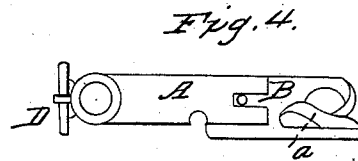
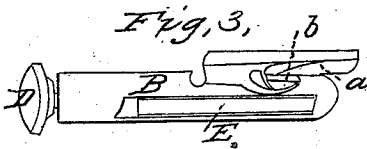
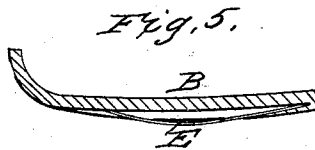
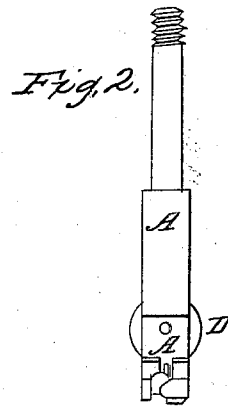
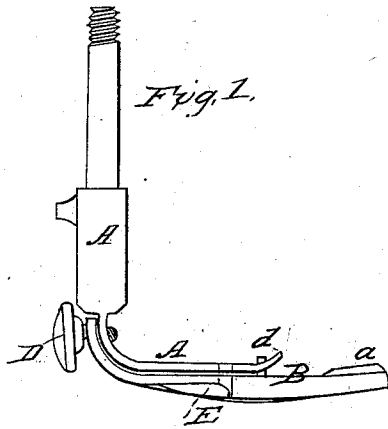


W. CLEMMONS.
Hemmer for Sewing Machines.

No. 23,079.

Patented March 1, 1859.



Witnesses:
Wm. J. Scott
W. Brown.

Inventor:
William Clemmons

UNITED STATES PATENT OFFICE.

WM. CLEMMONS, OF NICHOLASVILLE, KENTUCKY.

IMPROVEMENT IN HEMMING-GUIDES FOR SEWING-MACHINES.

Specification forming part of Letters Patent No. 23,079, dated March 1, 1859.

To all whom it may concern:

Be it known that I, WILLIAM CLEMMONS, of Nicholasville, in the county of Jessamine and State of Kentucky, have invented a Hemming Attachment for Sewing-Machines, the construction and operation of which I have described in the following specification and illustrated in its accompanying drawings with sufficient clearness to enable competent and skillful workmen in the arts to which it pertains or is most nearly allied to make and use my invention.

In the patent granted to S. P. Chapin the 19th day of February, 1856, a hemming attachment is described, which is at present modified and applied by the Wheeler & Wilson Sewing-Machine Company, in some respects very closely resembling mine, and which is of great utility for hemming purposes. The hemmer of Chapin has its objections, one of which is that the folding under of the hem and the running of perhaps an uneven edge under the pad, together with the accumulation of a hem or roll of uncertain thickness under one side of the pad, has the effect to render the operation of feeding rather uncertain, and in many cases difficult with the construction and arrangement of parts which are now known to the public, and this difficulty is made more formidable from the fact that the pressure-pad has to be recessed away from the feeder to prevent the teeth of said feeder from being dulled by the severe abrasion to which the heavy pressure required upon the pressure-pad would otherwise subject them.

My said invention is intended to obviate this difficulty; and it consists in the attachment of a secondary spring in the groove in the hemming attachment, into which the feeder works for the purpose of holding the cloth down to the feeder without reference to the thickness of the hem, as hereinafter more fully set forth.

My invention is represented in the drawings which accompany this specification, as follows:

Figure 1 is a side elevation of my hemming attachment, showing it attached to an ordinary pressure-pad of a sewing-machine, such as is commonly manufactured by the Wheeler & Wilson Sewing Machine Company. Fig. 2 is an elevation of the same parts, the parts at the right hand of Fig. 1 being represented toward

the observer in Fig. 2. Fig. 3 is an under side view. Fig. 4 is a plan. Fig. 5 is a section of a part of the hemmer, showing the secondary spring which keeps the cloth down to the feeder.

A is the ordinary pressure-pad of a Wheeler & Wilson sewing-machine, the general construction and mode of attachment to the machine of which is the same as that generally employed.

B is the hemming attachment, or, rather, the main piece or stock of it, to which its smaller parts are attached. This is made with a groove for the hem, and a spring-guide, and point *a* and *b*, to give the edge of the cloth a spiral direction to fold the hem, the same as the hemmer of Chapin, manufactured by the Wheeler & Wilson Company, above mentioned. So far my hemmer does not, except in its mode of attachment, differ very essentially from the preceding one of the parties above named.

I so construct my attachment that it may be readily attached to the ordinary pressure-pad of the sewing-machines above mentioned without the necessity of removing any of the parts. The general idea of the details of construction adopted may be gathered from a glance at Fig. 1. The attachment is so formed as to fit the under side of the pressure-pad nearly the whole length of the under face of said pad. A slot is filed in the end of the said pressure-pad to receive the pin *d*, which fits into it to secure the hemming attachment from turning. The other end of the attachment is secured and the whole of it kept up in place by the thumb-screw *D*, which is tapped into the shank of the pressure-pad just above where it rises in an elbow from the cloth to unite with the parts above it. This attachment is very plain and simple and further description is unnecessary. It enables the operator to remove or replace the hemming attachment in a moment.

To prevent the cloth from getting away from the feeder, while at the same time the points of the teeth of said feeder are secured from the heavy pressure of the pad which holds the cloth upon the bed, and to secure certainty of action without reference to the thickness of the hem, I attach a spring, *E*, to the hemmer in the groove above the feeder, as shown in the drawings. A piece of heavy lever watch-spring is quite sufficient for the purpose, and exerts a slight pressure, which holds the cloth

down to the feed, while at the same time it acts independently to a certain extent of the action of the pressure-pad.

Having thus fully described my invention, I wish it distinctly understood that I make no claim to the general construction of the hemmer, or any portion of the devices for forming and turning over the hem. Neither do I claim forming a recess in its under side to relieve the teeth of the feeder, as this has already been done.

The particular improvement which consti-

tutes my said invention, and which I claim as having been originally and first invented by me, is—

The combination, with the hemming attachment, of the spring E, placed in the groove under the pressure-pad, substantially as described for the purpose set forth.

WILLIAM CLEMMONS.

Witnesses:

WM. S. SCOTT,

W. BROWN.