

No. 651,628.

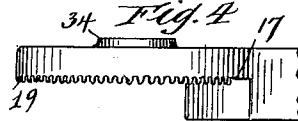
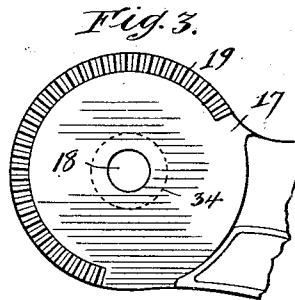
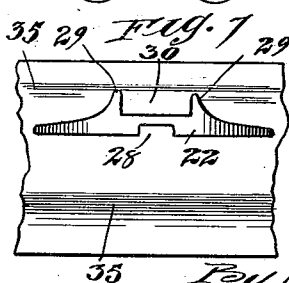
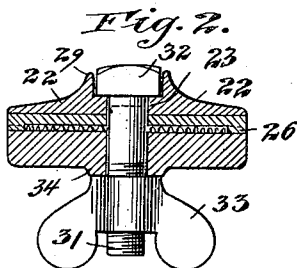
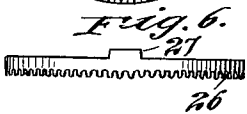
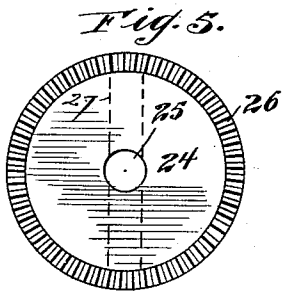
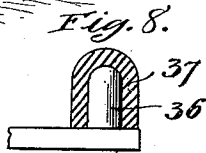
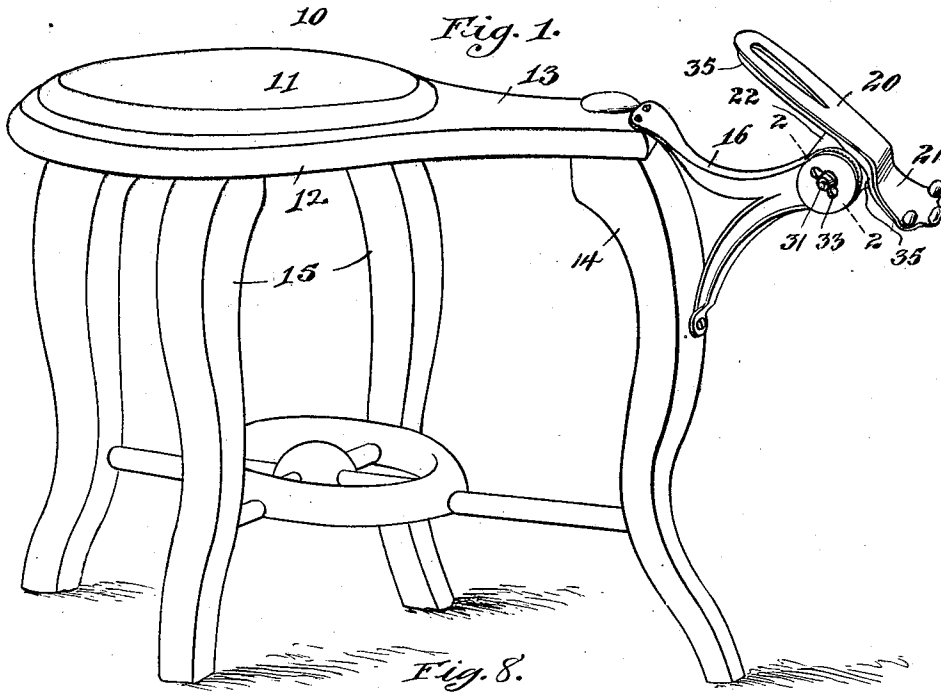
Patented June 12, 1900.

W. N. JOHNSTON.

STOOL AND FOOT REST FOR SHOE DEALERS.

(Application filed Nov. 17, 1898.)

(No Model.)



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UNITED STATES PATENT OFFICE.

WILLIAM N. JOHNSTON, OF CHICAGO, ILLINOIS.

STOOL AND FOOT-REST FOR SHOE DEALERS.

SPECIFICATION forming part of Letters Patent No. 651,628, dated June 12, 1900.

Application filed November 17, 1898. Serial No. 696,699. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM N. JOHNSTON, of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Stools and Foot-Rests for Shoe Dealers, of which the following is a specification.

This invention relates to stools and foot-rests for shoe dealers, and has for its object to provide a portable and convenient combined stool and foot-rest to be used by dealers and salesmen in the fitting on of shoes, the foot-rest whereof may be readily adjusted to any desired position through a wide range, will present the foot in proper position to the dealer or salesman, and will protect the shoe, particularly the heel or counter thereof, from injury.

To these ends my present invention consists in certain novel features which I will now proceed to describe and will then particularly point out in the claims.

In the accompanying drawings, Figure 1 is a perspective view of a combined stool and foot-rest embodying my invention. Fig. 2 is a detail sectional view thereof, taken on the line 2-2 of Fig. 1. Fig. 3 is a detail face view of the fixed clamping-plate carried by the bracket. Fig. 4 is an edge view of the same. Fig. 5 is a face view of the movable clamping-plate carried by the foot-rest. Fig. 6 is an edge view of the same. Fig. 7 is a detail bottom plan view of the sectional portion of the foot-rest, showing in end elevation the lug to which the clamping plate and bolt are connected; and Fig. 8 is a detail view of one of the heel-supporting posts or projections of the foot-rest, its covering being shown in section.

In said drawings, 10 represents the stool as a whole comprising a seat 11, the frame or rim 12 of which has a comparatively narrow neck 13, extending in a forward direction and supported at its extreme front end by a leg 14. The seat portion of the stool is supported by legs 15 of any suitable construction, and the several legs may be cross-braced in the manner shown or in any other suitable manner.

16 indicates a metallic bracket one of the diverging arms of which is secured to the front end of the extension 13 of the seat-frame, while the other diverging arm is secured at its end to the leg 14. At the point where the

two arms of the bracket 16 converge they are provided with a fixed clamping-disk 17, which is substantially on a line with or slightly below the level of the top of the stool and which is provided with a central aperture 18 and with radial corrugations 19, as clearly shown in Figs. 3 and 4.

20 indicates the foot-rest, which is shaped to conform approximately to the lower portion of the shoe, having a depressed heel portion 21 and being provided under its central or instep portion with a downwardly-extending lug 22, by means of which it may be clamped to the bracket 16, being provided with an aperture 23 to receive the clamping-bolt. The lug 22 may be clamped direct to the clamping-plate 17 of the bracket; but I prefer to employ a separate clamping plate or disk 24, having a central bolt-aperture 25 and radial corrugations 26, adapted to engage the radial corrugations 19 of the clamping-plate 17. This clamping-disk is held from rotation on the lug 22 by means of a rib on the back of the plate which engages a groove 28 on the lug. The lug 22 is provided on its outer face with parallel ribs 29, which form between them a groove or recess 30.

31 indicates a clamping-bolt, which has a polygonal head 32, which fits within the groove 30, and thereby prevents rotation of the bolt, said bolt extending through the apertures 23, 25, and 18 and being provided on its projecting threaded end with a thumb-nut 33, which bears against a boss 34 on the outer face of the clamping-plate 17.

The foot-rest 20 is provided on its under side with strengthening-ribs 35, projecting in the same direction as the lug 22. The heel portion 21 of the foot-rest is provided on its upper side with upwardly-projecting pins 36, against which the heel or counter of the shoe may rest when the foot-rest is in use, and said pins 36 are provided with a covering 37, preferably removable, of some yielding material—such, for instance, as rubber. In practice I prefer to employ rubber caps, which may be slipped over and will fit snugly upon said pins, but which may be readily removed and replaced in case of wear.

The combined stool and foot-rest thus constructed forms a convenient and portable device for the use of salesmen or dealers in the

fitting of shoes, the salesman occupying the seat, while the foot of the customer is supported directly in front of him and at a convenient height by means of the bracket, which is carried by the forward extension 13 and front leg 14 of the stool. The angle of the foot-rest may be changed by loosening the thumb-nut, and the foot-rest may be firmly secured in any position to which it may be moved by tightening said thumb-nut and causing the radial corrugations of the clamping-plates to engage or interlock with each other. The location of the pivot, around which the foot-rest is adjusted underneath the central or instep portion of the foot-rest, gives a wider range of adjustment than when the pivot is under the front or toe portion thereof and permits a better inspection of the shoe. The height of this pivot is such, being substantially on a level with the top of the stool, that the shoe is brought into better position relatively to the salesman for examination. The employment of the pins on the heel portion for supporting the shoe lessens the amount of metal in the foot-rest and correspondingly lightens the same, while at the same time it reduces the wear upon the shoe. When these pins are provided, as is preferred, with coverings of soft material, such as rubber, this wear is still further reduced, and the making of these coverings removable permits of their being readily replaced when worn out.

The provision of a separate and removable clamping plate or disk for the foot-rest proper provides for the renewal of the corrugated clamping-surface thereof when worn, and thus obviates the discarding of the entire foot-rest when this has occurred. Moreover, this provision enables me to cast the foot-rest with the lug 22 and its grooves 28 and 30, the strengthening-ribs 35, and the pins 36, since these parts all project in the same direction, and a mold for their construction may be readily made and the pattern withdrawn, while if the corrugations were cast directly upon the face of the lug it would be impossible to cast these several ribs and projections in a two-part mold, owing to the fact that the mold would have to be divided along the plane of the lug. The ribs 29 not only serve to form the groove or recess 30, but they also serve to materially strengthen the lug, which may thus be made thinner throughout, and the same is

true with regard to reduction in metal with respect to the foot-rest 20 and its strengthening-ribs 35.

I do not wish to be understood as limiting myself strictly to the precise construction hereinbefore set forth, as it is obvious that the details shown and described may be varied without departing from the principle of my invention.

I claim—

1. A stool having a narrow forward extension of its seat portion and a supporting-leg at its end, in combination with a bracket supported on said forward extension and leg, and a foot-rest adjustably pivoted to said bracket, substantially as described.

2. A stool having a narrow forward extension of its seat portion and a supporting-leg at its end, in combination with a bracket supported on said forward extension and leg, and a foot-rest adjustably pivoted to said bracket, the pivotal point being located some distance in front of and substantially on a level with said extension and beneath the central or instep portion of the foot-rest, substantially as described.

3. A stool having a narrow forward extension of its seat portion and a supporting-leg at its end, in combination with a V-shaped bracket having one arm connected to the seat portion and the other to said leg, and a clamping-plate formed at the junction of said arms, a foot-rest provided with a downwardly-extending lug, and a clamping-bolt having a nut and passing through said clamping-plate and lug, substantially as described.

4. The combination, with a foot-rest having a depending lug with a groove or recess on each face, of a separable clamping-disk having a rib to engage the groove on the inner face of the lug and provided with radial corrugations on its other face, a supporting-bracket having a clamping-plate correspondingly corrugated, a bolt having a head to engage the recess in the outer face of the lug and passing through suitable apertures in the lug, disk and plate, and a clamping-nut mounted on the threaded end of the bolt to bear against the outer face of the clamping device, substantially as described.

WILLIAM N. JOHNSTON.

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