

D. B. TIBBETTS.

Machines for Rubbing Heel-Seams.

No. 151,731.

Patented June 9, 1874.

Fig. 1.

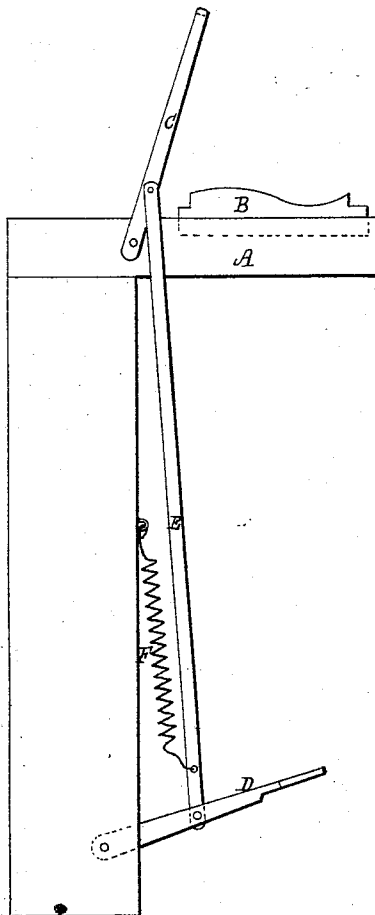
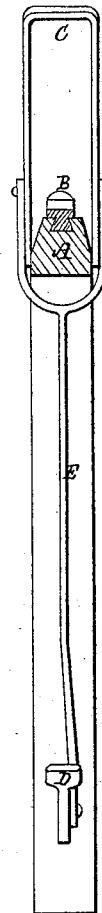


Fig. 2.



WITNESSES.

Wm. E. Potts
H. C. Boardman

Inventor.

Daniel B. Tibbets
J. Curtis, Atty.

UNITED STATES PATENT OFFICE.

DANIEL B. TIBBETTS, OF NORTH WEYMOUTH, MASSACHUSETTS, ASSIGNOR
TO HIMSELF AND AUGUSTUS BEALS, OF SAME PLACE.

IMPROVEMENT IN MACHINES FOR RUBBING HEEL-SEAMS.

Specification forming part of Letters Patent No. **151,731**, dated June 9, 1874; application filed
May 9, 1874.

To all whom it may concern:

Be it known that I, DANIEL B. TIBBETTS, of North Weymouth, Norfolk county, Massachusetts, have invented a Machine for Rubbing Heel-Seams, of which the following is a specification:

The purpose of this invention is to provide an efficient means of confining a boot or shoe upper or vamp securely in place upon a block or form while its heel-seam is being rubbed down; and consists in the employment, in combination with such form, and a suitable base or support, of a peculiar shape of a swinging yoke or frame governed by a treadle, the whole being as hereinafter explained.

In the drawings accompanying this specification, Figure 1 is a side elevation, and Fig. 2 a vertical section, of my invention.

In these drawings, A represents a bar or base which, in use, is to be affixed to a bend or other suitable means of support, and of such size as to properly support the rubbing bed or block B, which is applied to it in a removable manner by a dovetailed spline and groove, or otherwise, in order to be readily changed to accommodate different sizes or styles of boots, the upper edge or surface of this bed or form B being of such curvature or outline as may be requisite. The base A is of a tapering or frusto-pyramidal shape, in cross-section, and to its rear part I pivot the lower or rear end of a yoke or clasp, C, whose inner width is somewhat greater than the narrowest width

of the base A, and somewhat less than the greatest width of such base, in order that when the clasp is brought down forcibly upon said base it shall gripe or clamp the latter with great power, or any object placed upon it. The clasp C is connected with a pedal, D, by a connecting-rod, E, and this pedal is to be pivoted to the floor below the bench, and provided with an elevating spring, F, which compels the clasp C to assume an upright position in rear of the form B until depressed by the action of the workman's foot upon the pedal.

In the operation of this machine the boot or shoe upper is placed upon or over the bar A, and with its heel-seam resting upon the top of the bed or form. The workman now forcibly depresses the pedal with his foot, and the clasp descends and confines the boot upper to the tapering bed with great power, and confines it securely in place while its heel-seam is being rubbed down and the welt trimmed off.

The device is extremely simple, durable, and effective, and will prove a valuable adjunct to boot and shoe manufacturers.

I claim—

The frusto-pyramidal or tapering base A and clasp C, in combination with the connecting-rod E and lever D, substantially as and for the purposes set forth.

DANIEL B. TIBBETTS.

Witnesses:

WILMOT CLEVERLY,
JOSIAH H. PRATT.