses:

WM. M. CROSBY,

WM. L. STEVENS.