

(No Model.)

M. W. WHITNEY.

RUBBER BOOT.

No. 299,890.

Patented June 3, 1884.

Fig. 1.

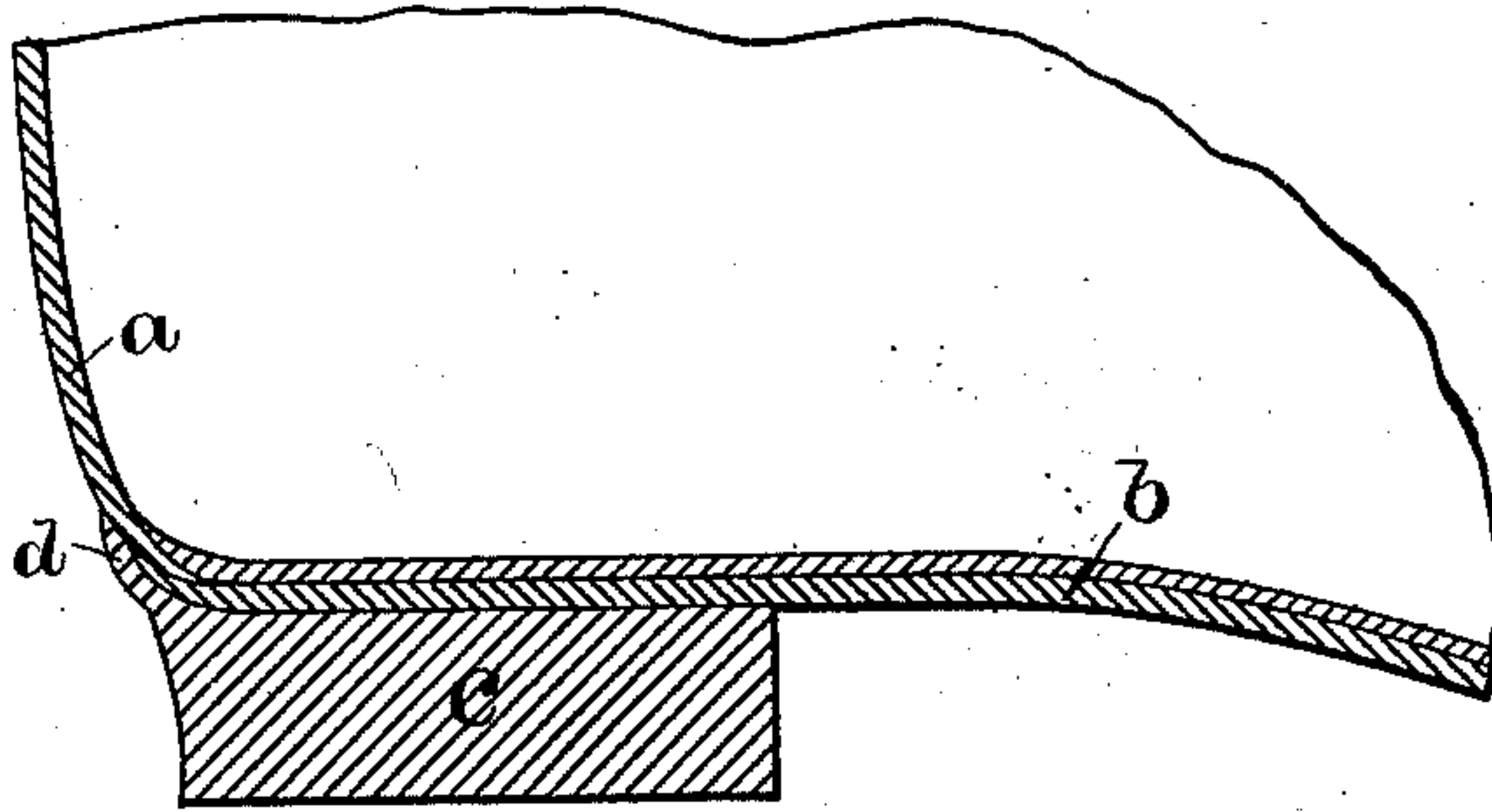


Fig. 2.

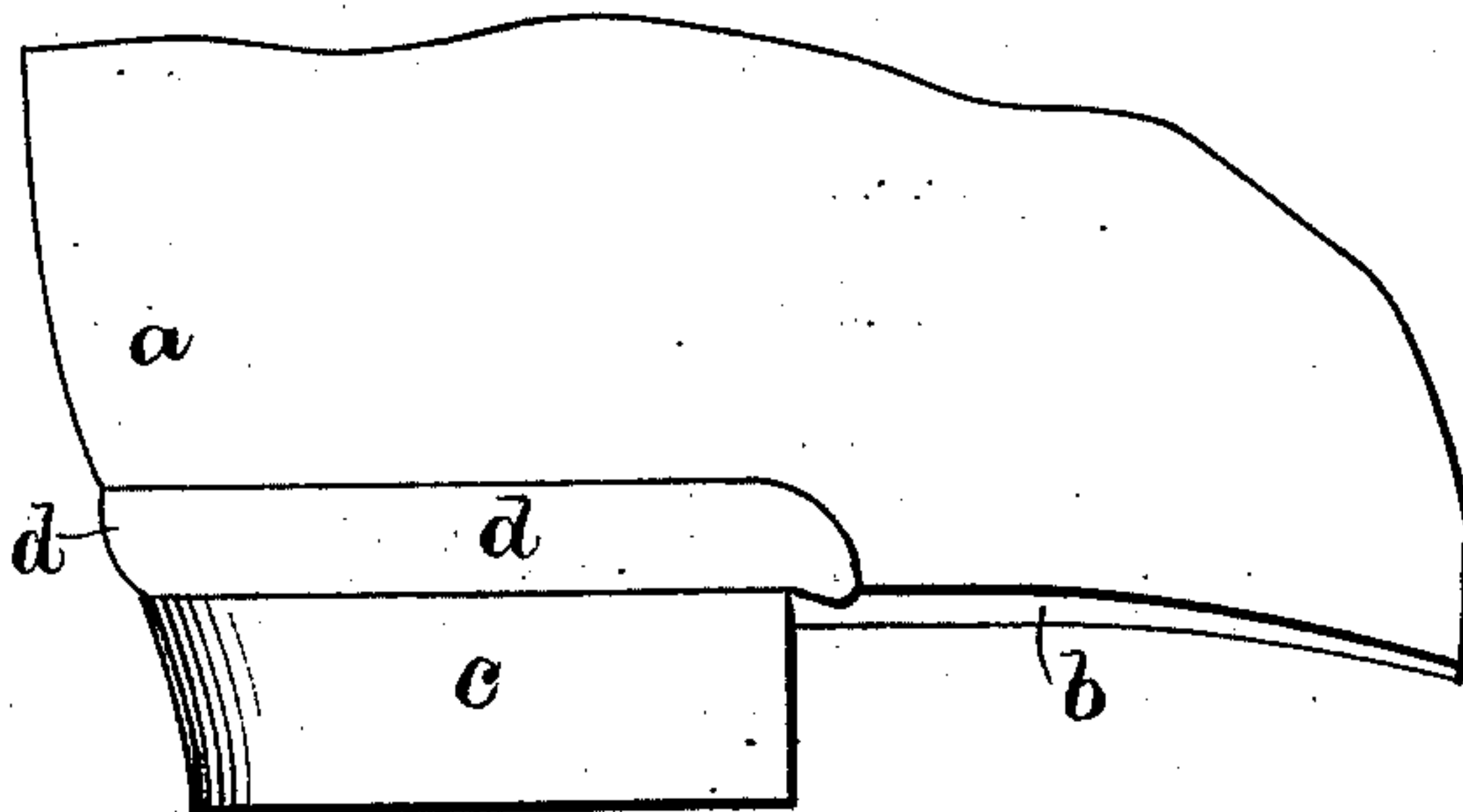
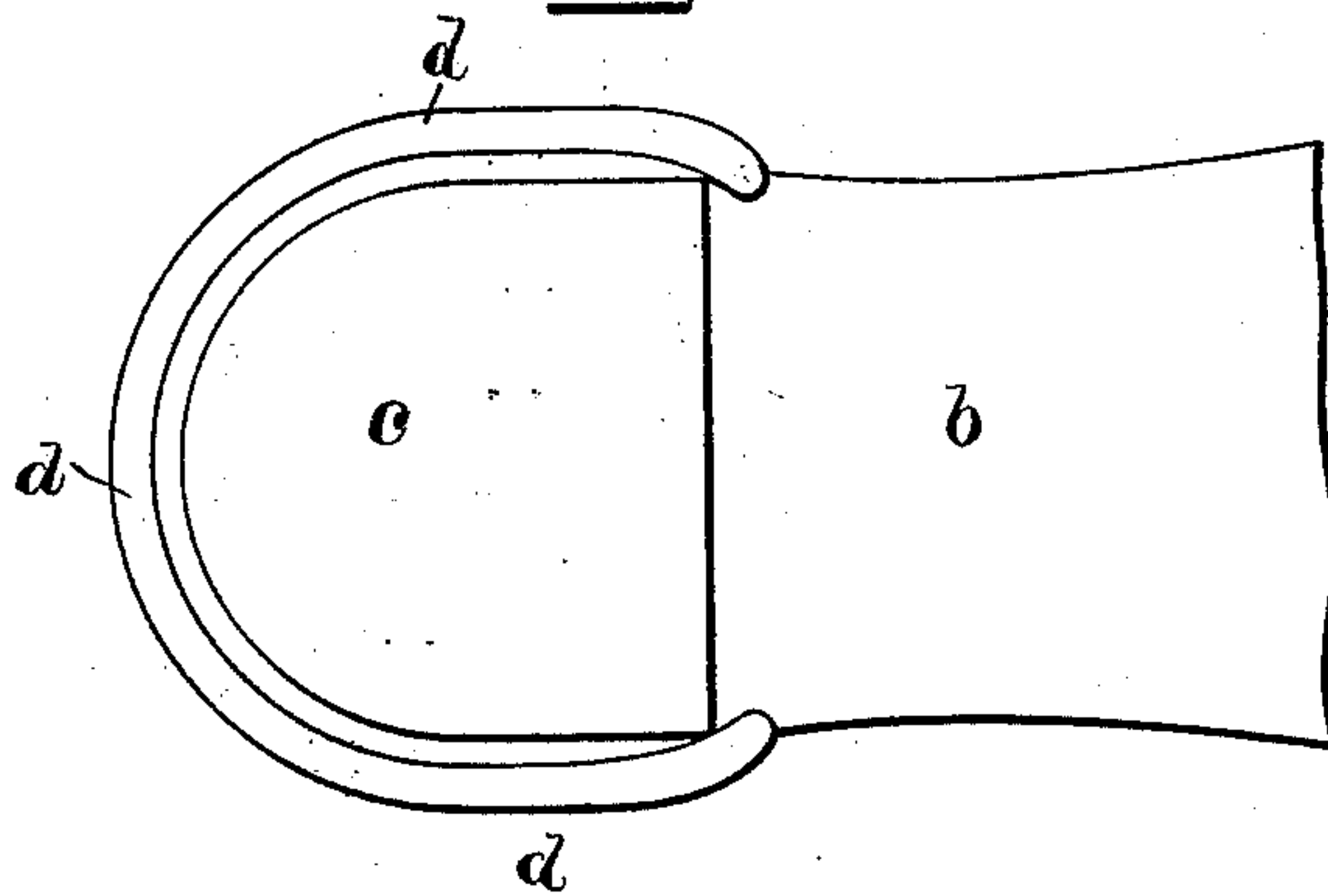


Fig. 3.



WITNESSES:

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RUBBER BOOT.

SPECIFICATION forming part of Letters Patent No. 299,890, dated June 3, 1884.

Application filed April 23, 1883. (No model.)

To all whom it may concern:

Be it known that I, MOSES W. WHITNEY, of Bristol, in the county of Bristol and State of Rhode Island, have invented a new and useful Improvement in Rubber Boots; and I hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification.

10 This invention has reference to the heels of rubber boots; and it consists in molding the heel with projecting flanges, which are secured to the sole and counter by cementation, as will be more fully set forth hereinafter.

15 The heels for rubber boots have heretofore been either made like the heels for leather boots and secured by cementation or nailing, or they have been provided with projecting strips which passed through the sole and were
20 cemented on the inside of the same. In some cases the heel was inserted into a hole cut into the sole to secure the heel; but in all these cases the heel was not firmly secured, and was liable to tear away from the sole, as the surface by which the heel was secured was not
25 sufficient to hold the same. By my improvement the whole surface of the heel is available for cementation, and the edges are extended into projecting flanges diminishing in thickness, so that the same can be firmly secured
30 and more particularly and firmly held at the edges of the heel.

Figure 1 is a sectional view of the heel portion of a rubber boot, showing the heel secured
35 to the sole, and provided with tapering flanges extending outward from the heel. Fig. 2 is a side elevation of the heel portion of a rubber boot, showing the heel provided with a

flange extending up on the counter of the boot. Fig. 3 is an under side view of the heel portion of a rubber boot, showing the flanges.

In the drawings, *a* is the counter of the rubber boot. *b* is the sole. *c* is the heel. *d d* are flanges tapering to a knife-edge, and extending outward and upward from the edge of the
45 heel.

The heels are pressed in molds with the flanges *d* integral therewith. They are secured by cement to the sole of the rubber boot. The flanges are well rubbed down, and the
50 whole boot is now subjected to the process of vulcanization, by which all the parts are secured together to form a compact mass. The flanges give great strength to the edges of the heel and prevent it from parting, thus preventing the first start of separation, and making a firmer, simpler, and cheaper connection
55 than was heretofore possible.

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

1. In a rubber boot, the combination, with the sole and counter, of a heel provided with a rearward and upward integral extending flange, as constructed to extend over the edge of the sole and lap onto the counter, and secured to the sole and counter by cementation.

2. A molded rubber heel provided with an integral flange extending upward around the rear of the heel, adapted for cementation to the bottom of the sole and to the counter,
70 as described.

MOSES W. WHITNEY.

Witnesses:

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