

(No Model.)

J. J. UNBEHEND.

SHOE CLASP.

No. 313,389.

Patented Mar. 3, 1885.

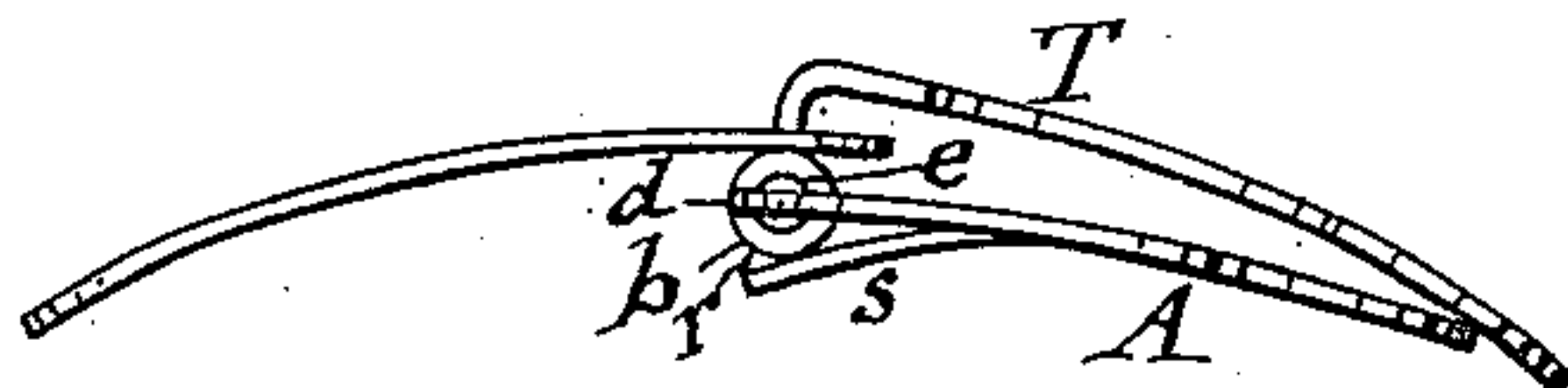


FIG-1-

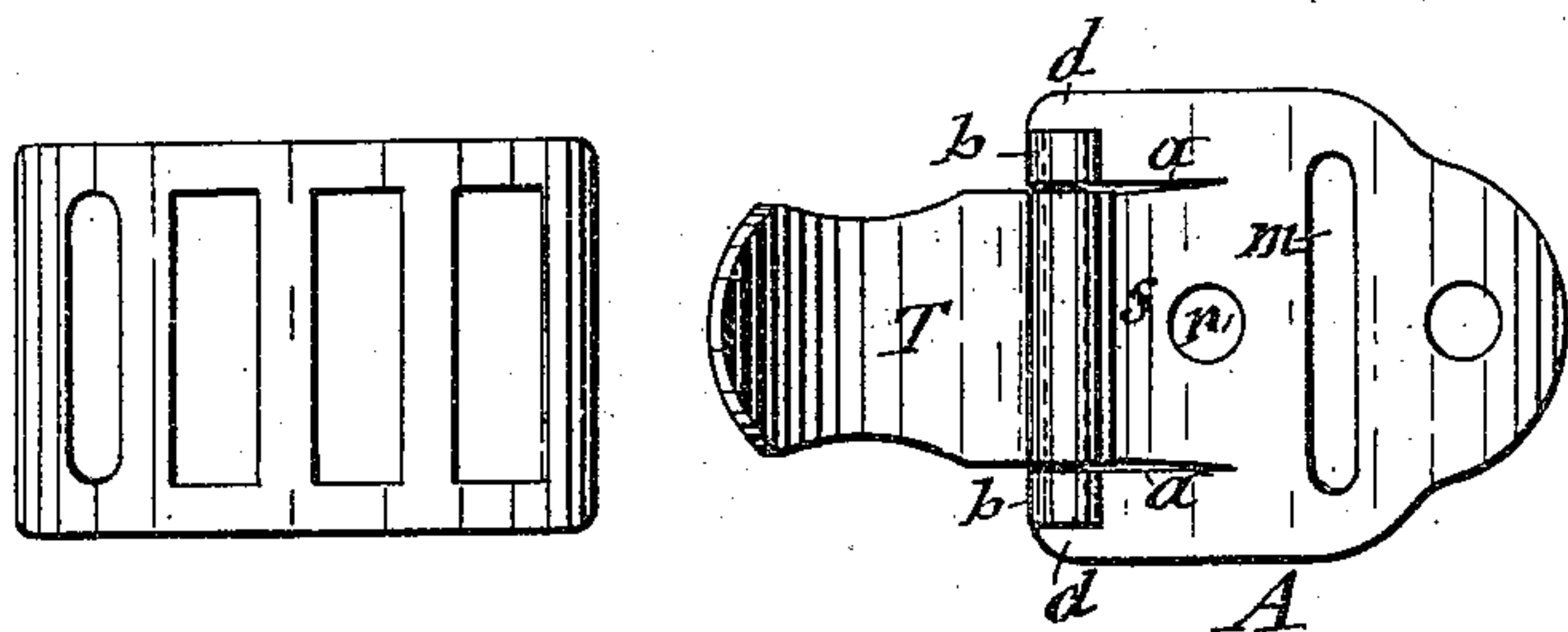


FIG-2-

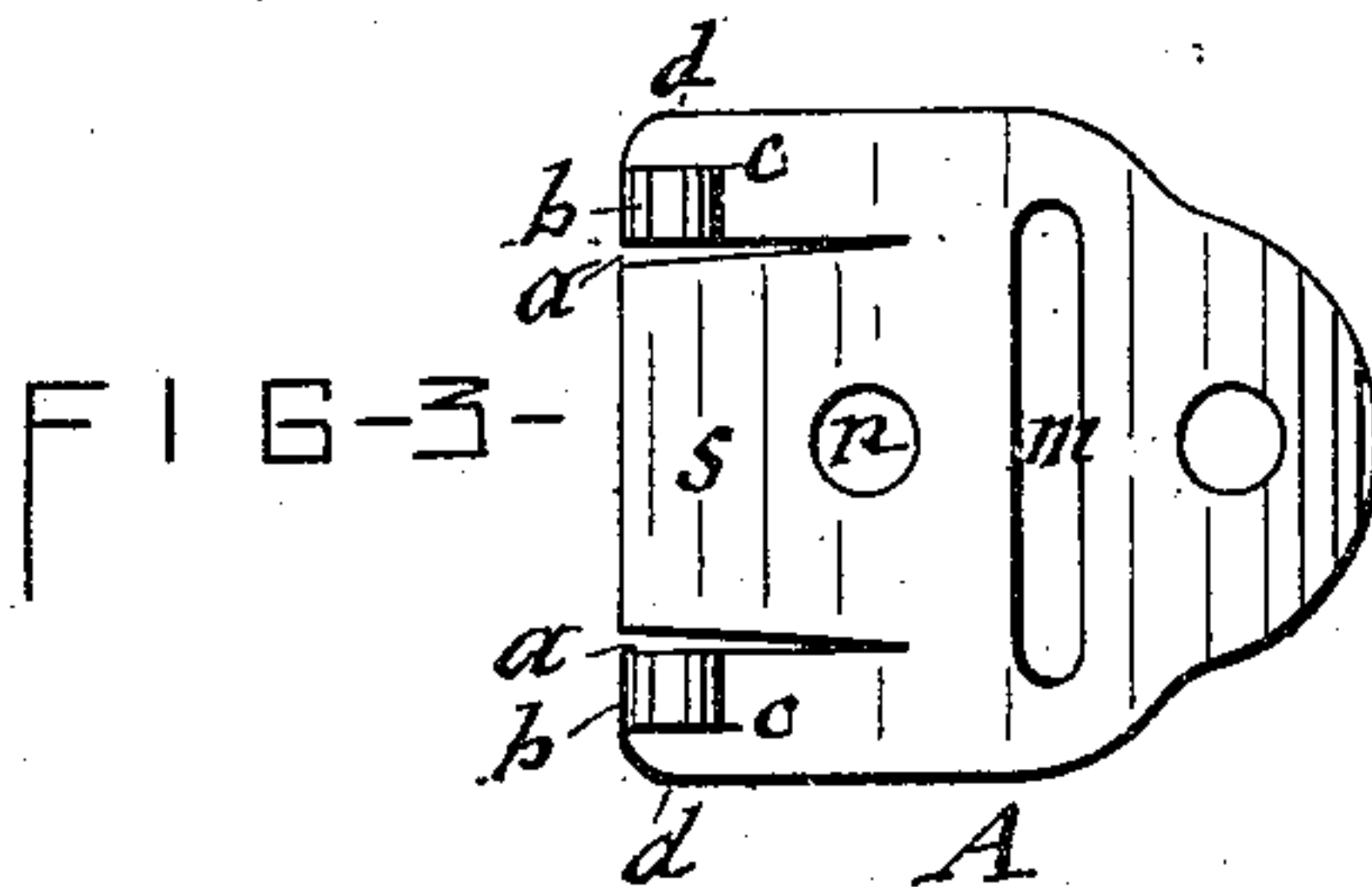


FIG-3-

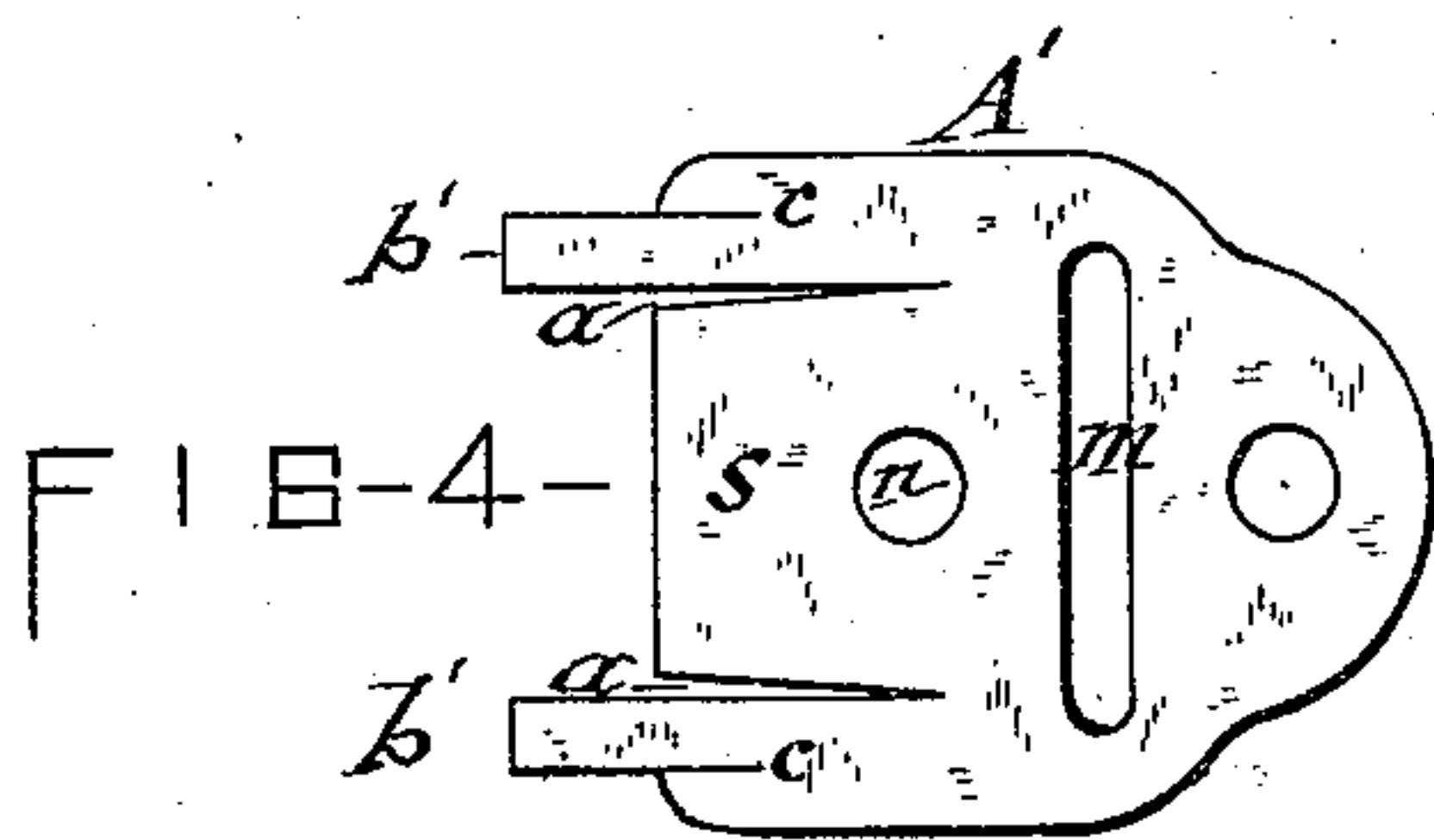


FIG-4-

ATTEST—

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UNITED STATES PATENT OFFICE.

JACOB J. UNBEHEND, OF SYRACUSE, NEW YORK, ASSIGNOR TO JUDSON L. THOMSON, OF SAME PLACE.

SHOE-CLASP.

SPECIFICATION forming part of Letters Patent No. 313,389, dated March 3, 1885.

Application filed September 4, 1884. (No model.)

To all whom it may concern:

Be it known that I, JACOB J. UNBEHEND, of Syracuse, in the county of Onondaga, in the State of New York, have invented new and useful Improvements in Shoe-Clasps, of which the following, taken in connection with the accompanying drawings, is a full, clear, and exact description.

This invention relates to the class of clasps which are designed for use on overshoes designated "arctics," and has special reference to such clasps wherein a tongue is hinged on a plate attached to one of the flaps of the shoe, and interlocks with a slotted plate attached to the other flap of said shoe.

My invention consists in a novel construction of the plate on which the tongue is hinged, which plate has integral therewith a spring which is formed by incisions extending through the end of the plate, and lips across the outer end of the pintle-bearings of said plate, which lips serve to retain the pintle in said bearings and obviate the necessity of riveting or upsetting the ends of said pintle, all as hereinafter more fully described, and specifically set forth in the claims.

The invention is fully illustrated in the annexed drawings, wherein Figure 1 is an edge view of the clasp, showing it interlocked with the slotted companion plate. Fig. 2 is a plan view of the same with the tongue-plate disconnected from the slotted plate. Fig. 3 is a plan view of the tongue-plate with the tongue removed, and Fig. 4 is a plan view of the blank from which the tongue-plate is formed.

Similar letters of reference indicate corresponding parts.

A represents the tongue-plate on which the tongue T is hinged. Said plate A is provided with sockets or suitable bearings, *b b*, for the reception of the pintle *c*, by which the tongue is hinged. Between the sockets *b b*, I make longitudinal incisions *a a*, extending through the end of the plate, and thereby form between said incisions a flexible portion, *s*, constituting a spring, which is integral with the plate, and has its free end under the hinged end of the tongue, which latter is provided with a cam-shaped bearing,

r, by which it depresses the spring when swinging the tongue backward and forward on the plate A. At the outer end of the sockets *b b*, I provide the plate A with lips *d d*, which extend across the sockets, and thus retain the pintle therein, thereby dispensing with the extra labor heretofore required for riveting or upsetting the ends of the pintle.

m is a transverse slot by which to attach the plate A to the flap of the shoe. In small clasps I provide the aforesaid plate with an eye, *n*, in the spring *s*, or between the incisions *a a*, the plate being attached to the flap by a rivet passing through the said eye, the attachment being thus made near the hinge of the tongue, and the latter brought near the end of the flap, which feature is very desirable.

The described tongue-plate A, I form of a blank, A', stamped out of sheet metal, preferably steel, and formed with fingers *b' b'*, between which two incisions, *a a*, are made to form the spring *s*, as hereinbefore described. Two more incisions or slits, *c c*, are made at the outside of the fingers *b' b'*, to form the lips *d d*, which lie across the ends of the sockets *b b*, formed of the fingers *b' b'* by bending the same into the requisite shape.

The slot *m* and eye *n* may be punched out simultaneously with the operation of cutting out the blank.

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

1. The blank A', formed with the fingers *b' b'*, incisions *a a* between the fingers, and slits *c c* at the outside of the fingers, substantially as described and shown.

2. The plate A, provided with sockets *b b*, and with incisions *a a*, extended through the end of the plate, in combination with the tongue T, hinged in said sockets, and provided with a bearing on the plate A between the incisions, as shown and set forth.

3. The plate A, provided with sockets *b b*, incisions *a a* between the sockets, and extending through the end of the plate, and lips *d d* across the outer end of the sockets, in combination with the tongue T, hinged in the

sockets, and provided with a bearing on the plate between the incisions *a a*, substantially as described and shown.

4. In combination with the tongue T, provided with the cam *r*, the tongue-plate A, of a single thickness of stock, having the spring *s* formed integral therewith, and provided in said spring with the eye *n*, for the reception of the rivet by which to attach the plate A to the strap or quarter of the shoe, substantially as herein specified.

In testimony whereof I have hereunto signed my name and affixed my seal, in the presence of two attesting witnesses, at Syracuse, in the county of Onondaga, in the State of New York, 15 this 2d day of September, 1884.

JACOB J. UNBEHEND. [L. S.]

Witnesses:

FREDERICK H. GIBBS,
WM. C. RAYMOND.