

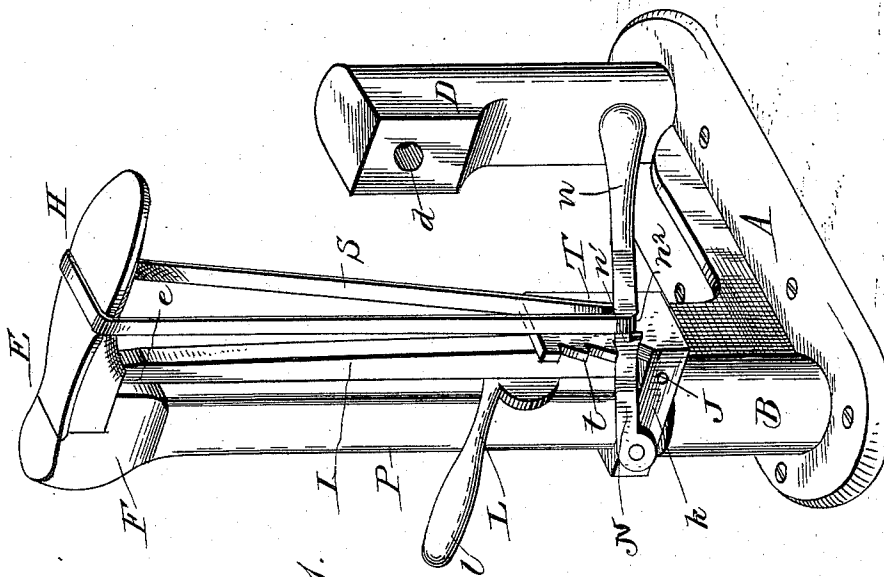
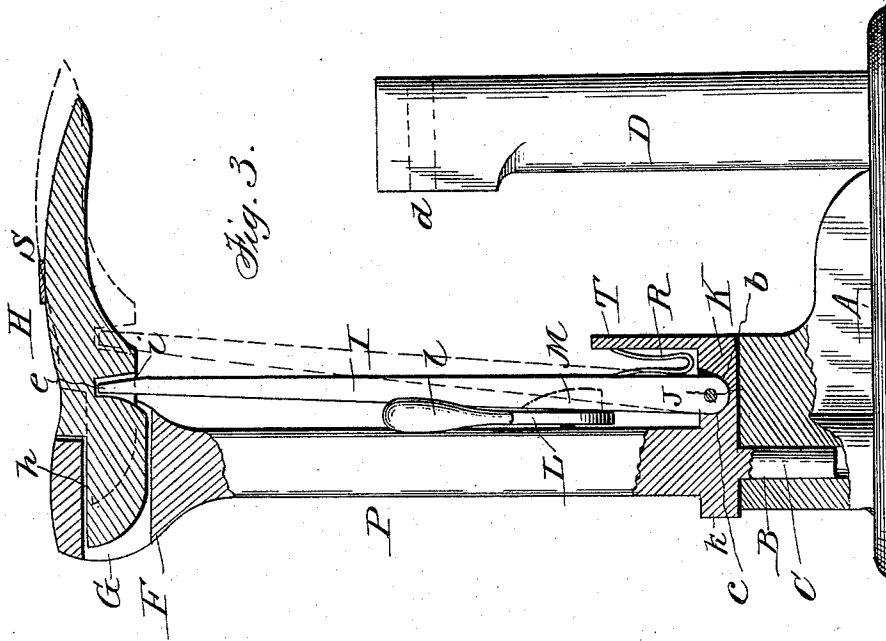
(No Model.)

2 Sheets—Sheet 1.

W. BAYHOUSE.  
SHOE REPAIRING JACK.

No. 579,251.

Patented Mar. 23, 1897.



Witnesses.

L. L. Ouyraud  
A. J. Smith

Inventor.

William Bayhouse

By *A. B. Brubaker*  
Attorney.

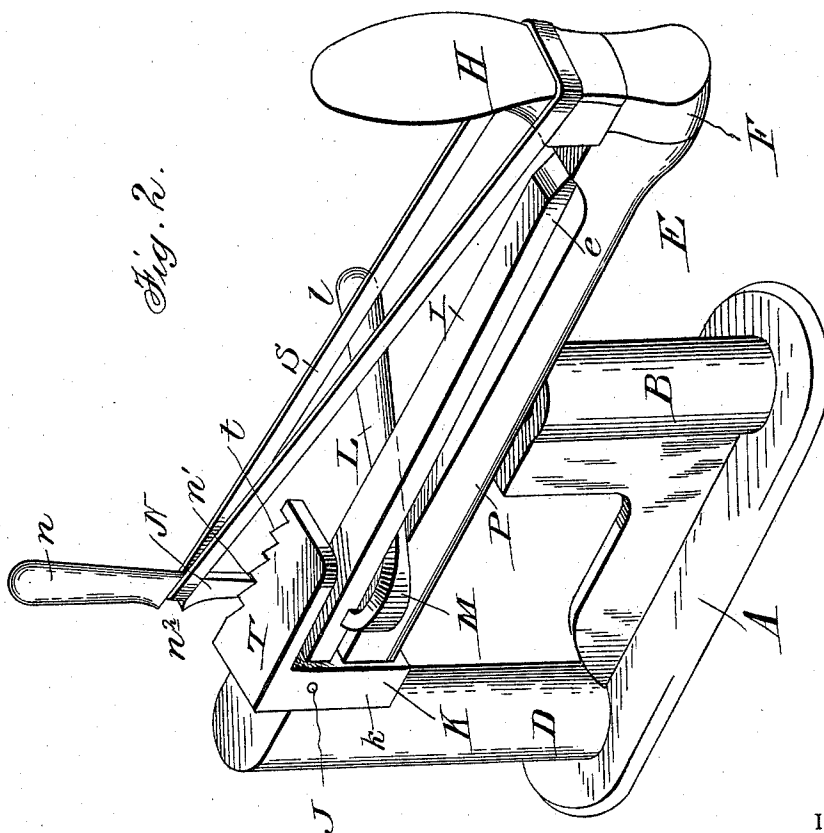
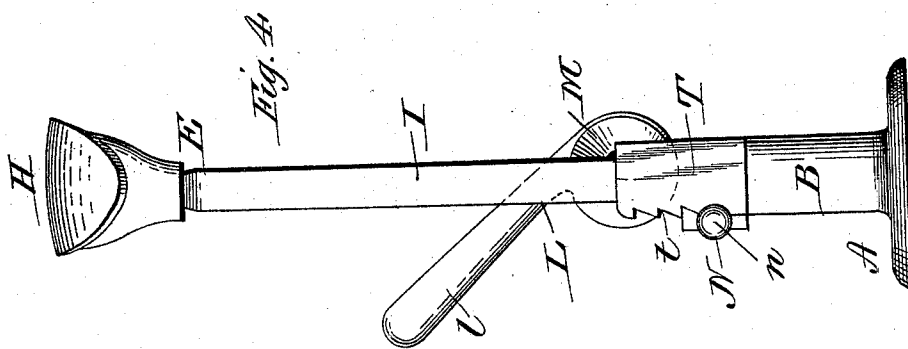
(No Model.)

2 Sheets—Sheet 2.

W. BAYHOUSE.  
SHOE REPAIRING JACK.

No. 579,251.

Patented Mar. 23, 1897.



Witnesses.  
H. L. Oyrand.  
A. B. Smit.

Inventor.  
William Bayhouse.  
By *A. B. Smit*  
Attorney.

# UNITED STATES PATENT OFFICE.

WILLIAM BAYHOUSE, OF BOISE, IDAHO.

## SHOE-REPAIRING JACK.

SPECIFICATION forming part of Letters Patent No. 579,251, dated March 23, 1897.

Application filed April 28, 1896. Serial No. 589,411. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM BAYHOUSE, a citizen of the United States, residing at Boise City, in the county of Ada and State of Idaho, have invented certain new and useful Improvements in Shoe-Repairing Jacks; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention has relation to boot and shoe jacks for shoemakers; and the object is to provide a device of this class principally intended for repairers' use, though new work may be finished upon it, that will be simple and cheap in construction and very convenient and reliable in operation; and to these ends the novelty consists in the construction, combination, and arrangement of the several parts of the same, as will be hereinafter more fully described, and particularly pointed out in the claims.

In the accompanying drawings the same letters of reference indicate like parts of the invention.

Figure 1 is a perspective view of my improved jack as it appears set up ready for use on nailed or pegged work. Fig. 2 is a similar view of the same adjusted for sewed work or in position for trimming and finishing the soles and heels. Fig. 3 is a longitudinal section showing in dotted lines the manner of extending or elongating the last. Fig. 4 is a front view of the same.

A is the stand or base, and it consists of firm solid casting, having an integral socket B, in which the shank C of the jack E rests, and when in position the jack may be turned in any position on its axis in the socket for convenient access to the heel or toe of the shoe, as desired.

D is an upright standard pivoted in the rear end of the base A, so as to revolve in any direction, and the upper end of said standard is provided with a horizontal socket d, into which the shank C of the jack may be inserted, and the combined movement of the jack in the socket d and the standard in the base permits the workman to have convenient access to any part of the shoe.

The jack E consists of an upright casting

P, terminating in a heel F, having a longitudinal rectangular recess G, into which the integral tongue h of the last H adjustably slides; and on the lower face of the tongue h is a recess i, which receives the square upper end e of the vertical supporting-lever I, the lower end of which is fulcrumed on the pivot J, between the arms k k of the brace K, and the extreme lower end c of the lever I is semicircular, so that one point of the semicircular end c rests upon the shoulder b of the socket B and supports the blows upon the last H, no matter what position the lever I may be supporting the last in, as the intention is, when the jack is in use, to take all strain from the rivet or pivot J and transfer it to the shoulder b, formed integral with the base.

L is a hand-lever pivoted to the front face of the upright P, its inclined cam-face M pressing against the upright lever I, above its pivot J, so that as the handle l of the lever is operated the upper end e of the supporting-lever I will be forced outwardly, carrying with it the last. This operation varies the distance between the heel and toe of said last to enable the last to be fitted snugly in a shoe, and in practice I prefer to have the gap in the last closed, as shown by the full lines in Fig. 3. The shoe is then slipped over the last, which presses the toe portion forward into the toe of the shoe, forming a firm basis to work upon.

R is a flat V-shaped spring located between the rack T and the lever I, above its fulcrum, and serves to press said lever in toward the upright P and keep said lever I against the cam-face M of the hand-lever L at all times.

A side lever N is fulcrumed to the brace K at one side, and it extends forward, terminating in a handle n. A portion of the side of this lever is cut away to form a pawl n', which engages with the teeth t on the rack T, and a looped strap S is secured to said lever in the recess n<sup>2</sup>, its upper looped end extending around the instep of the shoe to hold it in place on the last.

Although I have specifically described the construction and relative arrangement of the several elements of my invention, I do not desire to be confined to the same, as such changes or modifications may be made as

clearly fall within the scope of my invention without departing from the spirit thereof.

Having thus described my invention, what I claim, and desire to secure by Letters Patent of the United States, is—

1. A repairing-jack of the class described, consisting of the base A, having a rigid socket B and pivoted standard D, having a horizontal socket *d* and the jack E, having the shank C, and the heel F having the rectangular recess G and the upright lever I, in combination with the last H, integral tongue *h* and recess *i* and the lever L provided with a cam-face M and an operating-handle *l*, substantially as  
15 and for the purpose set forth.

2. A repairing-jack, consisting of the upright P, integral heel F having a rectangular recess G, the upright lever I, and the cam-faced lever L M, in combination with the re-  
20 movable last H, having an integral tongue

*h* and recess *i*, and the spring R, substantially as and for the purpose set forth.

3. A repairing-jack, consisting of the base A, having rigid vertical socket B and pivoted standard D having horizontal socket *d*, in combination with the upright P, shank C, heel F, having a recess G, the last H, having tongue *h* and recess *i*, and the upright lever I, fulcrumed on the pivot J, and having a semicircular bearing end *c*, and the square upper end *e* and the cam-faced hand-lever L M and spring R, substantially as and for the purpose set forth.

In testimony whereof I hereunto affix my signature in presence of two witnesses.

WILLIAM BAYHOUSE.

Witnesses:

HARRY C. WYMAN,  
KENNEDY PACKARD.