J. S. HANSEN.

FORM FOR BOOTS OR SHOES.

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914,409. Patented Mar. 9, 1909.

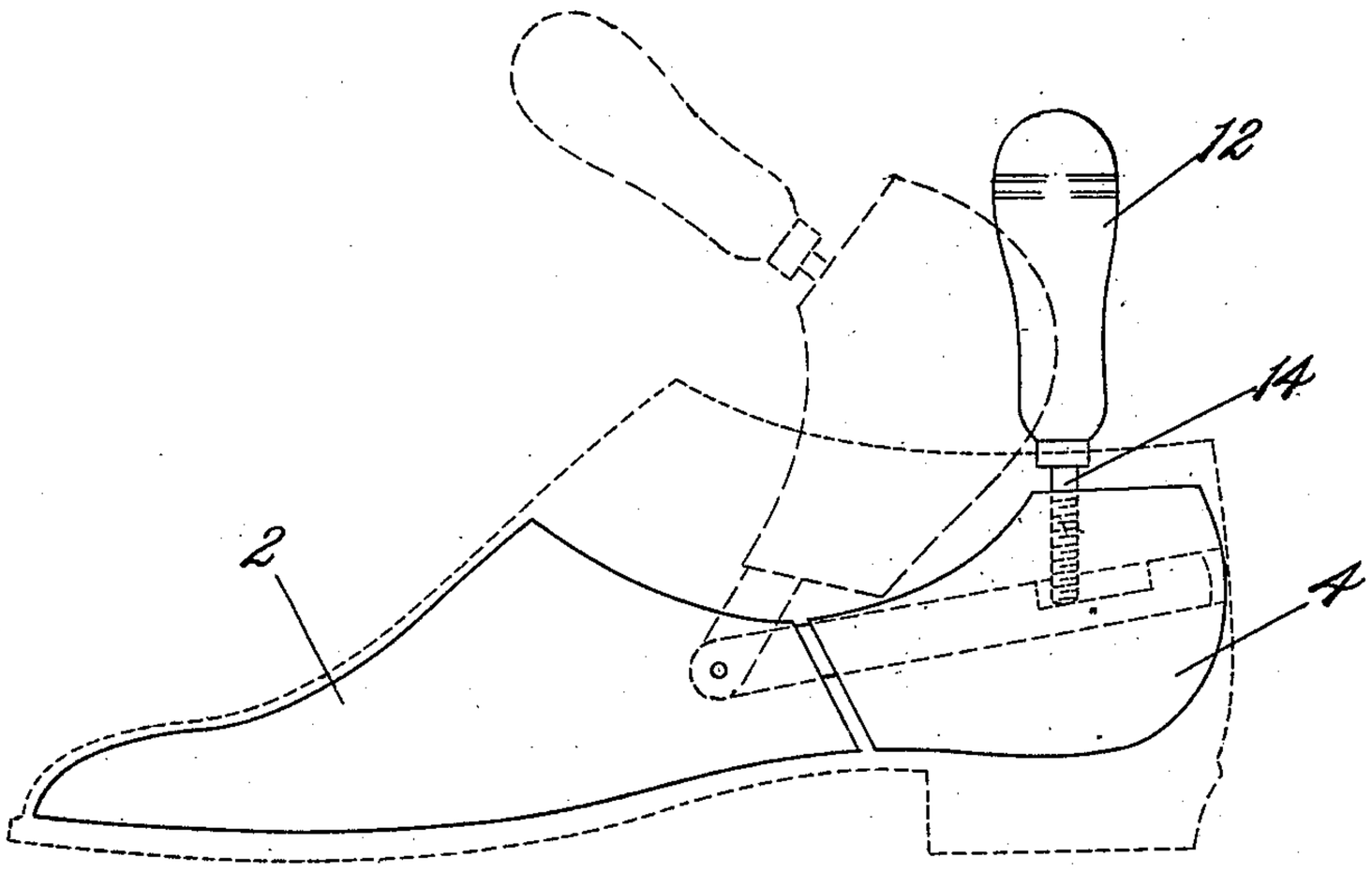

Fig. 1.

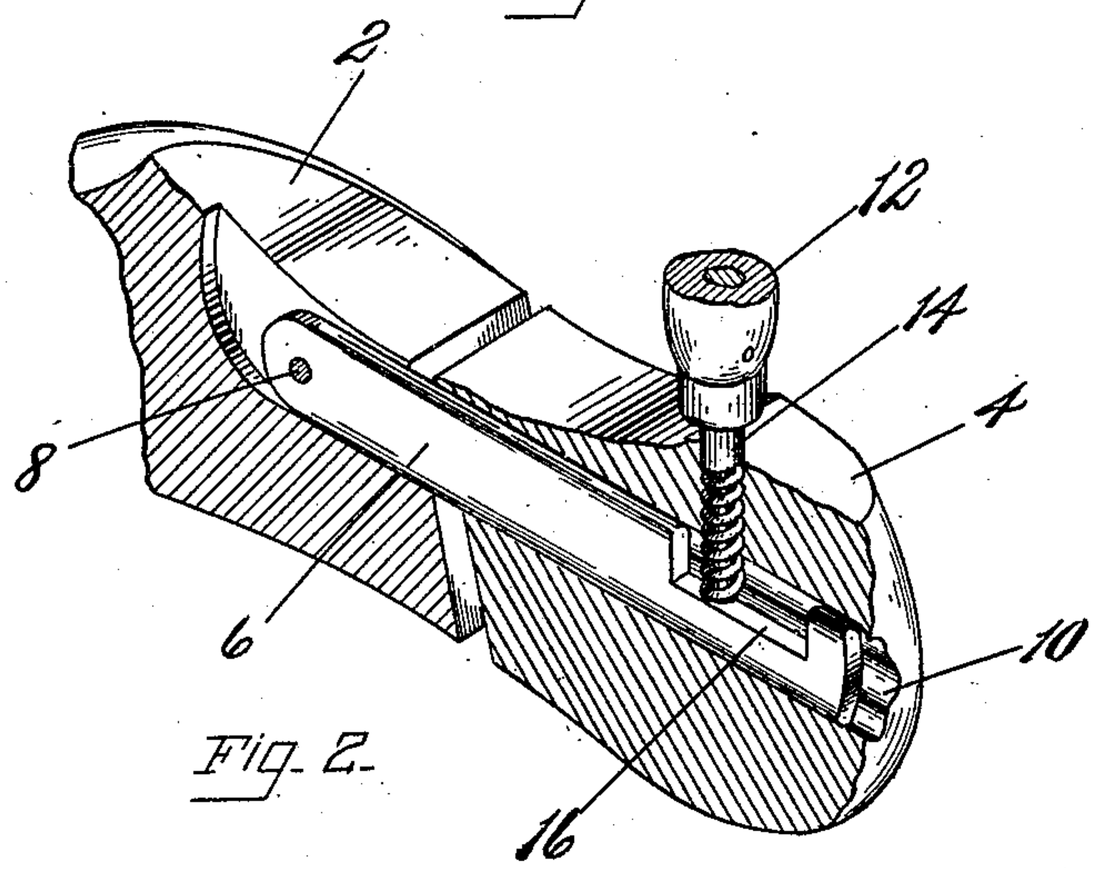

Fig. 2.

WITNESSES.

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FORM FOR BOOTS OR SHOES.

No. 914,409. Specification of Letters Patent. Patented March 9, 1909.

Application filed January 17, 1906. Serial No. 296,547.

To all whom it may concern:

Be it known that I, JOHN S. HANSEN, a citizen of the United States, residing at Brockton, in the county of Plymouth and Commonwealth of Massachusetts, have invented certain Improvements in Forms for Boots and Shoes, of which the following description, in connection with the accompanying drawings, is a specification, like reference characters on the drawings indicating like parts in the several figures.

This invention relates to forms for boots and shoes of the class in which relative adjustment of a fore part and a heel part permits the length of a form to be varied.

The object of the invention is to produce an improved form of this class, and particularly to provide a form which shall be simple in construction and capable of being readily inserted in or removed from a boot or shoe.

The present embodiment of the invention comprises a fore part and a heel part and an intermediate member pivotally connected to the fore part, the heel part being adjustably mounted upon said member. To hold the heel part in position upon the intermediate member I provide an improved clamping device mounted upon the heel part and arranged to engage frictionally said member, the arrangement being such that the clamping device may be actuated to hold the heel part upon said member with different degrees of firmness or to release said heel part when desired. The construction is preferably such that when the clamping device is released, but a limited movement of the heel part longitudinally upon said member is permitted. I prefer also to mount the heel part upon the intermediate member in such a manner that it is held from lateral turning movement upon said member.

Other features of the invention will be hereinafter described and pointed out in the claims.

In the drawings, which illustrate a display form constituting one embodiment of the invention, Figure 1 is a view in side elevation of the form; Fig. 2 is a view in perspective of a portion of the form, parts being shown in section.

The form shown on the drawings comprises a fore part 2 and a heel part 4. An intermediate member 6 is pivotally connected to the fore part at 8, said member being shown as a bar rectangular in transverse section. The heel part 4 is provided with a longitudinal passage 10, to receive said bar 6, the bar 6 fitting in said passage 10 so that the heel part is held from turning movement upon said bar. A handle 12 having a threaded stem 14 is mounted vertically in the heel part 4 in position to engage the upper face of the bar 6. The bar 6 is provided with a recess 16 in its upper side adjacent to its rear end, and the stem 14 enters said recess 16. In the assembled position of the parts it will be observed that the rear end of the recess 16 constitutes a stop to prevent the heel part from sliding from said bar 6, and that the forward end of the recess limits forward movement of the heel part upon the bar 6.

It will be seen that by turning the handle 12 the stem 14 may be forced against the upper face of the bar 6 more or less firmly, so that the heel part may be frictionally held upon said bar. The recess 16 in the bar 6 coöperates with the stem 14 to retain the heel part upon the bar 6, when the stem 14 has been loosened.

In the preferred mode of operation of the form shown, the fore part of the form is inserted in the shoe, the heel part being in a raised position, for example that shown in dotted lines in Fig. 1, and frictionally held upon the bar 6. The heel part is then forced into place by the handle 12. In its movement into place, it will be seen that the heel part may be adjusted as desired upon the bar 6, the handle 12 constituting both a means whereby the heel part may be clamped or released from movement upon the bar 6, and a convenient device for manipulating said heel part. The heel part may be held frictionally upon the bar 6 with a degree of firmness suitable to cause the fore part to be forced with sufficient pressure into the toe portion of the shoe. It will be observed that if the heel part is adjusted in such a position that the form is too long, so that if forced into a shoe it might subject the shoe to too excessive strain, the heel part will yield in the direction of the fore part. By manipulating the handle 12 resistance to movement of the heel part upon the bar 6 may be varied as desired. When the heel part has been forced into place in a shoe, it may if desired, be rigidly held from movement with relation to the bar 6, by further clamping movement of the handle 12. In removing the form from the shoe the handle 12 may be turned to release

the heel part, and the form then withdrawn by an upward pull upon said handle. It will be seen that when the heel part is released, the recess 16 normally prevents the heel part from being removed from the bar 6.

It will be seen that the form shown is simple in construction, comprising but a small number of parts and that it may be conveniently manipulated.

Having described my invention, what I claim as new, and desire to secure by Letters Patent of the United States is:—

1. In a device of the class described, a fore part, a member pivotally connected to said fore part, a rigid heel part provided with a passage to receive said member, and a handle for manipulating said heel part having a threaded stem mounted in said heel part and arranged to bear frictionally upon said member.

2. In a device of the class described, a forepart, a member pivotally connected to the forepart, a heel part arranged for movement longitudinally of said member, a handle projecting upwardly from the heel part arranged for vertical movement in said heel part and formed to engage frictionally said member, and a stop upon said member arranged to coöperate with the lower end of the handle to limit rearward movement of the heel part upon said member.

3. In a device of the class described, a fore part, a member pivotally connected to the fore part, and provided with a recess intermediate its ends, a heel part having a longitudinal passage to receive said member, and a clamping device mounted upon said heel part and arranged to enter said recess and to bear upon said member.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JOHN S. HANSEN.

Witnesses:

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