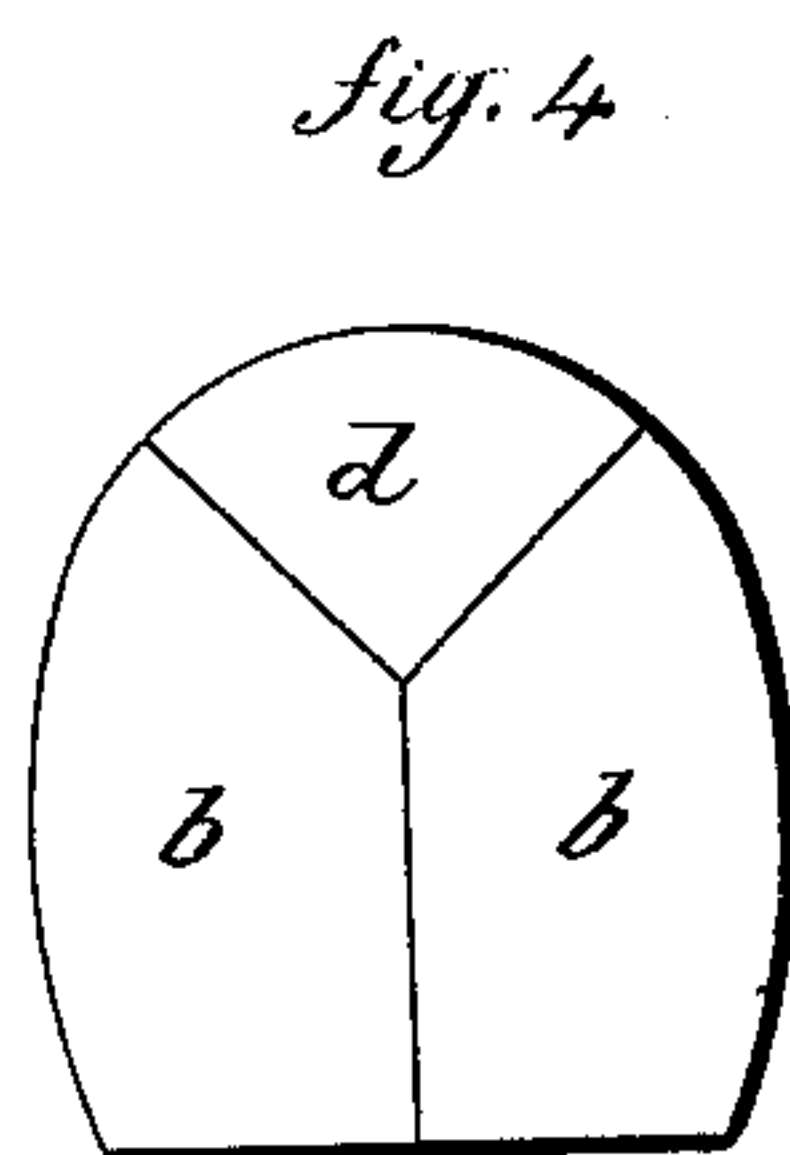
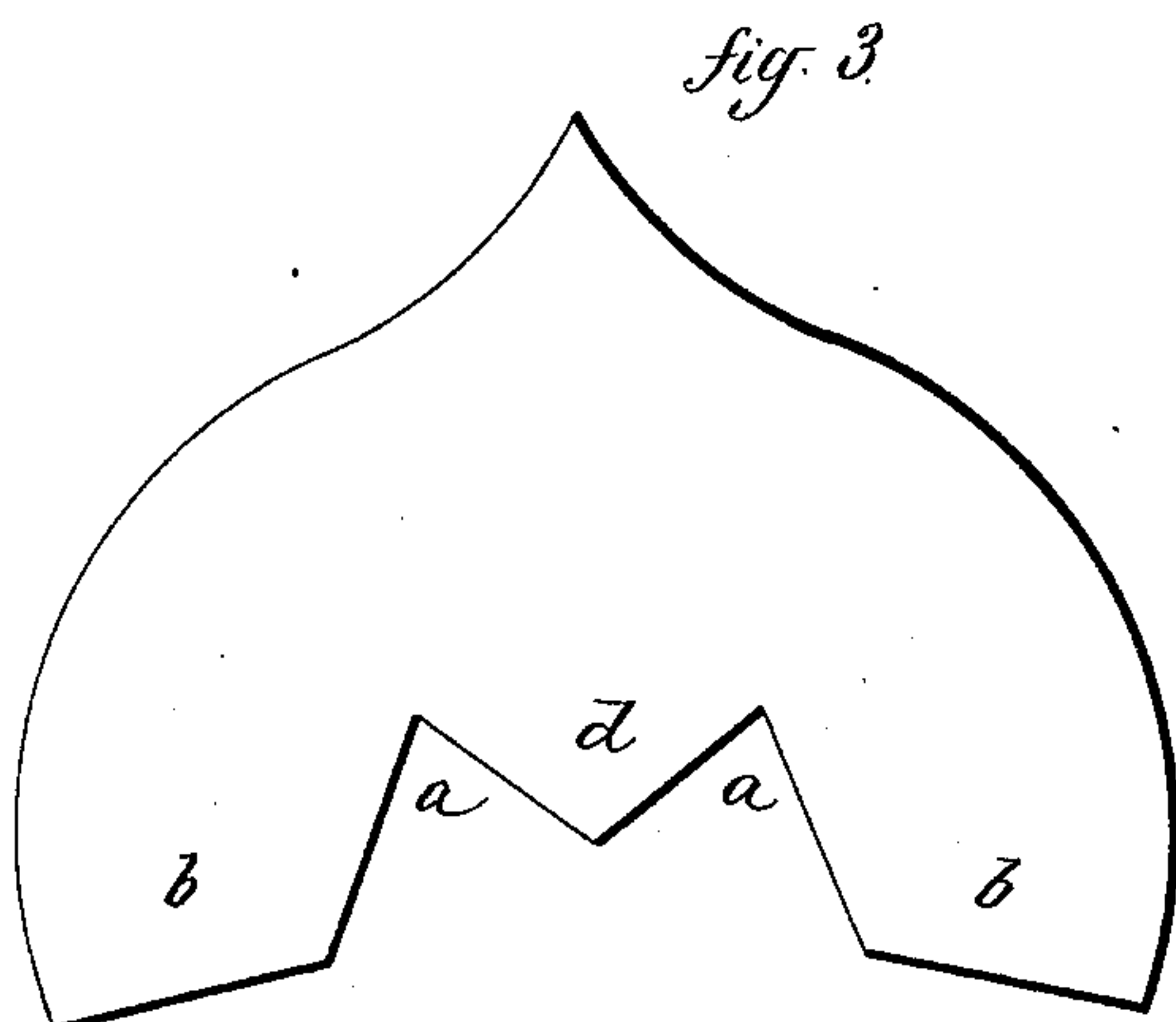
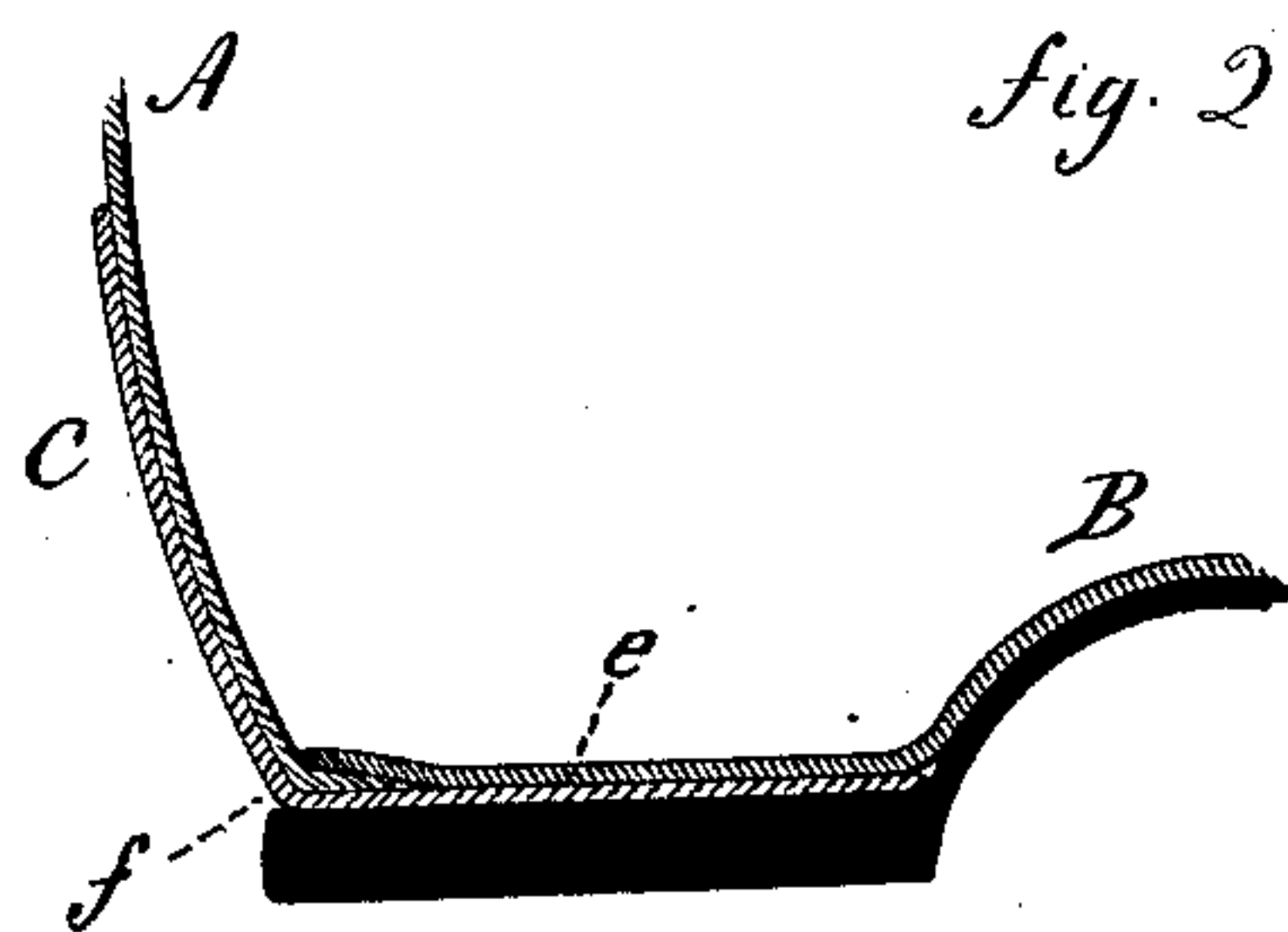
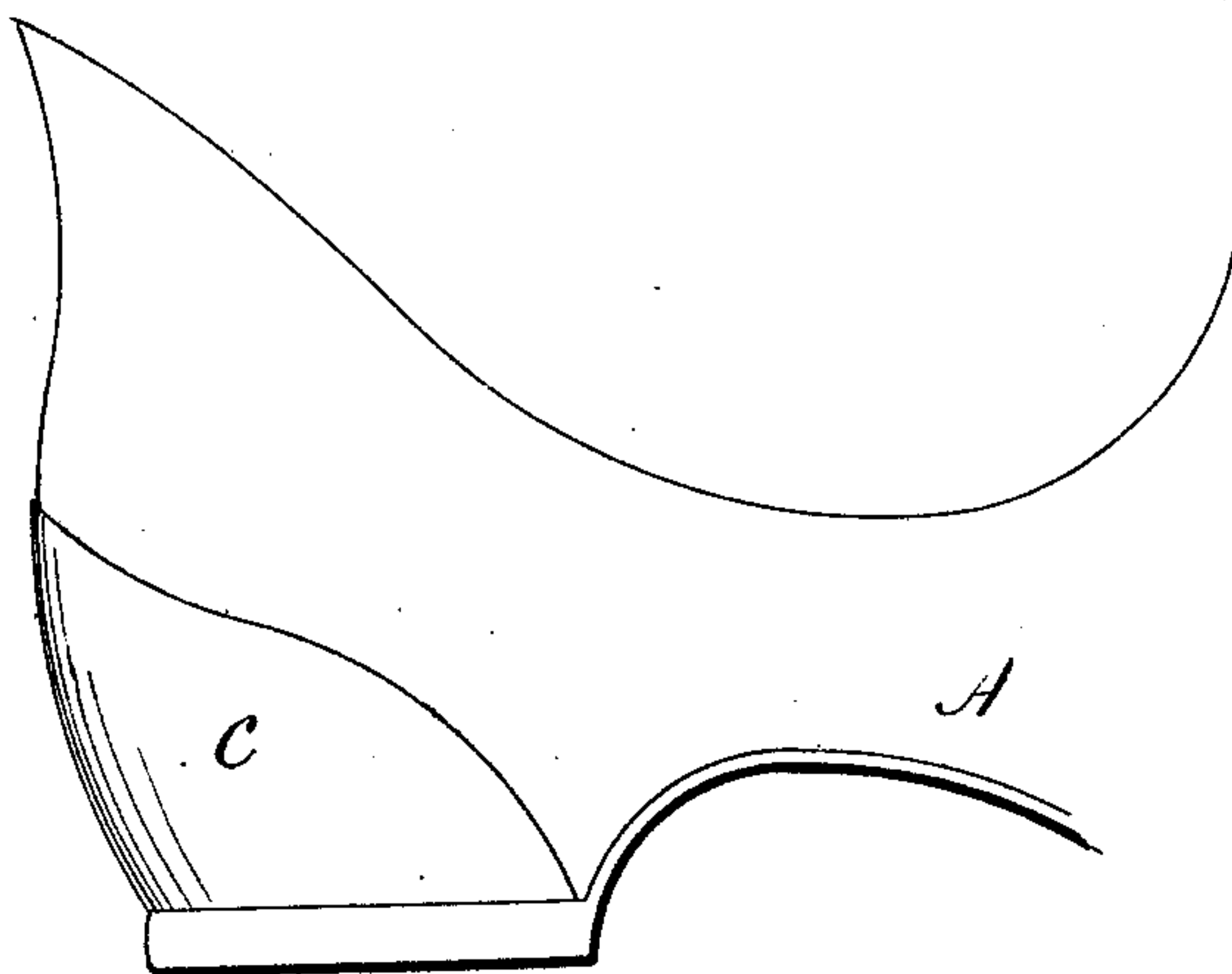


G. WATKINSON.
 India Rubber Boots and Shoes.
 No. 208,776. Patented Oct. 8, 1878.



Witnesses.

J. N. Chumney
 W. A. Hildreth

Geo. Watkinson
 Inventor.

By atty.

J. M. Smith

UNITED STATES PATENT OFFICE.

GEO. WATKINSON, OF NEW HAVEN, CONNECTICUT, ASSIGNOR TO THE
L. CANDEE & CO., OF SAME PLACE.

IMPROVEMENT IN INDIA-RUBBER BOOTS AND SHOES.

Specification forming part of Letters Patent No. **208,776**, dated October 8, 1878; application filed
July 12, 1878.

To all whom it may concern:

Be it known that I, GEO. WATKINSON, of New Haven, in the county of New Haven and State of Connecticut, have invented a new Improvement in India-Rubber Boots and Shoes; 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, a side view; Fig. 2, longitudinal section through the heel portion. Figs. 3 and 4 illustrate the method of applying the invention.

This invention relates to an improvement in the manufacture of india-rubber overshoes, and particularly to the heel portion. In the usual method of manufacture the insole is placed upon the last, then the upper is applied, and the lower edge of the upper turned over onto the insole only a sufficient distance to make a strong connection; then the sole and heel are laid upon the insole, covering the edge of the upper. This leaves the heel only of the thickness of that part of the sole and the counter at the angle of the heel most exposed to severe wear, and the result is that, the heel naturally wearing at the back, the counter breaks at that point earlier than at other points.

The object of this invention is to overcome this difficulty; and it consists in applying around the counter, at the heel portion, an outer re-enforcing piece extending over the heel portion, and before the heel is applied, as more fully hereinafter described.

The upper A is prepared in the usual manner and applied to the last after the insole B in the usual method of making shoes; but after this is done, and before putting on the sole and heel, the heel re-enforcing piece C is applied. This piece C is cut from a sheet of rubber the required thickness, as seen in Fig.

3. The outer edge may be of any desirable or artistic shape. The inner edge is gashed, as at *a a*. This piece is then applied to the counter at the back, the parts *bb* and *d* projecting below the bottom at the heel. These projections are then turned down upon the under surface, as seen in Fig. 4, completely covering that part where the outer heel is to be applied, as seen at *e*, Fig. 2; then the sole and heel are applied in the usual manner. This not only thickens the heel portion around the counter, but also adds to the thickness of the heel, and especially at the angle *f*, where the wear is greatest, and it greatly strengthens the heel portion of the shoe.

It is well known that additional pieces have been applied to the counters of india-rubber shoes for the purpose of stiffening or thickening the same, and therefore no claim is here intended to be made to such thickening or stiffening.

I am aware that an extra thickness has been applied around the heel and other parts of overshoes for the purpose of giving an increased strength at those points, and therefore do not wish to be understood as claiming such construction, this invention being limited to the construction of the heel-cap, as described, whereby it is made to extend inward between the insole and the heel, so to form an extra thickness or layer at the heel; but

What is claimed, and desired to be secured by Letters Patent, is—

An india-rubber boot or shoe having the re-enforcing piece C applied around the heel portion or counter and extended over the sole between the latter and the heel, so as to form an extra thickness or lift, substantially as described.

GEO. WATKINSON.

Witnesses:

JOHN E. EARLE,
H. A. KITSON.