

2 Sheets—Sheet 1.

TUCK MARKING ATTACHMENT FOR SEWING MACHINES.

Patented Oct. 19, 1897.

Inventor  
Edwin J. T. 1007  
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(No Model.)

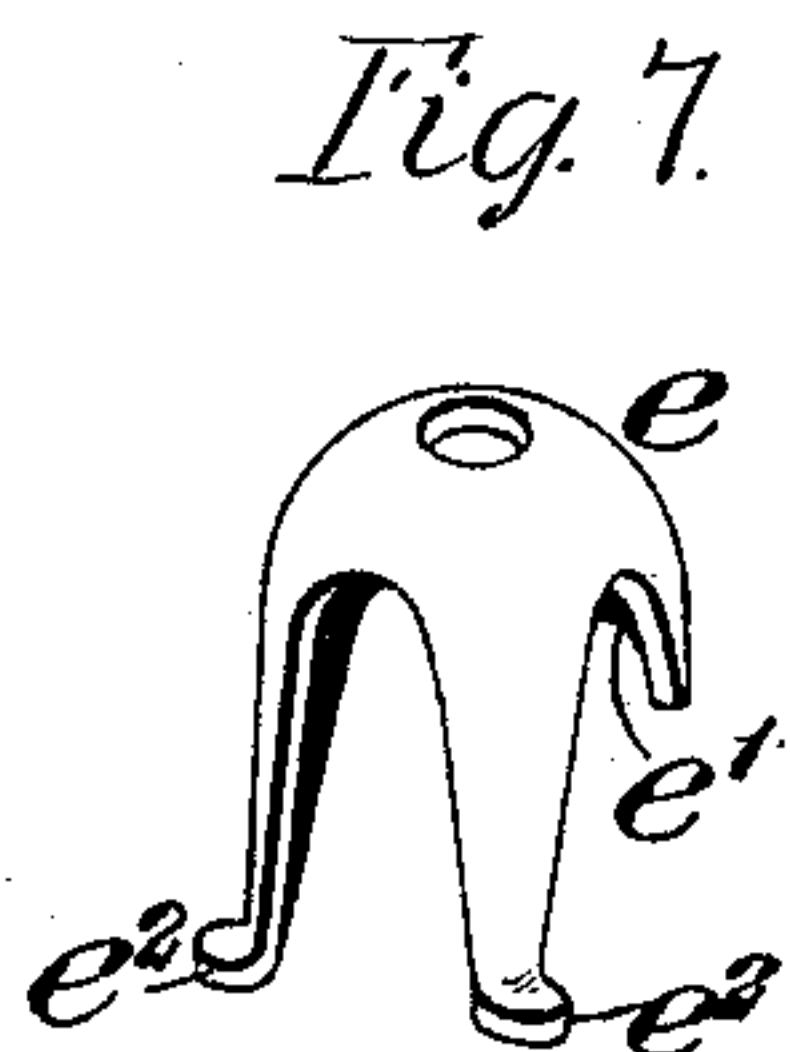
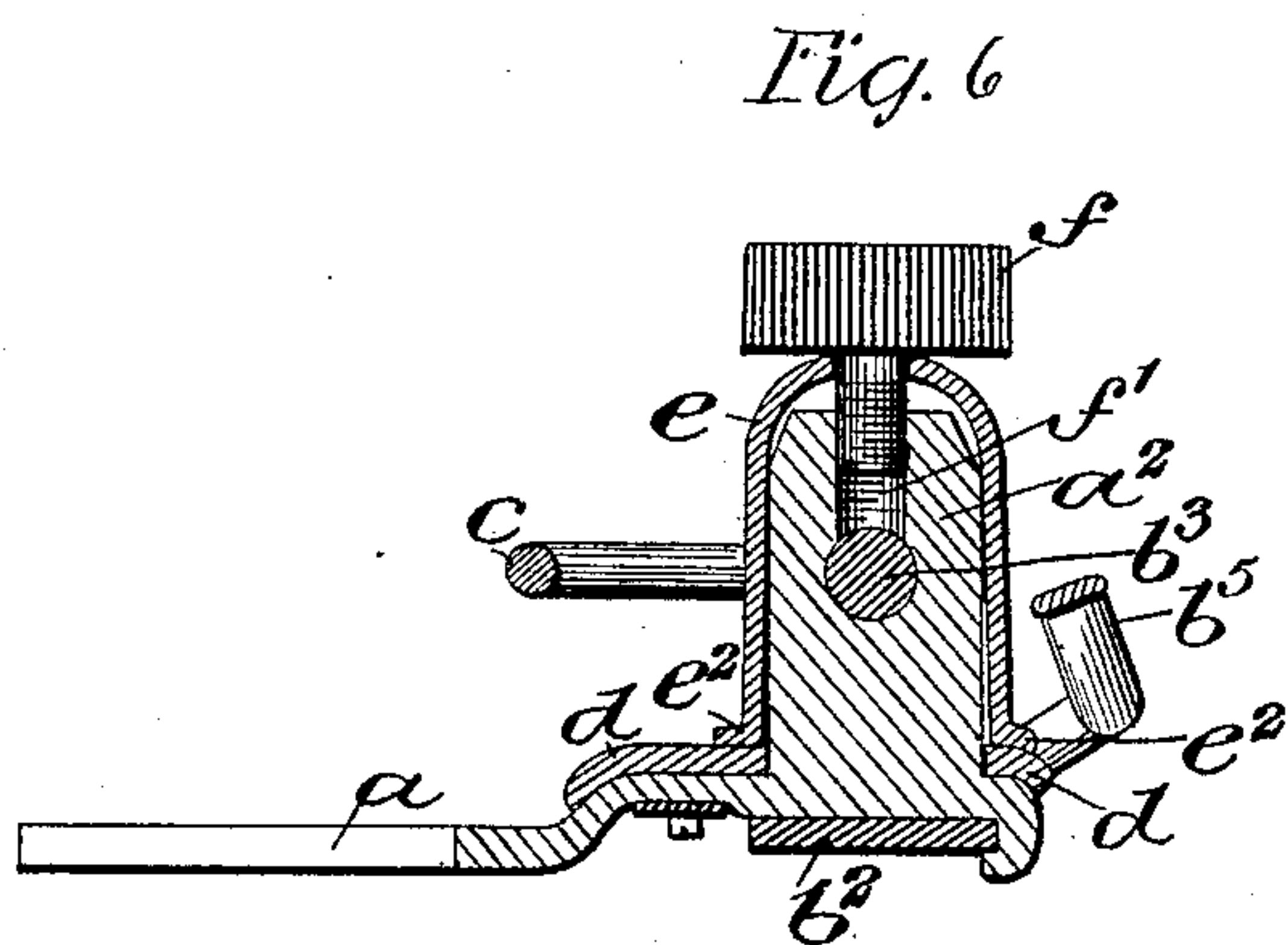
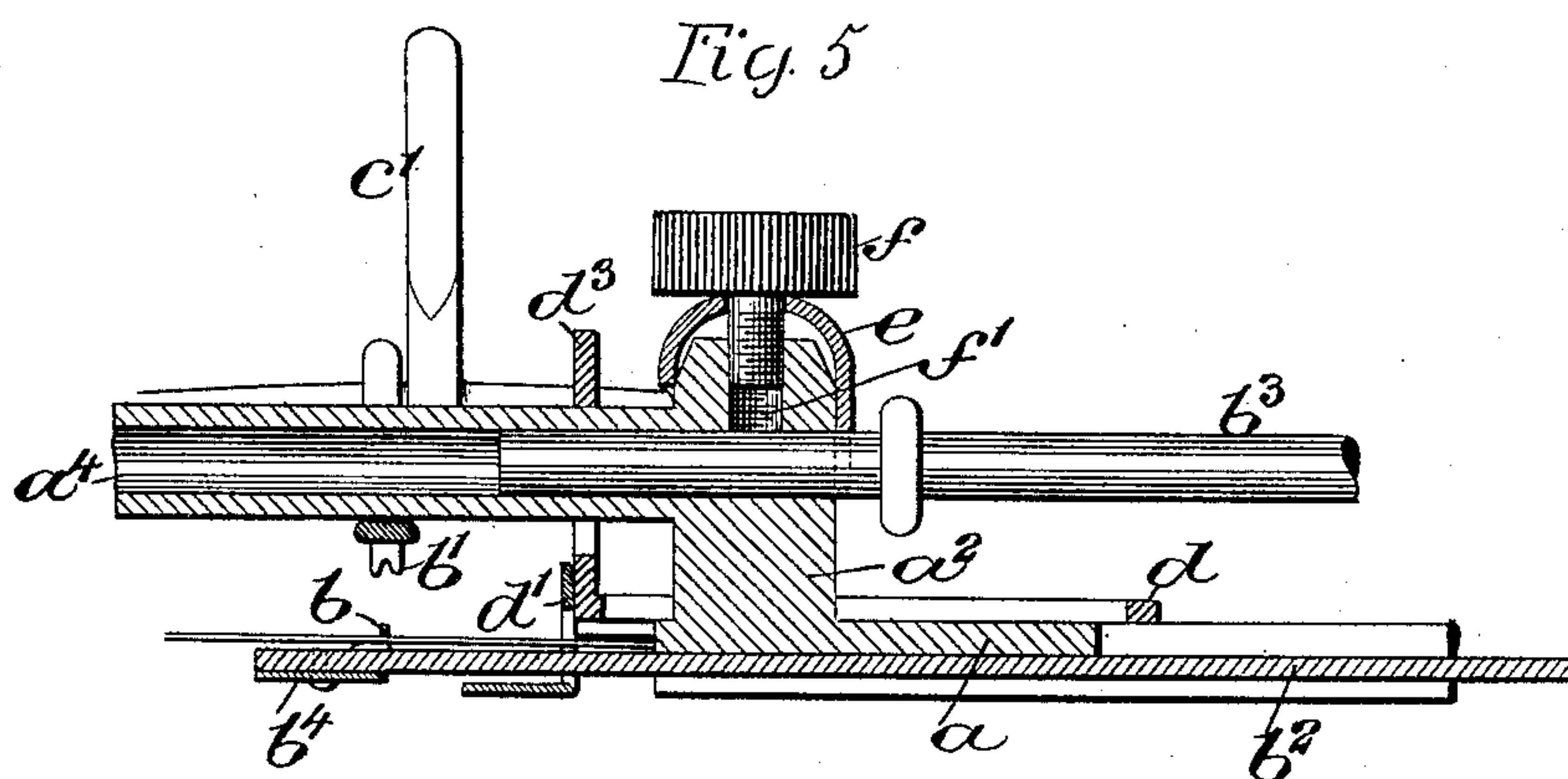
2 Sheets—Sheet 2.

E. J. TOOF.

TUCK MARKING ATTACHMENT FOR SEWING MACHINES.

No. 592,127.

Patented Oct. 19, 1897.



Witnesses:  
Chas. B. Shumway  
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# UNITED STATES PATENT OFFICE.

EDWIN J. TOOF, OF NEW HAVEN, CONNECTICUT.

## TUCK-MARKING ATTACHMENT FOR SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 592,127, dated October 19, 1897.

Application filed November 9, 1895. Serial No. 568,441. (No model.)

*To all whom it may concern:*

Be it known that I, EDWIN J. TOOF, a citizen of the United States, and a resident of the city and county of New Haven, State of Connecticut, have invented new and useful Improvements in Tuck-Marking Attachments for Sewing-Machines, of which the following description, taken in connection with the drawings herewith accompanying, is a specification.

My invention relates to tuck-markers of the class employing a marking device and an edge-guide which are supported to be horizontally adjustable in their relation to each other, and relates particularly to the means for supporting and securing in an adjustable stationary position such movable edge-guide and marking device, the object of my invention being to provide a cheap, simple, and effective means for such purpose, which object I secure by the means forming my invention, as hereinafter set forth in detail, and pointed out in the claims.

Referring to the drawings, Figure 1 represents a perspective view of a tuck-marker embodying my invention; Fig. 2, a plan view of the same with the marking device in a different position; Fig. 3, an edge view; Fig. 4, an end view looking from the left in Fig. 3; and Figs. 5, 6, and 7, detail views, to be hereinafter referred to.

To explain in detail,  $a$  represents the main supporting-plate by which the several parts forming the attachment are supported, and which, in the present instance shown, is provided with an opening  $a'$  therein adapted for the reception of a screw by which the attachment may be detachably secured in operative position upon the cloth-plate of the machine. The plate  $a$  is also provided with a vertical post or stud  $a^2$  thereon, which serves both as a support and guide for certain of the parts, as will be described.

The marking device, consisting of the marking edge  $b$  and the movable marker-arm  $b'$ , is carried by a sliding plate  $b^2$ , which latter is supported to slide on the under side of the plate  $a$  and is provided with an arm or extension  $b^3$ , which extends parallel with and above the same and through a counterpart-opening  $a^3$  in the post  $a^2$ , as more clearly shown in Figs. 5 and 6, which views represent

a longitudinal and transverse section, respectively, taken through the post  $a^2$  and showing the several adjacent parts. The said extension  $b^3$ , passing through the post  $a^2$  and into a tubular arm  $a^4$ , which projects one side of the latter, as shown in Fig. 5, serves to assist in supporting and guiding the plate  $b^2$  in its position beneath the plate  $a$ , in which position the said plate  $b^2$  is also held by one edge of the plate  $a$  being formed to embrace one side of the same, as clearly shown in Fig. 6.

In the present instance illustrated, the marking edge  $b$  of the marking device is formed on a plate  $b^4$ , which is secured at one end of the plate  $b^2$ , and the marker-arm  $b'$  is formed at one end of a spring-arm  $b^5$ , which latter is secured at its opposite end  $b^6$  upon the plate  $b^2$ , as shown.

The marker-arm  $b'$ , to be operated, is connected with a swinging frame  $c$ , which, as shown, is formed of wire having one end extending loosely into the outer end of the tubular arm  $a^4$  and its opposite end loosely embracing the sliding arm  $b^3$ , as clearly shown in Fig. 2. This frame is provided with an arm  $c'$ , which is adapted for engagement with the needle-bar of the sewing-machine, whereby the marker-arm may be operated in the usual manner.

$d$  represents a movable plate to which the usual edge-guide (represented at  $d'$ ) is attached. This movable plate is supported upon the supporting-plate  $a$ , and is provided with a longitudinal slot or opening  $d^2$  therein to receive the post  $a^2$  and with an upturned flange  $d^3$ , having an opening therein to receive the tubular arm  $a^4$ , such connection of parts serving to guide and retain the said movable plate with the attached guide in its proper position. The said edge-guide  $d'$  and the marking device being thus supported to be horizontally adjustable in their relation to each other are held stationary in any desired position by means of a locking device consisting of a cap-piece  $e$ , (shown in detail in Fig. 7), which is formed to fit over the post  $a^2$  and engage at its lower edge thereof with the extension  $b^3$  of the marking-device-supporting plate  $b^2$ , as more clearly shown in Figs. 3 and 5, and with the movable guide-plate  $d$  at the opposite sides of the opening



therein, as more clearly shown in Fig. 6. The cap  $d$ , which does not contact with the top of the post  $a^2$ , is adapted to be acted upon to bear against said parts  $b^3$  and  $d$ , as described, to hold and lock the same in a clamped stationary position by means of an adjusting-screw  $f$ , having its head in engagement with the top of said cap-piece and its threaded stem pass through an opening in the latter and into a threaded opening  $f'$  in the post  $a^2$ , as clearly shown in Figs. 5 and 6. It will thus be understood that by turning the screw  $f$  in the proper direction to relieve its pressure upon the cap  $e$ , and consequently the pressure of the latter upon the parts  $b^3$  and  $d$  of the marking device and edge-guide, respectively, the said parts will be free to slide in their supports and allow the marking device and edge-guide to be adjusted to a desired position, after which they may be locked in such position by simply turning the screw  $f$  in a direction to bear upon the cap  $e$  and force the latter in locking position with its engaging parts.

The cap  $e$ , as herein illustrated, is formed with a notch  $e'$  in its lower edge at a point where it engages with the part  $b^3$  to conform to the latter, and with two arms  $e^2$   $e^2$  to engage with the plate  $d$  at opposite sides of the opening therein, as shown.

Having thus set forth the construction of a device embodying my invention, it will be obvious that various changes and modifications may be made in the same without departing from the spirit of my invention, for

What I claim, and desire to secure by Letters Patent of the United States, is—

1. In a tuck-marking attachment, the combination of the main supporting-frame provided with the vertical post  $a^2$  having a lateral tubular arm  $a^4$ , a sliding frame having an arm extending through an opening in said post and into the said tubular arm  $a^4$  thereon, a second sliding frame provided with an elongated slot therein to receive the post  $a^2$ , and having a slotted arm loosely embracing the said tubular arm  $a^4$  on the latter, the cap-piece  $e$  fitted upon the post  $a^2$  with its lower edge engaging with the said sliding frames,

an adjusting-screw engaging with said cap  $e$ , and a marking device supported by one of said sliding frames and an edge-guide supported by the other, substantially as described and for the purpose set forth.

2. In a tuck-marking attachment, the combination of the main supporting-frame provided with the vertical post  $a^2$  having a transverse opening therein and a lateral tubular arm  $a^4$ , a sliding frame having the arm  $b^3$  extending through said opening in the post  $a^2$  and into the tubular arm thereon, a second sliding frame provided with an elongated slot therein to receive the post  $a^2$ , and having a slotted arm loosely embracing the tubular arm  $a^4$ , the cap  $e$  fitted upon the post  $a^2$  with its lower edge engaging with the said sliding frames, an adjusting-screw engaging with said cap  $e$ , the marker-operating lever  $c$  journaled at one end in the tubular arm  $a^4$  and at its opposite end upon the arm  $b^3$ , and a marking device supported by one of said sliding frames and an edge-guide supported by the other, substantially as described and for the purpose set forth.

3. In a tuck-marking attachment, the combination of the main supporting-frame  $a$  provided with the vertical post  $a^2$  having a transverse opening therein, a sliding frame supported by the frame  $a$  and provided with an arm  $b^3$  extending loosely through the said opening in the post  $a^2$ , a second frame supported to slide upon the frame  $a$  and provided with an elongated slot therein to receive the post  $a^2$ , the cap  $e$  fitted upon the end of the post  $a^2$  with its lower edge engaging with the arm  $b^3$  of the first frame and with the second frame at the opposite sides of the elongated slot therein, an adjusting-screw for engaging with said cap  $e$ , and a marking device supported by one of said sliding frames and an edge-guide supported by the other, substantially as described and for the purpose set forth.

EDWIN J. TOOF.

Witnesses:

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