

No. 694,694.

Patented Mar. 4, 1902.

G. C. SWEET.
DISPLAY STAND FOR FOOT GEAR.

(Application filed Oct. 22, 1900.)

(No Model.)

Fig-1-

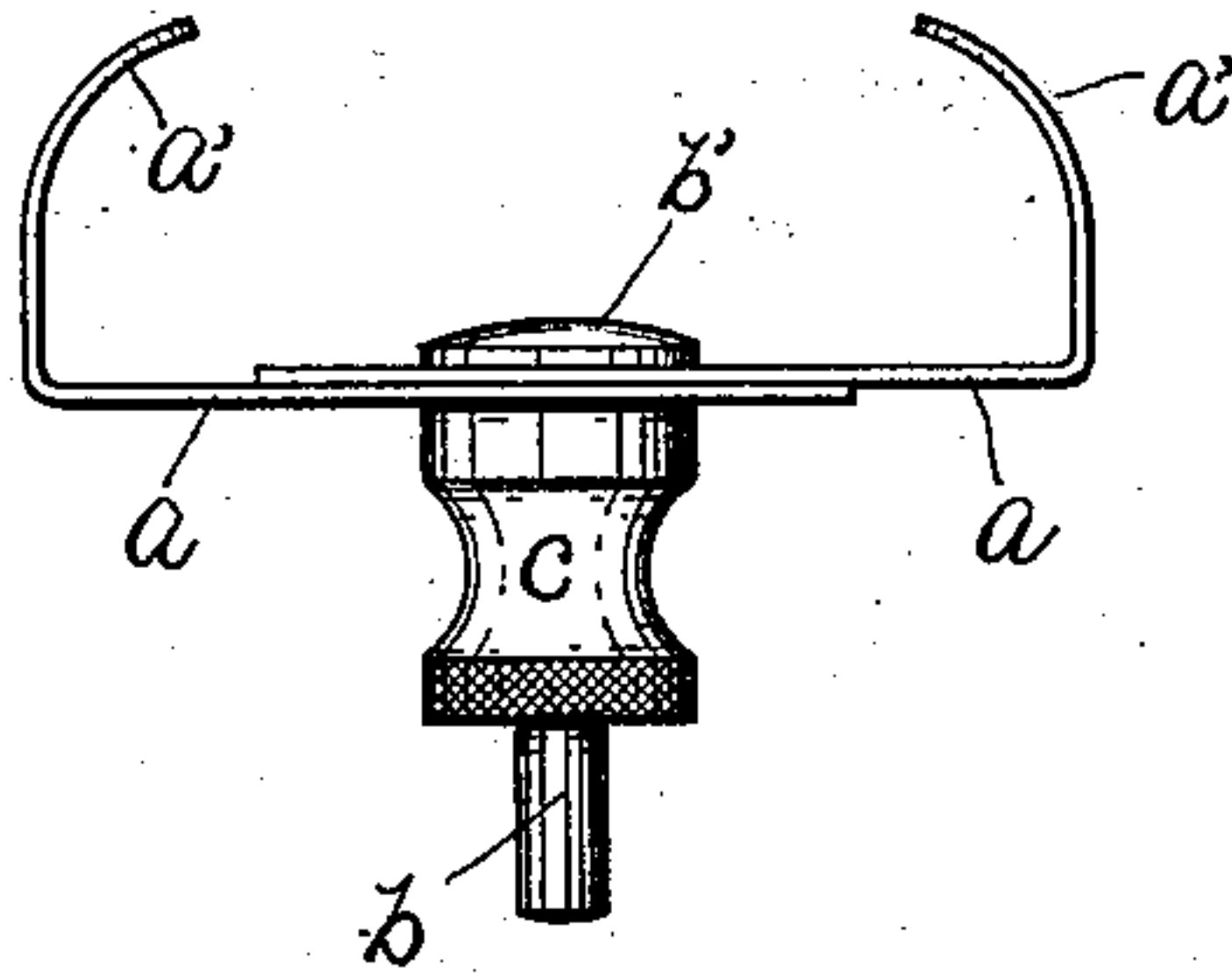


Fig-2-

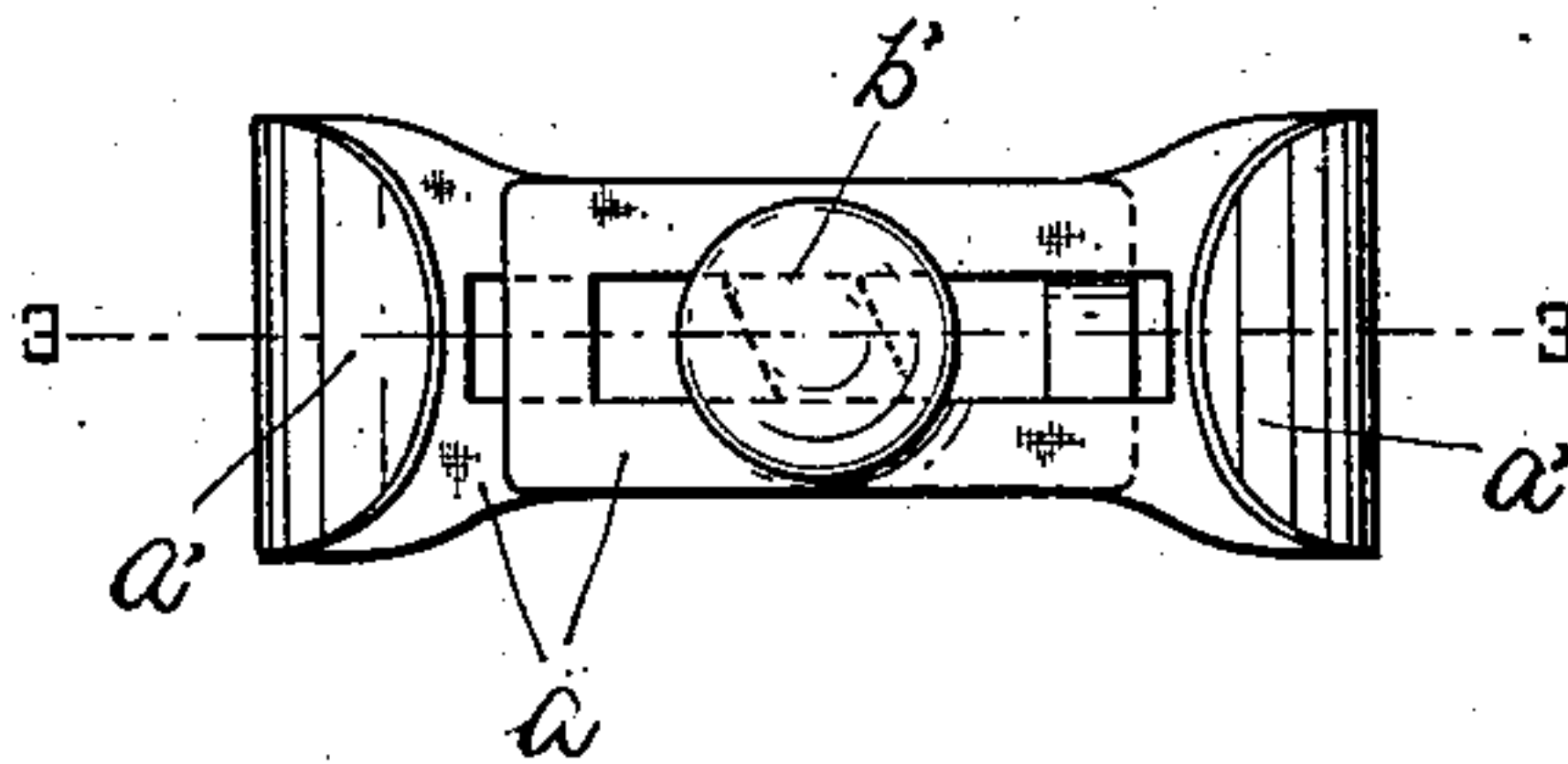


Fig-3-

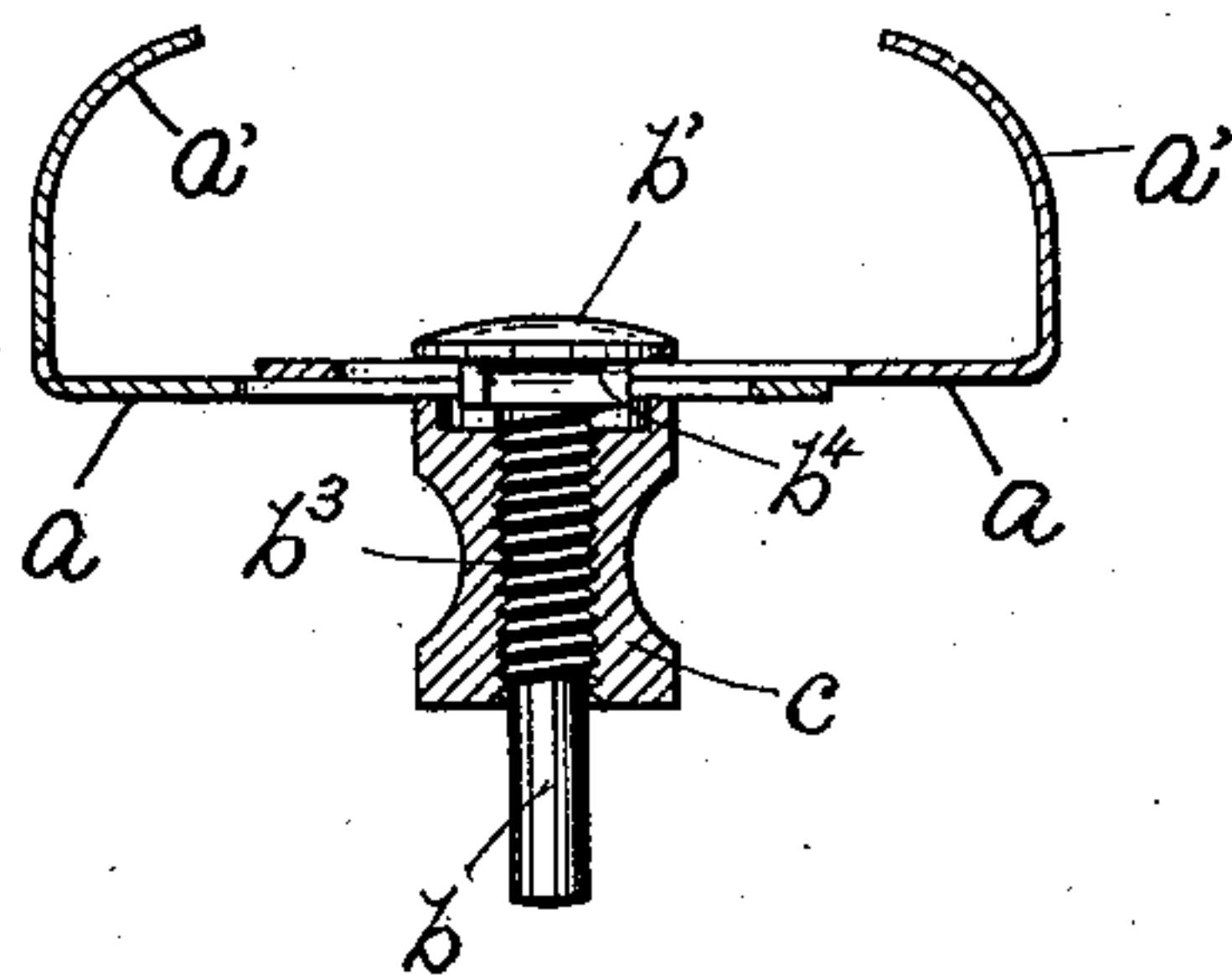


Fig-4-

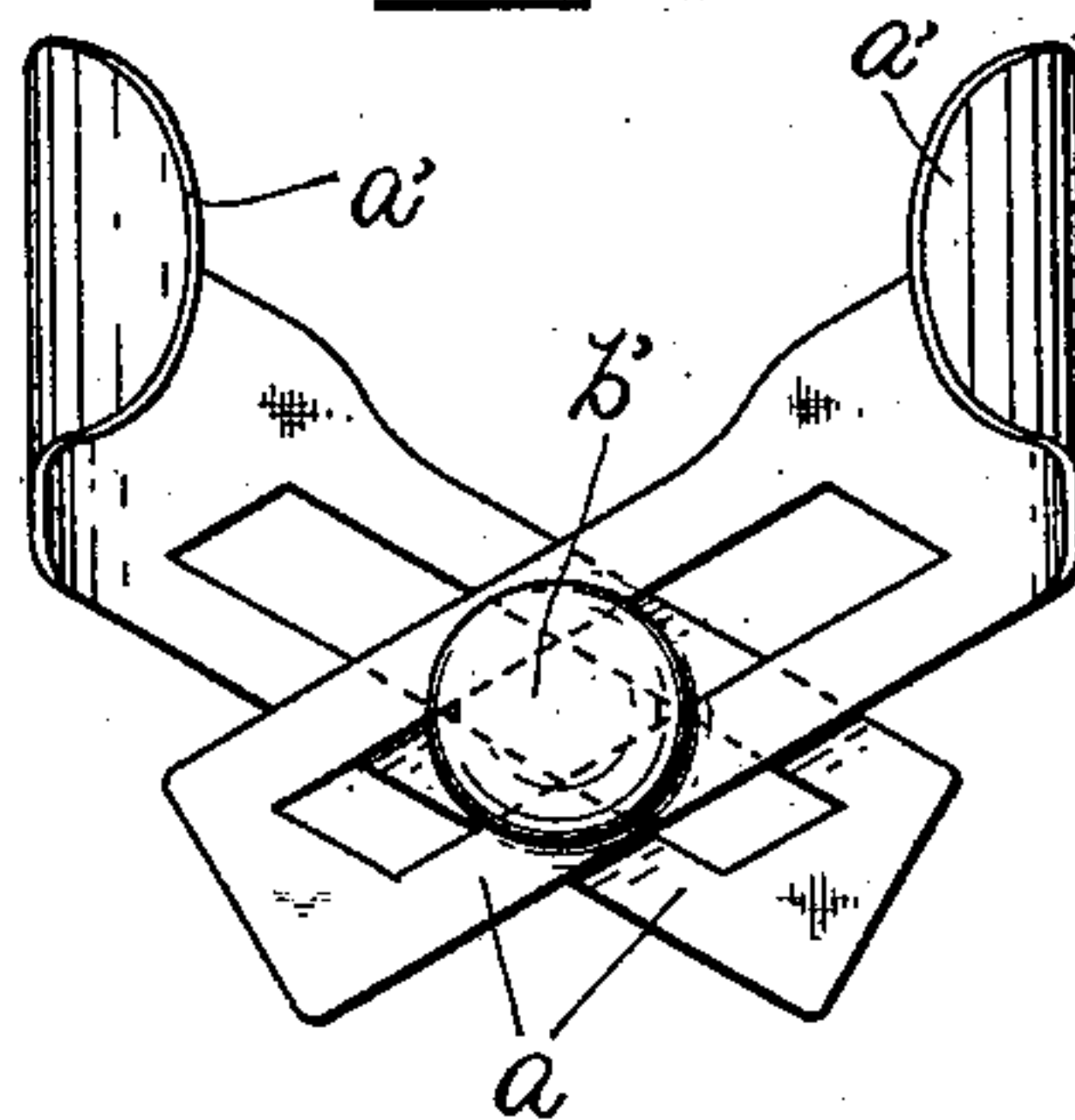
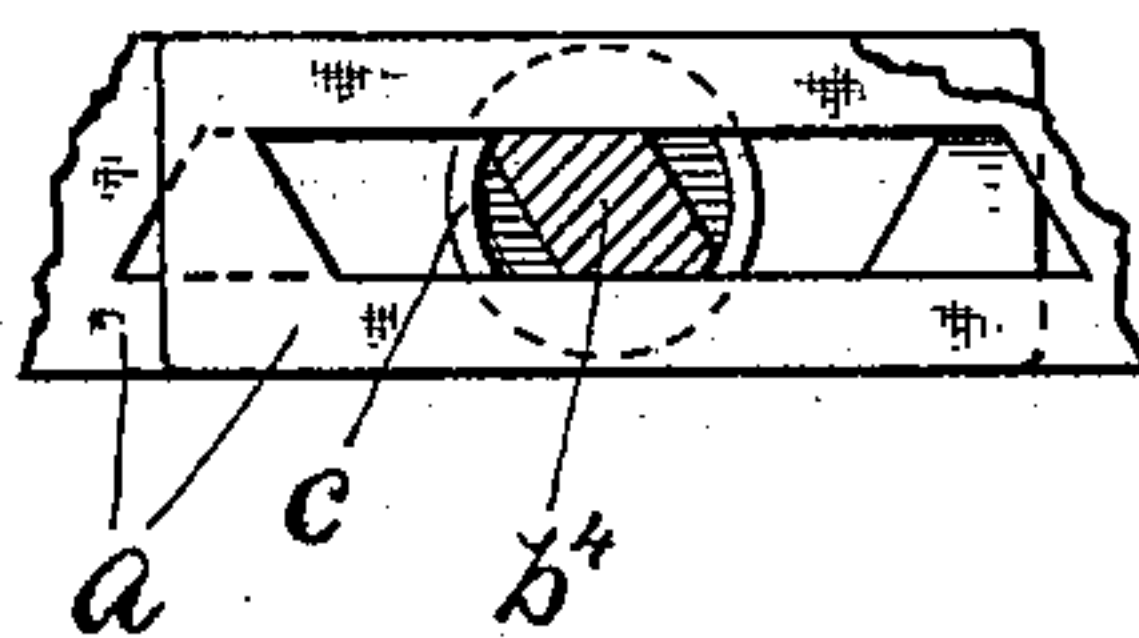


Fig-5-



WITNESSES

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UNITED STATES PATENT OFFICE.

GEORGE C. SWEET, OF NORWICH, CONNECTICUT, ASSIGNOR TO THE NORWICH NICKEL & BRASS COMPANY, OF NORWICH, CONNECTICUT.

DISPLAY-STAND FOR FOOT-GEAR.

SPECIFICATION forming part of Letters Patent No. 694,694, dated March 4, 1902.

Application filed October 22, 1900. Serial No. 33,841. (No model.)

To all whom it may concern:

Be it known that I, GEORGE C. SWEET, a citizen of the United States, residing at Norwich, in the county of New London and State of Connecticut, have invented certain new and useful Improvements in Display-Stands for Foot-Gear, of which the following is a full, clear, and exact description.

This invention is in display-stands for foot-gear, my immediate purpose being to improve a certain fixture of this class patented August 28, 1888, No. 388,685. In the said patented device I find in practice that there is an occasional tendency on the part of the clamping-nut to work loose, and thus to allow the shoe held by the frame to drop therefrom, and this is particularly true if the shoe be supported in an inverted or partially inverted position. My present invention overcomes this objectionable result in a simple, cheap, and effective manner.

The said invention also embodies novel means for supporting the two clamping-sections that clasp the shoe, whereby the said clamps may be held in alinement with each other or at a prescribed angle to each other, as I shall explain.

In the accompanying drawings, Figure 1 is an elevation of a shoe-clamp embodying my improvements. Fig. 2 is a top or plan view of the same, and Fig. 3 is a sectional view on line 3 3 of said Fig. 2. Fig. 4 illustrates a slight modification of a shoe-clamp embodying my invention; and Fig. 5 shows the slotted plates of the device of Fig. 4 as held in longitudinal alinement, the clamping-bolt being shown in cross-section just under the head b' .

In the drawings, $a a$ indicate slotted sheet-metal plates having upturned ends a' , that are adapted for clasping the opposite edges of a shoe-sole.

b denotes as a whole a bolt formed with a head b' at one end and with an extended opposite end that may be entered and clamped in any suitable support of standard or bracket form. The body portion of said bolt is threaded, as at b^3 , and immediately under the head b' the bolt is provided with an angular portion b^4 , that is of approximately the same length as the combined thickness of the two plates $a a$, the said angular portion being of

such width that it may easily enter the slots in the said plates $a a$, thus serving as a guide to prevent the rocking or deflection of the said plates, but in no wise hindering their free endwise adjustment, so as to fit shoe-soles of greater or less width. In cross-section (see Figs. 2, 4, and 5) the described portion b^4 is formed as a rhombus, so that the slotted plates $a a$ may be held in longitudinal alinement with each other, as in Figs. 2 and 5, or may be held at an angle to each other, as seen in Fig. 4. The ends a' of the slotted plates a may be simply turned upward and inward, as in the Figs. 1, 2, and 3, or they may be formed at an angle to the said plates and also inclined thereto, as in Fig. 4.

The clamping together of plates $a a$ is effected by means of a milled nut c , that is screwed upon the threaded portion b^3 of the bolt, which nut when screwed home binds the plates $a a$ firmly between itself and the described head b' . When it is desired to release and adjust the said plates, it is only necessary to slightly unscrew the nut c , when the plates may be freely adjusted relatively to each other.

In the clamping mechanism of the shoe-support of Patent No. 388,685, which I have referred to, a thin nut is screwed upon the threaded upper end of the stud or bolt, on which the plates are mounted, and the said nut is flattened on its under face to provide guides to keep the plates in alinement; but I find in practice that any unusual lateral strain upon one or the other of the plates serves to partially rotate and loosen the said nut. This objectionable result is entirely overcome in my present improved device because of the fact that the angular guides b^4 are formed on the rigid bolt and not upon the nut, and therefore any lateral or rotative strain exerted by the plates cannot operate to loosen the nut.

By forming the upturned plates a' so they are parallel with each other when adjusted, as in Figs. 1, 2, and 3, shoes with shanks of ordinary shape may be grasped and held firmly, whether the slotted plates a are parallel, as in said Figs. 1, 2, and 3, or at an angle to each other, as in Fig. 4; but it is sometimes desirable to grasp a shoe-sole forward

of the shank while the display-standard remains directly underneath said shank, in which case the plates *a a* may be readily adjusted to the angular position shown in Fig. 4, and it is desirable in shoe-supports made specially for the latter use that the ends *a'* shall be inclined as in Fig. 4.

It should be understood that my invention does not lie in the particular shape of the upturned ends *a'*, as said ends may be formed as in Figs. 1, 2, and 3 or as seen in Fig. 4. My invention lies in the described means for clamping the slotted plates *a a* together when combined with the rhombic form of bolt, whereby the said slotted plates may be held in line with each other, as in Figs. 2 and 5, or may be held at an angle to each other, as in Fig. 4.

Having thus described my invention, I claim—

In a shoe-support, in combination, slotted plates *a a*, a bolt having a head *b'* and a threaded shank, a nut mounted on said shank and adapted to clamp the said plates between itself and the bolt-head; the said bolt being formed with a rhombic portion immediately beneath its head to retain the slotted plates either in line with, or at an angle to, each other.

Signed at Norwich, Connecticut, this 8th day of October, 1900.

GEORGE C. SWEET.

Witnesses:

HORACE D. TRACY,
FRANK H. ALLEN.