

(No Model.)

S. BERGSTRESSER.

HEEL PROTECTOR FOR BOOTS AND SHOES.

No. 257,433.

Patented May 2, 1882.

FIG. 1.

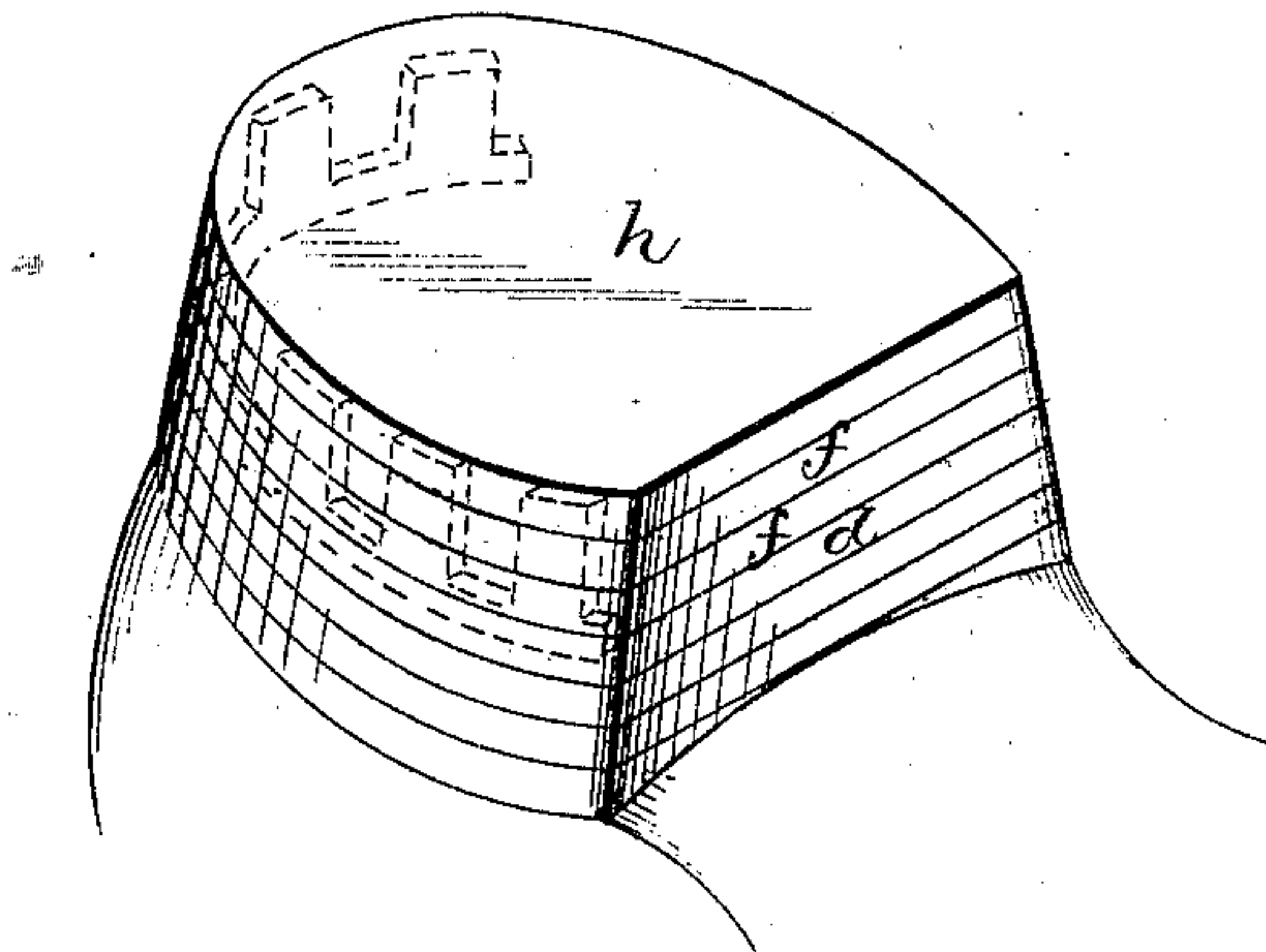


FIG. 2.

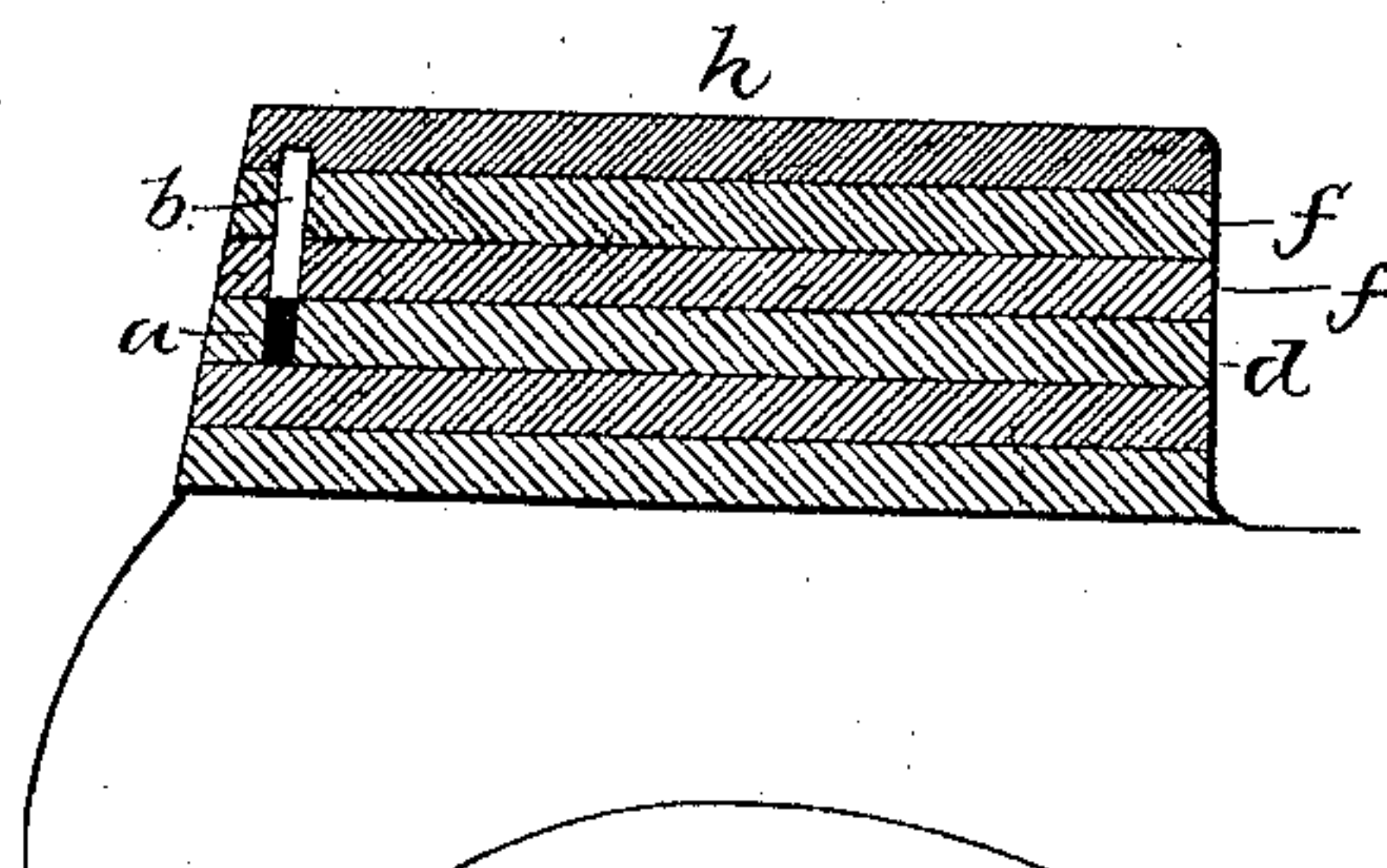
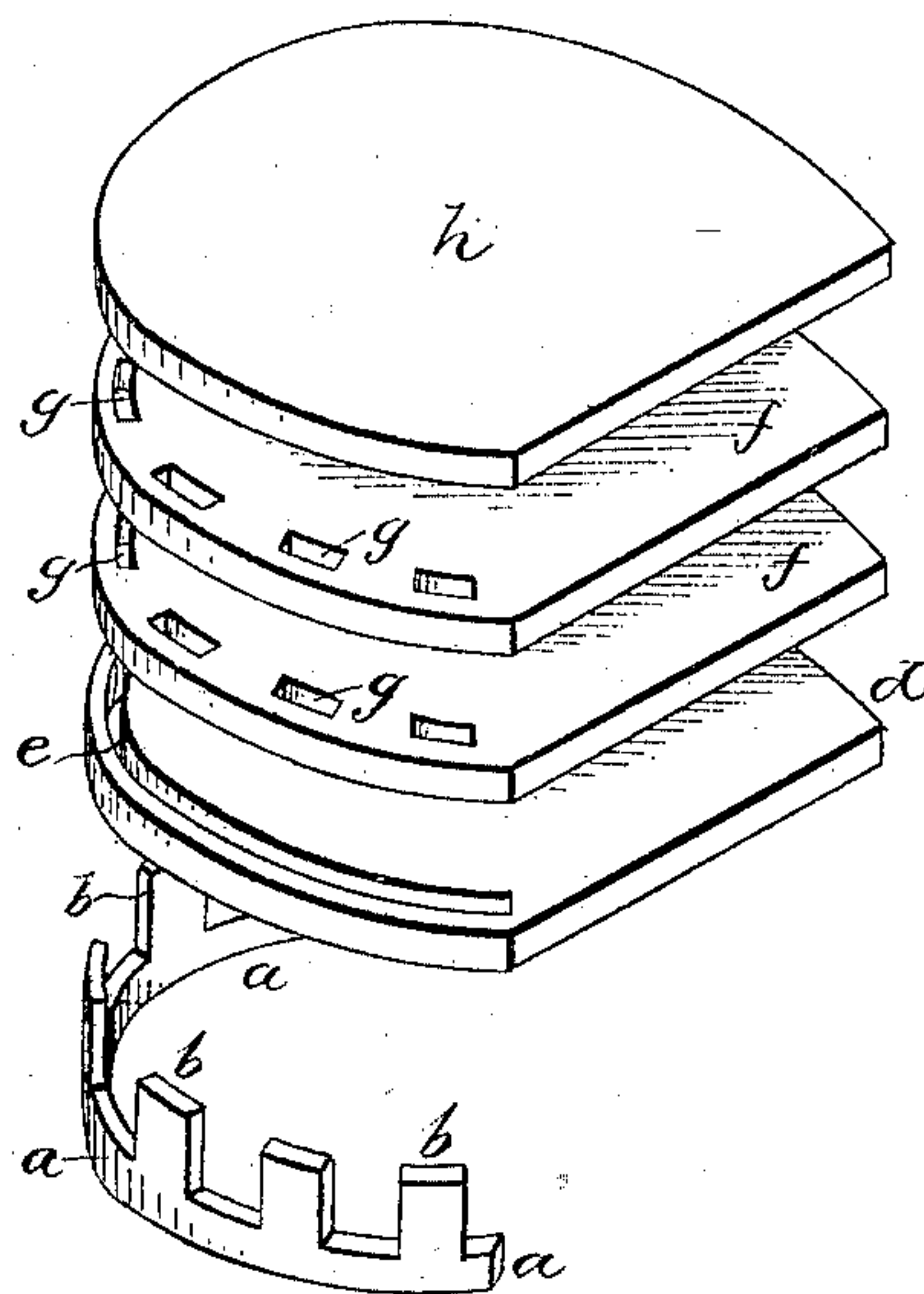


FIG. 3.



Witnesses:

Hamilton H. Turner,

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by his attorneys

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UNITED STATES PATENT OFFICE.

SAMUEL BERGSTRESSER, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR
OF ONE-HALF TO JACOB H. KERN, OF SAME PLACE.

HEEL-PROTECTOR FOR BOOTS AND SHOES.

SPECIFICATION forming part of Letters Patent No. 257,433, dated May 2, 1882.

Application filed March 27, 1882. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL BERGSTRESSER, a citizen of the United States, and a resident of Philadelphia, Pennsylvania, have invented certain Improvements in Heel-Protectors for Boots and Shoes, of which the following is a specification.

The object of my invention is to prevent boots and shoes from running down at the heel; and this object I attain by embedding in the heel during the manufacture of the same a bar or plate having projections which resist wear.

In the accompanying drawings, Figure 1 is a perspective view of a boot or shoe heel made according to my invention. Fig. 2 is a sectional view of the same; and Fig. 3, a perspective view, showing the character of some of the lifts used in the manufacture of the heel.

The heel is composed, as usual, of a number of lifts, one above another, the whole being compacted and secured together in the ordinary manner. Embedded in the heel, however, is a segmental bar, *a*, which has a series of projections or lugs, *b*, and one of the heel-lifts, *d*, has formed in it a segmental slot, *e*, for the reception of this bar, other lifts, *f*, having openings *g* for the reception of the projections *b*. In piling the lifts the bar with its projections is adapted thereto, and when the lifts are subjected to pressure in completing the

heel the ends of the projections will be slightly embedded in the outer lift, *h*, so that as soon as said outer lift commences to wear the projections will be exposed, and will present broad metallic surfaces to resist further wear of the leather adjacent thereto, the wearing away of the heel more rapidly at one side than the other being thus counteracted.

In the drawings I have shown a bar extending only part way around the heel; but it may extend entirely around the same, if desired; and in some cases a plate having projections at the edge may take the place of the bar, the slotting of the lift *d* in this case being unnecessary.

I claim as my invention—

1. The combination of the heel-lifts having openings *g* with the bar or plate embedded in the heel, and having projections *b*, adapted to said openings *g*, as set forth.

2. The combination of the segmental bar *a*, having projections *b*, with the heel-lift *d*, having a segmental slot, *e*, and the lifts *f*, having openings *g*, as set forth.

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

SAMUEL BERGSTRESSER.

Witnesses:

HARRY DRURY,
HARRY SMITH.