

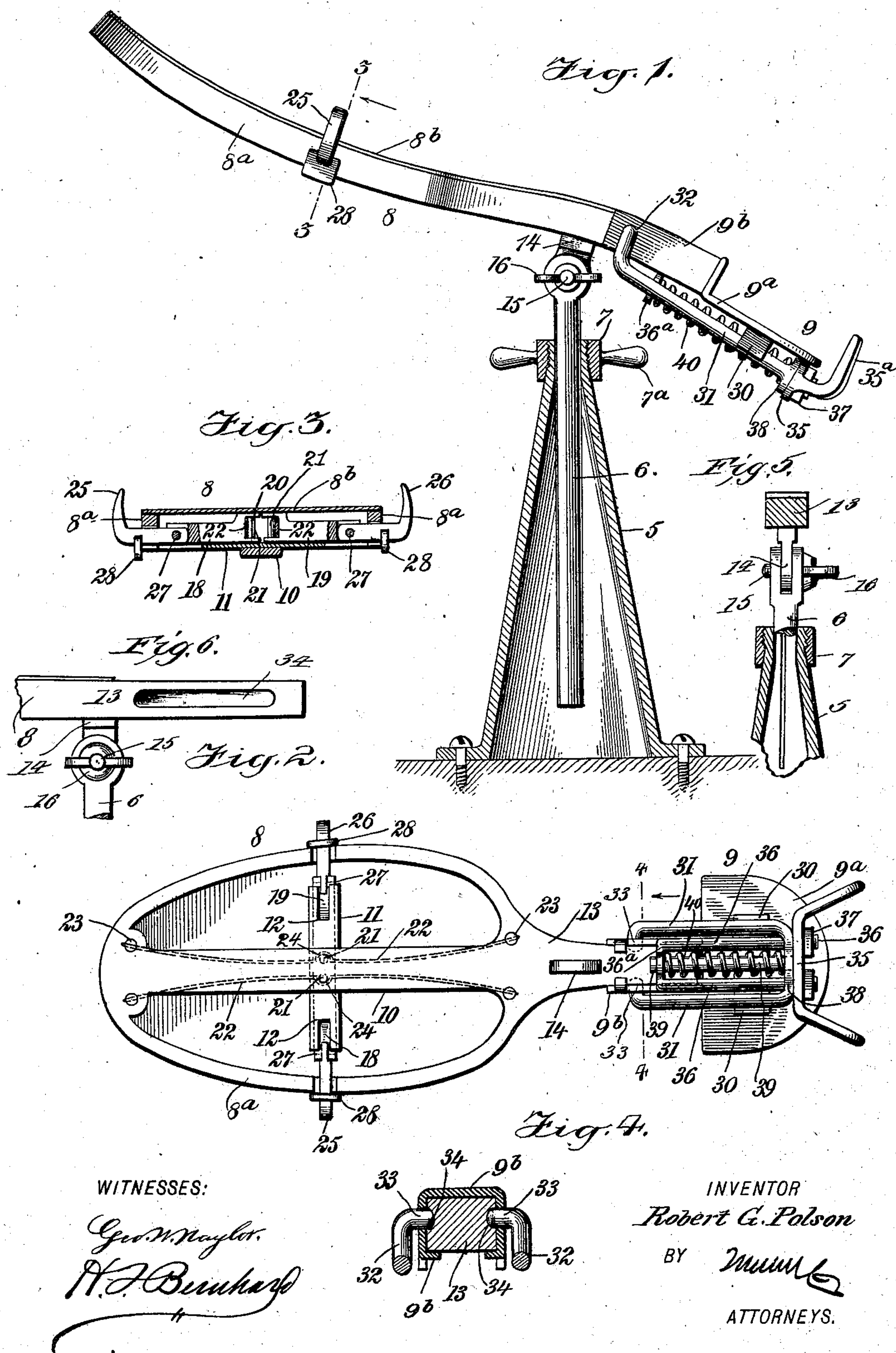
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PATENTED APR. 28, 1903.

R. G. POLSON.
SHOE POLISHING STAND.

APPLICATION FILED SEPT. 23, 1902.

NO MODEL.



UNITED STATES PATENT OFFICE.

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SHOE-POLISHING STAND.

SPECIFICATION forming part of Letters Patent No. 726,748, dated April 28, 1903.

Application filed September 23, 1902. Serial No. 124,514. (No model.)

To all whom it may concern:

Be it known that I, ROBERT GEDDIE POLSON, a citizen of the United States, and a resident of Leadville, in the county of Lake and State of Colorado, have invented new and useful Improvements in Shoe-Polishing Stands, of which the following is a full, clear, and exact description.

My invention relates to improvements in shoe-polishing stands; and one object that I have in view is the provision of a simple and efficient device which will firmly hold the boot or shoe in place during the operation of shining or polishing the same, said device being adapted for use in the household, as well as in barber-shops, restaurants, and many other places.

A further object is to provide means for raising or lowering and changing the angle of the shoe rest or support, thus making the device convenient to the operator.

A further object is to provide means for holding a boot or shoe firmly in place on the rest or support, said holding devices including clamps for engagement separately with the sole and the heel, the heel support and clamp being adjustable or extensible with respect to the sole support or clamp in order that the parts may be used on boots or shoes of different sizes.

Further objects and advantages of the invention will appear from the subjoined description, and the novelty will be defined by the annexed claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a side elevation, partly in section, of a shoe-polishing stand constructed in accordance with my invention. Fig. 2 is an inverted or bottom plan view of the extensible support for the sole and heel of a boot or shoe. Fig. 3 is a cross-section through the sole-support on the line 3 3 of Fig. 1 looking in the direction of the arrow. Fig. 4 is a transverse section on the line 4 4 of Fig. 2, also looking in the direction of the arrow. Fig. 5 is a detail sectional elevation showing the adjustable connections between the post and the stand and also between the post and the shoe-support. Fig. 6 is a detail view, in side

elevation, of a part of the sole member, showing the longitudinal grooves or channels in the shank thereof.

5 5 designates a hollow base or column which is adapted to be secured firmly to a floor or other place by any suitable means. In this hollow base or column is slidably fitted a vertically-adjustable stem or post 6, which may be held firmly at any desired elevation by suitable clamping means, which may be embodied in the form of a set-screw. I prefer, however, to split or divide the upper open end of the tubular column and to externally thread the same for the reception of a nut 7, having a suitable handle 7^a for its convenient rotation, said nut being adapted to compress the divided end of the column into frictional engagement with the adjustable post 6.

The means for supporting the boot or shoe consist of a sole-support indicated in its entirety at 8 and a heel-support likewise indicated in its entirety at 9 in Figs. 1 and 2. The sole-support and the heel-support are slidably connected together, so as to be extensible to fit soles or boots of any desired length, and each support is provided with means for clamping the part placed thereon.

I will first proceed to describe the detailed construction of the sole-support and its clamp, and this sole-support has a skeleton frame 8^a and a top piece 8^b, these parts being shaped or fashioned according to the contour of an ordinary boot or shoe. The sides and end portions of the skeleton frame 8^a are curved, as shown more clearly by Fig. 2, and the top plate 8^b is curved longitudinally, as more clearly indicated by Fig. 1. The skeleton frame of the sole-support is provided with a longitudinal bar or member 10, and this member is provided with a transverse guide-bar 11, said guide-bar being shown as made in a separate piece and attached to the longitudinal bar, although this detail construction is not material. The guide-bar 11 is disposed in a transverse position at or about the middle of the sole-support, and said bar is of channeled construction and provided with short longitudinal slots 12 at its end portions. (See Fig. 2.) The skeleton frame 8^a of the sole-support is furthermore provided with a shank 13, which is in one piece with the frame and

extends rearwardly therefrom, and this shank is provided on its under side with a depending lug 14, the latter being adapted for adjustable connection with the upper end of the

5 vertically-adjustable post which is held in the base or column 5. The upper end of this post 6 is forked or bifurcated to receive the depending lug 14 of the shoe-support, and this lug is pivotally connected to the post by

10 a transverse bolt 15, which is equipped with a winged clamping-nut 16, the latter adapted to firmly hold the lug 14, and thereby maintain the shoe-support in different angular positions.

15 It will be noted that the entire shoe-support is bodily adjustable on a horizontal axis afforded by the bolt 15, and the angle or inclination of this shoe-support may be varied by turning it on the bolt 15, while the shoe-

20 support may also be raised bodily by adjusting the post 6 within the hollow base or column. The sole-clamp which I prefer to use is shown more clearly by Figs. 2 and 3 of the drawings, and it consists of the slidable pieces

25 18 19, which are fitted in the channeled guide-bar 11 for endwise adjustment therein. The inner ends of these slidable pieces 18 19 are forked, as at 20, and provided with the pins 21, and to said inner ends of these slidable

30 pieces are connected the leaf-springs 22. (Shown by dotted lines in Fig. 2.) These leaf-springs are housed within the skeleton frame 8^a of the sole-support, and the end portions of said springs are secured to said frame

35 by suitable pins 23. The middle portion of each spring is bowed or curved, as at 24, and this bowed portion of each spring is fitted in the forked end 20 of one slidable piece 18 or 19, whereby the pin 21 of the piece is adapted to

40 fit into the bowed or curved portion 24 of the spring, so as to operatively connect the spring with the slidable piece in a manner to overcome accidental separation of the parts. The springs are connected individually with the

45 slidable pieces, so as to normally draw them inwardly and toward each other, and these slidable pieces serve to carry the sole-clamps 25 26, the latter being pivotally connected at 27 to the outer ends of the slidable pieces 18

50 19. The sole-clamps are normally drawn inwardly by the action of the springs on the slidable pieces, and these clamps are held in firm engagement with the side edges of the shoe-sole by the energy of the springs. The

55 sole-clamps 25 26 may be raised or lowered by adjusting them on the axes afforded by the pivots 27, so as to make the clamps properly engage with soles of different thicknesses and shapes, and said clamps are adapted to be

60 lowered into the slots 12 of the guide-bar 11, thus allowing the clamps to lie in line with the slidable pieces or at different angles with respect thereto. The sole-clamps are also provided with depending lugs 28, which serve as

65 finger-pieces in adjusting the clamps, and said clamps may be turned outwardly below the sole-support, so as to be out of the way if

it is not desired to hold the shoe-sole firmly in place on the support 8.

The heel-support 9 consists of an angular 70 or offset plate 9^a and a clip 9^b, the whole being cast or otherwise formed in a piece of metal. The shape of the plate 9^a allows the heel to snugly fit therein, and the clip 9^b is

75 channeled or hollow, as shown more clearly by Fig. 4. The clip of the heel-support is arranged to fit snugly on the rearwardly-extending shank 13 of the sole-support, and this clip is adapted to be adjusted slidably on said

80 shank in order to lengthen or shorten the entire shoe-support, which is formed by the sole-section 8 and the heel-section 9. The plate 9^a of the heel-support is provided on its under side with a cross-piece 30, having downwardly-

85 bent ends, and to this cross-piece is firmly secured a bail or yoke 31, the front end of which is extended beyond the angular plate 9^a. The free ends of the yoke or bail are bent up-

90 wardly, as at 32, to form short arms, and thence bent inwardly to form fingers 33, said bail having its fingers extending inwardly toward each other and fitting slidably in

95 grooves or channels 34, which are provided in the side edges of the shank 13. The grooves or channels terminate short of the rear end of the shank 13 and the bail 31, and the clip

9^b of the heel-support is fitted slidably on the shank of the sole-support in a manner to prevent separation of these parts and also allow

100 the heel-support and the bail to be adjusted lengthwise of the sole-support shank 13. The fingers 33 of the bail pass through the sides of the clip 9^b, and these fingers limit the rearward movement of the bail and the clip on

105 the shank.

The heel-clamp 35 is firmly attached to the rear end of a slidable yoke 36 by means of the nuts 37, and this heel-clamp is provided with the upwardly-extending prongs 35^a, which lie

110 in rear of the plate 9^a of the heel-support. The yoke 36 is slidably fitted in suitable openings in the rear bar 38 of the bail 31, and between the arms of this slidable yoke 36 is arranged a guide-stem 39, the latter being firmly

115 secured to said cross-bar 38 of the bail 31. The guide-stem passes loosely through an opening formed in the front cross-bar 36^a of the slidable yoke, and around this guide-stem is coiled an impelling-spring 40, the latter being

120 seated at one end against the bar 38 of the bail 31, while its front end acts against the bar 36^a of the yoke 36 in a manner to normally draw the heel-clamp 35 toward the angular plate of the heel-support.

Having thus described my invention, I 125 claim as new and desire to secure by Letters Patent—

1. A shoe-polishing stand, comprising a base, a post adjustably clamped therein, a shoe-support having sole and heel members 130 extensively fitted together and said sole member mounted adjustably on the post, and clamps carried by the separate members of the shoe-support.

2. A shoe-polishing stand comprising a base, a post adjustably clamped therein, an extensible shoe-support having connected heel and sole members, said sole member being adjustably attached to the post and permitting the heel member to be adjusted relatively to the sole member without hindrance from the post, and means for holding the shoe-support firmly on the post.

3. In a shoe-polishing stand, an extensible shoe-support comprising a sole member having a shank at its rear end, a heel member provided with a clip which embraces said shank, and means to limit the relative movement of the heel member to the sole member, combined with a base, and a post clamped adjustably in the base and having an adjustable connection with the sole member of said shoe-support.

4. In a shoe-polishing stand, an extensible shoe-support comprising a sole member, a heel member slidably fitted to the sole member, a pair of spring-actuated clamps disposed at the sides of and carried by the sole member, and a spring-impelled heel-clamp carried by the heel member and movable in a path substantially at right angles to that of the clamps on the sole member.

5. In a shoe-polishing stand, a sole-support having slidable pieces, springs connected individually to said slidable pieces, and sole-clamps carried by said slidable pieces.

6. In a shoe-polishing stand, a sole-section having a channeled guide-bar, slidable pieces fitted to said guide-bar, springs attached to the sole-section and engaging with the slidable pieces, and sole-clamps carried by the slidable pieces.

7. In a shoe-polishing stand, a sole-support provided with slidable pieces, springs to normally draw said slidable pieces toward each other, and sole-clamps pivoted to said slidable pieces and adjustable therewith.

8. In a shoe-polishing stand, a shoe-support comprising a sole member having a shank, a heel member provided with a clip slidably fitted

to said shank, and means connecting the shank and clip to prevent accidental separation of one member from the other member.

9. In a shoe-polishing stand, a shoe-support comprising a sole member having a shank, a heel member consisting of an angular plate provided with a clip which is slidably fitted to said shank, and a bail attached to the heel member and provided with arms which are slidably fitted to the shank of the sole member.

10. In a shoe-polishing stand, a heel-support provided with a guide-stem, a yoke slidably fitted to said stem, a heel-clamp carried by said yoke, and a spring acting against the yoke to normally draw the heel-clamp toward the heel-support.

11. In a shoe-polishing stand, a heel-support provided with a movable heel-clamp, and a spring acting against a part of the heel-clamp to normally draw it toward the heel-support.

12. In a shoe-polishing stand, a heel-support provided with a bail, a guide-stem attached to said bail, a yoke slidably fitted to the bail and the stem, a spring acting against said slidable yoke, and a heel-clamp carried by said yoke.

13. In a shoe-polishing stand, a shoe-support comprising a sole member having a grooved shank, a heel member provided with a clip which is slidably fitted to said shank, a bail attached to the heel member and provided with fingers which fit the clip and engage with the channels of the shank, a yoke slidably fitted to the bail, a heel-clamp carried by said yoke, and a spring acting against the yoke to normally draw said heel-clamp toward the heel member.

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

ROBERT GEDDIE POLSON.

Witnesses:

FRANCIS E. BOUCK,
FRED W. WATKINS.