S. ELMAN.

GARMENT TRIMMING MACHINE.

APPLICATION FILED AUG. 9, 1917.

1,338,291. **Patented Apr. 27, 1920.**

Fig. 1.

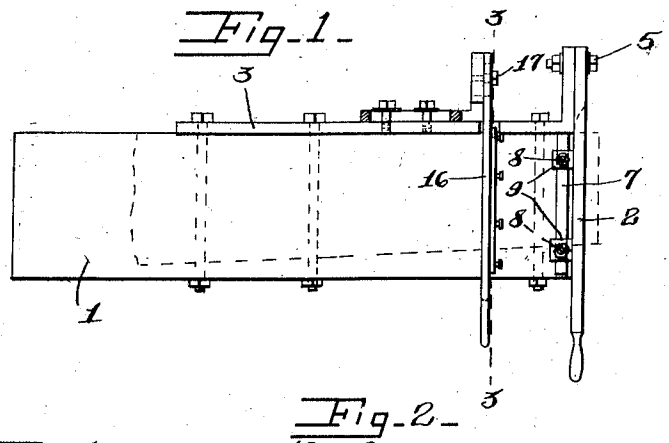


Fig. 2.

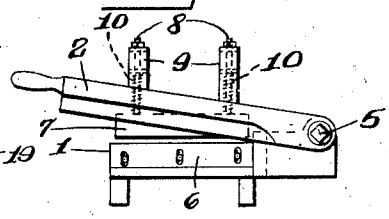


Fig. 3.

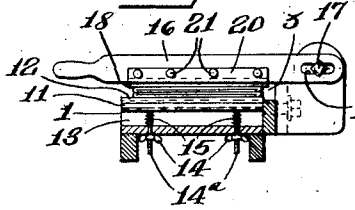


Fig. 4.

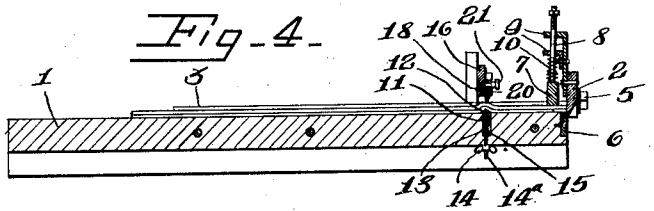
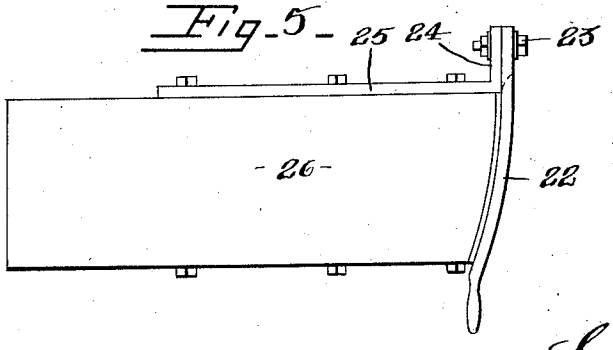


Fig. 5.



INVENTOR

Samuel Elman.

BY

Parsons & Bodell

ATTORNEYS

UNITED STATES PATENT OFFICE.

SAMUEL ELMAN, OF SYRACUSE, NEW YORK.

GARMENT-TRIMMING MACHINE.

1,338,291. Specification of Letters Patent. Patented Apr. 27, 1920.

Application filed August 9, 1917. Serial No. 185,289.

To all whom it may concern:

Be it known that I, SAMUEL ELMAN, a citizen of the United States, and a resident of Syracuse, in the county of Onondaga and State of New York, have invented a certain new and useful Garment-Trimming Machine, of which the following is a specification.

This invention relates to garment trimming machines, and has for its object a particularly simple and efficient machine for use in manufacturing clothing, etc., for trimming trousers legs and marking the cuffs thereon; and the invention consists in the novel features and in the combinations and constructions hereinafter set forth and claimed.

In describing this invention, reference is had to the accompanying drawings in which like characters designate corresponding parts in all the views.

Figure 1 is a plan view of a portion of a machine embodying my invention.

Fig. 2 is an end elevation looking to the left in Fig. 1.

Fig. 3 is a cross-sectional view on line 3—3 Fig. 1.

Fig. 4 is a lengthwise sectional view taken on Fig. 1.

Fig. 5 is a plan view of a modified form of trimming machine.

This garment trimming machine comprises a support as a table 1 upon which the garment (as trousers) is laid, a knife 2 movable across one end of the table or support 1, and marking means bearing a certain relation to the knife for making a transverse mark on the garment or the trousers-legs, indicating folds for cuffs.

The support 1 is formed with a gage 3 extending lengthwise of the support 1 along the rear side thereof against which the edges of the pressed trousers legs are placed. The knife 2 is here shown as pivoted at 5 at one end of the support 1 and as movable downwardly across one end of the support, which end is provided with a shear plate 6.

Means is also usually provided for holding the garment during the cutting operation, and as here shown, this means is carried by the knife and consists of a pressure foot 7 carried by the knife and arranged to engage the garment in advance of the knife and disengage from the garment after the knife has moved away from the garment.

In the illustrated form of my invention the pressure foot 7 is yieldingly supported by the knife. Preferably the pressure foot 7 is of sufficient width to extend the full width of the garment adjacent the cutting line and is provided with a stem or stems 8 slidable in guides formed in brackets 9 carried by the knife. Usually a spring or springs 10 are inserted between the foot and the brackets, the springs encircling the stems 8. The springs compress while the knife is being brought toward the garment and also hold the foot against the garment when the knife is moving away from the garment.

The marking means includes a member extending transversely of the support 1 to engage the lower side of the garment or trousers leg and a member alined with the former member and movable into engagement with the upper face of the trousers leg, the markers being arranged a certain distance from the knife or the shearing edge of the support 1.

11 designates the marker extending transversely of the support to engage the lower sides of the trousers legs, this marker 11 consisting of a transversely extending strip carrying a strip of tailor's chalk 12. The marker 11 is arranged in a guide or channel 13 in the table and is adjustable vertically therein to elevate or lower the chalk relatively to the face of the table, by suitable means, as wing nuts 14, threading on threaded stems 14^a extending from the marker and extending through the lower face of the table, the marker being yieldingly supported by springs 15 encircling the stems 14^a and interposed between the marker and the bottom of the channel 13.

16 designates the marker movable into engagement with the upper face of the trousers legs, this marker being a lever pivoted at 17 at one end and movable on its pivot toward and from the support 1, the lever 16 carrying a strip 18 of tailor's chalk which is alined with the chalk 12 of the marker 11.

The lever 16 is also movable endwise crosswise of its axis in order to draw the strip of chalk 18 and hence cause the same to mark on the trousers leg and also to press the trousers legs on the lower strip 12 and hence cause the lower strip to mark on the trousers leg, the lever 16 being here shown as provided with a lengthwise slot 19 for receiving the pivot 17. The strip of chalk 18 is clamped into position between a holder 20

and the lever 16, the holder being operated by means of clamping screws 21.

In Fig. 5, is shown a modified form of cutter for cutting round edges, in which a curved knife 22 is pivoted at 23 to the support or rearwardly extending arm 24 on the gage 25 along the rear edge of the support 26.

In operation, the trousers legs are laid on the support and trimmed off at their edges by means of the knife 2 or 22. The lever 16 is operated to bring the strip of chalk 18 onto the upper face of the trousers leg and then the lever 16 is pushed back and forth drawing the chalk 18 and thus causing a white line to be drawn on the upper and lower surfaces of the trousers.

This device is particularly advantageous in that trousers can be trimmed and cuff marks indicated in a minimum time and at a great saving of labor.

What I claim is:

1. The combination of a support for garment, a marker arranged transversely of the support in position to be located beneath the garment, and a second marker carried by the support and movable toward and from the support and being in line with the former marker, the latter marker being also movable transversely of the support, substantially as and for the purpose set forth.

2. In a machine for trimming trousers legs, the combination of a support upon which the trousers are laid, a gage extending lengthwise of one edge of the support with which the edges of the trousers legs are engaged, a knife extending crosswise of one end of the support and movable toward and from the support, a marker extending crosswise of the support in a direction parallel to the knife and spaced apart from the knife, and a pressure foot operable with the knife in advance of the same to engage the trousers legs and hold the same from movement relatively to the marker while the ends thereof are being cut with the knife, substantially as and for the purpose described.

In testimony whereof I have hereunto signed my name, at Syracuse, in the county of Onondaga, and State of New York, this 25th day of July, 1917.

SAMUEL ELMAN.