

(No Model.)

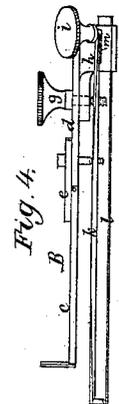
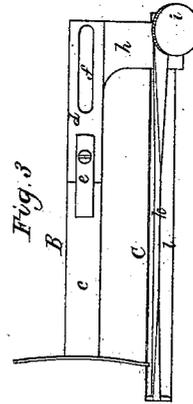
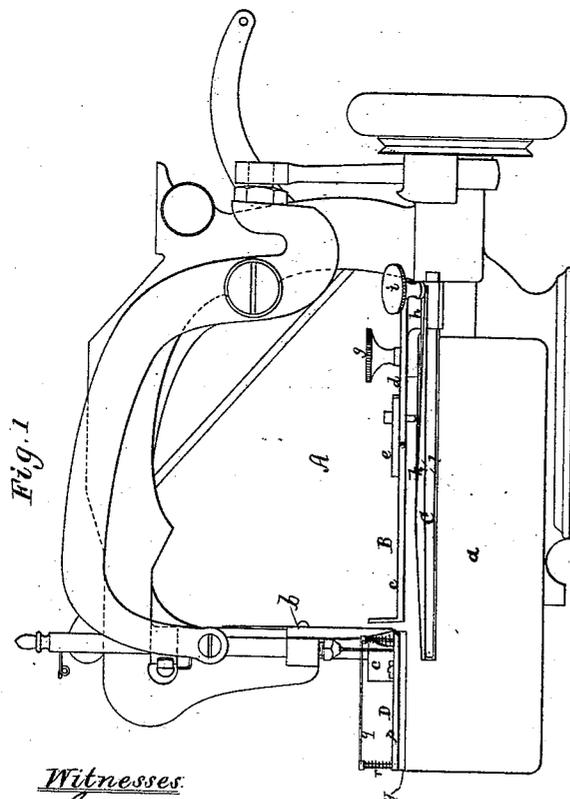
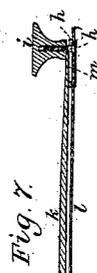
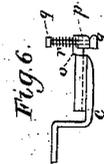
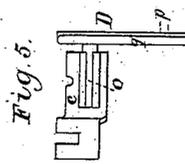
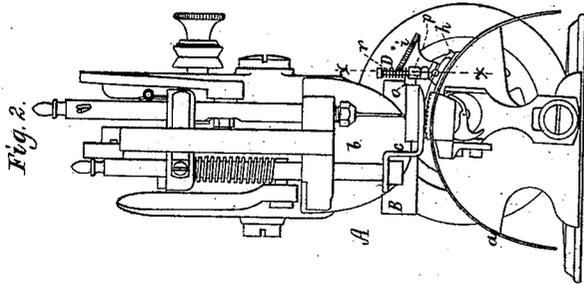
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J. F. HAMILTON.

MECHANISM FOR SIMULTANEOUSLY SEWING TO A HAT ITS BAND AND LINING.

No. 299,780.

Patented June 3, 1884.



Witnesses
S. N. Piper
C. P. Rath

Inventor
John Fisher Hamilton
 by *R. H. Eddy* atty.

(No Model.)

2 Sheets—Sheet 2.

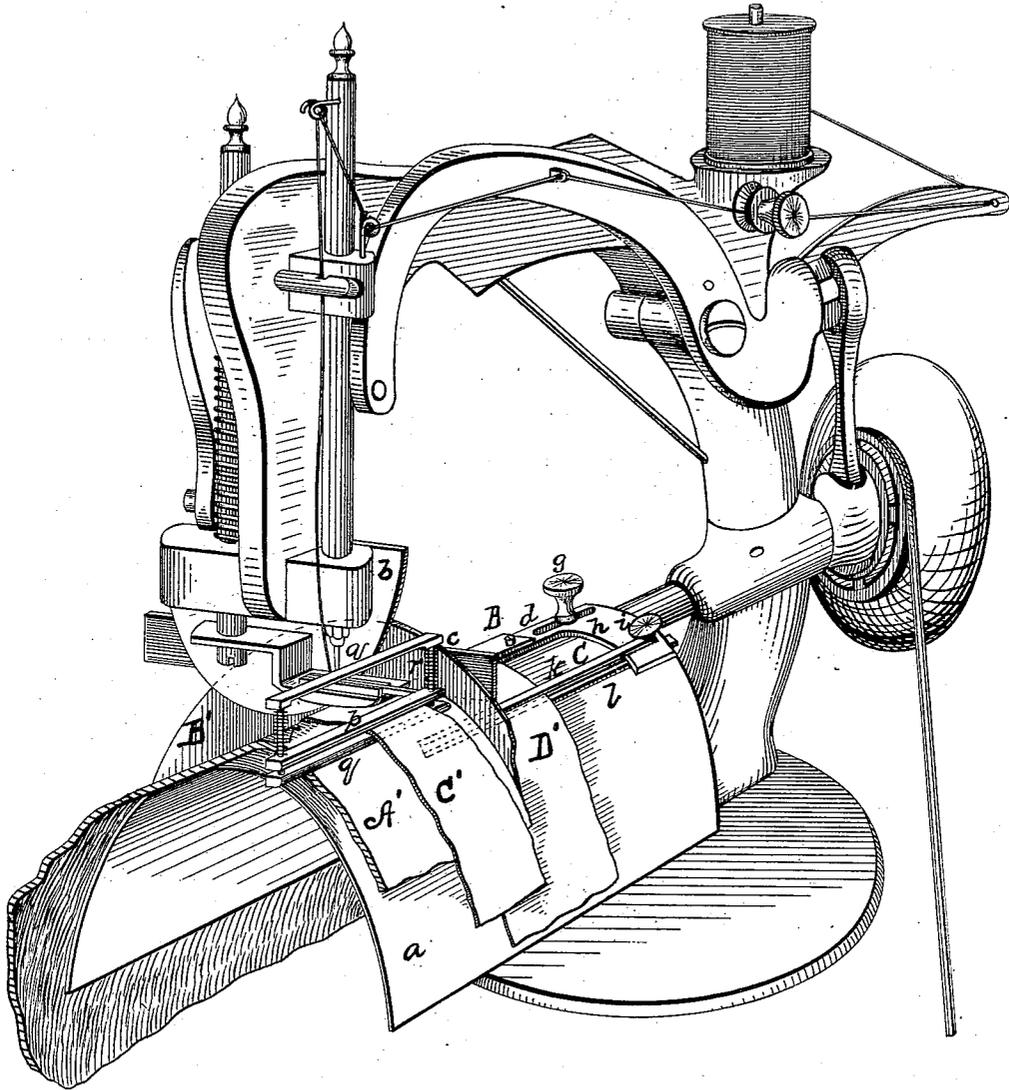
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MECHANISM FOR SIMULTANEOUSLY SEWING TO A HAT ITS BAND
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Fig. 9.



WITNESSES:

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INVENTOR

John F. Hamilton,
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UNITED STATES PATENT OFFICE.

JOHN FISHER HAMILTON, OF MEDFIELD, MASSACHUSETTS.

MECHANISM FOR SIMULTANEOUSLY SEWING TO A HAT ITS BAND AND LINING.

SPECIFICATION forming part of Letters Patent No. 299,780, dated June 3, 1884.

Application filed October 17, 1883. (No model.)

To all whom it may concern:

Be it known that I, JOHN FISHER HAMILTON, of Medfield, in the county of Norfolk, of the Commonwealth of Massachusetts, have invented a new and useful Improvement in Mechanism for Simultaneously Sewing to a Hat its Band and Lining; and I do hereby declare the same to be described in the following specification and represented in the accompanying drawings, of which—

Figure 1 is a side elevation showing in section the hat, band, and lining, these being on the line *x x*, Fig. 2; and Fig. 2, a front end view of a Willcox & Gibbs sewing-machine provided with my invention, the nature of which is defined in the claims hereinafter presented. Fig. 3 is a top view, and Fig. 4 is an edge elevation, of the hat and lining-guides, to be described. Fig. 5 is a top view, and Fig. 6 an end elevation, of the band-guide and the presser. Fig. 7 is a longitudinal section, and Fig. 8 a transverse section, of the lining-guide. Fig. 9 represents a perspective view of a machine provided with my invention, and shows the various parts of a hat in position to be sewed together, A' being the crown of the hat, B' the brim, C' the band, and D' the lining.

My invention is for the purpose of sewing to the body of a hat at one and the same time by a sewing-machine both the sweat-lining and the hat-band, the stitches produced by the machine going successively through the hat, the band, and lining.

The sewing-machine A is shown in the drawings as provided with an arched bed or plate, *a*, for the body of the hat to rest on, besides which it has a flat upright or plate, *b*, against which the hat-rim rests while the hat, the lining, and the band are being stitched together. The arched bed or plate *a* projects some distance in front as well as some distance in rear of the presser *c* of the machine, in order for the said bed-plate to extend within the hat-body, and the latter to properly rest on the plate, the brim at the same time being extended upward in rear of and against the bearing *b*, and between it and the adjustable rim-guide B, arranged as shown.

The rim-guide B is in two parts, *c* and *d*, which are "rule-jointed" together, in order that the front part, of T-form, may be turned from a horizontal up into a vertical position, or vice versa. A turn-button, *e*, pivoted to the rear part, *d*, serves, when turned over upon the part *c*, to preserve it in range with the part *d*. This latter part *d* has a slot, *f*, arranged in it lengthwise of it to receive a clamp-screw, *g*, which goes down through the slot and screws into the frame of the machine. To an arm, *h*, extending from the said part *d*, the lining-guide C is fastened by a screw, *h'*, and nut *i*, such guide being adapted to the arm so as to be movable therein lengthwise of the guide. The screw *h'* and nut *i* serve to clamp the guide to the arm. This guide, as shown, is composed of two bars, *k* and *l*, connected together at their front ends, one bar being arranged over the other, with a space between them for the lining to pass through. The screw *h'* extends upward from the lower of such bars, and through a slot, *m*, made in the arm. The nut, on being screwed downward, can be made to press the upper bar against the arm, and aid in clamping the guide to the arm.

The presser *c* sustains the band-guide D, which is provided with a dovetailed tongue, *o*, to extend into a corresponding groove formed in the presser. This band-guide consists not only of a bar, *p*, from which the tongue *o* extends at right angles with it, but of a rectangular frame, *q*, between whose horizontal bars the bar *p* is arranged, the vertical bars of such frame going up through the bar *p* loosely and being encompassed by spiral springs *r*, extending from the bar *p* upward to the upper bar of the frame. These springs draw the lower bar of the frame upward.

The hat-band is to be introduced between the bar *p* and the lower bar of the frame *q*, such band being guided by them with sufficient tension upon it as the hat may be moved in the process of sewing the band and lining to it. The lining at the same time goes through the lining-guide or between its two bars, and, with the hat-body and the band, will be simultaneously and intermittently moved by

the feeder of the sewing-machine, in order for the needle and looper to properly act in producing the stitches successively.

I claim—

- 5 1. In combination with the stitch-forming mechanism of a hat-sewing machine, the brim-guide consisting of the part *d*, having the shank *h*, and provided with means whereby it may be attached to the bed-plate of the
10 sewing-machine, and the T-shaped part *C*, connected to the part *d* by a rule-joint, combined with the stop *e*, whereby the said part *e* may be securely clamped in its operative position, all as set forth.
- 15 2. In combination with the stitch-forming

mechanism of a hat-sewing machine, the brim-guide provided with the shank *h*, having the slot *m* therein, the lining-guide composed of the two bars *k* *l*, connected together at their outer ends, and adapted at their inner ends to
20 receive the shank *h* between them, the screw-bolt *h'*, passing from the bar *l* through the slot *m* and bar *k*, and the nut *i*, whereby the lining-guide is rendered laterally adjustable upon the brim-guide, as set forth.

JOHN FISHER HAMILTON.

Witnesses:

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E. B. PRATT.