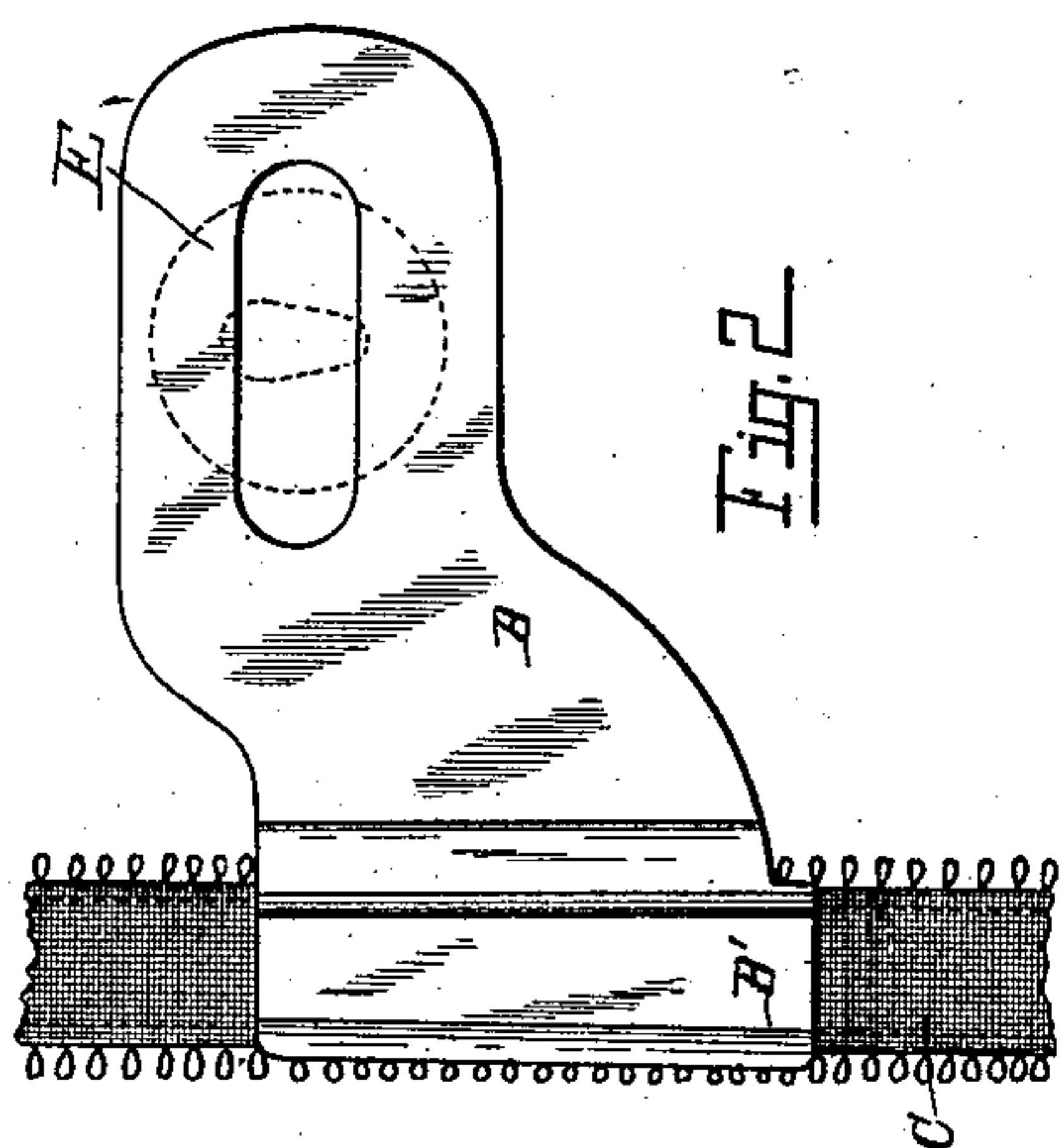
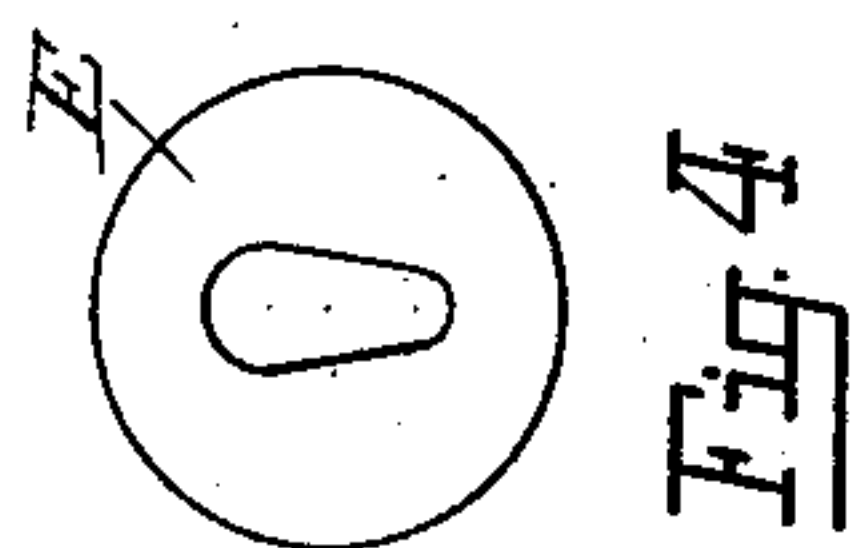
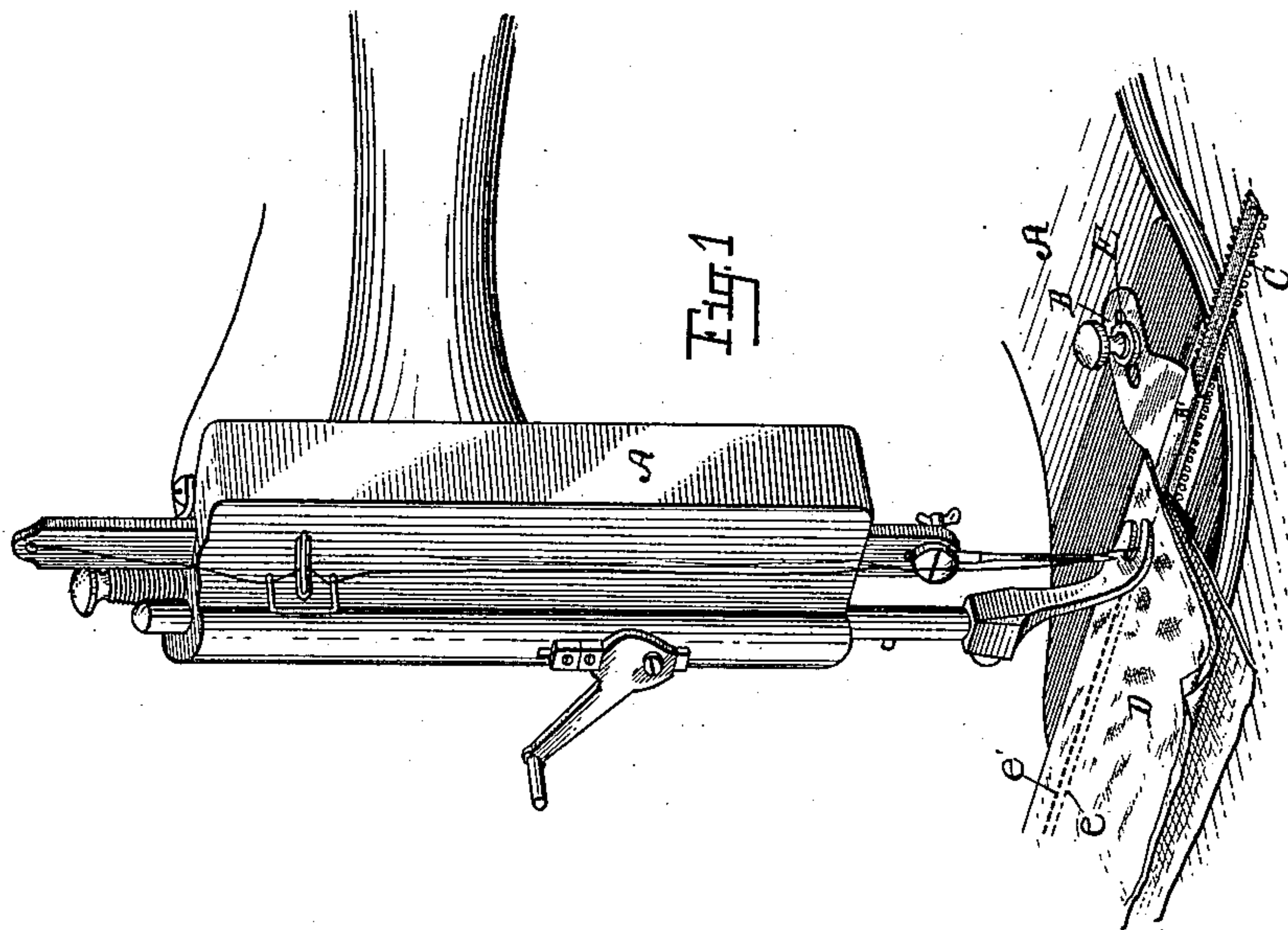


(No Model.)

E. K. WARREN.  
SEWING MACHINE ATTACHMENT.

No. 547,099.

Patented Oct. 1, 1895.



Witnesses:  
*Walter S. Wood*  
*Marian Longyear*

Inventor,  
*Edward K. Warren*  
By *Fred L. Chappell*  
Att'y.



# UNITED STATES PATENT OFFICE.

EDWARD K. WARREN, OF THREE OAKS, MICHIGAN.

## SEWING-MACHINE ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 547,099, dated October 1, 1895.

Application filed January 15, 1895. Serial No. 534,967. (No model.)

*To all whom it may concern:*

Be it known that I, EDWARD K. WARREN, a citizen of the United States, residing at the village of Three Oaks, in the county of Berrien and State of Michigan, have invented certain new and useful Improvements in Sewing-Machine Attachments, of which the following is a specification.

My invention relates to an improved attachment for sewing-machines for stitching stays to garments, more especially to the seams of garments; and it consists in the improvements enumerated in a device I have had in use for a long time.

The objects of my invention are to provide an attachment which shall be simple and convenient for the purpose; that can be attached quickly and conveniently to any machine; which will perfectly hold the stay, so that the operative is free to apply the seam to the stay or the stay to the seam in any desired manner, putting stress upon the cloth when needed or leaving it full when so desired to assist the stay in giving the proper conformation to the seam.

A further object is to provide such an attachment which shall allow the stay to pass readily, yet hold it securely, to permit free operation by the seamstress of the machine and manipulation of the cloth. I accomplish these objects of my invention by the devices shown in the accompanying drawings, in which—

Figure 1 represents a perspective view of a portion of the machine with my invention in place and in use. Fig. 2 represents a top plan view of the attachment removed from the machine with a stay in place. Fig. 3 is an end elevation of the device itself, showing the formation of the guide B'. Fig. 4 shows the washer which is adapted to form a universal attachment of my device to any sewing-machine.

Similar letters of reference refer to similar parts throughout the several views.

In the drawings, A represents the sewing-machine head.

A' represents the base of the same.

B represents the plate portion of my attachment, which contains a slot for attachment to the sewing-machine. The guideway

B' for the reception of the garment stay is bent and formed on the edge of the plate. It will be noted that this guideway B' is constructed in such a manner that the upwardly-bent guide portion engages the main part of the stay and affords free passage for the thin tape edges of the same to pass freely without crowding, which will be readily seen by inspection of Fig. 3. Toward the plate side are two shoulders or strips bent in the metal. The outer edge is a little raised, as will be readily seen when compared with the straight dotted line below. The front portion of the guideway for my improved attachment is slightly enlarged to make it easy to insert the stay, but is not so much enlarged as to interfere with properly guiding the same, so that when the stay is inserted it is held firmly and will be fed along by the feed of the sewing-machine.

In use the attachment is attached to the base of the sewing-machine by use of the sewing-machine screw for the purpose. I provide a specially-constructed washer E to make the device fit perfectly in the sewing-machine. The washer is constructed with a keyhole-slot which will accommodate a large-sized screw or a smaller-sized screw, and the washer extends out from the screw on either side and engages the plate B of the attachment to each side of the slot in the plate, the said slot being made large and elongated to permit of adjustment back and forth and sidewise, so that the guideway B' can be located properly to receive the tape and carry it squarely under the needle.

It will be noted that in Fig. 1 the device is shown in operation, the cloth being nearly through the machine. It will be necessary for one flap of the seam to be turned out flat. The stay is put in the guideway and the operator manipulates the material above to properly guide it over the stay and put proper tension upon the material, either putting it on slack or loose, as is required to bring out the proper formation, the guideway B' of the attachment, along with the feed, holding the same perfectly, so that this is accomplished with ease and dispatch. In that part of the drawings, D represents the material, e the row of stitches by which the seam is joined,

and *e'* the row of stitches attaching the stay, which is preferably through the middle of the stay.

5 Having thus described my improved sewing-machine attachment, I desire to state that it can be considerably varied without departing from my invention. For instance, it will operate very well if the front of the guideway *B'* is not larger than the rear, and, while my  
10 device for attaching the same possesses great merit, each attachment could be specially made for attaching to each particular variety of sewing-machine.

15 Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

A guiding attachment for sewing machines for sewing dress stays to the seams of gar-

ments, consisting of a base plate having means by which it may be attached to the work-plate 20 of a sewing machine, said base plate having a raised portion forming a guide for the thin edge of the stay and having immediately contiguous thereto a second raised portion forming a guide for the thick central portion of 25 the stay and the exterior edge of which is raised above the plane of the base plate so as to ride on the opposite thin edge of the stay.

In witness whereof I have hereunto set my hand and seal in the presence of two wit- 30 nesses.

EDWARD K. WARREN. [L. S.]

Witnesses:

WM. C. HALL,  
J. H. AMES.