

C. H. WILLCOX.
Hemmer for Sewing Machines.

No. 43,657.

Patented July 26, 1864.

Fig. 1,

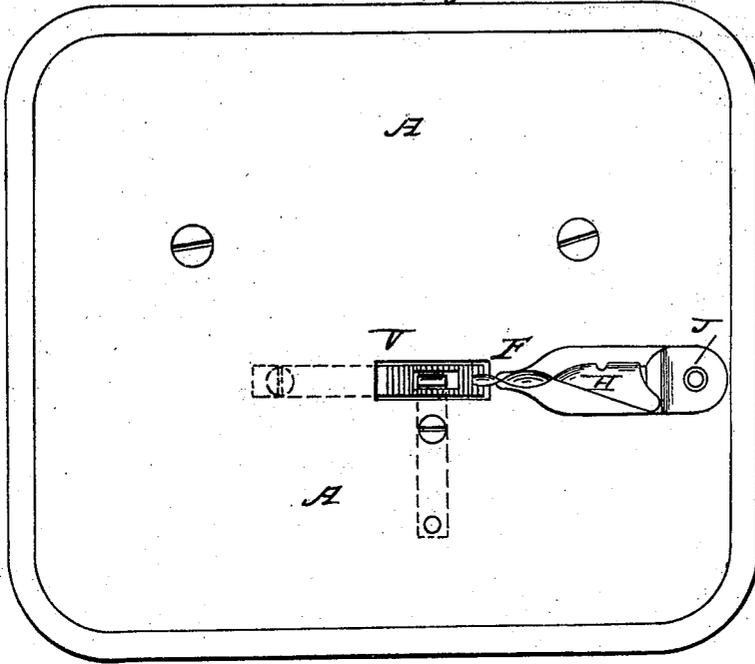


Fig. 2,

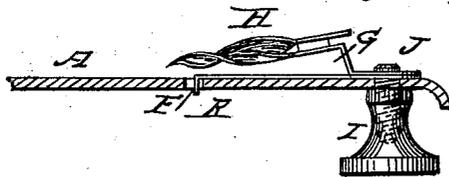


Fig. 3,

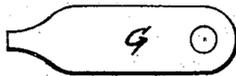
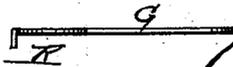


Fig. 4,



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Inventor:
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UNITED STATES PATENT OFFICE.

CHARLES H. WILLCOX, OF NEW YORK, N. Y., ASSIGNOR TO JAMES WILLCOX
OF SAME PLACE.

IMPROVEMENT IN HEMMERS FOR SEWING-MACHINES.

Specification forming part of Letters Patent No. 43,657, dated July 26, 1864.

To all whom it may concern:

Be it known that I, CHARLES H. WILLCOX, of New York, in the county and State of New York, have invented certain new and useful Improvements in Sewing-Machines; and I hereby declare that the following is a full, clear, and exact description of the same.

In all modern sewing-machines the various operations of hemming, felling, cording, &c., may be performed automatically by means of devices or contrivances which are used as attachments thereto. These hemming, felling, or other attachments require the nicest adjustment to insure the regular performance of the work, for, unless arranged in a certain fixed relation to the feeding and sewing mechanism, they will either fail to perform the work intended or produce it in an irregular and imperfect manner. In sewing-machines heretofore constructed hemmers, felling and other like devices were secured to the sewing-table or cloth-plate by means of a set-screw. The objections to this mode of attachment consisted, first, in the difficulty of properly adjusting the devices; second, in their liability to move or be displaced.

The object of this invention is to facilitate the correct adjustment of the said devices, and when adjusted to obviate their moving or being displaced; and my invention consists in attaching a check-plate to the under sides of hemmers or felling-guides, such plate being provided at one end with a check-pin, which enters a hole in the cloth-plate of the sewing-machine, by which simple contrivance the hemmer or feller can always be placed in its correct position, while it is at the same time effectually prevented from moving or becoming accidentally displaced by the working of the machine.

In order that the said invention may be fully

understood, I shall now proceed more particularly to describe the same, and for that purpose I shall refer to the several figures on the sheet of drawings hereunto annexed, the same letters of reference indicating corresponding parts in all the corresponding figures.

Figure 1 represents a top and Fig. 2 a side elevation of the check or adjusting plate G of the self-adjusting hemmer, which plate is shown attached to a hemmer, H, at Figs. 3 and 4, representing respectively elevation and plan of the same.

A represents part of the cloth-plate of a sewing-machine, in which is the hole for the reception of the hemmer-screw J. By means of this screw and the thumb-nut I the hemmer is fastened to the plate. The check-plate G is riveted or otherwise firmly fastened to the under side of the hemmer H in the proper position to insure the right adjustment of the hemmer with the needle when the projection K enters the hole F in the plate intended for its reception.

Having now described and particularly ascertained the nature of the said invention and the manner in which the same is or may be used or carried into effect, I would observe in conclusion that what I consider to be novel and original, and therefore claim as my invention, is—

The application and use, in combination with a hemmer or other attachment to sewing-machines, of a check or adjusting plate, substantially as herein shown and described.

In testimony whereof I have signed my name to this specification before two subscribing witnesses.

CHAS. H. WILLCOX.

Witnesses:
E. P. HATCH,
JAMES KILNER.