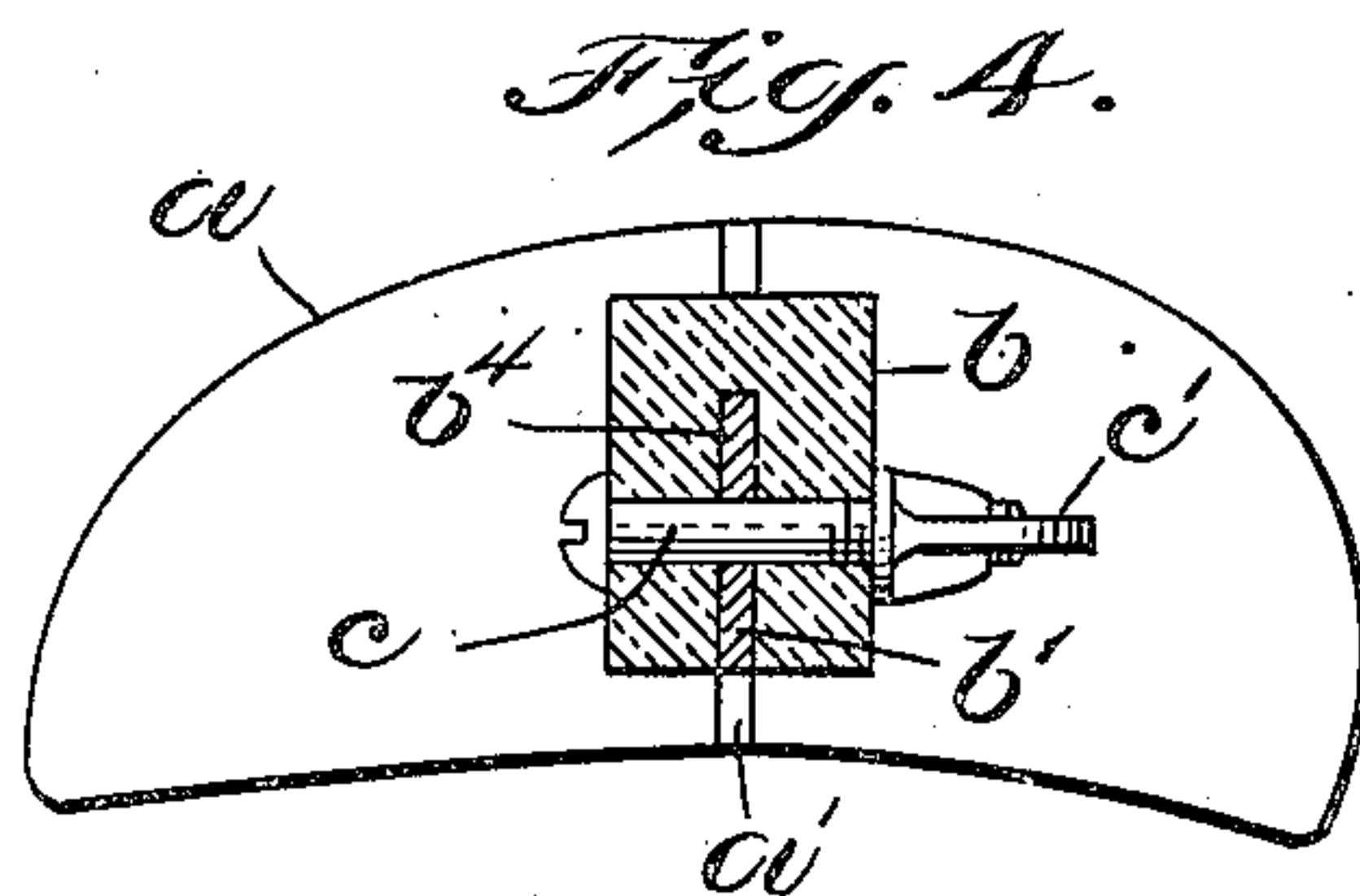
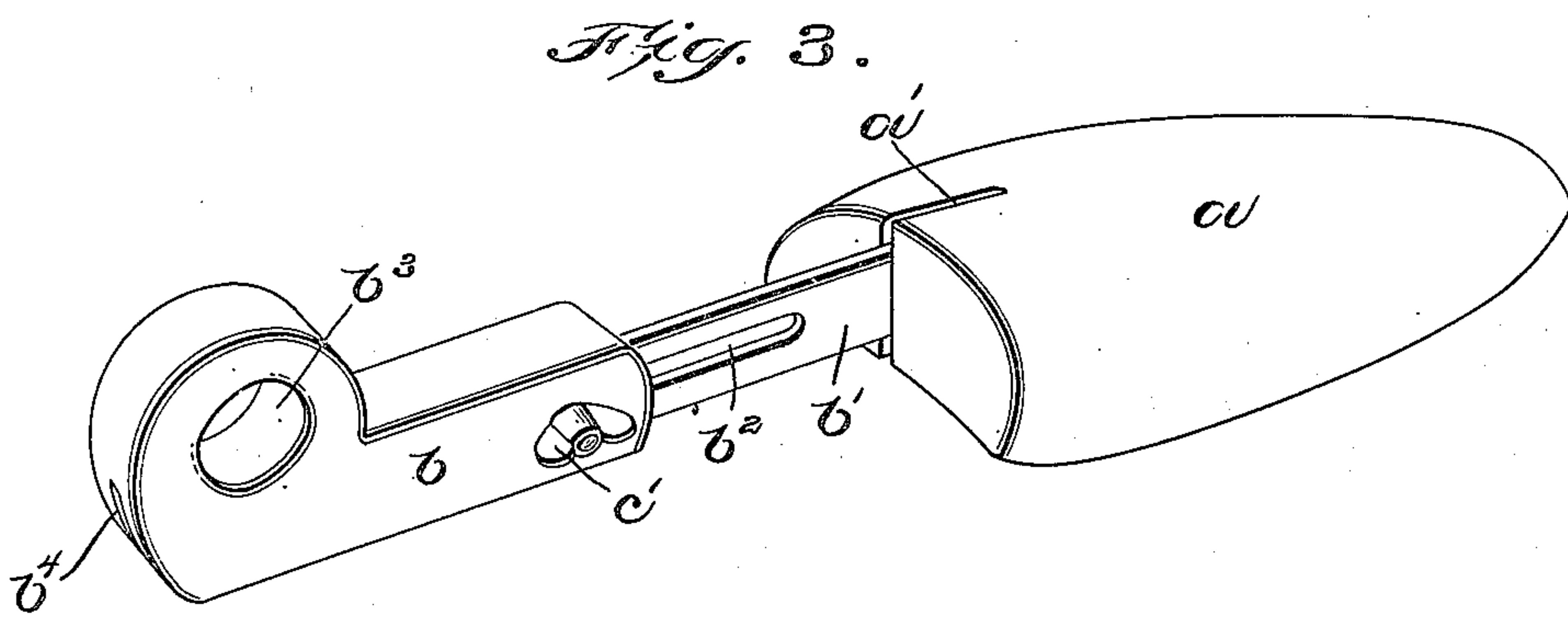
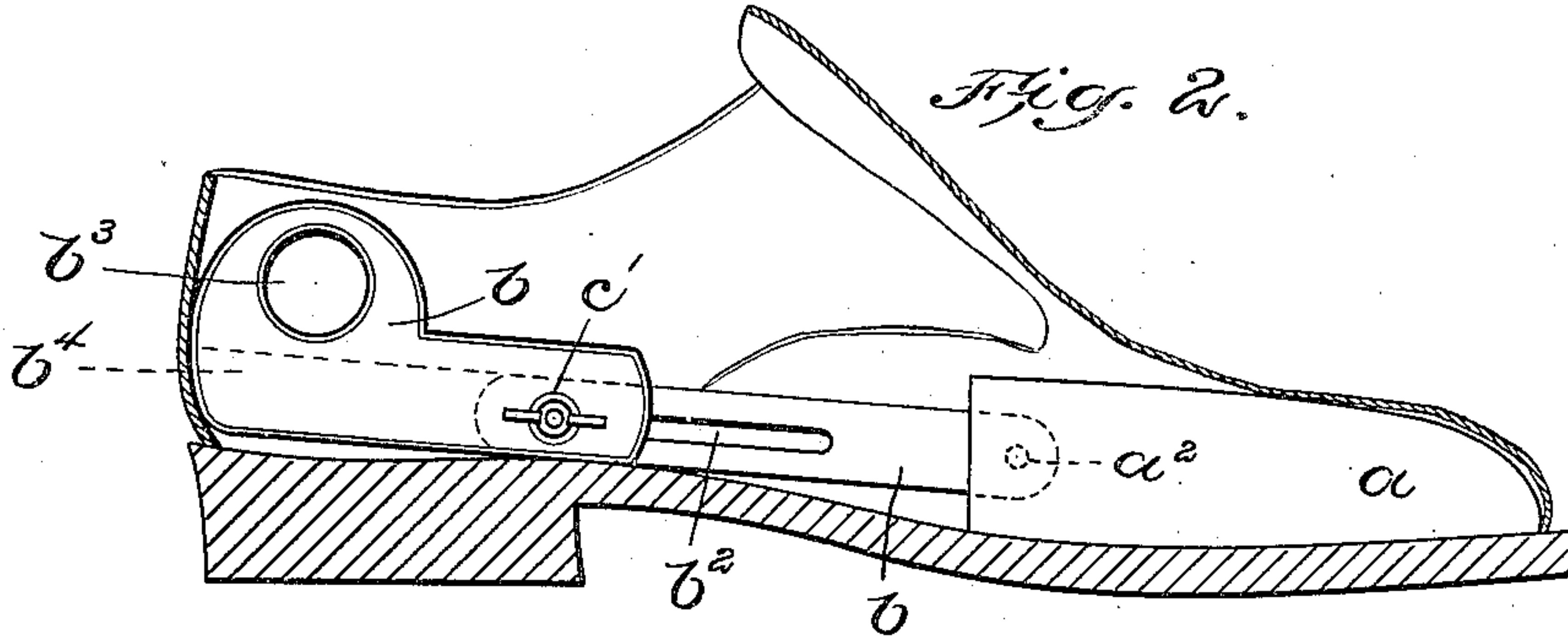
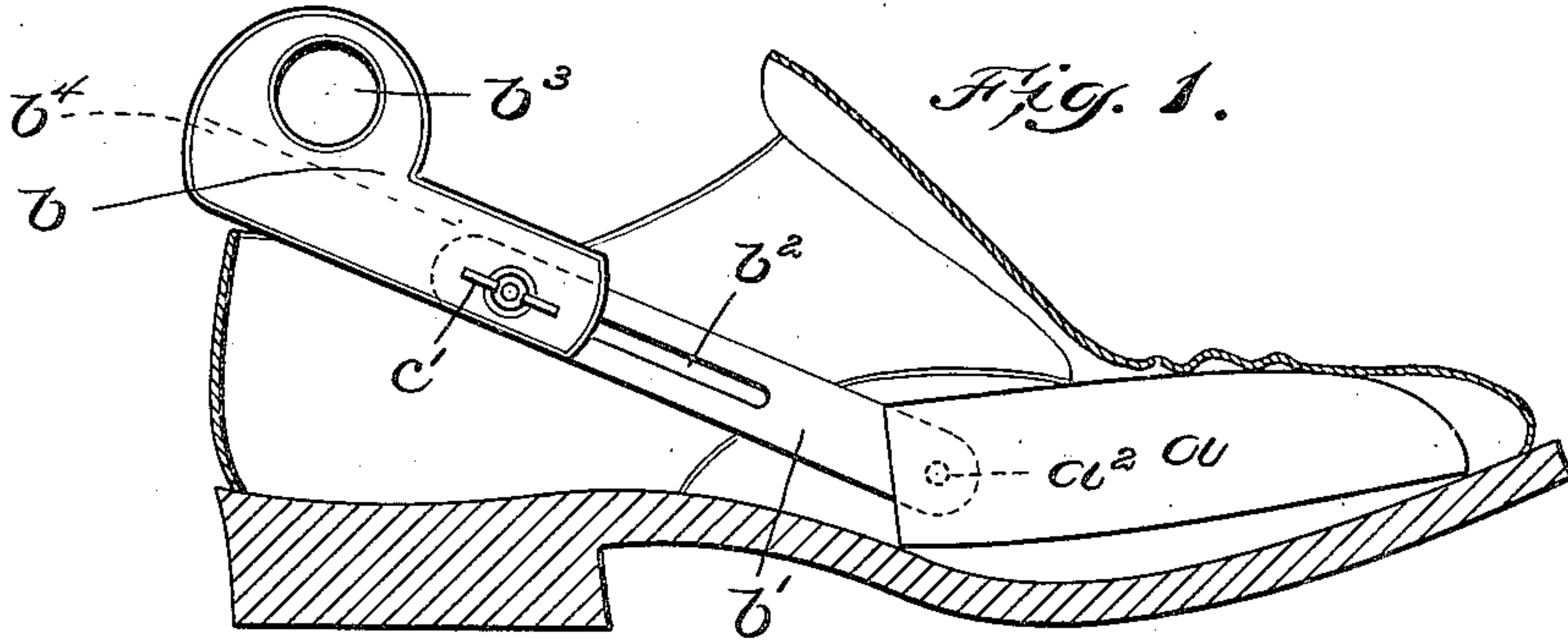


No. 828,328.

PATENTED AUG. 14, 1906.

H. O. MILLER.
DISPLAY FORM.

APPLICATION FILED JULY 11, 1902.



Witnesses:
Walter P. Bell.
P. M. Pezzetti.

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UNITED STATES PATENT OFFICE.

HOWARD O. MILLER, OF BROCKTON, MASSACHUSETTS, ASSIGNOR, BY
MESNE ASSIGNMENTS, TO O. A. MILLER TREEING MACHINE COM-
PANY, OF PORTLAND, MAINE, A CORPORATION OF MAINE.

DISPLAY-FORM.

No. 828,328.

Specification of Letters Patent.

Patented Aug. 14, 1906.

Application filed July 11, 1902. Serial No. 115,154.

To all whom it may concern:

Be it known that I, HOWARD O. MILLER, of Brockton, in the county of Plymouth and State of Massachusetts, have invented certain new and useful Improvements in Display-Forms, of which the following is a specification.

This invention relates to forms for insertion in boots or shoes, and more particularly to forms which are adjustable to fit different sizes of boots or shoes.

The object of the invention is to produce a simple and cheap device of the character stated and one which may be quickly and conveniently operated either upon inserting or removing it from a boot or shoe.

To this end the invention consists in a form comprising a toe member and an adjustable heel member pivotally connected thereto, the heel member consisting of a block or bar having its rear or outer end adapted to engage the inner side of the shoe at the heel, said heel member having a handle and formed with a longitudinal guide-groove, a bar fitting in said groove and pivoted to the toe member, and a clamp for securing the block and bar in adjustable relation.

In the drawings, which illustrate a display-form constituting one form of the invention, Figure 1 represents the form in the position which the parts thereof occupy relatively to each other when said form is being inserted in a shoe, the shoe in said figure being shown in longitudinal section. Fig. 2 represents a view similar to Fig. 1, but showing the parts of the display-form in the positions which they relatively occupy after insertion in the shoe. Fig. 3 represents a perspective view of the display-form when the parts are in the straightened-out position shown in Fig. 2. Fig. 4 represents a section through the form at the point of the adjustable connection or clamp thereof.

The same reference characters indicate the same parts in all the figures.

The toe member of the display-form is represented at *a* and is formed with a slot or recess *a'* to receive the front end of a rigid bar *b'*, to the rear end of which the heel-block *b* is connected. The said front end of the bar *b'* is pivoted at *a²* in the recess *a'* of the toe member.

The heel-block *b* is provided with a handle

portion, such as a finger-hole *b³*, and is also formed with a longitudinal kerf or slot *b⁴* to form a guide-groove for the outer end of the bar *b'* and against the upper and side walls of which the bar is designed to rest and be braced.

The bar *b'* is formed with a longitudinal slot *b²*, through which a screw *c* passes, said screw extending through the walls of the block *b* each side of the groove or kerf *b⁴* and having its outer threaded end fitted with a wing-nut *c'*. The screw *c* and wing-nut *c'* form a means for permanently connecting the heel member and bar so that at no time will said parts be liable to become separated. The screw and nut also form a clamping-bolt construction which will firmly retain the heel-block in any adjusted position longitudinally of the bar *b'* within the limits formed by the ends of the slot *b²*.

In the use of the device the heel member may be readily adjusted relatively to the toe member in the manner above described to suit the size of shoe to which the device is to be applied. The toe member *a* is then inserted in the shoe, as indicated in Fig. 1, and pushed forward into the toe as far as may be and then the heel member depressed to the position shown in Fig. 2. The rear end of the bar *b'* rests against and is braced by the upper wall of the slot *b⁴*, while the heel member is being depressed into the shoe so that the bar is not turned about the clamping-bolt *c*.

To remove the device, a finger may be inserted in the hole *b³* and the first pull swings the heel member upward and then withdraws it and the toe member from the shoe.

It will be seen that the heel-block when clamped upon the bar *b'* is rigid with said bar. When the form is inserted in the shoe, the toe member and heel-block are therefore positively forced into position and support the upper rigidly from within.

I claim—

1. A display-form for boots or shoes comprising a toe member and an adjustable heel member consisting of a rigid heel-block provided with a handle and formed with a longitudinal guide-groove, a rigid bar fitting in said groove and pivoted to the toe member, and means for clamping said block and bar in adjusted relation.

2. A display-form for boots or shoes, com-

prising a toe member and an adjustable heel member consisting of a rigid heel-block provided with a handle and formed with a longitudinal guide-groove, a rigid bar fitting in said
5 groove and pivoted to the toe member, and means permanently connecting said bar and heel member and adapted to permit adjustment of said parts relatively.

3. A display-form for boots or shoes, comprising a toe member and an adjustable heel member consisting of a handled heel-block formed with a narrow longitudinal guide-groove, a bar fitting in said groove and rigidly secured to the heel member in an adjustable manner, and a pivotal connection between said bar and the toe member.
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4. A display-form for boots or shoes, com-

prising a toe member and an adjustable heel member consisting of a block formed with a narrow longitudinal guide-groove, a bar pivotally connected to the toe member, and a rigid connection between said bar and the heel-block, said bar being received in said guide-groove and arranged to rest against the upper wall of said groove and be braced
20 thereby as the heel-block is forced toward operative position in the shoe.

In testimony whereof I have affixed my signature in presence of two witnesses.

HOWARD O. MILLER.

Witnesses:

A. D. HARRISON,
P. W. PEZZETTI.