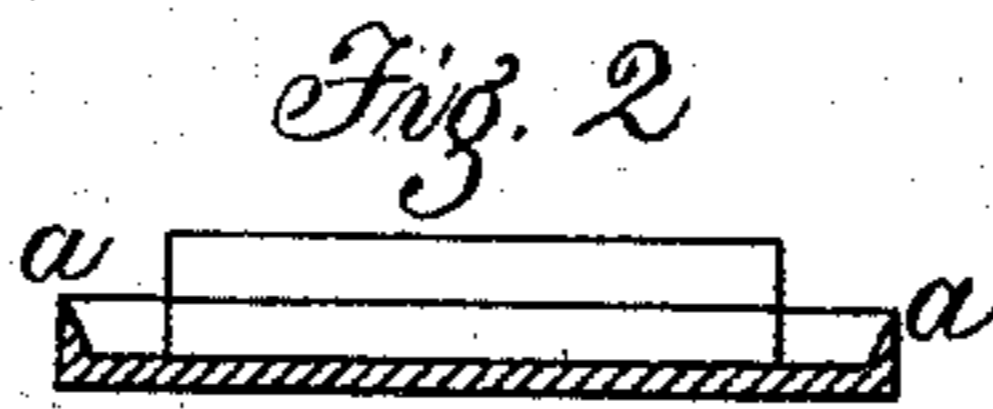
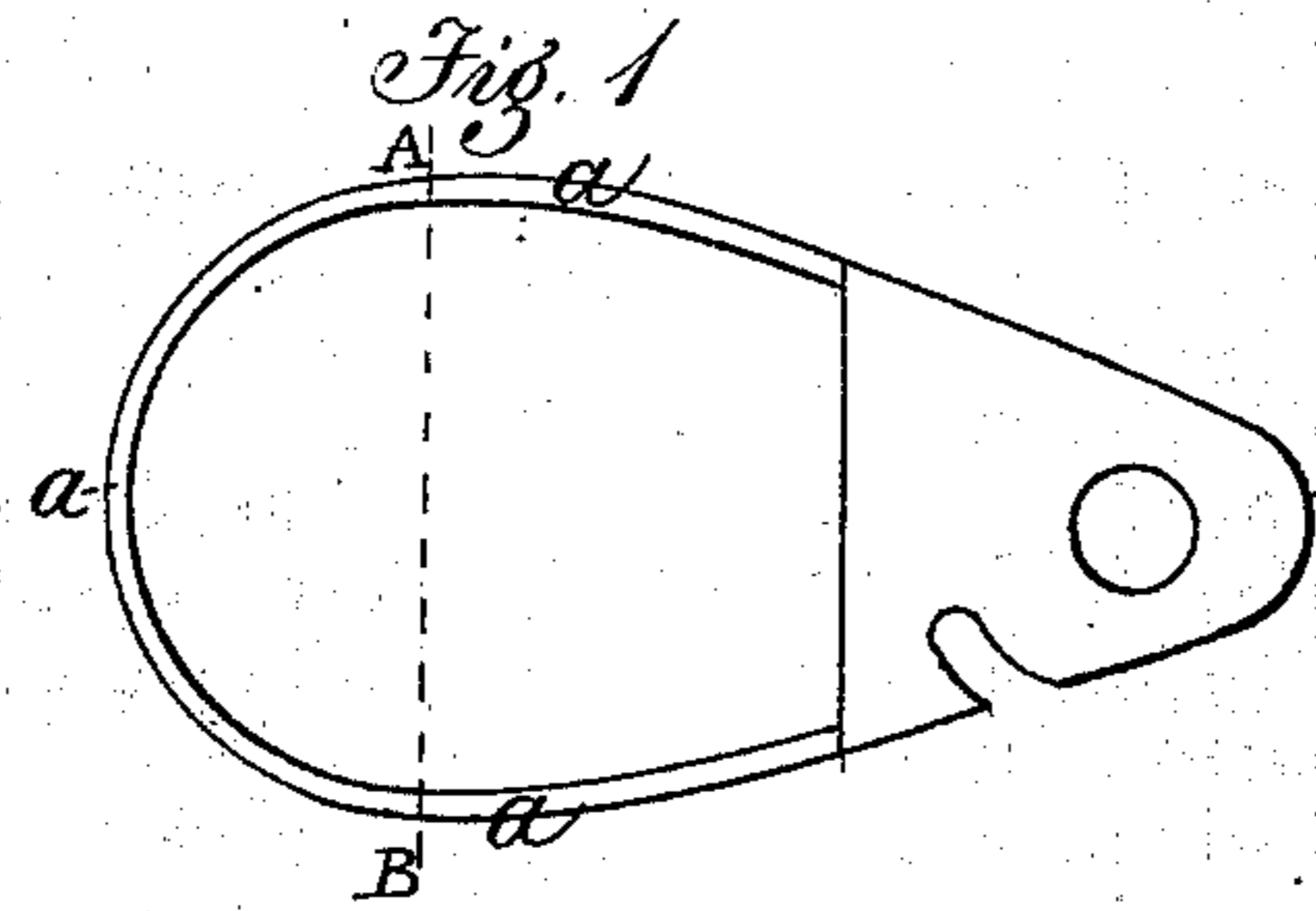


H. L. DRAKE.
Heel-Plates

No. 139,500.

Patented June 3, 1873.



Witnesses
Sam^l M. Barton
Jesse T. Wheeler

Inventor
Henry L. Drake
by his atty-
Carr & Wright.

UNITED STATES PATENT OFFICE.

HENRY L. DRAKE, OF LYNN, MASSACHUSETTS.

IMPROVEMENT IN HEEL-PLATES.

Specification forming part of Letters Patent No. **139,500**, dated June 3, 1873; application filed February 8, 1873.

To all whom it may concern:

Be it known that I, HENRY L. DRAKE, of Lynn, in the county of Essex and State of Massachusetts, have invented certain Improvements in Heel Plates, of which the following is a specification:

Figure 1 of the accompanying drawing is a top view of a top plate of a boot or shoe heeling machine, and Fig. 2 is a vertical transverse section of the same taken in the line A B.

The object of this invention is to secure a perfectly-shaped top piece to the heel of a boot or shoe in an expeditious manner, and without loss of time and labor. My improvement consists mainly in forming the top plate of a boot or shoe heeling machine, with an upper projecting cutting lip or edge, so that by the operation of the machine the top piece of the heel is trimmed perfectly true and smooth.

In the heeling-machines in use much difficulty has heretofore been experienced by the frequent failure of the knife to cut closely to the heel plate, which, together with the pressure of the heel on the plate, causes a protruding edge or lip to be formed that requires the time and labor of the operator to remove, he being obliged to go over the work and trim off the lip by hand labor, and often producing an uneven and unfinished appearing heel, as a person in shaving or scouring the heel is apt, owing to the position of the heel, to be unable

to see, so as to properly cut the top piece, thereby leaving it uneven and unsightly, the lip being taken off in one place and left on in another.

In order to obviate the objections above-mentioned, and to form a perfectly-shaped top piece at one operation, and secure an even and finished appearing heel, I form the upper and heel portion of the top plate with an upper projecting cutting edge or rim, as shown in the accompanying drawings by the letter *a*, so that when the machine is operated the pressure of the boot or shoe against the top plate causes the top piece to be cut by the edge *a*, so as to form a perfect shape without any extra trimming.

Having thus fully described my improvement, what I claim as my invention, and desire to have secured to me by Letters Patent, is—

A top plate of a boot or shoe heeling machine formed with a cutting-edge, *a*, substantially as described and shown, and for the purposes specified.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

HENRY L. DRAKE.

Witnesses:

CARROLL D. WRIGHT,
SAMUEL M. BARTON.