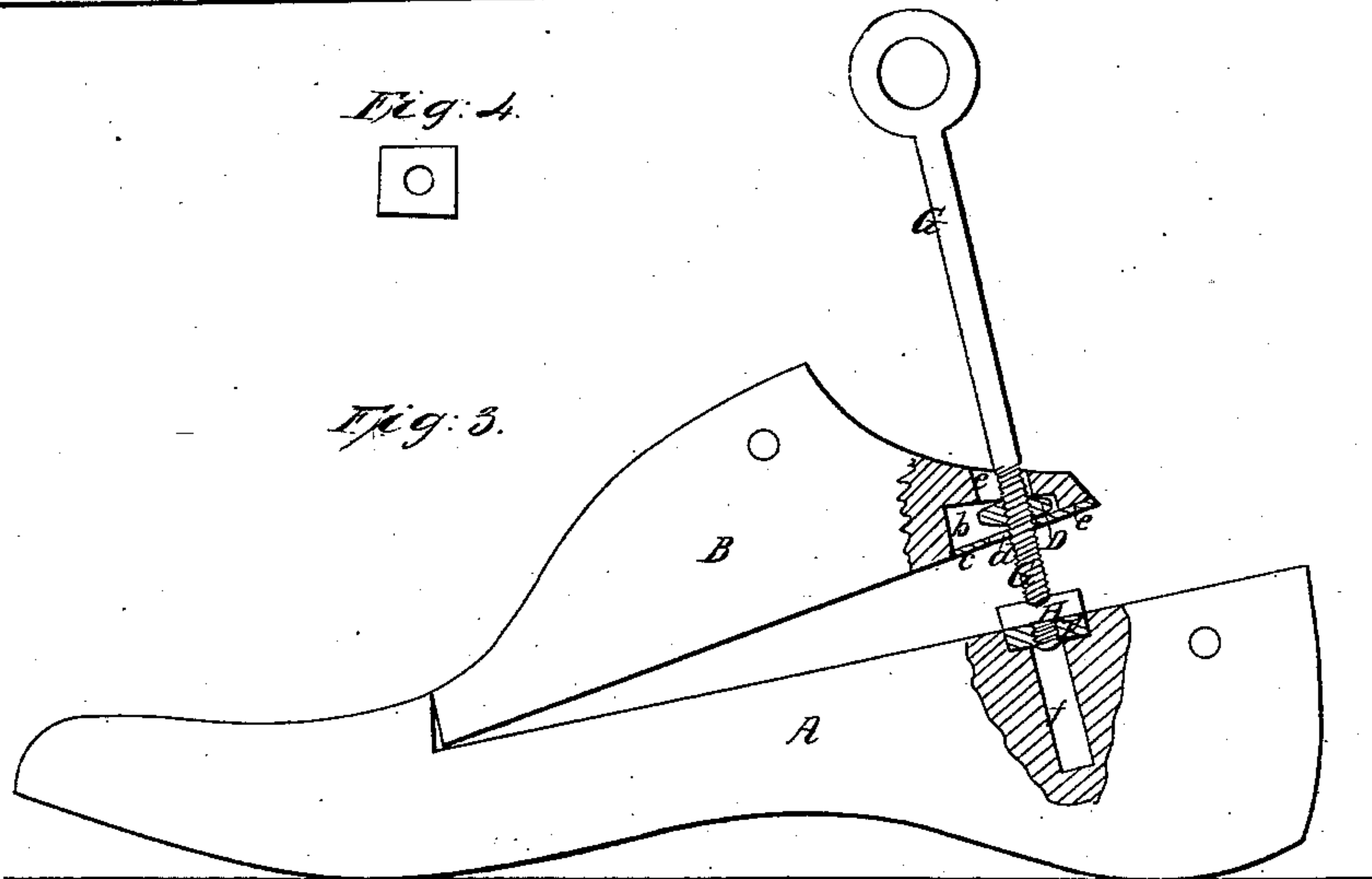
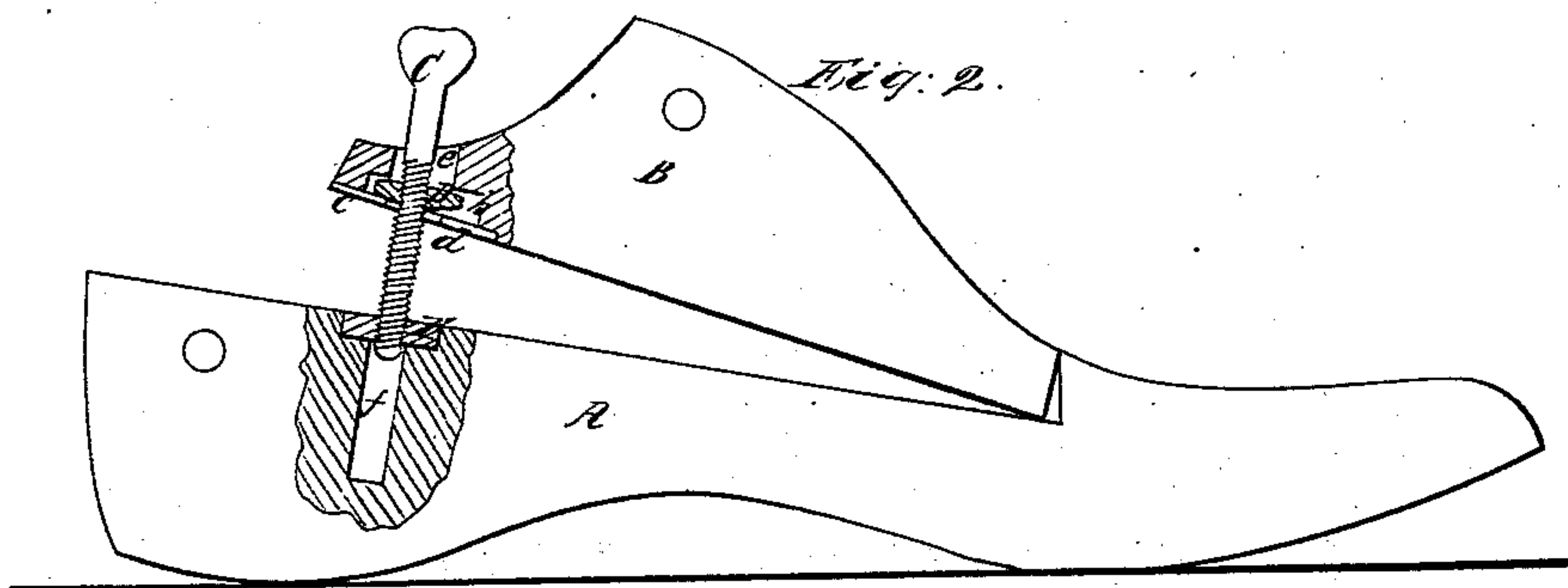
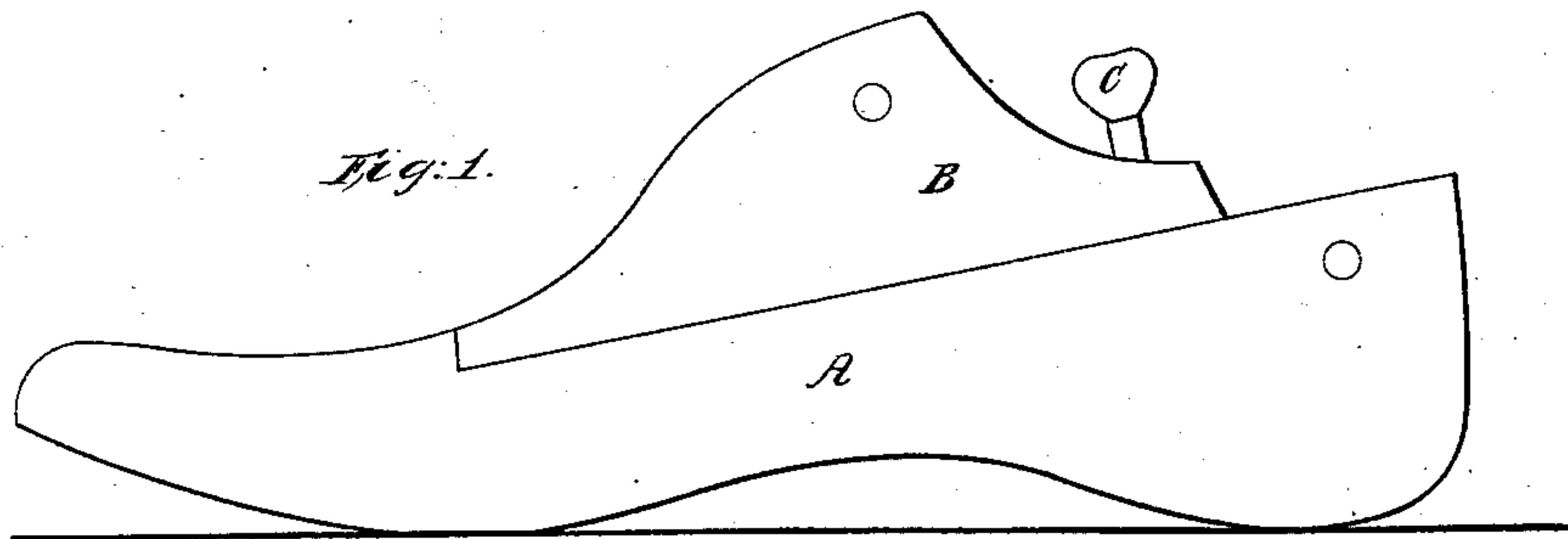


*S. Richmond,*  
*Boot Stretcher,*

*N<sup>o</sup> 84,647.*

*Patented Dec. 1, 1868.*



*Fig. 4.*



*Witnesses:*  
*S. Richmond*  
*Wm. Hansbier*

*Inventor:*  
*Selye Richmond*  
*By Alex. F. C. Hauke & Co.*  
*his attorneys*



SEELYE RICHMOND, OF ANNAPOLIS, MARYLAND.

Letters Patent No. 84,647, dated December 1, 1868:

**IMPROVED LAST-BLOCK ELEVATOR AND INSTEP-STRETCHER.**

The Schedule referred to in these Letters Patent and making part of the same.

*To all whom it may concern:*

Be it known that I, SEELYE RICHMOND, of Annapolis, in the county of Anne Arundel, and State of Maryland, have invented a new and improved Last-Block Elevator and Instep-Stretcher combined; and I do hereby declare the following to be a full and correct description of the same, sufficient to enable others skilled in the art to which my invention appertains, to fully understand and use the same, reference being had to the accompanying drawings, which make part of this specification, and in which—

Figure 1 is a perspective view of my invention;

Figure 2 is a longitudinal section of the same when used as a last-block;

Figure 3 is a similar view of the same when used as an instep-stretcher; and

Figure 4 is a detached view of the screw-socket.

Like letters of reference indicate like parts in the several figures.

The nature of my invention consists in providing the last-block, on its under side, with a recess, in which a nut plays freely, through which nut a short screw passes, and, seizing in the last, elevates or lowers the last-block to the size of the instep of the boot or shoe to be made.

Also, in the provision of a small screw, bearing against which a long screw rests, when, passing through the last-block and nut, the block is to be used as an instep-stretcher.

A, in fig. 2 of the drawings, represents the last, provided with the customary last-block B, on the rear end of which, on its under side, is formed a slot, *b*, being narrow at its rear, and wider at its front end.

This slot is covered by a plate, *c*, having an opening, *d*, through which, and the hole *e* in the top of the last-block B, a screw, C, passes, on which, in the slot *b*, a nut, D, plays.

This nut has bevelled edges, the front part of it catching and being held in the rear and narrow part

of the slot *b*, and, on account of its bevelled edges, and the rear part, being free to move up and down in the wider and front part of the slot.

F is a nut, firmly secured in the rear part of the last A, over a hole, *f*, in such a manner as to receive the end of screw C as it passes down into hole *f*.

In fig. 3, a screw-socket, H, is screwed into the nut F, and forms a bearing for the long screw G when the device is used for an instep-stretcher.

The operation of my device is very simple and easily understood.

When used as shown in fig. 2, as a last-block elevator, the short screw, C, screwing into the nut F, forces the last-block B either down or up, according to the size desired, by means of nut D in slot *b*, and holds the last-block B firmly in that position, while, when the device is used, as shown in fig. 3, as an instep-stretcher, the long screw, G, elevates the block B, by means of nut D, resting against the bearing H, which is screwed into nut F.

When it is not necessary to elevate the last-block at all, the device shown in fig. 2 holds the last-block securely on the last.

Having thus described my invention,

What I claim as new, and desire to secure by Letters Patent, is—

1. The inclining slot *b*, in the rear part of the last-block B, in combination with the nut D, substantially as and for the purpose set forth.

2. The combination of the slot *b*, nut D, short screw C, and nut F, when operating as a last-block elevator, substantially as described.

3. The screw-socket H, when constructed as described and shown, and operating in a last, substantially as and for the purpose set forth.

SEELYE RICHMOND.

Witnesses:

G. H. RICHMOND,

ALEXR. A. C. KLAUCKE.