

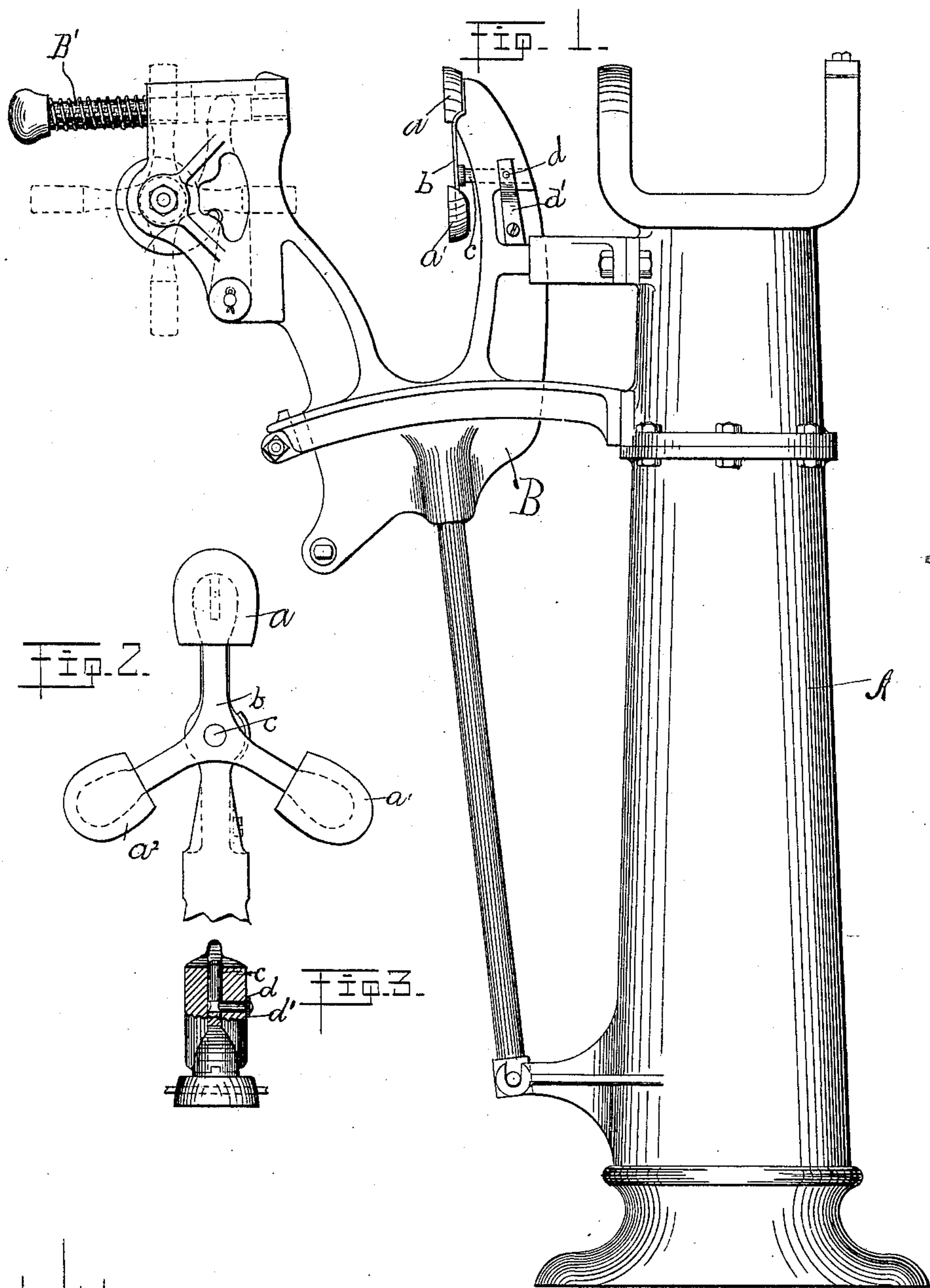
(No Model.)

2 Sheets—Sheet 1.

C. J. ADDY.
HEEL BURNISHING MACHINE.

No. 432,471.

Patented July 15, 1890.



Witnesses,
Arthur O. Davis
Frederick L. Emery—

Inventor,
Charles J. Addy,
By Crosby & Morgan
Attys

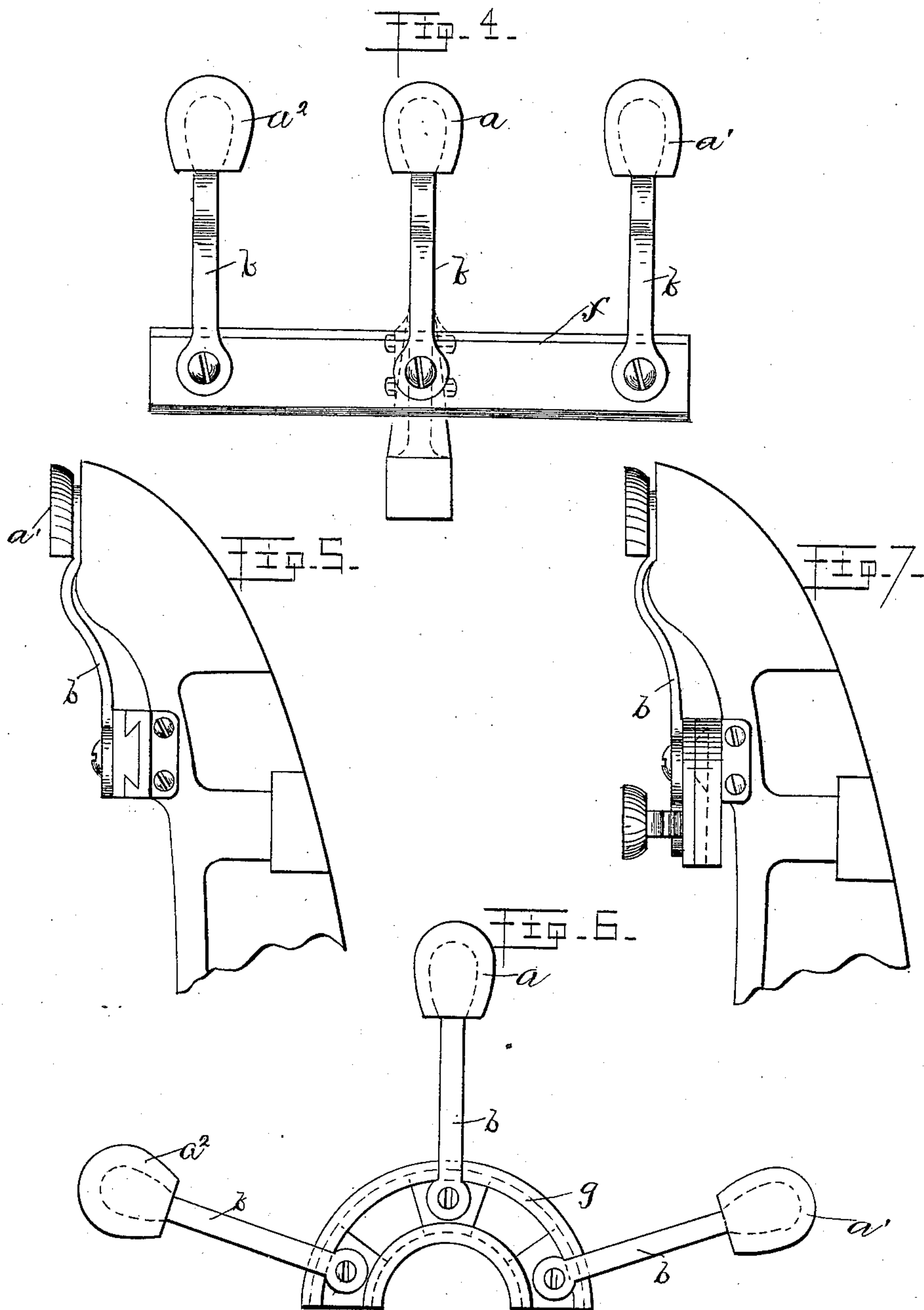
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UNITED STATES PATENT OFFICE.

CHARLES J. ADDY, OF MALDEN, ASSIGNOR TO THE TAPLEY MACHINE COMPANY, OF BOSTON, MASSACHUSETTS.

HEEL-BURNISHING MACHINE.

SPECIFICATION forming part of Letters Patent No. 432,471, dated July 15, 1890.

Application filed February 10, 1890. Serial No. 339,827. (No model.)

To all whom it may concern

Be it known that I, CHARLES J. ADDY, of Malden, county of Middlesex, State of Massachusetts, have invented an Improvement in Heel-Burnishing Machines, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

My invention is shown as embodied upon that class of heel-burnishing machines known as the "Tapley," and illustrated in United States Patent No. 328,371, and many others.

In burnishing heels of boots and shoes it is necessary that the top lift of the heel shall bear against a rest which is of exactly the same size and shape as the top lift, so that there can be no uneven finish or burr formed on the top lift of the heel. In view of this necessity the rests for the heels are detachable, different rests being used for each different size or shape of heel. As it is necessary to change rests many times an hour, I have deemed it a necessity to devise some means by which the time of the operator can be saved as much as possible; hence I have arranged a series of rests of different sizes and shapes on a carrier or frame, so that by simply moving the said carrier or frame a new rest is presented in proper position for use. Two or more rests may be arranged on a single carrier or frame, although I consider three a good number. The carrier or frame may be pivotally connected to or arranged on the jack, or may be connected to or arranged on the jack in any other desirable way.

Figure 1 shows in side elevation a sufficient portion of a heel-burnishing machine of the class described to illustrate my invention; Fig. 2, a front view of the carrier or frame having three heel-rests mounted on it; Fig. 3, a sectional detail of a part of the jack to show the means employed to hold the carrier or frame in position; Figs. 4 and 5, front and side views of a modification to be referred to, and Figs. 6 and 7 front and side views of another modification to be referred to.

The upright or standard A for the operating parts and the boot and shoe holding jack B are all of usual construction, it hav-

ing a shoe-support B'. The heel-rests a a' a'' of different sizes and shapes, three being herein shown, are secured to a carrier or frame b , (see Figs. 1 to 3,) represented as a three-armed frame fixed to a central post or stud c . This post or stud c is placed in a hole formed in the arm of the jack and has an annular groove midway its length, which receives a pin d , arranged on a spring-acting arm d' , secured to the outside of the arm of the jack, said pin d passing through a hole in the said arm at right angles to the hole which receives the post c . This spring-acting arm simply acts to keep the carrier or frame b in place, yet permitting it to be freely rotated. When in use, one of the heel-rests is brought into suitable position, and then another, as desired, not necessitating the removal of the frame for each heel-rest, as has heretofore been the case.

Instead of arranging the heel-rests on the carrier or frame, (shown in Figs. 1 to 3,) they may be arranged on arms on a straight carrier or plate f , (see Figs. 4 and 5,) which plate is formed with a dovetailed projection adapted to enter and move in a correspondingly-shaped groove formed in the arm of the jack, said plate thereby moving horizontally. So, also, the rests may be arranged on arms secured to blocks which move in a guideway formed in the curved plate g . (See Figs. 6 and 7.) In fact, the carriage or frame may be of any other suitable form, shape, or construction, and as many heel-rests arranged on it as found to be expedient, it only being necessary that they be arranged on arms that the burnishing-tool may act on the sides of the rests.

I claim—

1. In a heel-burnishing machine, a boot or shoe holding jack having a relatively fixed shoe-support, combined with a carrier or frame arranged on said jack and adjustable with relation to said shoe-support, and two or more heel-rests of different sizes arranged on the carrier or frame, either of which is adapted to co-operate with said shoe-support, substantially as described.

2. In a heel-burnishing machine, a boot or shoe holding jack having a relatively-fixed shoe-support, combined with a carrier or

frame rotatable in front of and with relation
to said support and comprising radial arms,
and several heel-rests of different sizes ar-
ranged on said radial arms, either of which is
5 adapted to co-operate with said shoe-support,
substantially as described.

In testimony whereof I have signed my

name to this specification in the presence of
two subscribing witnesses.

CHARLES J. ADDY.

Witnesses:

BERNICE J. NOYES,
EMMA J. BENNETT.