

(No Model.)

2 Sheets—Sheet 1.

G. DORWART.

PEGGING JACK.

No. 372,132.

Patented Oct. 25, 1887.

Fig. 1

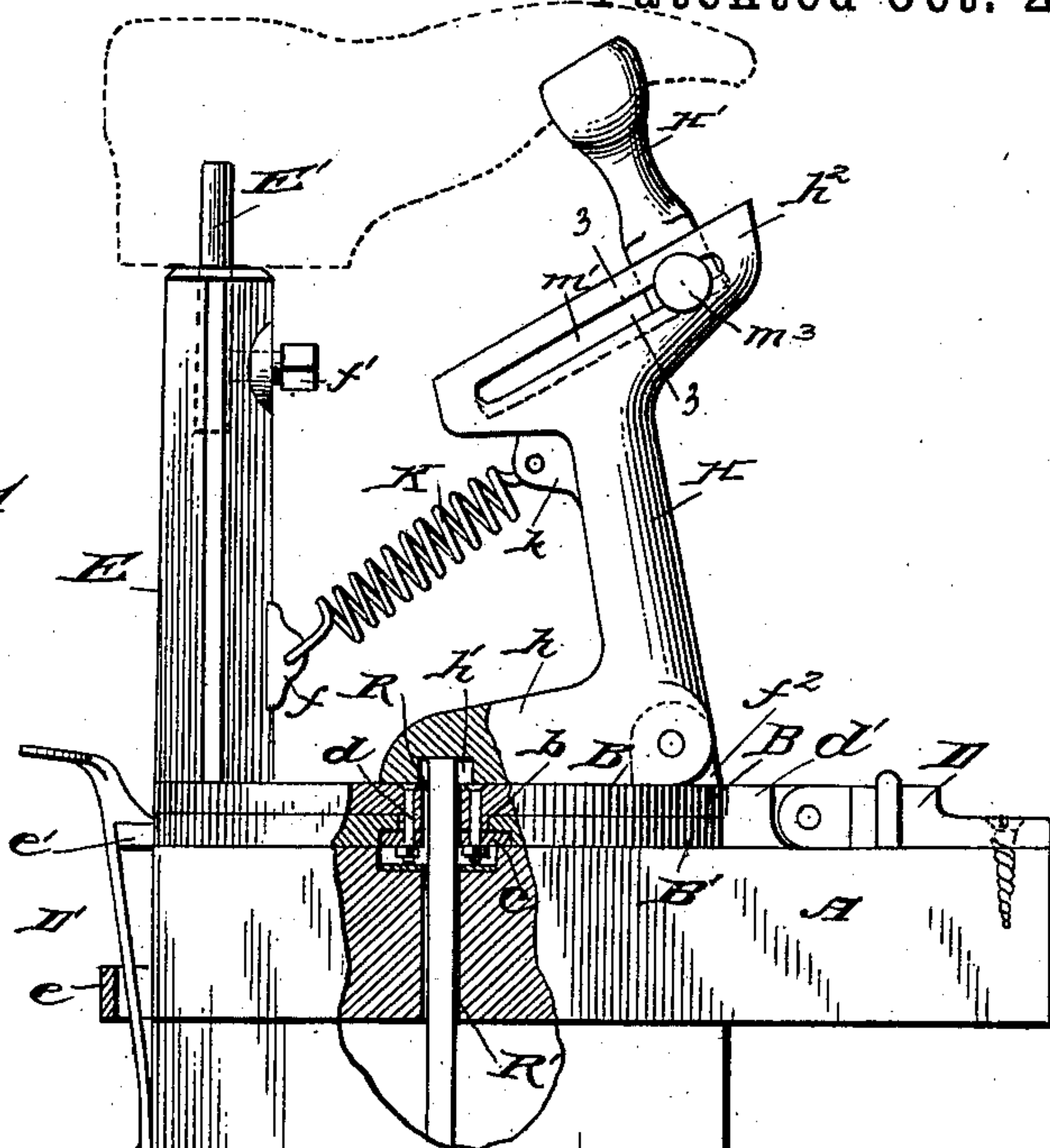


Fig. 3.

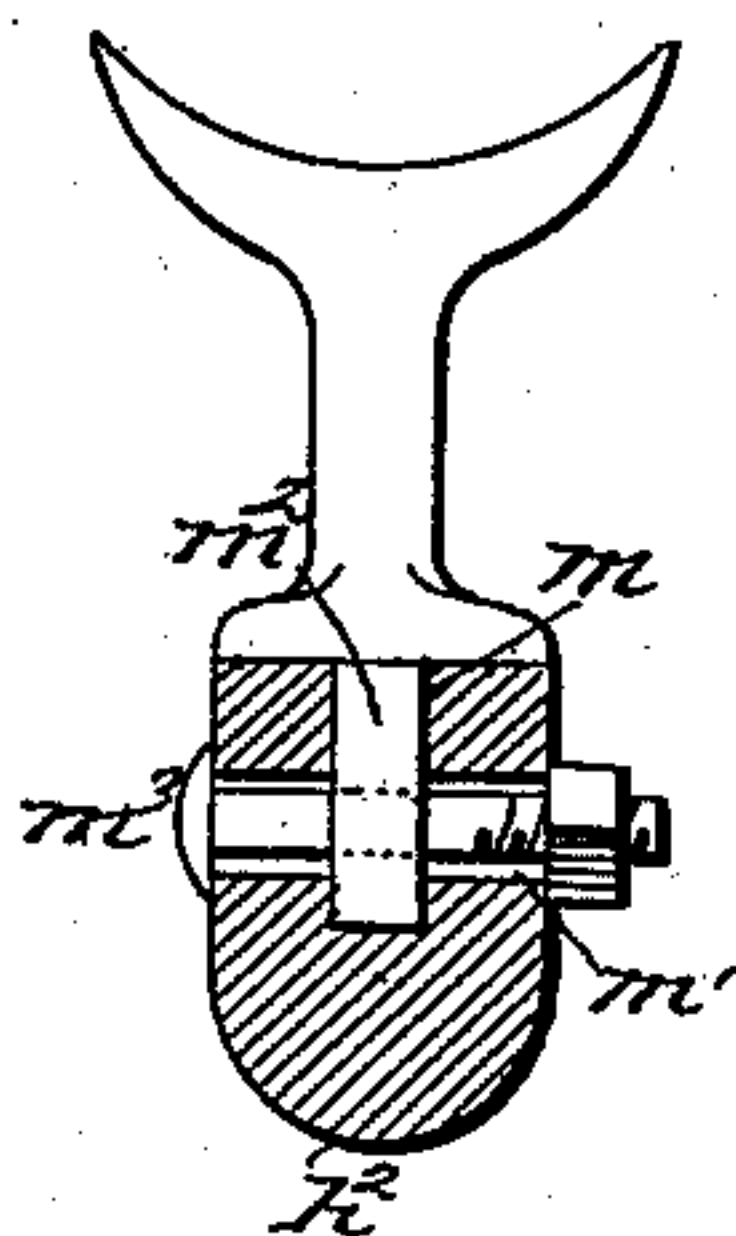
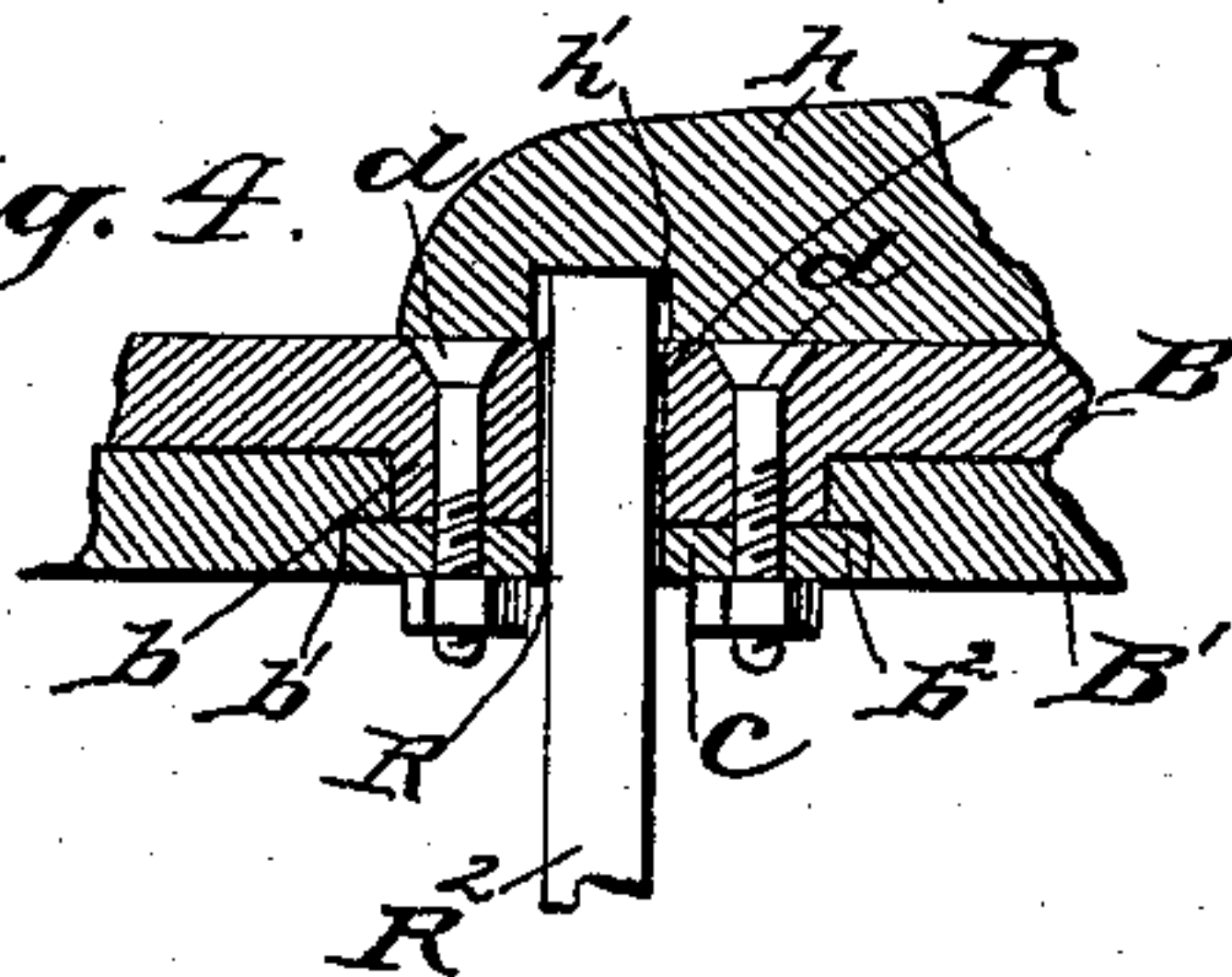


Fig. 4.



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PEGGING-JACK.

SPECIFICATION forming part of Letters Patent No. 372,132, dated October 25, 1887.

Application filed July 25, 1887. Serial No. 245,218. (No model.)

To all whom it may concern:

Be it known that I, GEORGE DORWART, of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented a new and Improved Jack for Pegging, Heeling, and Finishing Boots and Shoes, of which the following is a full, clear, and exact description.

My invention relates to an improvement in jacks for pegging, heeling, and finishing boots and shoes, and has for its object to provide a device wherein the last will be securely supported, and wherein, also, the last may be held in an inclined, horizontal, or vertical position, or revolved in an inclined or horizontal position, whereby the work of pegging, heeling, or finishing a boot or shoe is greatly expedited.

The invention consists in the construction and combination of the several parts, as will be hereinafter fully set forth, and pointed out in the claims.

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

Figure 1 is a side elevation, partly sectional, of the complete device, and Fig. 2 is a plan view thereof. Fig. 3 is a transverse section through line 3 3 of Fig. 1. Fig. 4 is an enlarged view of the sectional portion of Fig. 1. Fig. 5 is a side elevation of the rest-standard and the toe-rest attached thereto, showing two sizes of rests. Fig. 6 is a transverse section through line 6 6 of Fig. 5. Fig. 7 is a side elevation of the rest-standard, illustrating another means of attaching the toe-rest thereto, showing also two sizes of rests. Fig. 8 is a transverse section of the same on line 8 8; and Fig. 9 is a side elevation, partly sectional, of the rest-standard, illustrating another mode of securing the toe-rest, two sizes being shown, and the said standard being partly in section.

In carrying out the invention a suitable box-stand, A, is provided, and upon the afore-said stand two plates, B B', are mounted, preferably circular in form, the upper plate, B, of which is adapted to revolve upon the lower plate, B'. This is usually effected by causing a central circular lug, b, to be cast integral with the lower side of plate B, of a length equal to about half the thickness of the lower plate, B'.

In the lower plate, centrally the same, an

aperture, b', is produced, which at the top is of a diameter slightly greater than that of the lug b. Below the center of the plate, however, the aperture is enlarged, as shown in Fig. 4 and in section, Fig. 1, whereby a shoulder, b², is produced.

The lug b is made to enter the upper portion of the aperture b', and a circular plate, C, is entered the lower portion of the said aperture to a bearing against the shoulder b² and the under side of the lug b, the upper plate, B, and the circular plate C being rigidly secured to one another by means of bolts d, or equivalent means. Thus the two plates B and B' are held in contact; yet the former is readily revolved upon the latter.

The lower plate, B', is provided with a rear peripheral extension, d', hinged to a block, D, rigidly secured to the table, whereby both plates may be carried upward to a vertical position when desirable.

As a means for retaining the plates in their normal or horizontal position, a spring-catch, D', is secured to the front side of the stand, as seen in Fig. 1, limited in its outward movement by a strap, e, the said catch being adapted to engage a lip, e', integral with the lower plate, as illustrated in Fig. 1.

A post, E, is cast integral with or attached to the outer face of the upper plate at or near the periphery, provided with an eye, f, near the base, upon the inner side, and a central longitudinal aperture open at the top, in which aperture a pin, E', is adjustably held by a set-screw, f', penetrating in the inner side of the post to a bearing upon the pin. Opposite the post E upon the upper plate, and near the periphery, a lug, f², is cast, upon which lug is pivoted a standard, H, adapted to carry the toe-rest H'. The said standard is provided at the base with an inwardly-projecting integral arm, h, of a length sufficient to pass the center of the plate B, upon which it rests, having at the said central point upon the under side a recess, h', produced as shown in Fig. 1.

The head h² of the standard H is larger than the body, being adapted to extend outward at an angle thereto upon both sides in horizontal alignment with the post E, and the said head is also inclined upon its upper face downwardly in the direction of said post. Beneath the head upon the inside of the stand and an eye, k, is formed, adapted to receive

one end of a coil-spring, K, the other end of said spring being attached to the post at the eye *f*.

The toe-rest *H'*, supported upon the standard *H*, may be of the ordinary shape, as represented. The said rest is, however, capable of being detachably and adjustably attached to the head of the standard in many different ways. In the mode of attachment shown in Fig. 1 the head *h*² of the standard is slotted longitudinally and centrally the face, as at *m*, and longitudinally and horizontally the sides, as at *m'*, the two slots intersecting, as shown in Fig. 3. The heel of the rest *H'* is provided with a central rectangular projection, *m*², adapted to enter and slide in the slot *m*, and the said rest is held in a fixed position by a headed bolt, *m*³, passing through the projection *m*² and through the slot *m'*, and a nut screwed upon said bolt.

In the form of attachment shown in Figs. 5 and 6 the head of the standard *H* is provided with a longitudinal groove, *n*, upon each side, parallel with and near to the face, and the rest *H'* is provided with a recess, *n'*, in the heel, whereby it is passed over the head *h*², and inwardly-projecting lugs *n*² in said recess, adapted to slide in the grooves *n*, the rest being held in rigid position by a set-screw, *n*³, passing through the base to a bearing upon the face of the head *h*².

In the mode of attachment illustrated in Figs. 7 and 8 an inverted-T-shaped longitudinal groove, *o*, is cut in the face of the head *h*², and the heel or base of the rest is provided with a substantially inverted-T-shaped projection, *o'*, adapted to enter and slide in said groove, the rest being fastened by a set-screw, *o*², passing through the end of the projection *o'* to a bearing upon the head *h*² within said groove.

In Fig. 9 the face of the head *h*² of the standard *H* is provided with a series of rectangular inclined recesses, *p*, and the rest is provided at the base with similarly-shaped projections *p*, adapted to enter said recesses.

Centrally the two plates *B B'*, and in alignment with the recess *h'*, an aperture, *R*, is formed; likewise an aligning-aperture, *R'*, in the bed of the stand. Through these apertures, and in contact with the arm *h* of the standard *H*, a rod, *R*², is projected, having a bearing at the lower end upon a treadle-plate, *S*, which treadle is adapted to project out from beneath the stand at the side to which the plates are hinged. The treadle immediately below the cup *r* at the inner end, in which the rod *R*² is held, is provided with a rubber cushion, *r'*. It will be thus seen that when a last is positioned upon the post and rest, as in Fig. 1, for either pegging, finishing, or heeling, the workman may turn the same horizontally in any direction, place it in a vertical position, specially desirable in heeling and finishing, or by pressing upon the treadle raise the arm *h* of the standard and thereby give an elevation to the last, which will return to its nor-

mal or horizontal position when the foot is removed from the treadle.

While two rests are shown as attached to the standard in Figs. 5, 7, and 9, but one is used in practice, the purpose being to illustrate two sizes and different positions upon the standard.

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

1. The combination, with a hinged plate, *B'*, the plate *B*, attached thereto and revoluble thereon, and the post *E*, of the spring-actuated pivoted standard *H*, the adjustable toe-rest *H'*, attached to said standard, and means, substantially as described, for actuating said standard.

2. The combination, with the hinged plate *B'*, the plate *B*, attached thereto and revoluble thereon, and the post *E*, provided with an adjustable pin, *E'*, of the spring-actuated standard *H*, pivoted to the plate *B*, provided with a head, *h*², inclined downward in alignment with the said post, the toe-rest adjustably and detachably attached to said head, and means for elevating said standard, substantially as shown and described.

3. The combination, with the hinged plate *B'*, the plate *B*, attached thereto and revoluble thereon, and the post *E*, provided with an adjustable pin, *E'*, of the standard *H*, pivoted to said plate *B*, provided with an inwardly-projecting arm, *h*, having a recess, *h'*, an inclined head, *h*², carrying an adjustable toe-rest, *H'*, a spring, *K*, connecting said standard and post, the hoist-rod *R*², and means for manipulating said rod and standard, substantially as shown and described.

4. The combination, with the stand *A*, the plate *B'*, hinged to said stand, provided with a lip, *e'*, and the spring-catch *D'*, adapted to engage said lip, of the plate *B*, attached to the aforesaid plate *B'* and revoluble thereon, the post *E*, provided with an adjustable pin, *E'*, the spring actuated standard *H*, pivoted to said revoluble plate *B*, having an inclined head and carrying an adjustable toe-rest, *H'*, and means for elevating said standard, substantially as herein shown and described.

5. The combination, with the stand *A*, the plate *B'*, hinged to said stand, provided with the lip *e'*, and the spring-catch *D'*, adapted to engage said lip, of the plate *B*, attached to and adapted to revolve upon the plate *B'*, and post *E*, attached to said revoluble plate *B*, provided with an adjustable pin, *E'*, the standard *H*, pivoted to the plate *B* opposite said post, provided with the recessed base-arm *h* and the downwardly-inclined head *h*², the toe-rest *H'*, adjustably secured to said head, the spring *K*, uniting the said post and standard, and means for raising said standard, substantially as shown and described.

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Witnesses:

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