

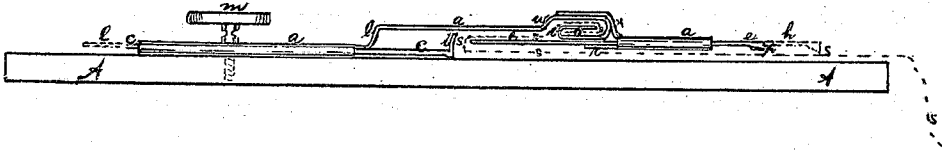
GEORGE E. DOLTON.

Improvement in Hemmer for Sewing Machines.

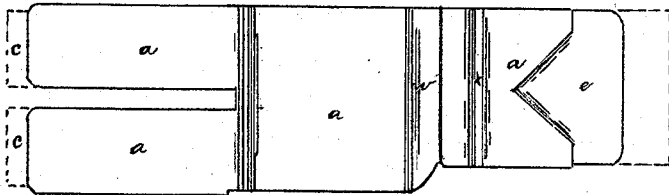
No. 125,033.

Patented March 26, 1872.

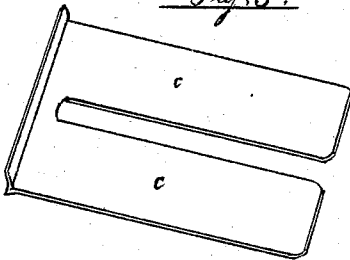
*Fig. 1.*



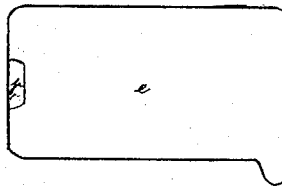
*Fig. 2.*



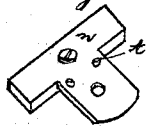
*Fig. 3.*



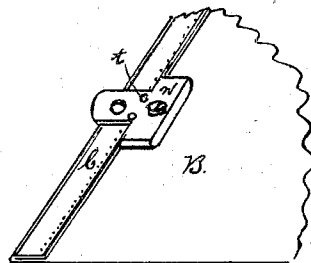
*Fig. 4.*



*Fig. 5.*



*Fig. 6.*



Witnesses

Thos B. Hutchins  
H. Lowe

Inventor

Geo E. Dolton

# UNITED STATES PATENT OFFICE.

GEORGE E. DOLTON, OF MONEE, ILLINOIS.

## IMPROVEMENT IN HEMMERS FOR SEWING-MACHINES.

Specification forming part of Letters Patent No. 125,033, dated March 26, 1872.

### SPECIFICATION.

Be it known that I, GEORGE E. DOLTON, of Monee, in Will county and State of Illinois, have invented a new and useful Hemmer for Sewing-Machines; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the annexed drawing making a part of this specification, in which—

Figure 1 is a side elevation; Fig. 2, a plan view on the top; Fig. 3, a perspective view of the gauge *c*; Fig. 4, a plan view on the bottom of the gauge *e*; Fig. 5, a perspective view of the foot-guide for the upper edge of the hem; and Fig. 6, a perspective view of the hem completed.

The use of my invention is to hem cloth of any thickness or make any desired width of hem, and is intended to be attached to any kind of a sewing-machine.

The peculiar construction of my invention is particularly shown in Fig. 1.

*A* is the plate of the sewing-machine, to which the hemmer is attached by means of the thumb-screw *m*. The device is constructed of metal, and consists of a plate, *a*, and two guides, *c* and *e*. The plate *a* is curved, as shown at *b w*, and finally bent to form the hemmer proper, which is curved at *i*, and terminates in the arm *o*, over which the cloth is turned in the proper form for a hem, as shown in Fig. 6, and at the dotted line *s s s*, Fig. 1. The arm *a*<sup>1</sup> is attached to the scroll at *x*, and *a a*<sup>1</sup> have their outer sides *a*<sup>2</sup> *a*<sup>2</sup> turned down and under, forming flanges in which moves the plates *c* and *e*. The width of the hem is determined by means of the two guides *c* and *e*, which are adjustable with reference to the scroll, and between these plates the cloth passes, as shown in Fig. 1 at *s s s*. If the hem is desired to be narrow the two guides *c* and *e* are to be moved to the right, which narrows

the fold in the cloth, and the contrary effect is produced by moving them to the left, the movement being indicated by the dotted lines *h* and *l*. The inner end of the guide *c* terminates in a curved inner end, *i*, Fig. 1, to hold the outer edge of the cloth in the proper place as it passes along. *p* is a thumb-catch on the guide *e*, by which to slide the same in and out. *r* is a reverse prolongation of the plate *a*, to support and strengthen the guide *e*.

After the hem has been properly turned and passed from the hemmer it becomes necessary to so guide the same as to cause the needle of the machine to enter the hem at the proper distance from its edge, which is done by means of the edge-stitcher *n*, Figs. 5 and 6, which is attached to the foot of the sewing-machine by means of a set-screw, as shown, or other suitable means, the hem part of the cloth passing under the lip or arm of the same, as shown in Fig. 6, the needle passing through the eye *t*, leaving the hem completed, as shown in said figure at *C*. The plates *a c* are slotted and confined by the single set-screw.

I am aware that an adjustable hemmer is shown in Letters Patent No. 26,207, dated November 22, 1859; such I do not claim. In my arrangement the parts *c* and *e* are adjustable in relation to the hemmer.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent is as follows, to wit:

The hemmer herein described, consisting of the flanged plate *a* with its curves *b w*, and hemming-scroll, the arm *a*<sup>1</sup>, and the adjustable guides *c* and *e*, and set-screw *m*, all constructed and arranged in the manner and for the purpose described.

GEORGE E. DOLTON.

Witnesses:

THOS. H. HUTCHINS,  
H. LOWE.