

(No Model.)

J. R. SCOTT.

CLAMP FOR PREPARING LIFTS FOR BOOT OR SHOE HEELS.

No. 455,121.

Patented June 30, 1891.

Fig. 1.

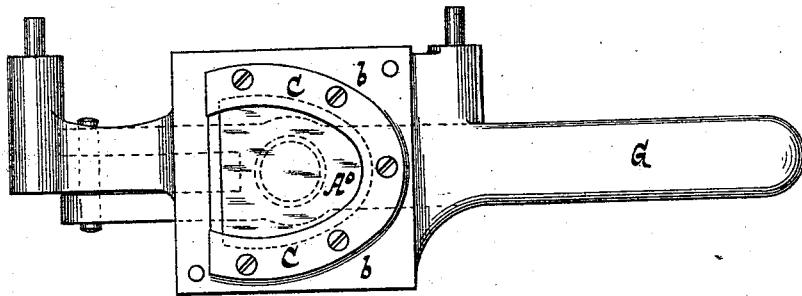


Fig. 2.

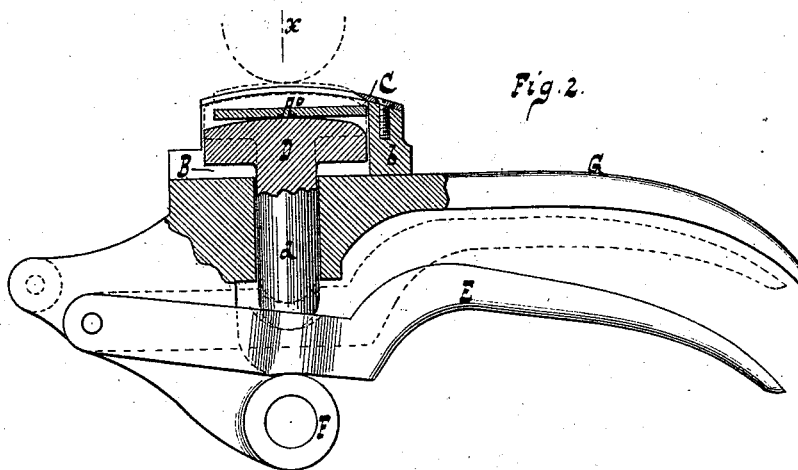


Fig. 3.

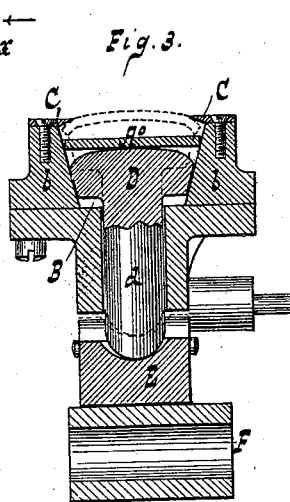


Fig. 5.

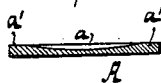
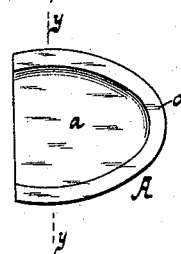


Fig. 4.



WITNESSES:

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JACOB R. SCOTT, OF NEW YORK, N. Y.

CLAMP FOR PREPARING LIFTS FOR BOOT OR SHOE HEELS.

SPECIFICATION forming part of Letters Patent No. 455,121, dated June 30, 1891.

Application filed April 2, 1891. Serial No. 387,374. (No model.)

To all whom it may concern:

Be it known that I, JACOB R. SCOTT, a citizen of the United States, residing at New York, in the county and State of New York, have invented new and useful Improvements in Clamps for Preparing Lifts for Boots or Shoes, of which the following is a specification.

The object of this invention is a clamp whereby the operation of preparing lifts for boot or shoe heels is greatly facilitated.

The peculiar and novel construction of my clamp is pointed out in the following specification and claim, and illustrated in the accompanying drawings, in which—

Figure 1 represents a plan or top view. Fig. 2 is a side elevation, partly in section. Fig. 3 is a transverse section on the plane x , Fig. 2. Fig. 4 is a plan view of a lift when finished. Fig. 5 is a transverse section in the plane y , Fig. 4.

The lift A, Figs. 4 and 5, is prepared from a blank of sole-leather of uniform thickness, the contours of which correspond to the lift A by forming in said blank the cavity or depression a .

The object of my invention is to facilitate the operation of forming this cavity, and I use for this purpose a box B, which is open at one end and provided with a vertical wall b , the inner circumference of which corresponds with the curved portion of the blanks to be acted upon. On the top of the wall b is firmly secured a horseshoe-shaped flange C, which projects inwardly and overhangs the open space of the box B a distance equal to the width of the flat portion a' of the lift A, Fig. 4. Into the box B is fitted the reciprocating plunger D, having a convex top surface and a pendent stem d , which at its lower extremity rests upon a pivoted hand-lever E, so that by the action of said lever the plunger can be forced upward to the position shown in dotted lines in Figs. 2 and 3. After a blank A⁰ has been adjusted upon the upper convex surface of the plunger said plunger is forced up, so as to bring the blank into the position shown in dotted lines in Figs. 2 and 3. By inspecting these figures it will be seen

that a portion of the blank is raised up above the level of the flange C, and by removing this raised portion the desired cavity a is formed in the blank.

Any suitable knife may be used for the purpose of removing the raised portion of the blank, and the knife may be depressed upon the blank, or the box B, which carries the blank, may be pressed toward the knife. In the example shown in the drawings the surfaces of the flange C and of the plunger D form segments of concentric cylinder-shells, the common axis of which coincides with the axis of the socket F, so that the box B can be made to swing on a pivot placed into this socket, and while being swung the blank can be exposed to the action of a rotating knife. For this purpose the box B is provided with a handle G, which extends over the lever E, so that by grasping the handle and the lever the plunger D can be forced up and the box can be moved under the knife.

In the present instance the handle G constitutes a supporting-frame for the box B; but I do not confine myself to this particular support for the box.

What I claim as new, and desire to secure by Letters Patent, is—

The combination of a support, the box B, mounted on the support and having the vertical wall b , the flange C, secured to the top edge of the wall and overhanging the open space of the box, the reciprocating plunger D, arranged and moving in the box and having a pendent stem d sliding rectilinearly in and supported by a part of the box, and the pivoted swinging lever E, bearing against the lower extremity of the plunger-stem for elevating the latter to force a heel-lift upwardly and bulge its center through the open space bound by the inner edge of the overhanging flange, substantially as described.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

J. R. SCOTT.

Witnesses:

WM. C. HAUFF,
E. F. KASTENHUBER.