

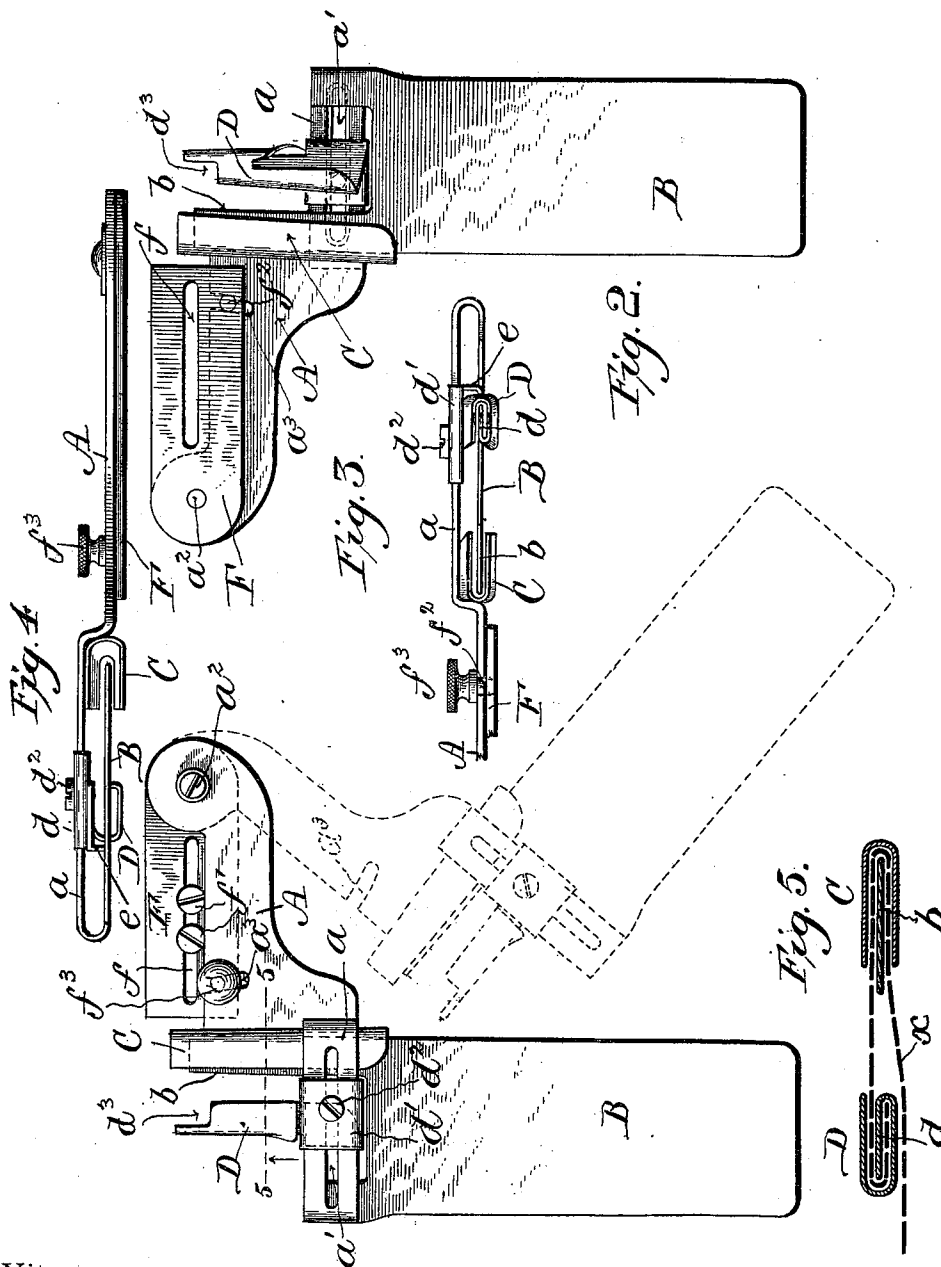
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Patented Apr. 25, 1899.

P. DIEHL & M. HEMLEB.
SEWING MACHINE HEMMER.

(Application filed Mar. 31, 1898.)

(No Model.)



Witnesses:

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Fig. 1.

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UNITED STATES PATENT OFFICE.

PHILIP DIEHL AND MARTIN HEMLEB, OF ELIZABETH, NEW JERSEY, ASSIGNORS TO THE SINGER MANUFACTURING COMPANY, OF NEW JERSEY.

SEWING-MACHINE HEMMER.

SPECIFICATION forming part of Letters Patent No. 623,891, dated April 25, 1899.

Application filed March 31, 1898. Serial No. 675,871. (No model.)

To all whom it may concern:

Be it known that we, PHILIP DIEHL and MARTIN HEMLEB, citizens of the United States, residing at Elizabeth, in the county of Union and State of New Jersey, have invented certain new and useful Improvements in Sewing-Machine Hemmers, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to an adjustable sewing-machine hemmer by means of which hems of different widths may be formed at the edges of fabrics, the object of the invention being to provide an adjustable hemmer which will be simple in construction and convenient in use.

To this end the improved hemmer comprises a supporting-plate with which is connected a guide-plate and edge-turner, said edge-turner being laterally adjustable, so as to provide for forming hems of different widths, and the said supporting-plate being preferably pivoted to a base-plate adapted to be adjustably secured to the work-plate of the machine, so that the hemmer may be adjusted to different lateral positions and so that it may be swung aside when not wanted for use.

In the accompanying drawings, Figure 1 is a plan view of the improved hemmer, and Fig. 2 a bottom view thereof. Fig. 3 is an edge view of the hemmer, looking at the same from the top of Fig. 1 and on a somewhat larger scale than Figs. 1 and 2, with portions of the supporting-plate and base-plate broken away. Fig. 4 is an edge view of the hemmer looking from the bottom of Fig. 1 and on the same scale as Fig. 3; and Fig. 5 is an enlarged sectional view on line 5 5, Fig. 1.

A denotes a supporting arm or plate provided with a bridge-piece *a*, the said bridge-piece supporting an extended guide-plate or tongue B, over the inner or right-hand edge of which the goods to be hemmed may be folded, said tongue or guide-plate being supported above the work-plate of the sewing-machine, so that when applied to the machine the fabric being hemmed may extend beneath the said tongue or guide-plate. To the supporting-plate A is attached a U-shaped or doubled plate C, within the two arms of which extends

the forward narrow end *b* of the guide-plate or tongue B.

D is the edge-turner proper, adjustably supported on the bridge-piece *a* and consisting of a piece of thin metal folded upon itself to form the tongue *d*, around which the folded or inturned edge of the goods will be lapped, as more clearly shown in Fig. 5. In the present form of the invention the edge-turner D is shown as being carried by a sleeve *d'*, adjustably secured to the bridge-piece *a* by a set-screw *d''*, extending through a slot *a'*, with which said bridge is provided; but it will be understood that any other suitable or equivalent means may be employed for adjustably securing the edge-turner D to the bridge *a*.

The supporting-plate A is preferably pivoted at *a''* to a base-plate F, which is in turn preferably adapted to be adjustably secured to the work-plate of the machine, said base-plate being provided with a slot *f*, through which one or more attaching-screws *f'* extend and which screws will be tapped in the work-plate of the machine. The base-plate F is provided with a pin or stud *f''*, the upper end of which is threaded for the reception of a thumb-nut *f'''*, adapted to register with said pin or stud when the parts are in the position shown in full lines in Figs. 1 and 2 and will be held in working position by the said thumb-nut *f'''* when the latter is screwed down tight against the said supporting-plate. When, however, the hemmer is not desired for use, said thumb-nut may be loosened slightly and the hemmer then be swung aside, as indicated in dotted lines in Fig. 1.

In the use of the improved hemmer the fabric *x* will be laid upon the work-plate of the machine and the fold thereof will be doubled over the inner or right-hand edge of the guide-plate B, and the fabric edge to be hemmed will be brought against an edge-guide *e*, which is connected with the edge-turner D, so as to be adjustable laterally therewith. This edge-guide *e* is slightly to the left, Figs. 1 and 4, of the plane of the outer edge of the edge-turner D, so that the goods lying against said edge-guide will be turned in by said edge-turner, as indicated in Fig. 5, as the fabric is moved forward to

ward the stitch-forming mechanism of the machine. The front edge of the edge-turner is cut away, so as to form a notch at d^3 , into which the presser-foot of the machine can
 5 extend, so that the fabric will be held by the edge-turner and other parts of the hemmer until it is close to the needle of the machine, thereby insuring an accurate presentation of the work to the needle.

10 We are aware that hemmers have heretofore been provided with extended tongues or guide-plates, over which the fabric edges are folded, in combination with suitable edge-guides and edge - turners and supporting
 15 plates or arms for the same—such, for example, as are shown in United States Patents Nos. 76,720 and 128,876. We are also aware that adjustable hemmers embodying edge-
 20 turners, in combination with guide-plates or tongues over which the fabric edges are folded for forming hems of different widths, are also old—as, for example, such as are shown in United States Patents Nos. 37,505, 69,095,
 25 and 117,604. We do not therefore wish to be understood as claiming these features broadly.

Having thus described our invention, we claim and desire to secure by Letters Patent—

30 1. The combination with a supporting-plate A provided with the transverse arm or bridge-piece a , of the guide-plate B permanently at-

tached to and extending out in front of the said bridge-piece and provided with the extended part b , the fixed doubled guide C with- 35 in the two arms of which the said part b extends, and the edge-turner or hemmer D supported by said bridge-piece a and laterally adjustable relative to the said bridge-piece and to the said guide-plate B; whereby, by 40 adjusting the said edge-turner or hemmer, different widths of hems may be made with the use of the same guide-plate B.

2. The combination with the supporting-plate A provided with the transverse arm or 45 bridge-piece a , of the guide-plate B extending out in front of the said bridge-piece and provided with the part b , the doubled guide C within the two arms of which the said part b extends, the laterally - adjustable edge- 50 turner D supported by said bridge-piece a , the base-plate F to which the said supporting-plate A is pivotally attached, and means for securing said supporting-plate to said base-plate to hold the parts in working posi- 55 tion.

In testimony whereof we affix our signatures in the presence of two witnesses.

PHILIP DIEHL.
 MARTIN HEMLEB.

Witnesses:

HENRY J. MILLER,
 HAROLD W. BROWN.