L. ELLIOTT, Jr.
India-Rubber Boots.

No. 206,308. **Patented July 23, 1878.**

Fig. 1

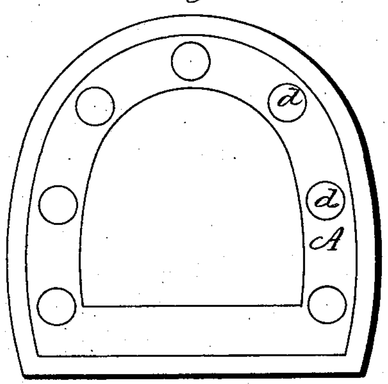

Fig. 2

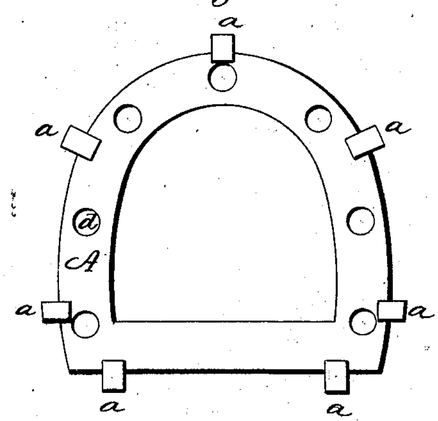

Fig. 3

Witnesses.
J. H. Shumway
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UNITED STATES PATENT OFFICE.

LEWIS ELLIOTT, JR., OF NEW HAVEN, CONNECTICUT, ASSIGNOR TO THE L. CANDEE & CO., OF SAME PLACE.

IMPROVEMENT IN INDIA-RUBBER BOOTS.

Specification forming part of Letters Patent No. **206,308**, dated July 23, 1878; application filed July 1, 1878.

To all whom it may concern:

Be it known that I, LEWIS ELLIOTT, Jr., of New Haven, in the county of New Haven and State of Connecticut, have invented a new Improvement in India-Rubber Boots; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, an under-side view of the heel complete; Fig. 2, the plate detached and looking upon the under side; Fig. 3, a sectional view.

This invention relates to an Improvement in combining metal plates with the heels of india-rubber boots; and it consists in the construction and application of the plate, as hereinafter described, and more particularly recited in the claim.

The general outline of the plate corresponds to the shape of the heel of the boot to which it is to be attached, but smaller in extent and open at the center, as seen in Fig. 2. Around the edge of the plate several projections, *a*, are formed, and the extent of the projections corresponds to the full dimension of the heel, and they are formed above the the under surface of the plate A, as seen in Fig. 3. In making the heel this plate is placed in the mold. The projections, coming in contact with the sides of the mold, securely lock the plate in its proper relative position; then the mold is filled with india-rubber. The plate is constructed with several perforations, *d*, with which the rubber engages, so as to secure the plate into the rubber. The rubber is then vulcanized.

Providing the under surface of india-rubber boots with metal plates is common and well known; but a difficulty has been experienced in properly locating the plates concentric with the heel; but by the application of the outwardly-projecting spurs *a*, which strike the edge of the mold in all directions, the central or concentric location of the plate is insured, thus very much simplifying the attachment of the plates, as well as avoiding the skill or care necessary in attempts to properly locate them when of the usual construction.

I claim—

A heel-plate for heels of india-rubber boots and shoes, constructed without outwardly-projecting spurs *a*, the extent of the projections corresponding with the outer surface of the heel of the shoe, substantially as and for the purpose described.

LEWIS ELLIOTT, JR.

Witnesses:
HENRY L. HOTCHKISS,
WARD COE.