

(No Model.)

I. J. SAUNDERS.

BUTTON FASTENER.

No. 333,551.

Patented Jan. 5, 1886.

Fig. 1.

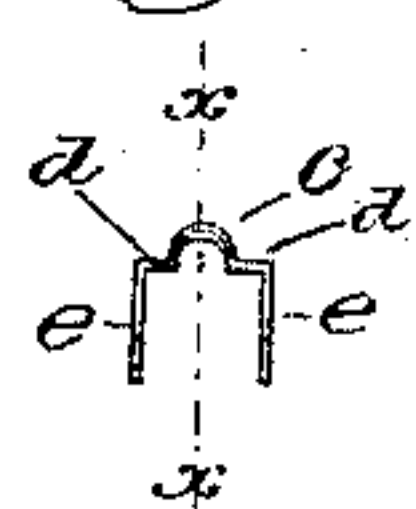


Fig. 2.



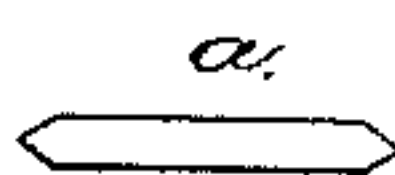
Fig. 3.



Fig. 4.



Fig. 5.



Witnesses.
John F. C. Prinkert
Thos L. Emery.

Inventor.
Era J. Saunders.
by Crosby Gregory
Atty.

UNITED STATES PATENT OFFICE,

IRA J. SAUNDERS, OF UNION CITY, MICHIGAN.

BUTTON-FASTENER.

SPECIFICATION forming part of Letters Patent No. 333,551, dated January 5, 1886.

Application filed May 20, 1885. Serial No. 166,083. (No model.)

To all whom it may concern:

Be it known that I, IRA J. SAUNDERS, of Union City, county of Branch, and State of Michigan, have invented an Improvement in
5 Button-Fasteners, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

This invention has for its object the production of a simple and efficient button-fastener by which to hold in place upon boots and shoes that class of buttons having shank-eyes projecting from their lower sides.

My invention consists of a metallic staple-like fastener bent to form two prongs, and
15 having a cross bar or crown curved upwardly from a shoulder or shoulders adapted to rest upon the surface of the material to which the button is to be attached, the upwardly-curved portion referred to being concave at its upper
20 side or top and convex at its under side, the said convex portion forming a rest for contact against it of the eye of the shank of the button.

25 In the manufacture of my improved button-fastener I prefer to take a thin flat strip of sheet metal and bend the same into the form described, the prongs driven through the material being clinched at the under side thereof.

30 Figure 1 in side elevation represents a button-fastener embodying my invention; Fig. 2, a top view thereof; Fig. 3, a section of Fig. 1 in the dotted line *x x*. Fig. 4 represents a button held upon a piece of leather or other
35 material by one of my improved fasteners, and Fig. 5 represents a thin flat metal blank from which my fastener is made.

Referring to the drawings, *a*, Fig. 5, represents the blank for the fastener, the ends of
40 the blank being beveled, as shown, to enable the same to more readily enter the mate-

rial *b*. This blank is bent centrally, and then at a little distance from its center, to leave the upwardly-curved portion *c*, two flat portions, *d*, and two prongs, *e*, as represented in Fig. 45 1, and during its formation the said fastener has the top of the upwardly-curved portion bent into the form represented in Figs. 2 and 3, leaving a concave top part and a convex lower part. The convexity of the upwardly-
50 curved portion is preferably substantially the same in curvature as the interior of the eye in the shank *f* of the button *g*, the said upwardly-curved portion guiding the button-shank and keeping it in place. The portions *d*, which
55 rest upon the surface of the material, determine the distance that the prongs *e* of the fastener may enter the material.

The button will be applied to the fastener before the prongs *e* are forced into the material, and thereafter the ends of the prongs will be bent each to clinch into the material, as shown in Fig. 5.

I claim—

The herein-described metallic staple-like
65 fastener, bent to form two prongs, and having a cross bar or crown curved upwardly from a shoulder or shoulders, *d*, adapted to rest upon the material to which the button is to be attached, the upwardly-curved portion being
70 concave at its upper side or top and convex at its under side, the convex portion forming a rest for contact against it of the eye of the shank of the button, substantially as described.

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

IRA J. SAUNDERS.

Witnesses:

G. W. GREGORY,
F. CUTTER.