

(No Model.)

2 Sheets—Sheet 1.

M. R. K. FOWLKES & M. E. J. BENNETT.
SEWING MACHINE HEMMER.

No. 579,052.

Patented Mar. 16, 1897.

Fig. 1.

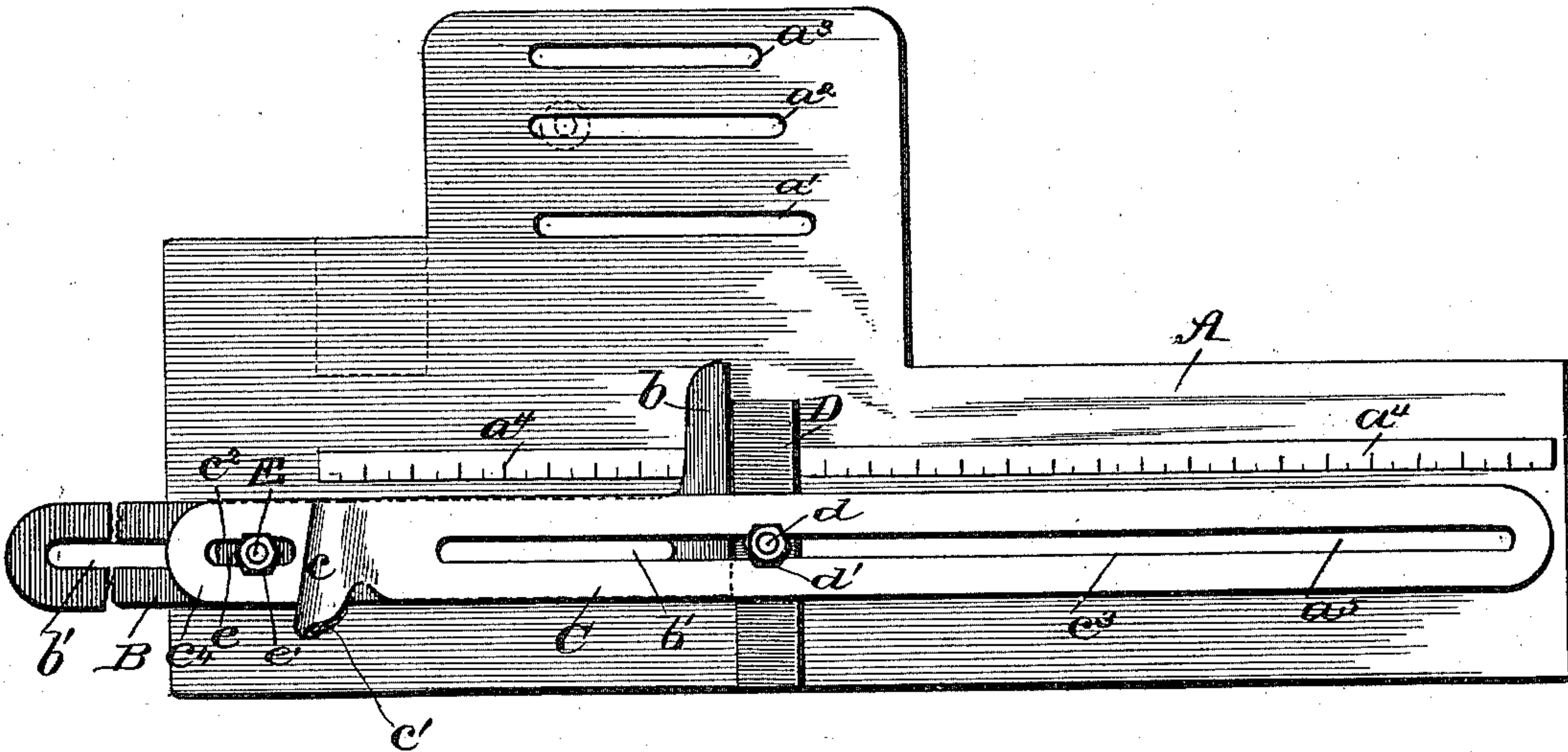


Fig. 2.

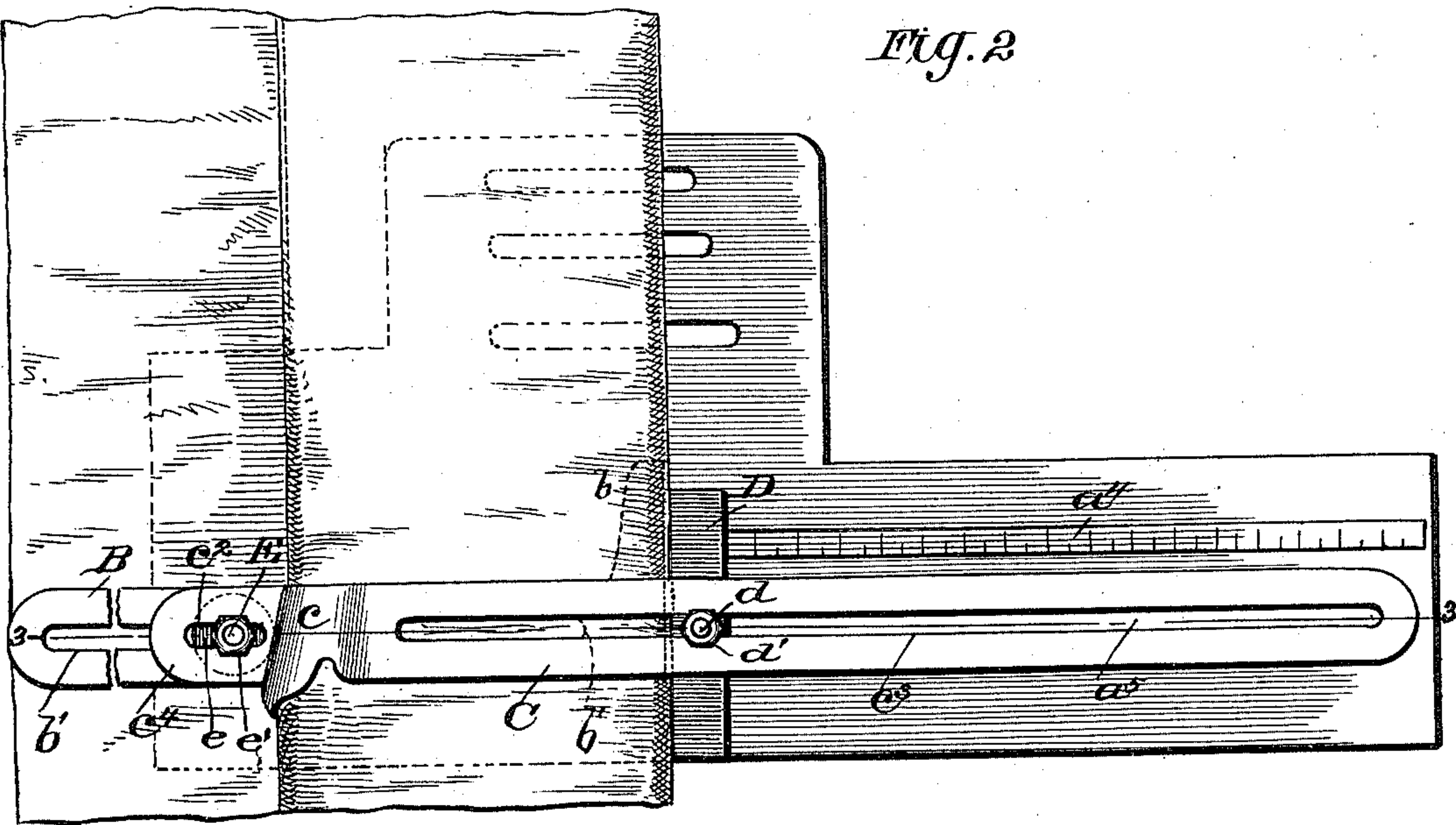
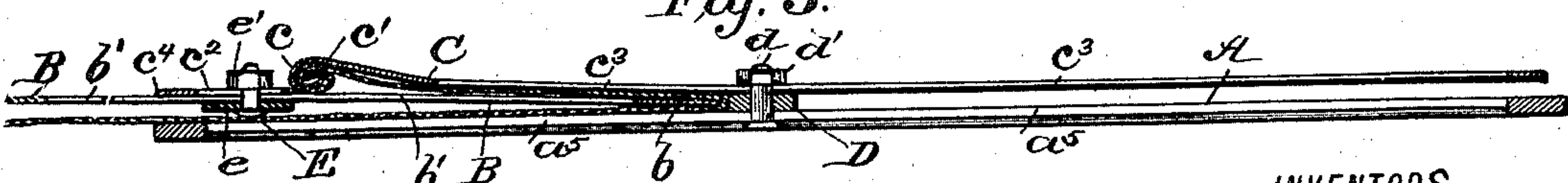


Fig. 3.



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2 Sheets—Sheet 2.

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Fig. 4.

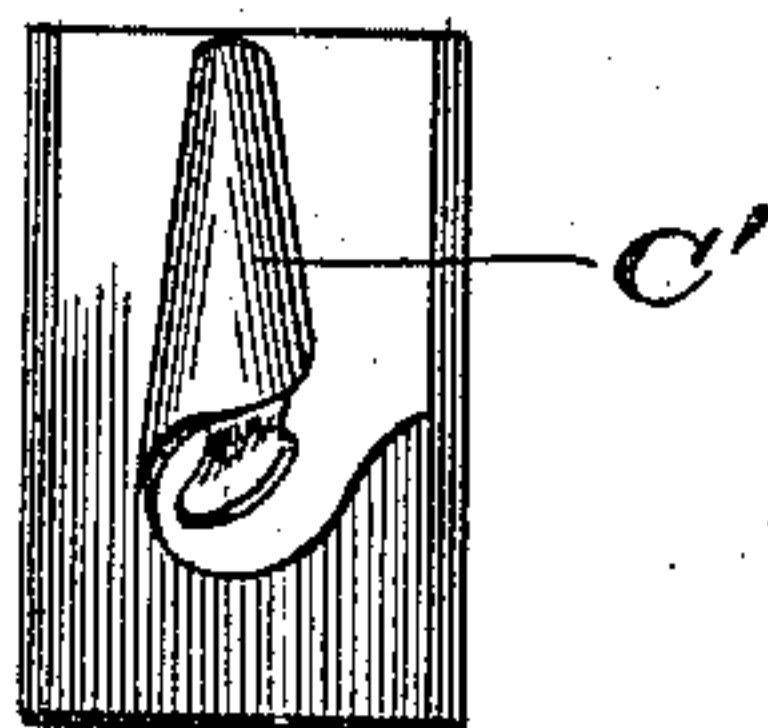


Fig. 5.

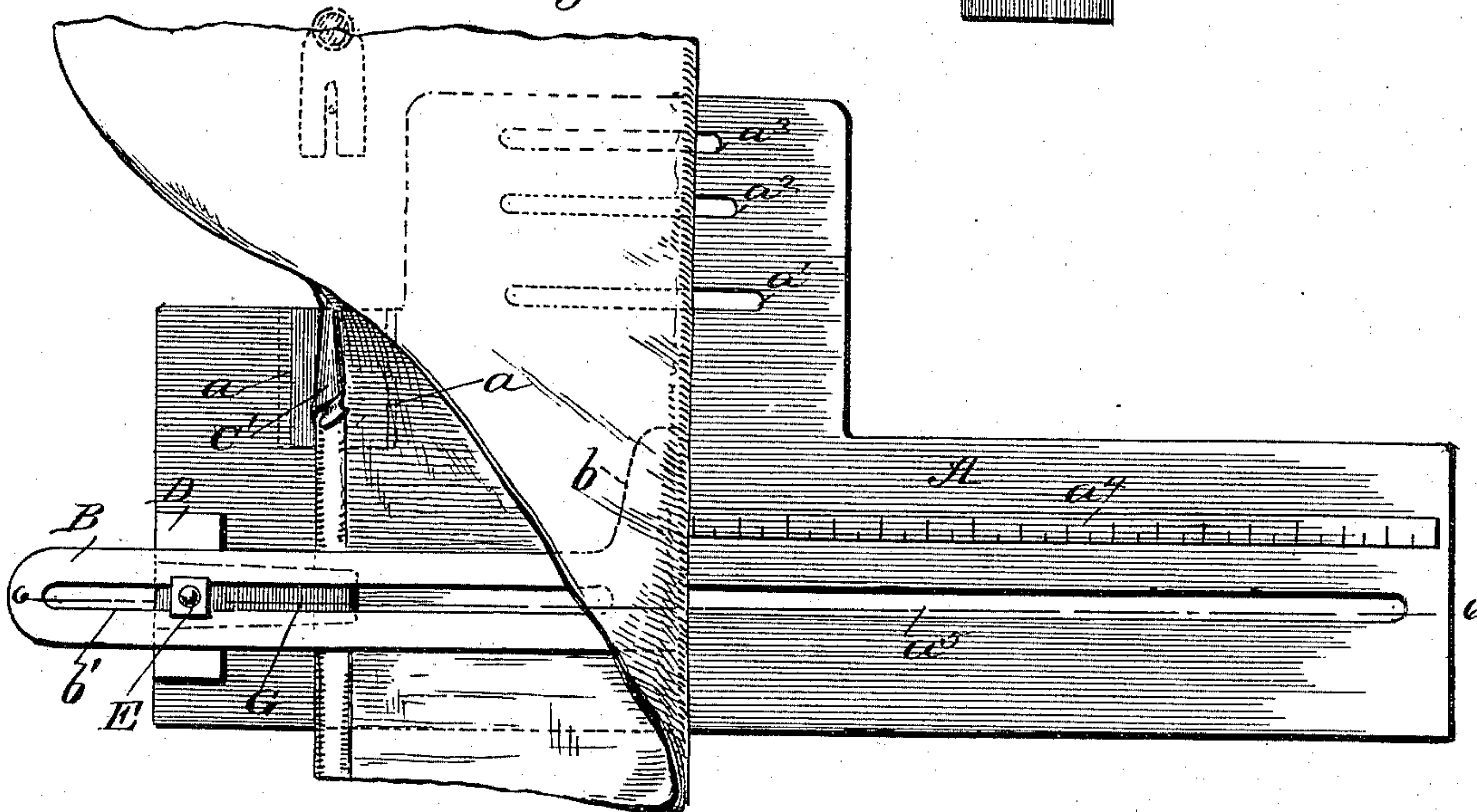
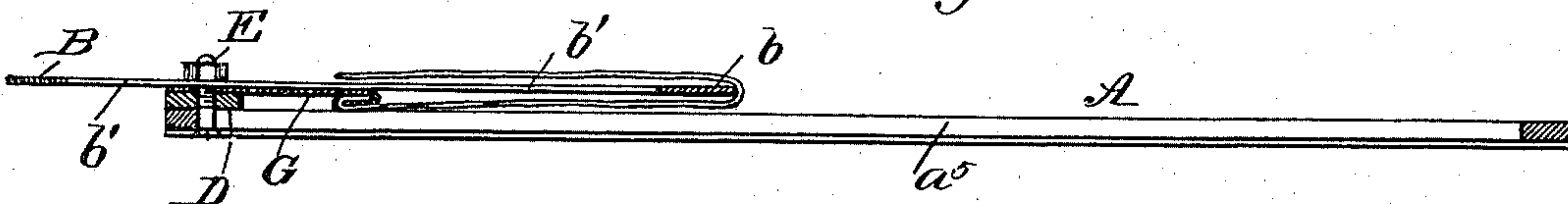


Fig. 6.



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UNITED STATES PATENT OFFICE.

MARY R. K. FOWLKES AND MARY E. J. BENNETT, OF SELMA, ALABAMA.

SEWING-MACHINE HEMMER.

SPECIFICATION forming part of Letters Patent No. 579,052, dated March 16, 1897.

Application filed October 15, 1896. Serial No. 608,929. (No model.)

To all whom it may concern:

Be it known that we, MARY R. K. FOWLKES and MARY E. J. BENNETT, of Selma, in the county of Dallas and State of Alabama, have
5 invented a new and useful Improvement in Sewing-Machine Hemmers, of which the following is a specification.

Our invention is in the nature of an improved hemmer for sewing-machines designed
10 to produce hems of any width from one-fourth of an inch to eight inches and which may be applied with very slight changes either to the lock-stitch or chain-stitch machines.

It consists in the peculiar construction and
15 arrangement of the various parts of the attachment, as hereinafter described, and pointed out in the claims.

Figure 1 is a plan view of the entire attachment as arranged for a lock-stitch machine.
20 Fig. 2 is a similar view showing the work in place. Fig. 3 is a section on line 3 3 of Fig. 2. Fig. 4 is a detached view of a part of the hemmer used when the attachment is applied to a chain-stitch machine. Fig. 5 is a plan showing
25 such device applied to the other parts, and Fig. 6 is a section on line 6 6 of Fig. 5.

In the drawings, A represents the base-plate of the attachment, which is provided along its front edge with a long slot a^5 , a graduated
30 scale a^4 parallel to said slot, and behind this three shorter parallel slots a^1 a^2 a^3 , which latter are designed to receive set-screws that fasten the hemmer to the table of the machine in a detachable manner.

35 B is the gage-bar. This is a long bar having a longitudinal slot b' in it extending nearly its full length and having at one end a broad foot b , that fits in the fold at the bottom of the hem. This bar lies between the body of
40 the fabric and the turned-over part of the hem, as shown in Figs. 2 and 3.

C is the hem-turner. This is another long bar having a longitudinal slot extending nearly its full length and provided on its inner
45 end, or end next to the needle, with the curled-over part c , which turns downwardly and under and over again at c' to form the folder for turning under the marginal edge of the hem preparatory to stitching it down.

50 Rigidly attached to and forming a prolongation of the hem-turner from its lower side is an extension c^4 , having a slot c^2 parallel and

in alinement with slot c^3 of this part. This slot receives a short bolt E, which also passes through the slot b' of the gage-bar, which lies
55 beneath this extension, and on the under side of this extension is provided with a broad head or washer e , while a nut e' on the bolt above the extension clamps the said extension and gage-bar rigidly together and holds
60 them firmly, but adjustably, in relation to each other, the gage-bar being supported entirely upon the extension c^4 of the hem-turner. The hem-turner itself is supported at a little distance above the plate A by a cross-bar D
65 and a bolt d . This bolt passes through the slot c^3 of the hem-turner, then through a perforation in the cross-bar D, and then through the slot a^5 of the base-plate A. The head of this bolt plays in undercut ways in the lower
70 edges of the slot a^5 , and a nut d' , lying above the hem-turner and engaging with the screw-thread of the bolt d , serves to clamp the hem-turner C, the cross-bar D, and the lower plate A rigidly together at any desired adjustment.
75 The cross-bar D forms a guide for the extreme edge of the hem, and its connection permits it to be moved with the hem-turner C along the slot in the subjacent plate A to any desired point, while the same connection
80 allows the hem-turner by reason of its slot c^3 to be moved over the cross-bar to give any desired width of hem, only limited by the length of the gage-bar and hem-turner.

When the device is to be applied to chain-
85 stitch machines, the hem-turner C is not used, but a small hem-turner C' , Fig. 4, is slipped into guideways a a , Fig. 5, in a rectangular opening in plate A just in front of the needle. The other parts of the hemmer are arranged
90 as shown in Figs. 5 and 6 when applied to such chain-stitch machines, and a second hook-shaped folder G is secured upon the clamp-bolt E between the head of the said bolt and the gage-bar. This is to give an addi-
95 tional turn to the upper fold of the hem. It is only used when the hemmer is set for the chain-stitch machines, being unnecessary for the lock-stitch machines when the fold is turned up, as the operator can then see and
100 guide the work herself.

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

1. A sewing-machine hemmer consisting of a long and longitudinally-slotted bar C having a hem-turner $c\ c'$ on its end next to the needle and a slotted extension c^4 attached to the lower side of the hem-turner, a long and longitudinally-slotted gage-bar B with guide-foot at its end, a clamp-bolt detachably connecting the gage-bar to the under side of the slotted extension, and a cross-bar D, and a clamp-bolt for adjustably fastening the hem-turner bar to its subjacent support substantially as and for the purpose described.

2. A sewing-machine hemmer comprising a base-plate A with longitudinal front slot a^5 and parallel graduations a^4 ; in combination with the longitudinally-slotted gage-bar B with foot b , the cross-bar D with clamp-bolt secured in the slot a^5 of the base-plate, and a separate hem-turner substantially as and for the purpose described.

3. A sewing-machine hemmer comprising a

long and longitudinally-slotted bar C having a hem-turner $c\ c'$ on its end next to the needle, and a slotted extension c^4 attached to the lower side of the hem-turner, a long longitudinally-slotted gage-bar B with guide-foot at its end, a clamp-bolt detachably connecting the gage-bar to the under side of the slotted extension, a base-plate A with longitudinal slot a^5 and graduated scale, a cross-bar D arranged above said plate at right angles to the said slot, and a clamp-bolt passing through the hem-turner bar, the cross-bar, and the base-plate, and detachably and adjustably connecting these parts substantially as and for the purpose described.

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Witnesses:

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