Sept. 4, 1951 R. H. DAVID 2,566,656

SHOE CLAMPING DEVICE

Filed April 17, 1946

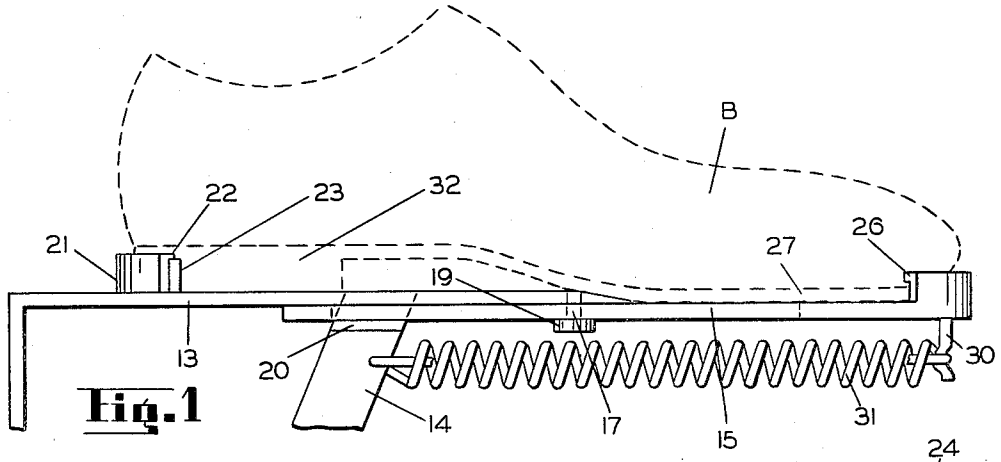


Fig. 1

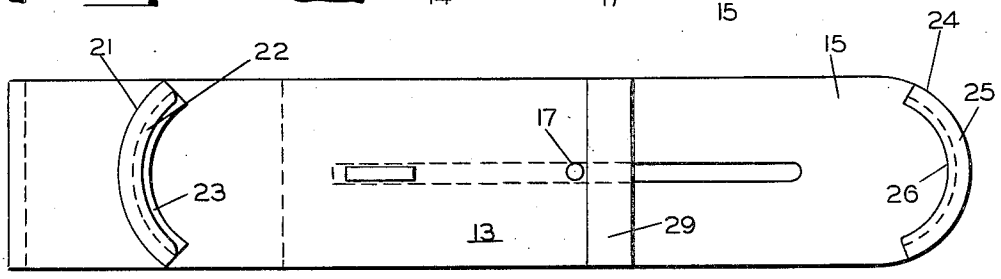


Fig. 2

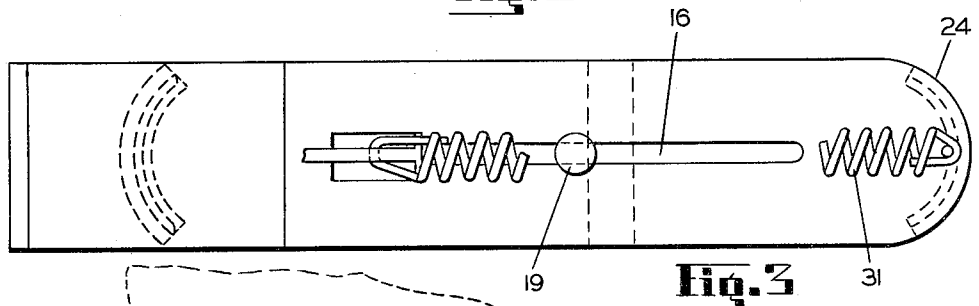


Fig. 3

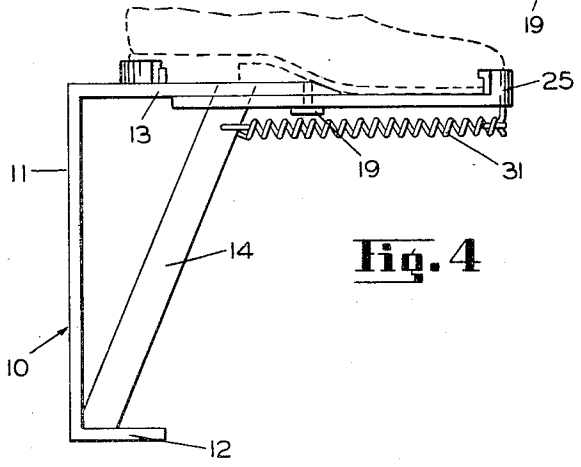


Fig. 4

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SHOE CLAMPING DEVICE

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2 Claims. (Cl. 15—267)

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My invention relates to an improvement in shoe support, wherein it is desired to provide a device which will securely hold a shoe while it is being shined or polished.

It is often convenient to shine shoes while they are not being worn. However, it is often difficult to properly support the shoe during the shining operation. It is the object of the present invention to provide a device for rigidly holding the shoe so that virtually every portion thereof is accessible for shining.

A feature of the present invention resides in providing a clamping device capable of clamping shoes of various sizes. The same apparatus may be employed without adjustment or change to accommodate shoes of virtually any common size.

A feature of the present invention resides in providing two clamping elements, each of which is engageable with one end of a shoe and which elements are drawn together by a spring. The clamping elements are spread sufficiently to accommodate the shoe and the spring holds the clamping devices in shoe clamping position during the polishing operation.

A feature of the present invention resides in providing a shoe supporting clamp which engages the forward end of the sole of the shoe in a manner to pull the forward end of the sole downwardly. The soles of shoes usually are curved and when resting upon a flat surface the tips of the shoes are somewhat elevated. As a result the leather rearwardly of the toe cap usually wrinkles to some extent. In order to properly shine the shoes, it is desirable to hold the sole of the shoe sufficiently flat to remove these wrinkles. My clamping device engages over the sole of the shoe at the forward end thereof, holding the sole down during the shoe polishing operation.

These and other objects and novel features of my invention will be more clearly and fully set forth in the following specification and claims.

In the drawings forming a part of my specification:

Figure 1 is a side elevational view of my shoe supporting device showing the construction thereof.

Figure 2 is a top plan view of my shoe clamping device showing the construction thereof.

Figure 3 is a bottom plan view of my shoe supporting device, portions of the same being broken away to better illustrate the construction.

Figure 4 is a complete side elevational view of my device.

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The shoe clamping device includes a supporting bracket 10 including a vertical post 11, a horizontal flange 12, and a substantially horizontal top member 13. A supporting brace 14 extends from the juncture of the vertical post 11 and horizontal flange 12 to a point on the top clamping bar 13 spaced substantially from its juncture with the vertical support 11.

A clamping bar 15 is slidably connected to the bar 13. The clamping bar 15 underlies the bar 13 and extends in overlapping contacting relation therewith. The bar 15 is longitudinally slotted at 16 as best illustrated in Figure 3 of the drawings. The slot 16 embraces the upper extremity of the brace 14 and the clamping bar 15 is guided thereby.

A bolt or rivet 17 extends through the slot 16 and is anchored in the bar or strip 13 near the forward end thereof. The bolt 17 is provided with an enlarged head 19 which underlies the bar 15 and helps to support this bar. Shoulders 20 are likewise provided on the brace 14 beneath the bar 15 to assist in slidably supporting this bar.

A curved plate 21 is supported upon the upper surface of the clamping bar 13 as illustrated in Figures 1 and 2 of the drawings. This bar 21 is preferably provided with a marginal lip or flange 22 extending forwardly therefrom. A curved block of rubber 23 or other suitable cushioning material is secured to the curved bar 21, this rubber block 23 extending forwardly of the front edge of the lip 22. The lip 22 assists in holding the rubber block 23 in proper position as illustrated.

The forward end of the bar 15 is arcuated as illustrated by the numeral 24. A curved strip or flange 25 extends upwardly from the curved edge 24. A marginal lip 26 is provided at the upper extremity of the flange 25, this lip being designed to engage over the upper surface of the sole 27 of the shoe B. The lip 26 is relatively thin so as to expose the leather of the toe cap of the shoe, while at the same time holding the sole of the shoe relatively flat against the surface of the bar 15.

The forward end of the clamping bar 13 is tapered as illustrated at 29 so that the sole 27 of the shoe can fit against the bar 15 to the best advantage. This taper 29 is particularly desirable when relatively short shoes are being clamped.

A pin or post 30 extends downwardly from the forward end of the bar 15 to support one end of the spring 31, the other end of which is anchored to the brace 14. The spring 31 urges the

clamping bar 15 into maximum overlapping relation with the bar 13 for holding a shoe clamped between the curved clamping bars or flanges 21 and 25.

The operation of my clamp is believed obvious from the foregoing description. The forward end of the shoe sole 27 is engaged with the flange 25, the lip 26 engaging over the sole. The shoe is pulled forwardly so that the bar 15 slides relative to the bar 13 until the heel 32 of the shoe clears the clamping block 21. The rear end of the shoe is then lowered until the heel 32 rests upon the bar 13. The forward force is then removed, the spring 31 urging the heel of the shoe against the rubber block 23, thus clamping the shoe in place. The shoe may be removed by reversing the foregoing procedure.

In accordance with the patent statutes, I have described the principles of construction and operation of my shoe support, and while I have endeavored to set forth the best embodiment thereof, I desire to have it understood that obvious changes may be made within the scope of the following claims without departing from the spirit of my invention.

I claim:

1. A shoe support comprising a vertical supporting member, a horizontally extending arm at the lower extremity of said vertical member, a horizontally extending clamping bar at the upper extremity of said vertical member, a brace extending from said vertical member to said clamping bar at a point spaced from said vertical member, a second clamping bar in overlapped relation with said first clamping bar and projecting beyond the same, means slidably connecting said clamping bars so that said second bar may project an adjusted amount, spring means urging said clamping bars into overlapping relation, and means on each of said clamping bars engageable with one end of a shoe.

2. A shoe support comprising a pair of elongated clamping bars, means securing said bars in overlapping relation, a vertical support on one of said clamping bars, a brace connecting said vertical support to said one clamping bar at a point spaced from said vertical support, a slot in the other of said clamping bars embracing the end of said brace, means on said clamping bars engageable with the ends of a shoe, and spring means urging said last named means together.

ROGER HARRY DAVID.

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