

(No Model.)

G. C. BUCH.
BOOT OR SHOE.

No. 304,167.

Patented Aug. 26, 1884.

Fig. 1.

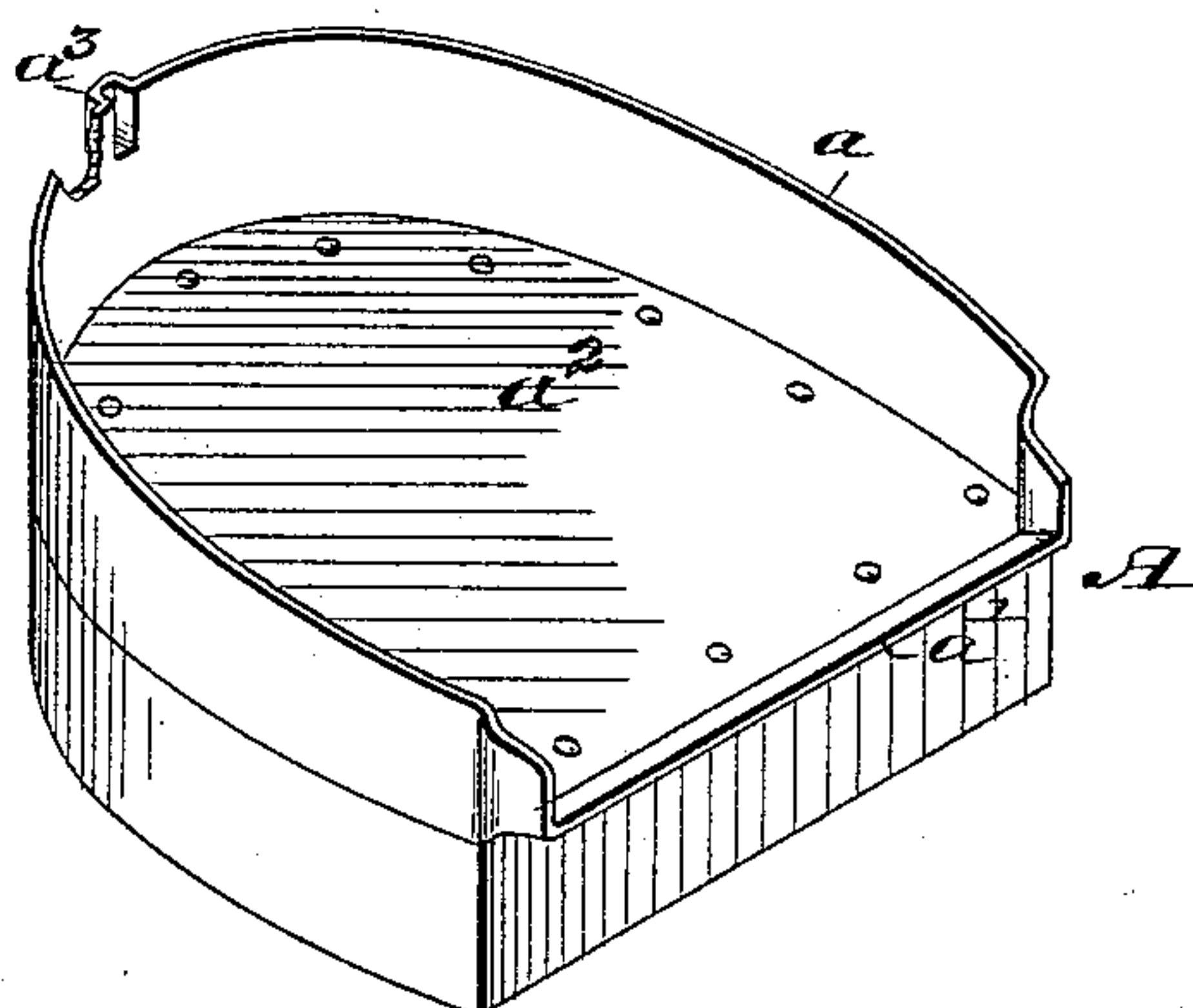


Fig. 2.

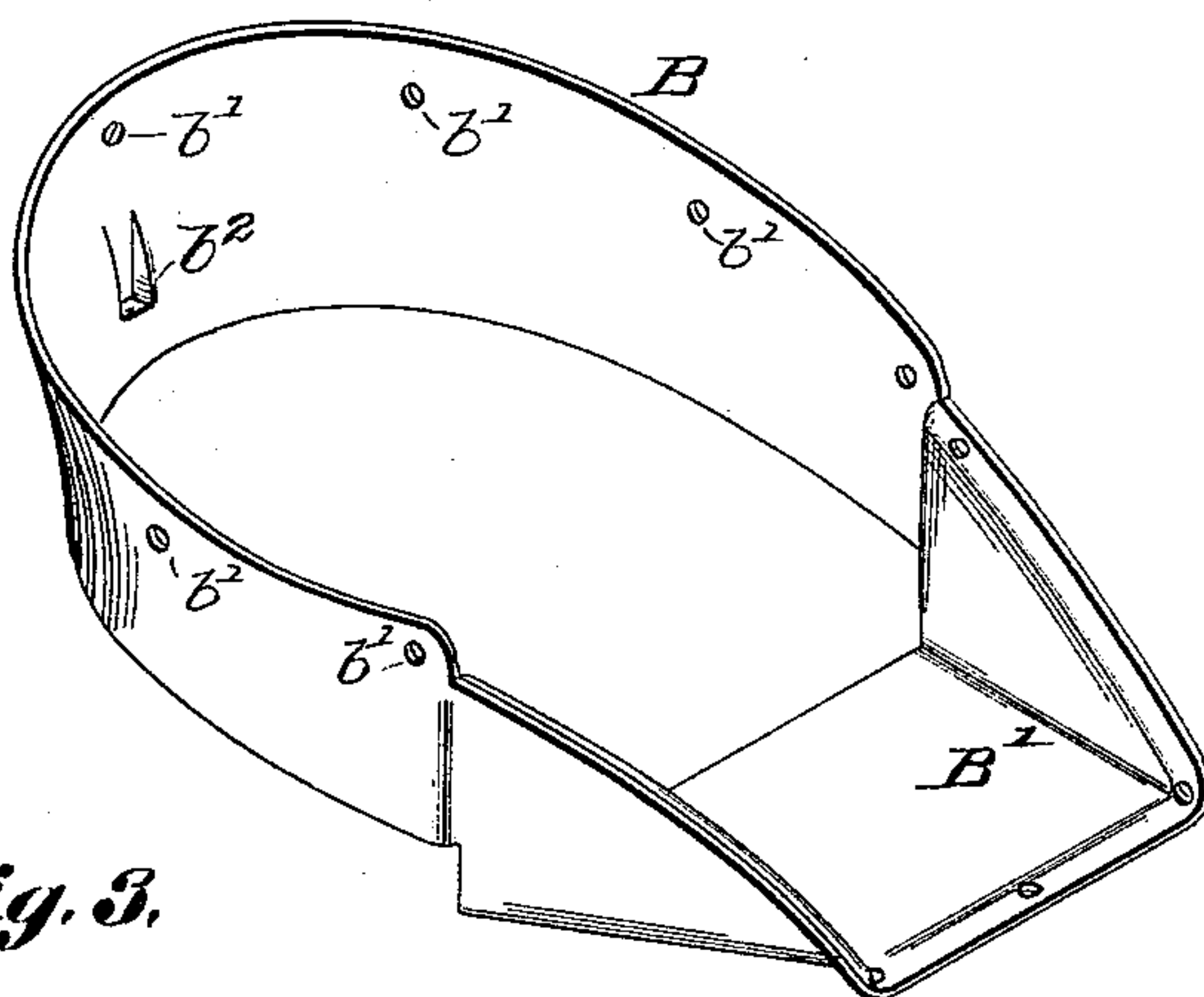
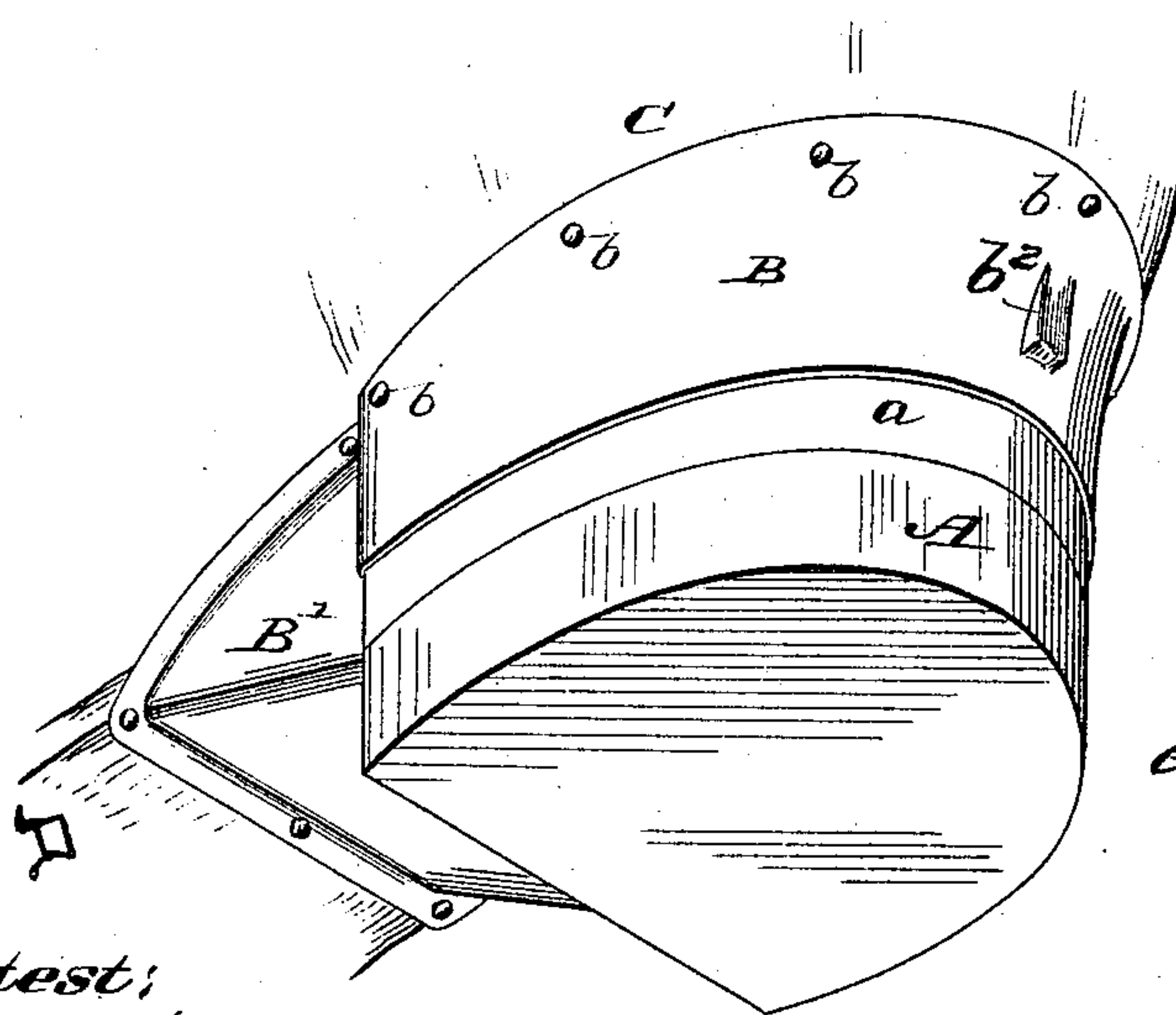


Fig. 3.



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UNITED STATES PATENT OFFICE.

GEORGE C. BUCH, OF EUREKA, MISSOURI.

BOOT OR SHOE.

SPECIFICATION forming part of Letters Patent No. 304,167, dated August 26, 1884.

Application filed June 16, 1884. (No model.)

To all whom it may concern:

Be it known that I, GEORGE C. BUCH, of Eureka, St. Louis county, Missouri, have made a new and useful Improvement in Boots and Shoes, of which the following is a full, clear, and exact description, reference being had to the annexed drawings, making part of this specification, in which—

Figure 1 is a view in perspective of the improved heel; Fig. 2, a view in perspective of the plate used in connecting the heel with the upper portion of the boot or shoe; and Fig. 3 a view in perspective from beneath, showing the improvement in position upon the boot or shoe.

The same letters of reference denote the same parts.

I have heretofore patented an improvement in boots and shoes, in which a spring is introduced between the heel and the upper portion of the boot or shoe.

The present invention is an improvement upon the construction referred to, the improvement consisting in the means employed in connecting the heel with the main portion of the boot or shoe. In the construction referred to the heel is provided with a flange, which is adapted to fit and work vertically within a flange extending downward from the counter. The heel-flange is provided with projections which engage in vertically-elongated openings in the counter-flange. The heel is thus connected with the main part of the shoe, so as to allow of the heel moving toward and from the sole of the shoe as the spring or springs yield or expand in use. There is also a shank-piece fastened to the shoe in front of the heel, but separate from the counter-flange. This construction is not wholly desirable, in that the openings in the counter-flange not only mar the appearance of the construction, but are also troublesome by reason of the dirt which is apt to collect in them.

To overcome the objection referred to and to provide neater and more durable construction is the object of the present improvement, which consists as follows:

A represents the heel. It is provided with the upright flange a , which extends around the sides and back of the heel, and which at

the front of the heel is extended and shaped to form a flange, a' , which is horizontal or nearly horizontal.

It is not wholly necessary that the flanges a a' be in one piece; but it is convenient and desirable for them to be. The metal of which the flanges are formed may also extend at a^2 over the top of the heel, and the parts a a' a^2 may be readily formed by stamping from a single piece of metal into the shape shown. At the rear of the heel the flange a is provided with or shaped to form a projection, a^3 .

B represents the counter-flange. It is shaped to inclose the heel-flange a and to fit onto the counter C of the boot or shoe, and it is also provided with, shaped, or extended to form what may be termed the "shank-flange" B' , which is adapted to fit the shank D of the boot or shoe, and also to come beneath the horizontal flange a' of the heel. The counter-flange is fastened to the counter and shank by means of suitable fastenings, b , passing through the perforations b' into the upper portion of the boot or shoe, substantially as shown in Fig. 3. There is also a recess, b^2 , in the counter-flange to receive the projection a^3 of the heel-flange, the recess being suitably extended vertically to enable the heel to rise and fall in the counter-flange. The heel, therefore, is sustained in front by means of the flange a' , resting upon the shank-flange B' , and at the back by means of the projection a^3 , resting in the recess b^2 . The spring, which is interposed between the heel and the sole of the boot or shoe, is not shown, it not being necessary to an understanding of the present improvement. When the spring is compressed, the heel rises and the flange a' lifts away from the heel-flange B' , and the projection a^3 rises in the recess b^2 .

I claim—

The combination, substantially as described, in a boot or shoe, of the heel A, having the flanges a a' , with the counter-flange B, having the shank-flange B' , and the counter C, said flange a having the projection a^3 and said flange B having the recess b^2 .

GEORGE C. BUCH.

Witnesses:

AUG. BUCH,
CORA E. HUNT.