

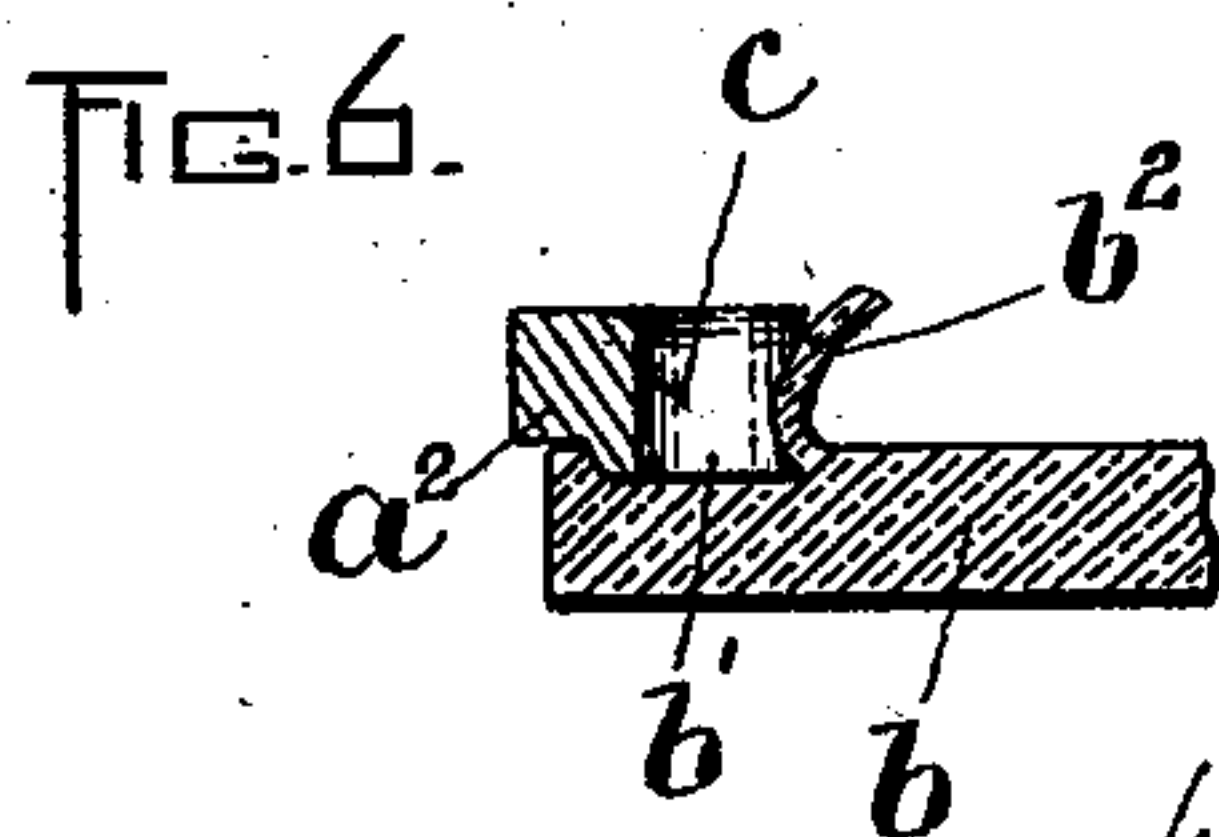
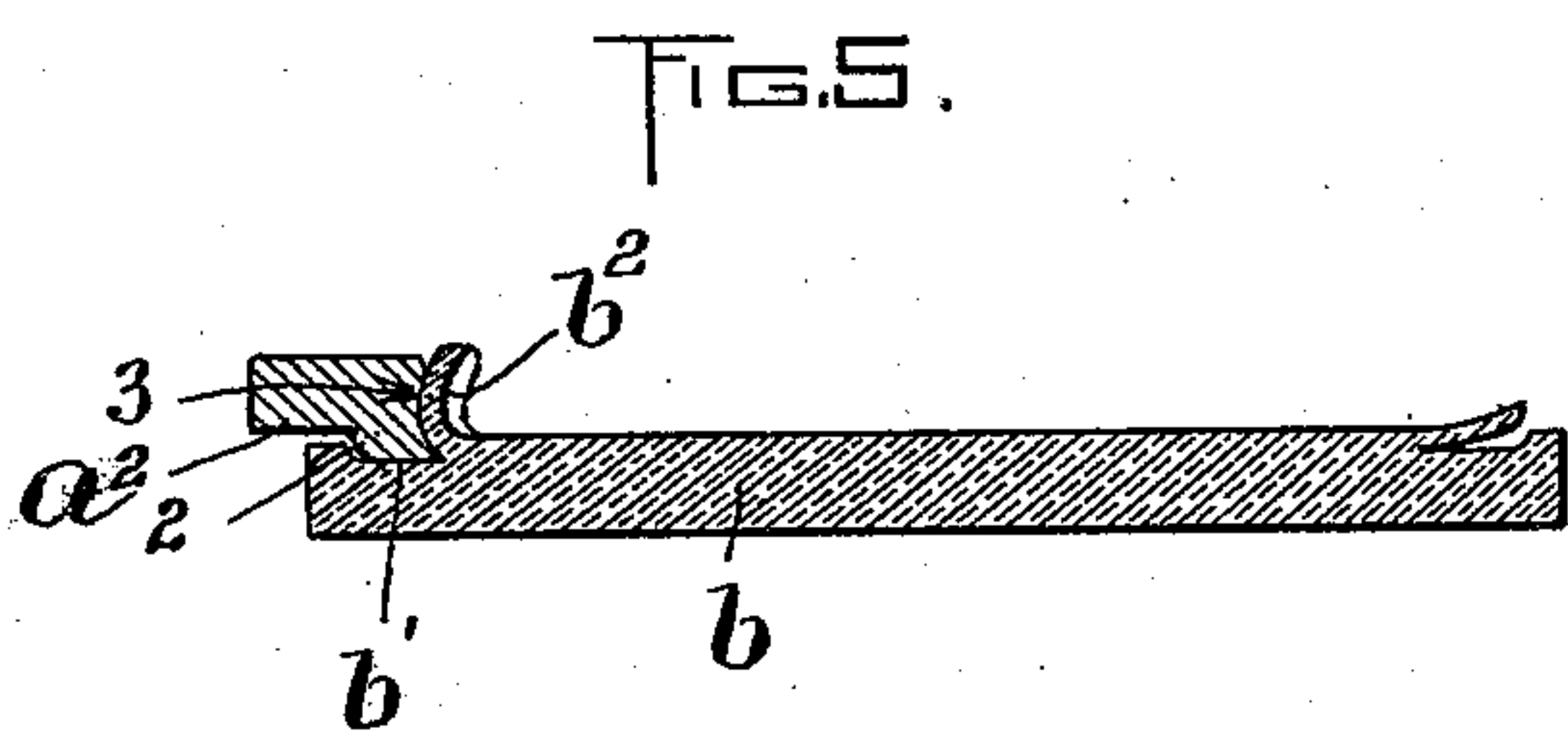
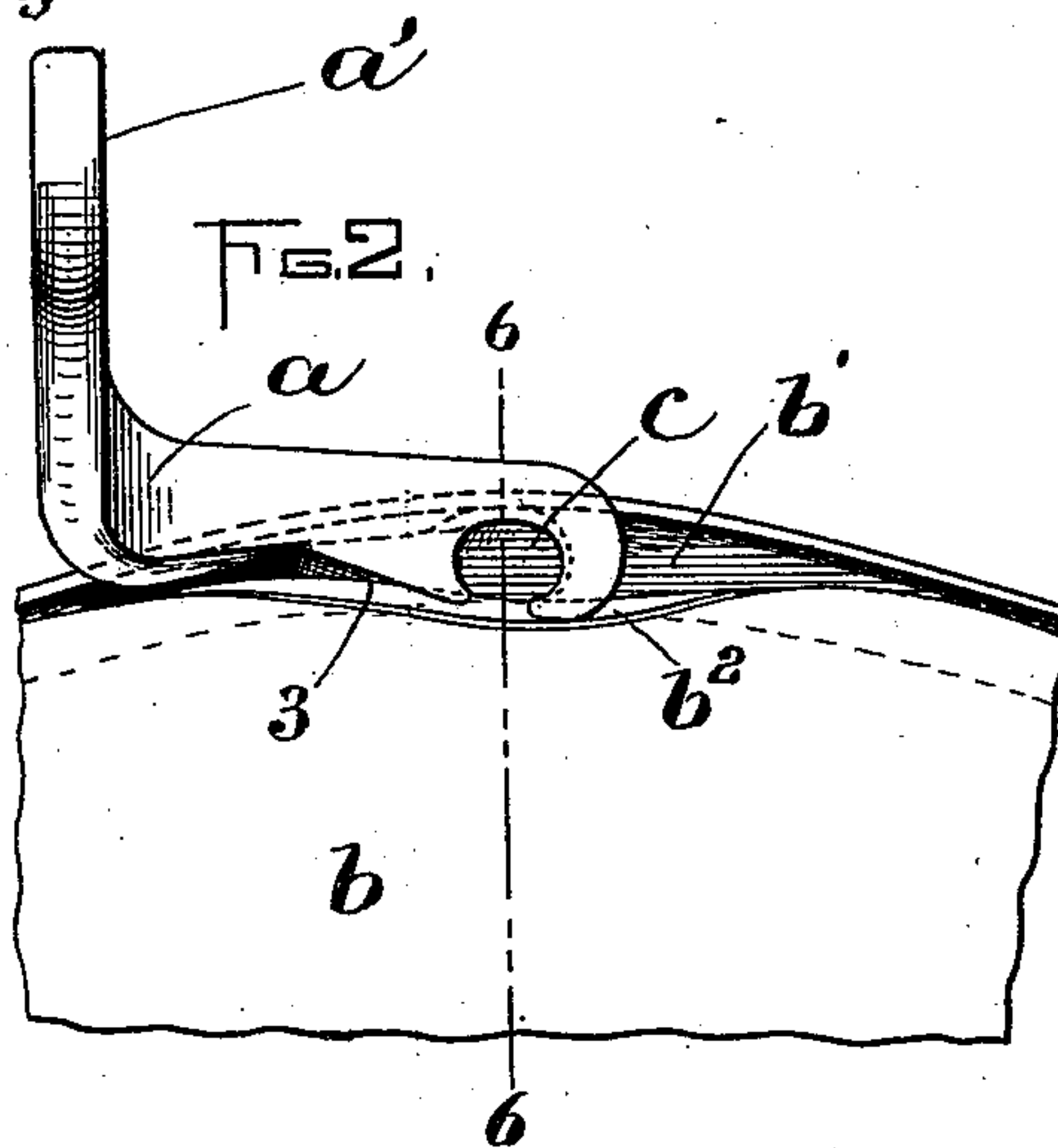
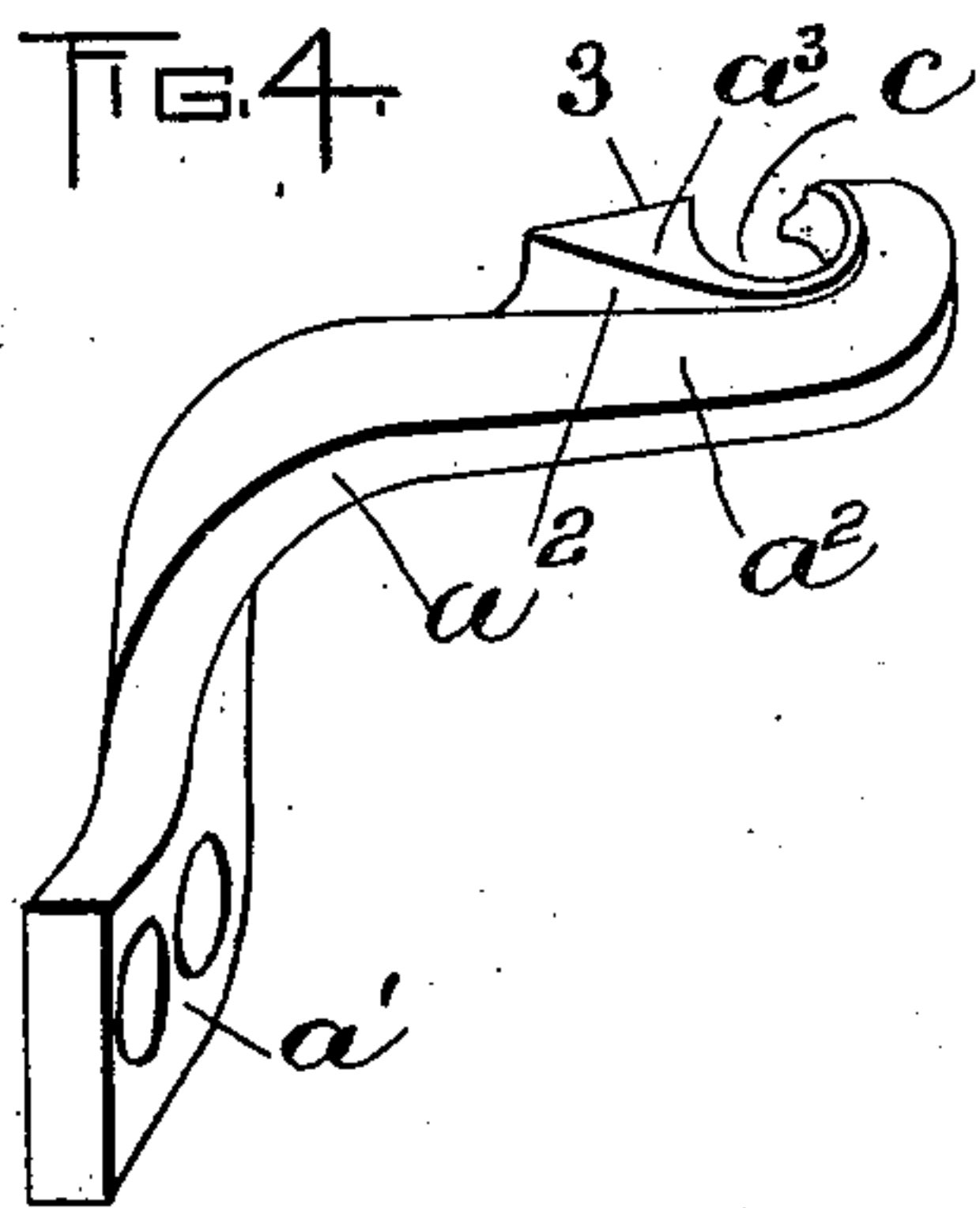
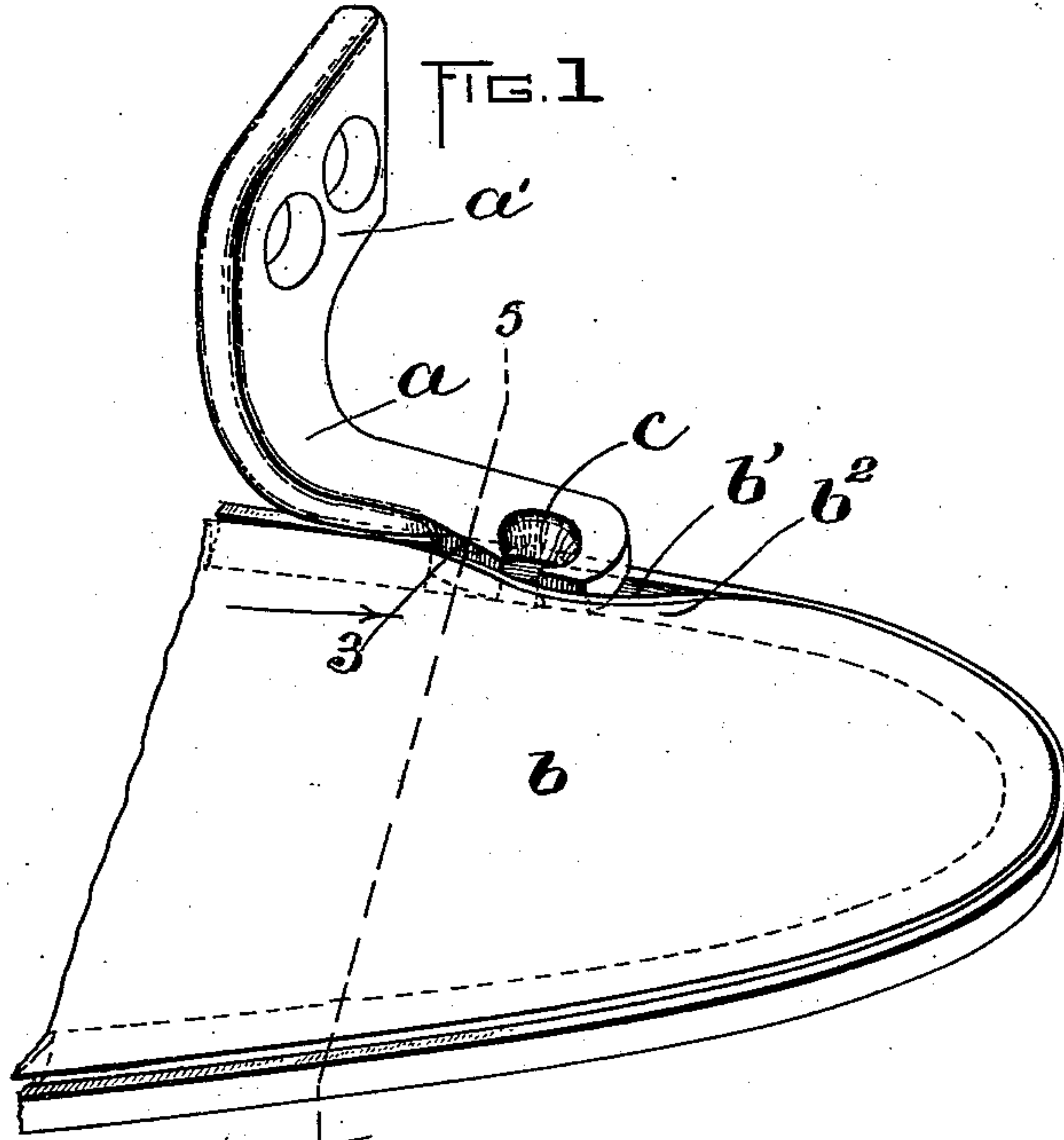
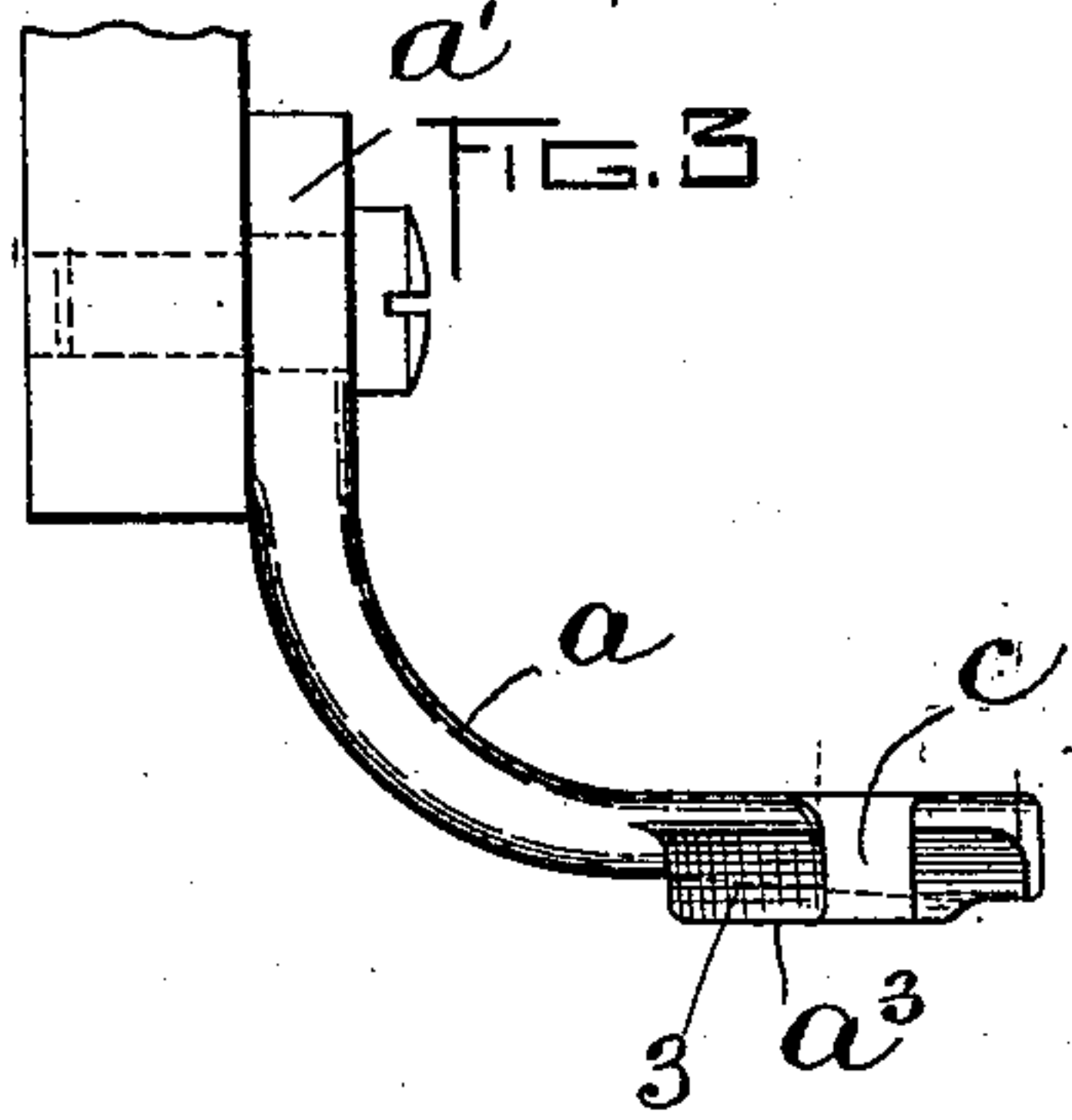
(No Model.)

J. H. POOLE.

CHANNEL OPENING GUIDE FOR SEWING MACHINES.

No. 549,393.

Patented Nov. 5, 1895.



WITNESSES:

A. J. Harrison
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INVENTOR:

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UNITED STATES PATENT OFFICE.

JOHN H. POOLE, OF RANDOLPH, MASSACHUSETTS, ASSIGNOR OF ONE-HALF
TO CHARLES PRESCOTT, OF SAME PLACE.

CHANNEL-OPENING GUIDE FOR SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 549,393, dated November 5, 1895.

Application filed August 10, 1895. Serial No. 558,816. (No model.)

To all whom it may concern:

Be it known that I, JOHN H. POOLE, of Randolph, in the county of Norfolk and State of Massachusetts, have invented certain new and useful Improvements in Work Supports or Guides for Boot and Shoe Sole Sewing Machines, of which the following is a specification.

This invention relates to the work rest or support used in boot and shoe sole sewing machines, and particularly machines for sewing channeled outer soles to the welts of welted boots and shoes, said rest being constructed to enter the stitch-receiving channel in the outer sole and to properly guide the work during the operation of stitching the sole to the welt.

The invention has for its object to provide an improved work rest or guide adapted to enter the channel, raise the channel-lip or flap, and hold it out of the path of the needle.

To these ends the invention consists in the improvements which I will now proceed to describe and claim.

Of the accompanying drawings, forming a part of this specification, Figure 1 represents a perspective view of my improved work-guide engaged with a sole. Fig. 2 represents a top view of the same. Fig. 3 represents an edge view. Fig. 4 represents a perspective view in a different position. Fig. 5 represents a section on line 5 5, Figs. 1 and 2. Fig. 6 represents a section on line 6 6, Fig. 2.

The same letters and figures of reference indicate the same parts in all the figures.

In carrying out my invention I construct a work-guiding arm *a*, having a shank *a'*, adapted for attachment to a suitable part of a sole-sewing machine, and a work-supporting face *a''*, which is in position to bear on the outer sole *b* outside of the channel *b'* therein. From said face projects a wedge-shaped plow *a'''*, the base or wider portion of which is near the outer end of the arm, its beak or apex extending away from said outer end. The plow projects from the face *a''* sufficiently to enable it to enter the channel *b'* and bear against the bottom thereof, the width of the base of the plow being such that

it extends across the channel, as shown in Figs. 2 and 6, one edge 2 of the plow being in contact with or near the outer edge of the channel, while the other edge 3 bears against the inner surface of the channel-lip *b''*. The edge 3 of the plow serves to raise the channel-lip when the sole is moved in the direction indicated by the arrow, the lip being held raised at substantially a right angle with the sole by the base of the plow. A recess *c* is formed in the arm *a*, said recess extending through the base or wider end of the plow and having a mouth formed in the edge 3. The said recess is of sufficient size to permit the awl and needle of the machine to move freely through the arm, and its mouth is preferably contracted to prevent the channel-lip from entering the recess.

It will be seen that the plow containing the needle-receiving recess and constructed to easily and gradually raise the channel-lip and hold it out of the said recess enables the work to be stitched without liability of the needle encountering or passing through the channel-lip. It will also be seen that the channel is raised so naturally and gradually by the plow that it does not require to be hammered back against the adjoining surface of the sole at any point, but is raised from the channel wholly by the plow and therefore may be easily replaced in the channel.

I claim—

A channel-opener for boot and shoe sewing-machines, comprising an arm or rest having a sole-supporting face, a wedge-shaped plow projecting from said face, and a needle-receiving recess extending through the arm and through the rear or wider end of the plow, said recess having a mouth extending through one edge of the plow.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, this 7th day of August, A. D. 1895.

JOHN H. POOLE.

Witnesses:

CHARLES W. DRAKE,
WALTER M. HOWARD.