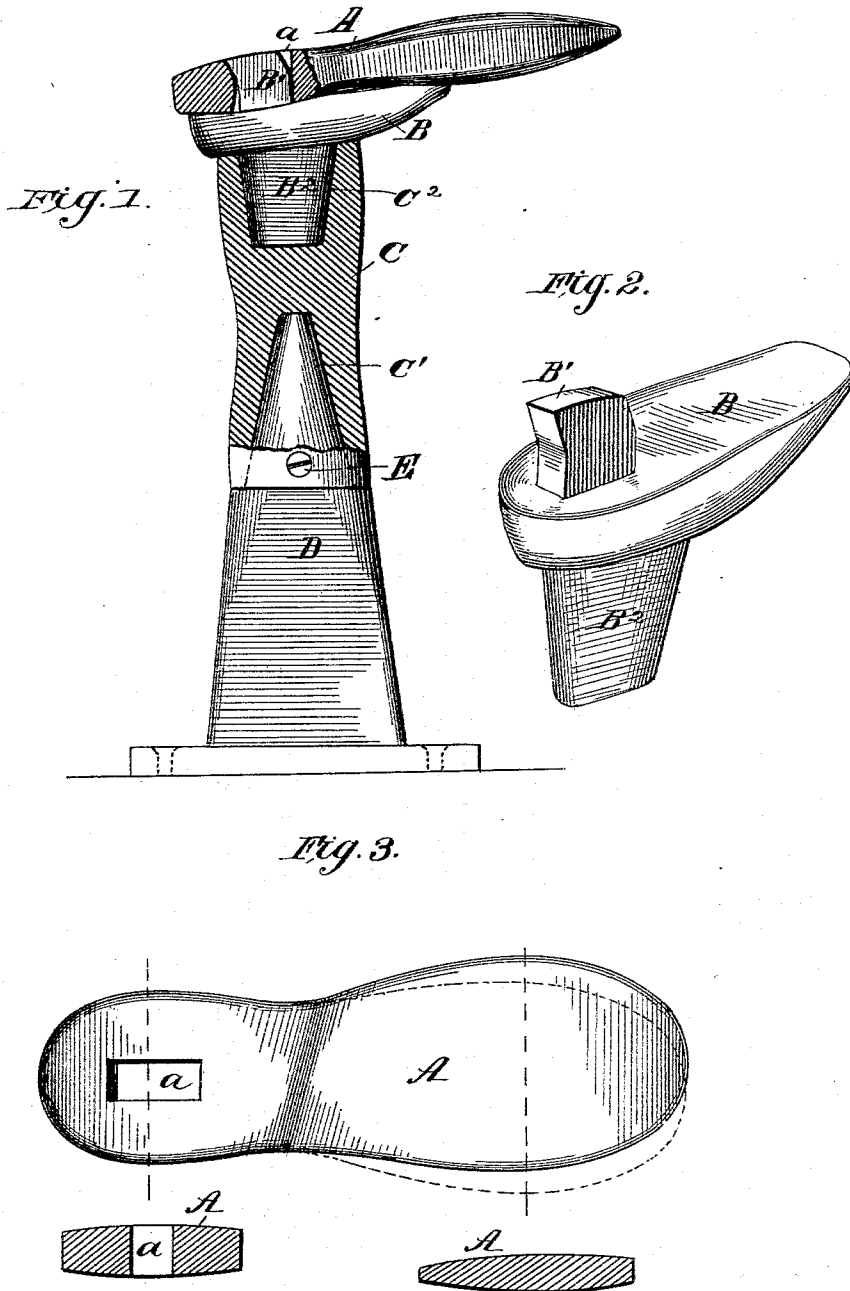


(No Model.)

J. I. E. NELSON.
BOOT OR SHOE JACK.

No. 533,823.

Patented Feb. 5, 1895.



WITNESSES:
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JOHN I. E. NELSON, OF CEDAR HOME, WASHINGTON.

BOOT OR SHOE JACK.

SPECIFICATION forming part of Letters Patent No. 533,823, dated February 5, 1895.

Application filed April 10, 1894. Serial No. 507,017. (No model.)

To all whom it may concern:

Be it known that I, JOHN I. E. NELSON, of Cedar Home, in the county of Snohomish and State of Washington, have invented a new and useful Improvement in Boot or Shoe Jacks, of which the following is a specification.

My invention is an improvement in boot and shoe jacks and has for an object a simple, cheap, light and easily adjusted device which may be easily carried from place to place, readily set up for use and will be efficient for both right and left shoes; and the invention consists in certain novel constructions and combinations of parts, as will be hereinafter described and pointed out in the claims.

In the drawings—Figure 1 is a side view of my invention, parts being broken away and others shown in section. Fig. 2 is a detail view of the instep section, and Fig. 3 represents the last in detail.

The jack comprises parts A, B, and C which for convenience of reference I term respectively the last, instep section and main stock section, the parts B and C constituting the stock.

In practice I prefer to form the last of steel and the parts B and C of a combination of iron and aluminium in order to secure lightness.

The main stock section is supported in use upon a suitable base D. This may be of wood and of the specially prepared form shown or it may be of any suitable form that is convenient. In expeditions over the mountains, &c., the base D may be a part of the stump of a tree or a stake driven in the ground or other suitable fixed part having an upwardly projecting stem to enter the socket C' in the lower end of the section C which may then be secured by a screw E as shown. In its upper end the section C has a socket C² in which is fitted the tenon B² on the under side of the instep section B so such section can be conveniently applied to and removed from the section C.

The last A has its opposite sides formed with tread surfaces and its edges conformed approximately to the foot so the last may in one position fit a right shoe and in the reverse position a left shoe, and lock devices are provided for securing the last to its support so it may be conveniently reversed. The support and lock device are preferably

those shown in which the support is the stock and the lock device is a hook like tongue B' projecting from the upper side of the instep section near its rear end and engaging a seat or socket *a* in the last near its heel. By preference this tongue B' projects somewhat to the rear so that it effectually locks the last in place especially against downward pressure or blows upon its toe end or upon the ball portion. It will be seen that the lock device is important in connection with the rounded tread surface as the latter forms a fulcrum upon the under side of the last and increases the tendency of the last to tilt downward under the blows of the hammer.

The invention is useful in studding the soles of boots for logging, mining, and mountain climbing and is of special importance in repairing and reinforcing the bottoms of rubber boots.

As before stated the last will serve for both boots and being conformed to the shape of the rights and lefts serve to hold the boots in shape in the heavy hammering incident to clinching on soles and studding the boot with hob nails.

The lightness renders the shipment of the jack economical and its ease of adjustment enables it to be conveniently carried on expeditions and to remote points where the facilities for freight carriage are limited.

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

1. The reversible last having near its rear end an opening formed entirely through it and the support having a projection fitted to enter either end of said opening and to approximately fill the same whereby the extremity or end of said projection in either position of the last will practically form a part of the tread surface of said last substantially as and for the purposes set forth.

2. The combination substantially as described of the main stock section having a socket the instep section having on its under side a tenon fitting the socket of the main section and the last having the opposite tread surface and reversible upon the instep section and a lock device by which to secure the last upon the instep portion substantially as set forth.

3. The combination with the instep section having on its upper side near its rear end an upwardly projecting tongue, the reversible last having the opposite tread surfaces and
5 provided with a socket or seat for engagement by the tongue of the instep section and a support for the instep section substantially as and for the purposes set forth.

4. The combination with the instep section
10 and a support therefor such section being provided on its upper side with a rearwardly projected hook like tongue of the reversible last having tread surfaces on its opposite sides
15 and provided near its heel end with an opening fitted to receive said hook like tongue all substantially as and for the purposes set forth.

5. A boot and shoe jack comprising the main stock section having a socket in its upper
20 per end, the instep section having on its un-

der side a tenon fitting said socket and provided on its upper side with a rearwardly projected hook like tongue and the reversible last having its opposite sides formed with
25 tread surfaces and having an opening in it near its rear end fitted to receive the hook like tongue of the instep section substantially as set forth.

6. The combination of the reversible last having tread surfaces upon its reverse sides
30 directly opposite each other and a transverse seat or socket near its rear end and the support having a projecting portion arranged to interlock in the seat or socket of said last in
35 either position of the latter, substantially as set forth.

JOHN I. E. NELSON.

Witnesses:

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