

(No Model.)

J. C. JENSEN.
BOOT AND SHOE HEEL.

No. 311,005.

Patented Jan. 20, 1885.

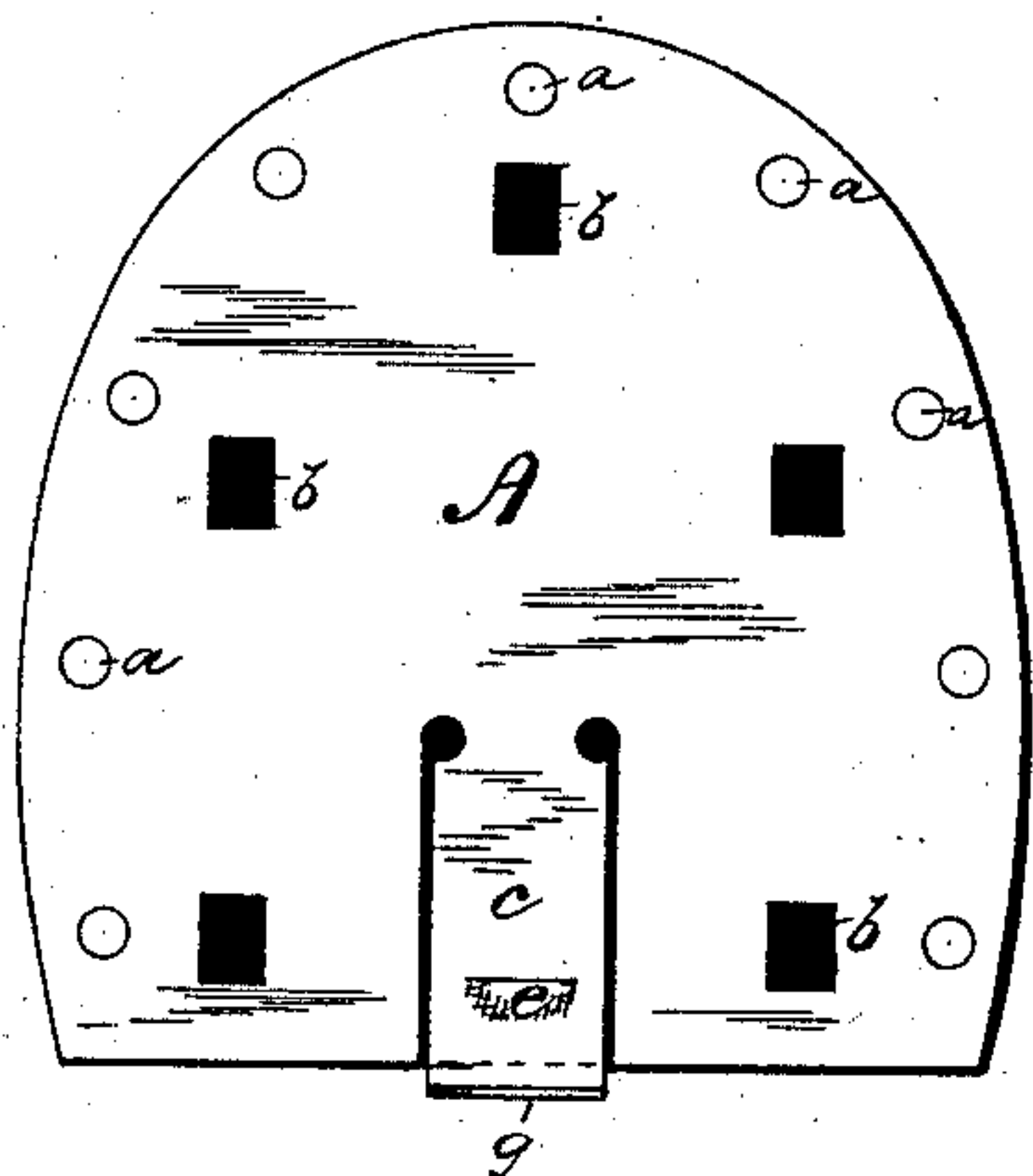


Fig. 1

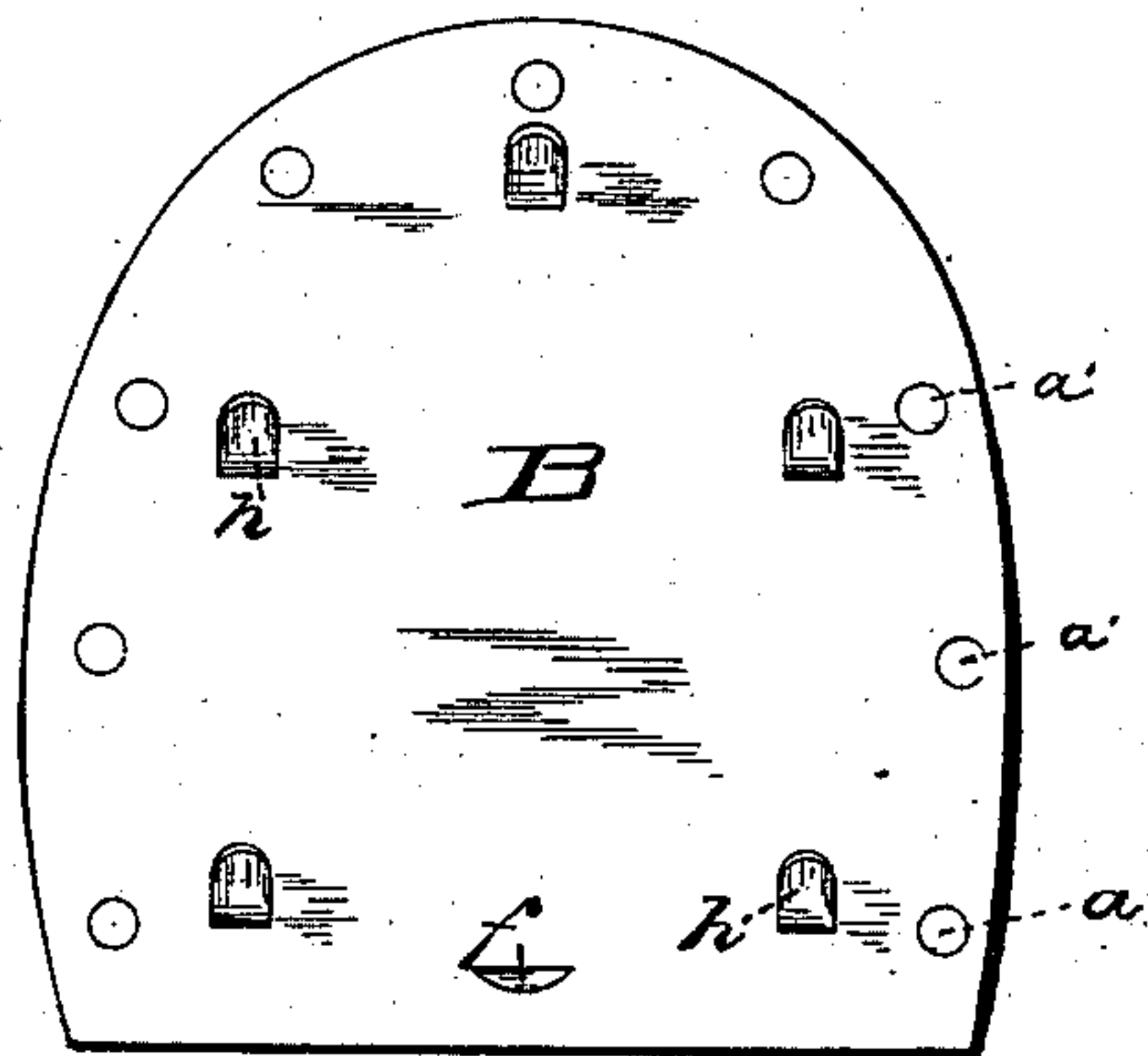


Fig. 2.

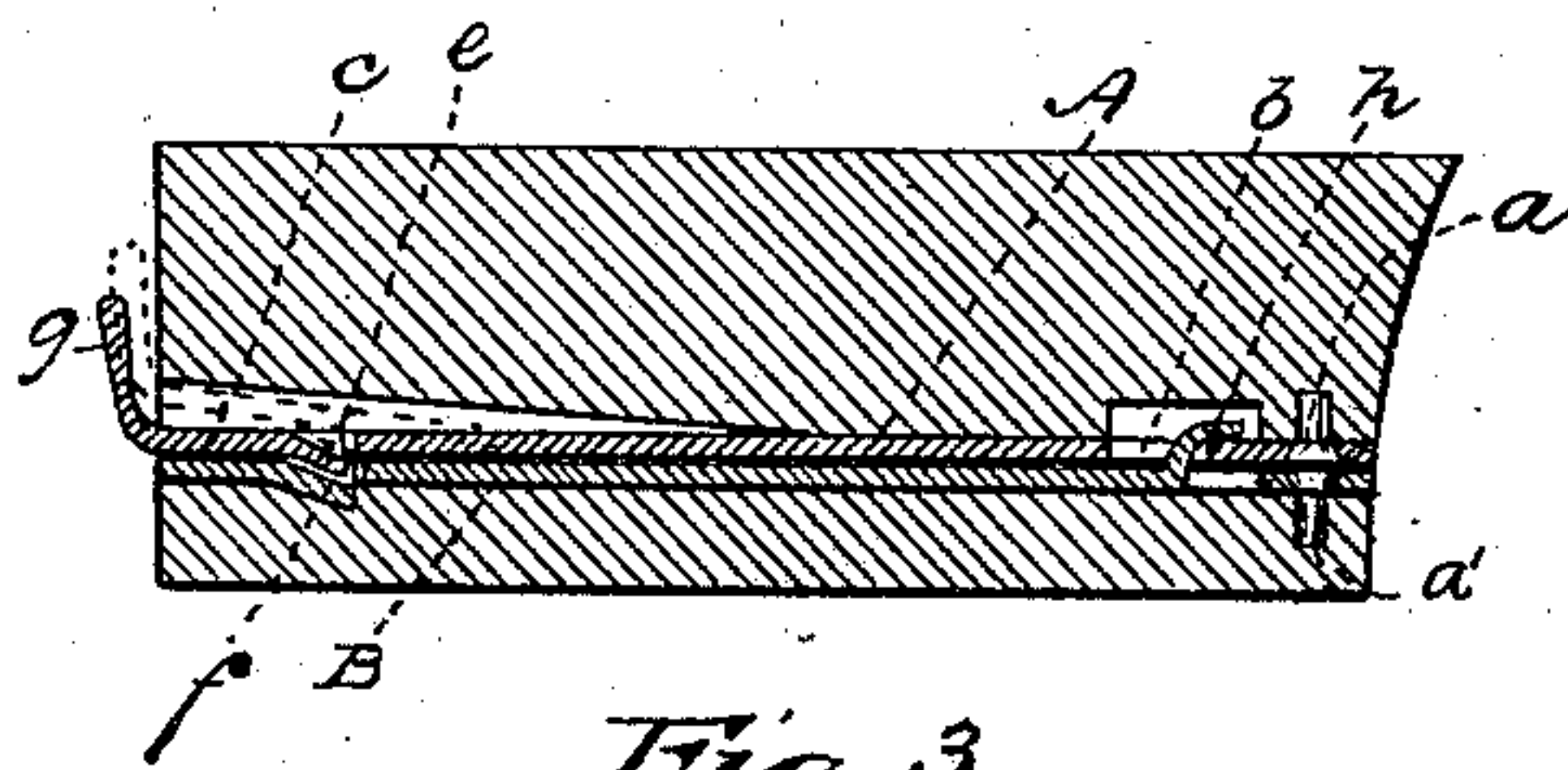


Fig. 3.

Attest:

F. F. Campbell.

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By Drake & Co. Atty.

UNITED STATES PATENT OFFICE.

JENS C. JENSEN, OF NEWARK, NEW JERSEY.

BOOT OR SHOE HEEL.

SPECIFICATION forming part of Letters Patent No. 311,005, dated January 20, 1885.

Application filed August 13, 1884. (No model.)

To all whom it may concern:

Be it known that I, JENS C. JENSEN, a citizen of the United States, residing at Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Shoe-Heels; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

This invention relates to that class of heels for boots and shoes in which one lift or a portion of the heel is removable from the remainder, the removable portions being adapted to be changed from one heel to the other to enable the heels to be worn evenly.

The object is to simplify the construction, reduce the cost thereof, give greater security to the detachable parts, and to facilitate the interchange thereof.

Referring to the accompanying drawings, Figure 1 is a plan of a heel, the detachable lift of which is removed to show the construction of what will be hereinafter called a "heel-plate." Fig. 2 is a plan of said lift, showing a plate secured thereto adapted to engage the heel-plate and fasten said lift to said heel-plate; and Fig. 3 is a sectional view of the heel, showing said parts in engagement.

In said drawings, A is the heel-plate, fastened to the heel by suitable nails, rivets, screws, or other fastenings, *a a a*, and having perforations *b b b* arranged at intervals near the outer edge of the said plate. Said plate is provided, also, with a spring clasp or catching tongue, *c*, which is formed by cutting two slots therein at a suitable distance apart. The said tongue has thereon a catch projection, *e*, adapted to enter into holding relation with a corresponding notch or recess, *f*, in the opposite plate. The said tongue may project beyond the edge of the said plate A, and be bent to form a finger-piece, *g*, adapted to facilitate the unfastening of the catch.

B is the lift-plate, secured to said lift by suitable

fastenings, *a'*, and provided with hooks *h h*, which are raised or struck out of the metal itself, whereby a saving of time and material is effected in the manufacture of the article and greater strength attained than is possessed by plates used for a similar purpose in which the fastening devices are secured by riveting. The plate is recessed, notched, or indented at *f* to receive the tongue-catch *e*.

The lift may be made of felt and the plates applied to overshoes for winter use.

To detach the removable lift from the fixed portion of the heel, lift the spring-tongue, as dotted on Fig. 3, and slide the said lift forward toward the toe of the boot or shoe, and the hooks will become disengaged from the perforations, permitting the removal of the lift.

While I prefer to attach the plate having the hooks thereon to the lift and the perforated plate to the heel, I do not desire to be limited to such arrangement, as they may be reversed, the hook-plate being secured to the heel and the perforated plate to the lift.

If desirable, the hooks may be made of different forms and riveted to the plate, and the perforations may be varied in form to receive said hooks; but I prefer to employ the construction illustrated in the drawings as being best adapted for the purpose.

Having thus described my invention, what I claim is—

In combination, in a shoe-heel, the plate A, having perforations therein and slots forming a spring-tongue, *c*, said tongue being provided with a catching projection, *e*, and projecting to form a finger-piece, *g*, and the plate B, having hooks to enter the perforations in said plate A, and a notch or recess, *f*, to engage said projection *e*, said parts being constructed and adapted to be arranged substantially as and for the purposes set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 11th day of August, 1884.

JENS C. JENSEN.

Witnesses:

F. F. CAMPBELL,
E. D. WINANS.