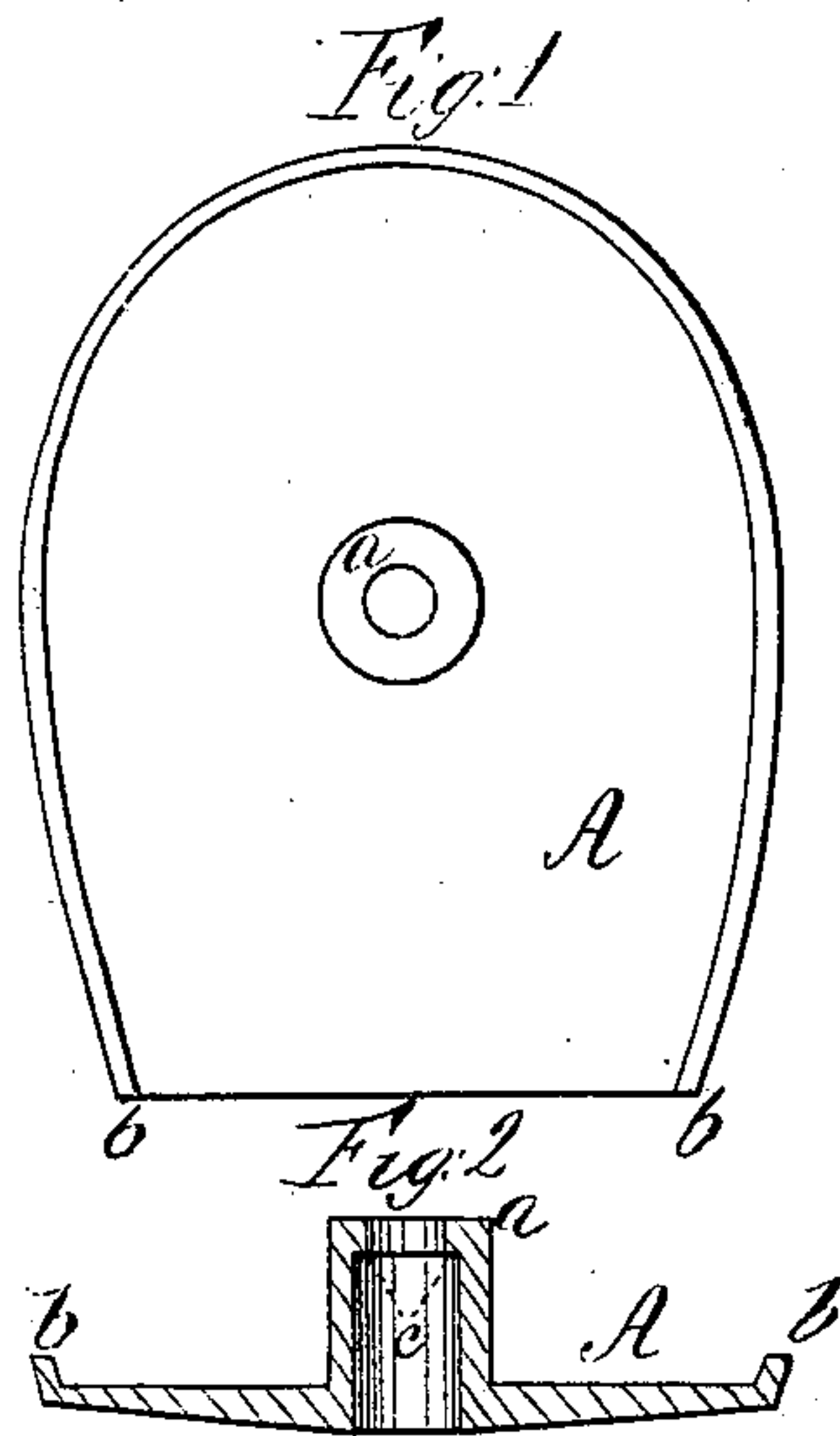


N. A. Swett,

Shoe Last,

N^o 68,466.

Patented Sep. 3, 1867.



Witnesses:

William H. Clifford
Wm. Frank Seay

Inventor

Nathl. A. Swett

United States Patent Office.

NATHANIEL A. SWETT, OF WESTBROOK, MAINE.

Letters Patent No. 68,466, dated September 3, 1867.

IMPROVED HEELING-PLATE.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, N. A. SWETT, of Westbrook, in the county of Cumberland, and State of Maine, have invented a new and useful Heeling-Plate; and I hereby declare the following to be a full, clear, and exact description thereof, which will enable others to make and use my invention, reference being made to the accompanying drawings, forming part of this specification, in which—

Figure 1 shows a top plan and view of my invention.

Figure 2 shows a transverse section, taken through the centre of the projection *a*.

My invention has for its object the production of an improved plate to be applied to the heels of lasts to facilitate the finishing and the attachment of the heels of boots and shoes. When the heels of boots and shoes are, in the manufacture of the same, to be attached, some metallic protection to the heel of the last is necessary, in order to turn up or clinch the ends and points of the nails by which the heels are so secured. This has generally been effected by means of a strip of iron in some manner attached to the heel of the last; but the effect of it has been to injure the last; and, being in itself a somewhat imperfect contrivance, it has failed to accomplish its purpose satisfactorily. My invention is intended to be so applied to a last as in use not to injure the same, and to be easily removable from one last and placed on another.

The plate proper consists of a piece of metal conformed to the shape of the heel, and having around its edge a lip or shoulder, which overlaps the edge of the heel of the last.

A shows the plate, and *b* the shoulder. *a* shows a hollow projection from the upper or inner face of the plate *A*, which projection is intended to be sunk into the corresponding indentation or recess in the heel of the last. The hollow projection *a* has, on the inside, and near the end thereof, a small shoulder, shown at *c*. These references indicate the different portions of my invention, and I will now proceed to describe its use and application.

Place the plate upon the heel of the last, with the shoulder *b* overlapping the edges of the heel, and with the projection *a* penetrating the hole in the last-heel, constructed as described for its reception. Through the hollow of the projection *a* insert a screw or other convenient article, which shall penetrate somewhat the heel of the last, and thus secure the plate. The head of the screw, &c., rests on the shoulder *c* inside of the hollow projection. Thus the plate is secured to the heel of the last by the shoulder *b*, which prevents it from turning from side to side, and by the screw above described. The residue of the space in the hollow projection *a* may be filled with a wooden plug in order to receive a nail or tack driven through the heel portion of the sole of a boot or shoe for the purpose of holding it in place. Thus, when so placed, the nails by which the heel of a boot or shoe is secured will be bent, and the interior of the boot or shoe on the heel will be smooth and free from projecting points of the nails.

I do not claim a heeling-plate broadly; for such, in a different form, has been used before; neither do I claim a metallic pan or basin, constructed for the holding of a false or movable bottom of a shoe-last, as shown in the patent of E. T. Green, October 30, 1866, No. 59,209.

My invention has relation to the hollow projection *a*, to be set into a recess in the heel of the last, and there to be secured by a screw inserted into the hole in the upper end of said projection, the hollow part of said projection then to be filled by a wooden plug. The heel of the shoe to be manufactured is then attached to the last by driving a nail through the said shoe-heel into the said wooden plug.

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

The heeling-plate *A*, when it has the lip *b*, the hollow projection *a*, and when the same is secured to a last, in the manner described and then employed, as set forth for the purposes specified.

NATHL. A. SWETT.

Witnesses:

WILLIAM H. CLIFFORD,
WM. FRANK SEAVEY.