

No. 830,632.

PATENTED SEPT. 11, 1906.

A. R. ANDERSON.
SHOE HOLDER.

APPLICATION FILED JULY 11, 1905.

2 SHEETS—SHEET 1.

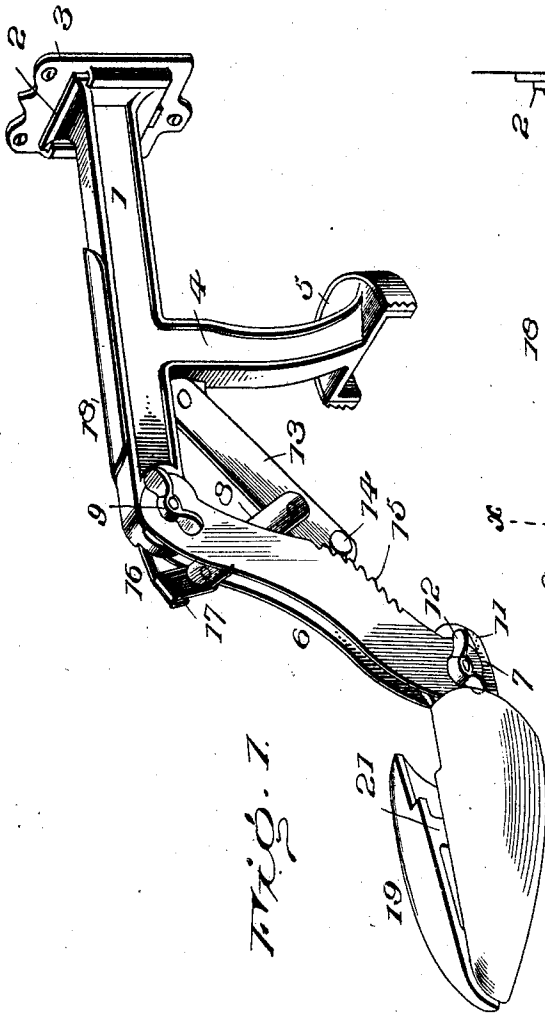


FIG. 1.

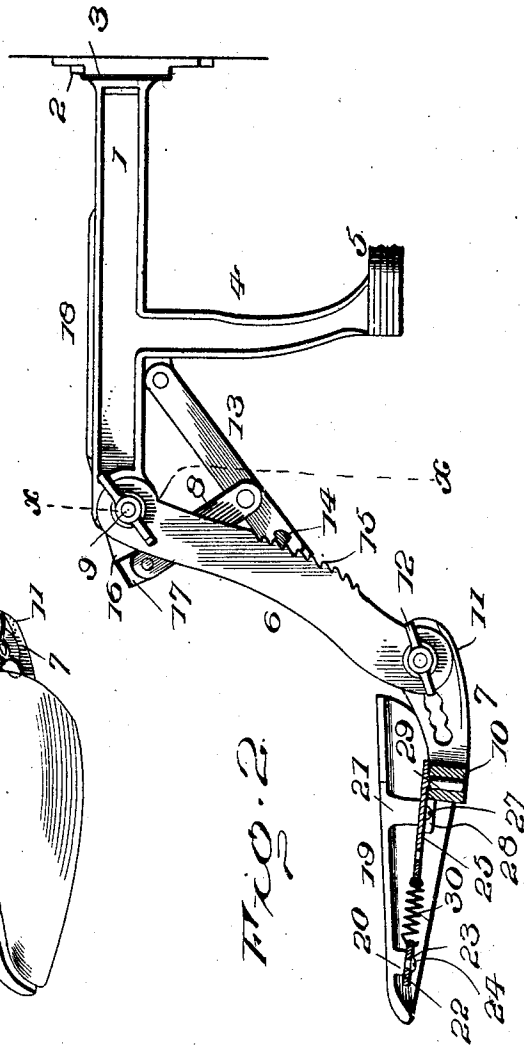


FIG. 2.

WITNESSES:

W. N. Woodson

INVENTOR

A. R. Anderson

BY

W. N. Woodson

Attorneys

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2 SHEETS—SHEET 2.

Fig. 3.

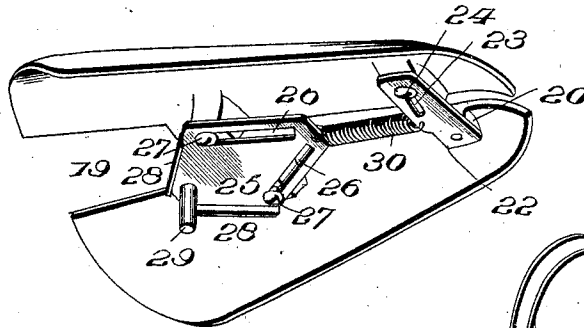


Fig. 5.

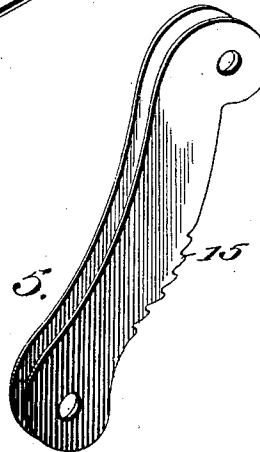


Fig. 4.

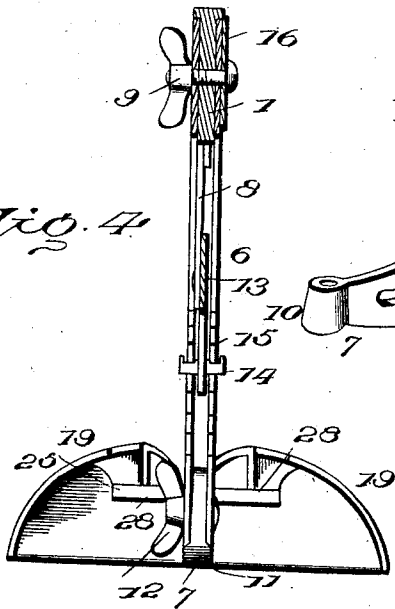
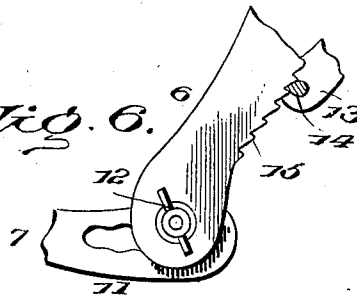


Fig. 6.



WITNESSES:

W. N. Woodson

INVENTOR
A. R. Anderson

BY
W. N. Woodson Attorneys

UNITED STATES PATENT OFFICE.

ANDREW R. ANDERSON, OF BROOKLYN, NEW YORK.

SHOE-HOLDER.

No. 830,632.

Specification of Letters Patent.

Patented Sept. 11, 1906.

Application filed July 11, 1905. Serial No. 269,268.

To all whom it may concern:

Be it known that I, ANDREW R. ANDERSON, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Shoe-Holders, of which the following is a specification.

This invention provides a novel jack for securing a shoe during the process of cleaning, the device being adjustable to accommodate different sizes of shoes and hold same firmly and securely.

For a full description of the invention and the merits thereof and also to acquire a knowledge of the details of construction of the means for effecting the result reference is to be had to the following description and drawings hereto attached.

While the essential and characteristic features of the invention are susceptible of modification, still the preferred embodiment of the invention is illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of a shoe-holder embodying the invention. Fig. 2 is a side view, the rear section of the toe portion of the tree being omitted and the connections being in section. Fig. 3 is a perspective view of the toe portion of the tree inverted. Fig. 4 is a vertical transverse section of the holder on the line X X of Fig. 2 looking to the front. Fig. 5 is a detail perspective view of the pivoted arm and adjustable socket-piece carried thereby, the parts being detached. Fig. 6 is a detail view in elevation of a portion of the pivoted arm and brace coöperating therewith on a larger scale, showing the operation by dotted lines.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

The bracket for supporting the component parts of the tree or jack is indicated at 1 and is provided at its attaching end with a base-piece 2 to make detachable connection with plate 3, attached to a wall, partition, post, or other support, said plate being provided with vertical guides to receive base-piece 2, which is connected thereto by a slip-joint, thereby admitting of the holder being disconnected from the support and laid aside to be out of the way when not required for immediate use. Standard 4 is pendent from bracket 1 at a point between its ends and terminates at its lower end in heel-piece 5, form-

ing the rear portion of the tree or jack. Heel-piece 5 is preferably clothed with rubber or like soft material to prevent injurious contact with the shoe when applied to the tree for cleaning or polishing. The bracket, standard, and heel-piece are preferably integrally formed, although within the purview of the invention they may be separate and connected in any determinate way.

Arm 6 is pivoted at its upper end to the outer end of bracket 1 and is rearwardly curved intermediate of its ends, and in the preferable construction is composed of companion plates or members transversely spaced to receive between them bracket 1, shank of socket-piece 7, and link 8. Clamp-screw or like fastening 9 pivotally connects arm 6 with bracket 1 and secures said arm in an adjusted position against casual displacement, thereby insuring a firm support for the shoe applied to the tree or holder. The socket-piece 7 is adjustably connected to the lower end of pivoted arm 6 and comprises vertical sleeve 10 and horizontal shank 11, the latter being longitudinally slotted to receive clamp-screw 12 or analogous fastening, whereby the socket-piece is held in the required position by being clamped between the members or parts of the pivoted arm 6.

Brace 13 is pivoted at its upper end to bracket 1 adjacent to standard 4 and inclines forwardly and downwardly and is provided at its lower end with lateral studs 14, adapted to coöperate with teeth 15 at the rear edge of the members or parts of the pivoted arm 6 to hold the latter in an adjusted position. Link 8 connects brace 13 with operating-lever 16, pivoted to bracket 1, preferably by the same fastening means 9 employed for pivotally connecting arm 6 to the bracket. Operating-lever 16 is placed alongside of bracket 1 and is provided at its forward end with a recurved portion 17, to which the upper forward end of link 8 is pivoted, said recurved portion 17 extending in front of a member or element of pivoted arm 6 and adapted to enter the space formed between the said members. This construction provides means for limiting the upward movement of operating-lever 16 at its rear end and sustaining the front portion of the tree or holder when clamp-screw or fastening 9 is loosened and the rear end of lever 16 thrown upward and forward. A flange 18 projects laterally from the rear portion of operating-lever 16 and is adapted to overlap

bracket 1 and limit the downward movement of said lever and also provides sufficient surface for the thumb or fingers of the hand to obtain purchase upon when pressing the rear end of lever 16 downward to effect separation of the parts of the tree or jack when applying same to the shoe to be supported for cleaning or polishing. The lateral studs 14 and teeth 15 are of such formation as to admit of the studs riding upon the teeth when pressing upon the rear end of lever 16 to extend the tree to clamp or fit the shoe applied thereto, said teeth engaging with the studs to prevent backward movement of the toe portion of the tree or jack when operating-lever 16 is released. Under ordinary conditions the cooperating studs 14 and teeth 15 are ample to hold the tree in operative position; but for greater security clamp-screw or fastening 9 is tightened.

The forward or toe portion of the tree or jack comprises similar sections or parts 19; loosely connected and transversely expandible so as to automatically adjust themselves to different widths of shoes. Each of the sections or parts 19 is hollow and is provided upon the inner or hollow side with lugs 20 and 21, to which the coupling or connecting means are attached. Plate 22 is attached at one end to lug 20 of a section 19, and its opposite end portion is slotted, as shown at 23, to receive fastening 24, by means of which said plate is loosely and positively connected to the other section 19, said fastening 24 being headed to overlap the sides of slot 23, so as to confine plate 22 between the head of fastening 24 and lug 20 receiving said fastening. A second plate 25 is provided with forwardly-converged slots 26, through which headed fastenings 27 pass and are let into lugs 21 of sections 19. Plate 25 acts jointly with plate 22 to connect sections 19 in such a manner as to admit of lateral or transverse play of said sections, whereby they are enabled to fit different widths of shoes. Plate 25 is stiffened and reinforced by flanges 28, which are rearwardly converged. Spindle 29 is pendent from plate 25 and is adapted to enter vertical sleeve 10 or apertured head of socket-piece 7, whereby the front or toe portion of the tree is adapted to have a limited lateral play. The rear vertical ends of flanges 28 constitute stops which come upon opposite sides of shank 11 of socket-piece 7 to limit the lateral turning of the front portion of the tree. Spring 30 exerts a forward pull upon plate 25, whereby sections 19 are normally spread to the limit of their adjustment. When sections 19 are pressed together more or less, fastenings 27 ride upon the inner edges of forwardly-converged slots 26 and press plate 25 rearward against tension of spring 30. Hence said sections automatically adapt themselves to the varying widths of shoes and enable the universal ap-

plication of the holder within a limited range of adjustment.

The component parts of the holder being constructed and assembled substantially as set forth, the front or toe portion of the tree may be moved forward or rearward with reference to the pivoted arm 6 by loosening clamp-screw 12 and adjusting socket-piece 7 longitudinally to effect either lengthening or shortening of the tree as may be desired. The rear end of lever 16 is thrown upward and forward to shorten the tree to admit of fitting the shoe thereto to be cleaned or polished, and after the shoe has been slipped upon the tree or jack the rear end of lever 16 is pressed downward, thereby spreading the front and rear portions of the tree and causing same to grip the shoe firmly. To remove the shoe, the rear end of lever 16 is lifted, thereby withdrawing the front portion of the tree and loosening same, whereby the shoe may be readily detached. When not required for immediate use, bracket 1 may be disengaged from plate 3 by lifting upward thereon, and to further reduce the size of the tree the toe portion is disconnected from the socket-piece, thereby admitting of storing the holder in a comparatively small space.

Having thus described the invention, what is claimed as new is —

1. A shoe-holder comprising a bracket, a standard projected laterally therefrom and terminating in a heel-piece, an arm pivoted to the bracket and extended laterally therefrom and provided with a toe portion for conjoint operation with the said heel-piece, an operating-lever pivoted to the bracket, a brace pivotally supported at one end and having connection with said operating-lever, and cooperating means between said brace and pivoted arm to hold the latter in an adjusted position, substantially as set forth.

2. A shoe-holder comprising a bracket, a standard projected from the bracket and terminating in a heel-piece, an arm pivoted to the bracket and provided with a toe portion, an operating-lever pivoted to the bracket and having a portion to project in front of said pivoted arm to limit the relative movement of the lever and arm in one direction, a brace pivoted to the bracket, a link connecting said brace with the operating-lever, and cooperating means between the brace and pivoted arm to sustain the latter in an adjusted position, substantially as specified.

3. In a shoe-holder, a bracket provided with a standard terminating in a heel-piece, an arm pivoted to the bracket and provided with the toe portion of the holder, an operating-lever, a pivot-fastening connecting the operating-lever and arm to the bracket and serving to secure same in an adjusted position, a brace pivotally supported by means of the said bracket and connected with said operating-lever, and cooperating means be-

tween said brace and pivoted arm for holding the toe portion of the holder extended, substantially as set forth.

4. In a shoe-holder, the combination of a bracket provided with a standard terminating in a heel-piece, an arm pivoted to the bracket, cooperating means between said arm and bracket for holding the arm in an adjusted position, a socket-piece, means for adjustably connecting the socket-piece to the pivoted arm and the toe portion of the holder applied to said socket-piece, substantially as specified.

5. In a shoe-holder, the combination of a bracket provided with a standard terminating in a heel-piece, an arm comprising spaced members embracing opposite sides of the bracket at one end, an operating-lever, fastening means pivotally connecting said operating-lever and parts of the arm to said bracket and adapted to secure same in an adjusted position, a brace, a link passed between the members of the pivoted arm and connecting said brace with the operating-lever, cooperating means between said brace and pivoted arm for holding the latter in an adjusted position, a socket-piece having its shank fitted between the members of the pivoted arm, means for connecting the lower ends of the members of the pivoted arm and

clamping the socket-piece therebetween, and a toe portion applied to said socket-piece, substantially as described.

6. In a tree or jack for shoes, similarly-formed parts, front and rear plates loosely connecting said parts, one of said plates having converged guides, cooperating means between the said parts and guides and a spring connecting said plates and normally exerting a force upon the plate provided with the converged guides to hold the parts spread, substantially as and for the purpose set forth.

7. In a tree or jack for shoes, similarly-formed parts made hollow and provided with inner lugs, plates loosely connecting the said parts and attached to the lugs thereof, one of the plates being provided with converged slots, cooperating means between the said parts and guides and a spring exerting a pulling force upon the plate having the converged slots to normally hold the parts spread, whereby they automatically adapt themselves to different widths of shoes, substantially as set forth.

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

ANDREW R. ANDERSON. [L. s.]

Witnesses:

JAS. P. CLARK,

HENRY WARNEKE.