

(No Model.)

A. B. ROBERTS & C. H. FORBES.

TRIMMING ATTACHMENT FOR SEWING MACHINES.

No. 317,205.

Patented May 5, 1885.

Fig. 1.

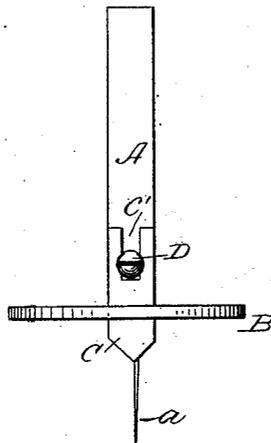


Fig. 2.

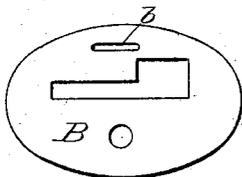


Fig. 4.

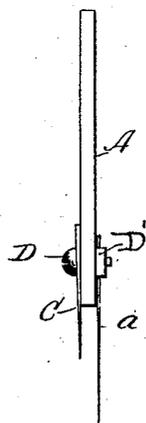
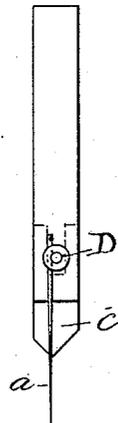


Fig. 3.



Witnesses.

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UNITED STATES PATENT OFFICE.

ALMON B. ROBERTS, OF THORNDIKE, AND CHARLES H. FORBES, OF
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TRIMMING ATTACHMENT FOR SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 317,205, dated May 5, 1885.

Application filed July 16, 1884. (No model.)

To all whom it may concern:

Be it known that we, ALMON B. ROBERTS and CHAS. H. FORBES, citizens of the United States, residing, respectively, at Thorndike and Brooks, in the county of Waldo and State of Maine, have invented certain new and useful Improvements in Trimming Attachments for Sewing-Machines, of which the following is a specification, reference being had therein to the accompanying drawings.

Our invention relates to trimming attachments for sewing-machines, and has for its object simple, efficient means whereby to cut the goods projected beyond the seam an even width.

To this end it consists in the novel construction, combination, and arrangement of the several parts, as will be described.

In the drawings, Figure 1 is an inner side view of our needle-bar in connection with the needle-plate. Fig. 2 is an inverted plan view of the needle-plate. Fig. 3 is a view of the outer side of the needle-bar, and Fig. 4 is an edge view of the bar.

The part A represents the needle-bar, which may be of ordinary construction, and have the needle *a* secured to it by being placed under the nut *D'* of the clamping-screw *D*, so that when the blade *C* is tightened up and secured in place the needle *a* will also be securely held, and when the blade is released to be adjusted for heavier or lighter material the needle will also be released and ready for adjustment. This bar in operation, as is well known, reciprocates vertically above the bed-plate of the machine, and the needle projects, when lowered, through an opening in the needle-plate *B*. This plate *B* also has a slot, *b*, fitted to receive the blade, presently described, and permit same to operate through it. The blade *C* is secured to the needle-bar alongside the needle, and has its end projected below the bar, as shown. We secure the blade in the manner shown—that is, by slotting it vertically at

C', and having a clamping-screw, *D*, turned into the needle-bar, and bearing on opposite sides of the slot. This is preferred, because by it the blade can be readily adjusted so as to project different distances beyond the needle-bar in order to suit it to different thicknesses of goods.

The operation will be understood from the drawings and above description. By our improvement the goods are cut an even distance from the seam as the latter is made, and the use of shears, &c., for trimming such edge is dispensed with. It will be noticed that the needle projects lower than the blade, so that the latter does not come into play until the needle has operated to form the stitch. This arrangement prevents the cutting from deranging the stitch-forming mechanism.

We are aware that cutting-blades have been secured to reciprocating needle-bars of sewing-machines, and that they have been made with long bodies to extend up into the bar and be adjusted to any height by a pinching-screw, and that they have been provided with a slot open at the top with clamping-screws to adjust and hold them, as desired; and we hereby disclaim such constructions when used alone.

What we do claim is—

The combination, with the needle-bar *A*, slotted blade *C'*, and needle *a*, the blade and needle being arranged on opposite sides of the bar, of the clamping-screw *D*, and nut *D'*, the head of the screw pressing upon the blade *C* in the slot *C'* to hold it to any height, and the nut *D'* bearing upon the needle *a*, whereby the blade and needle are released and tightened together, as set forth.

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

ALMON B. ROBERTS.
CHAS. H. FORBES.

Witnesses:

M. J. DOW,
ELIZABETH W. DOW.