

(No Model.)

J. JACKLE.  
SHOE FASTENER OR CLASP.

No. 353,635.

Patented Nov. 30, 1886.

Fig. 1.

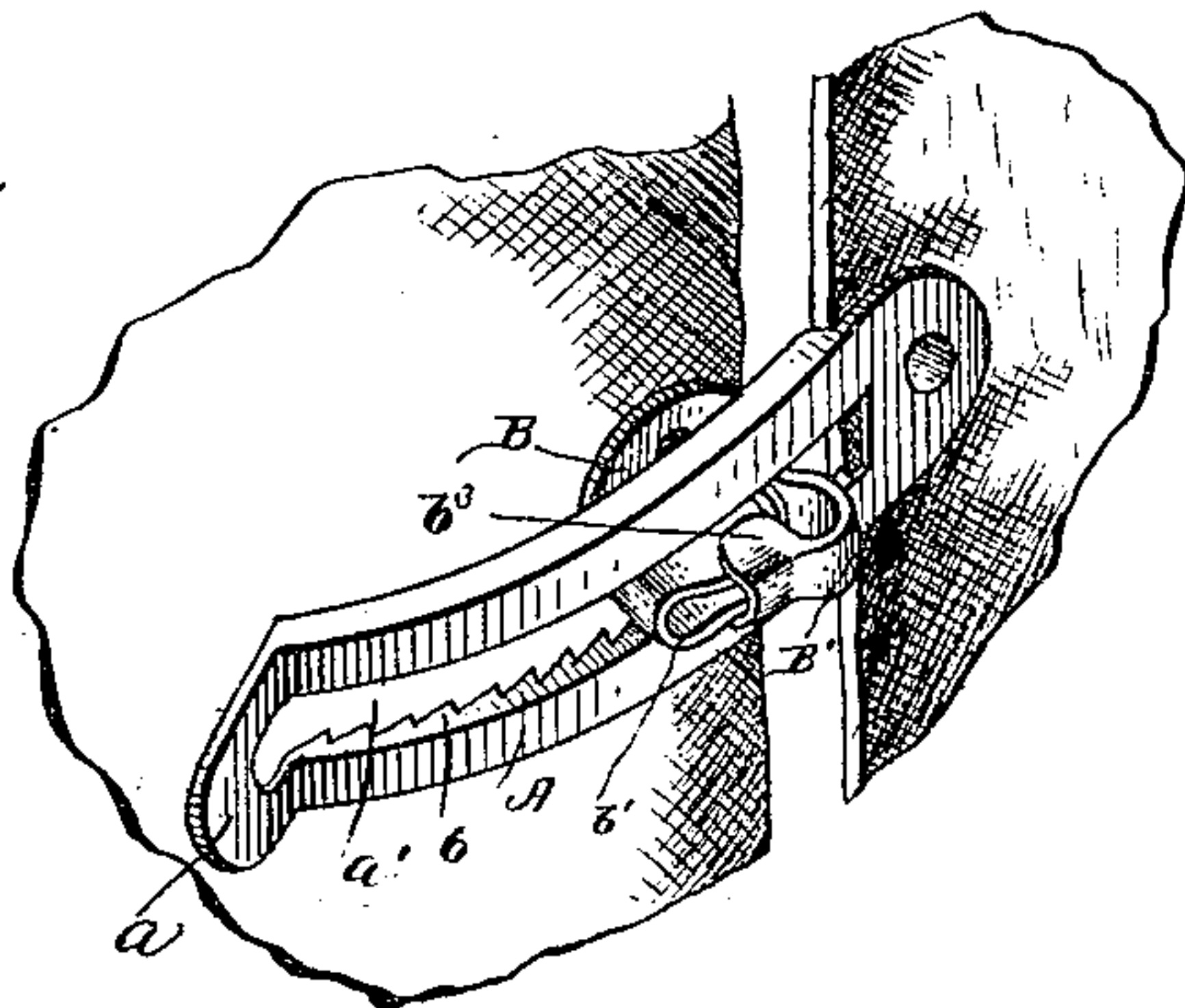


Fig. 2.

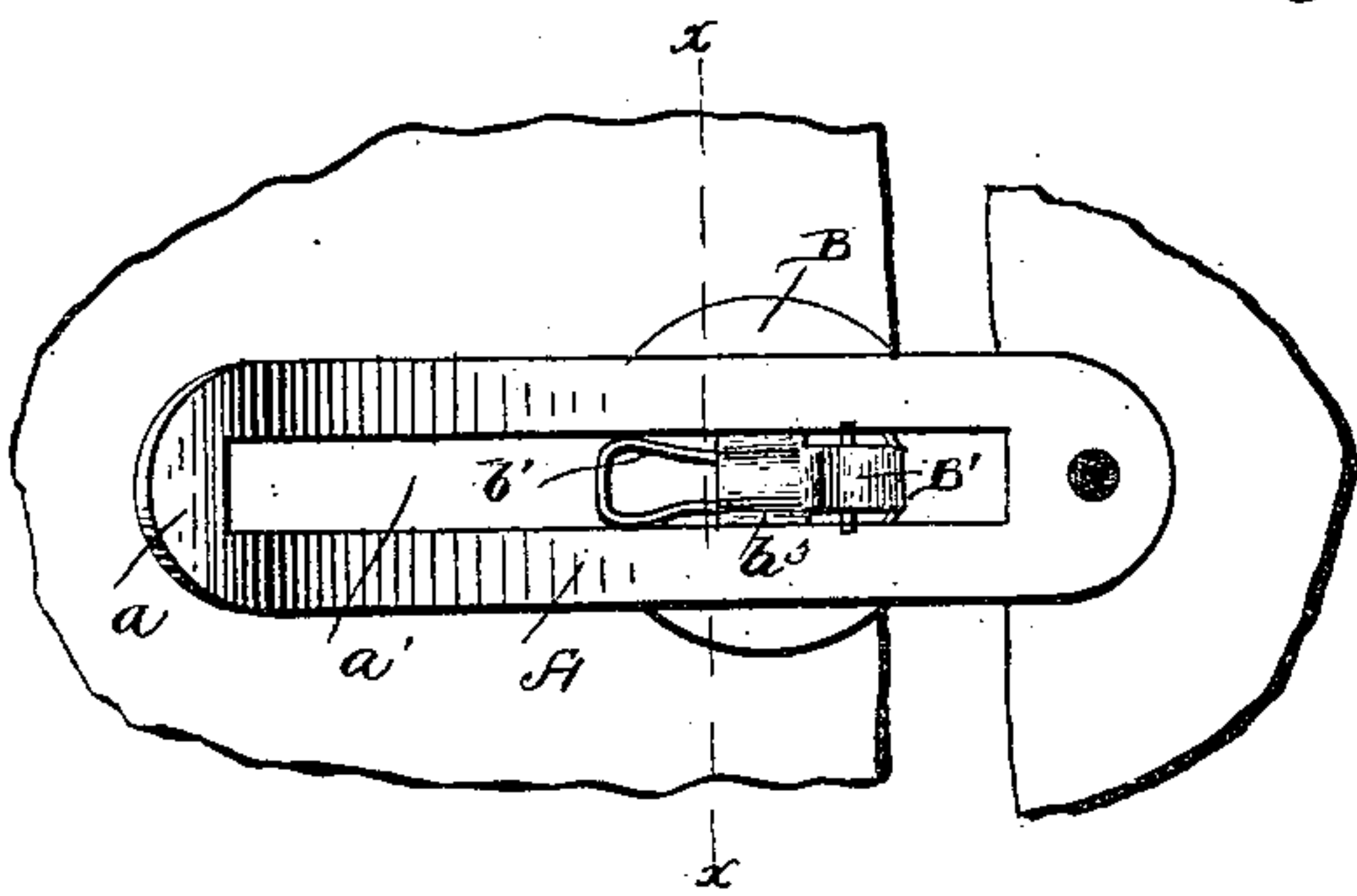


Fig. 3.

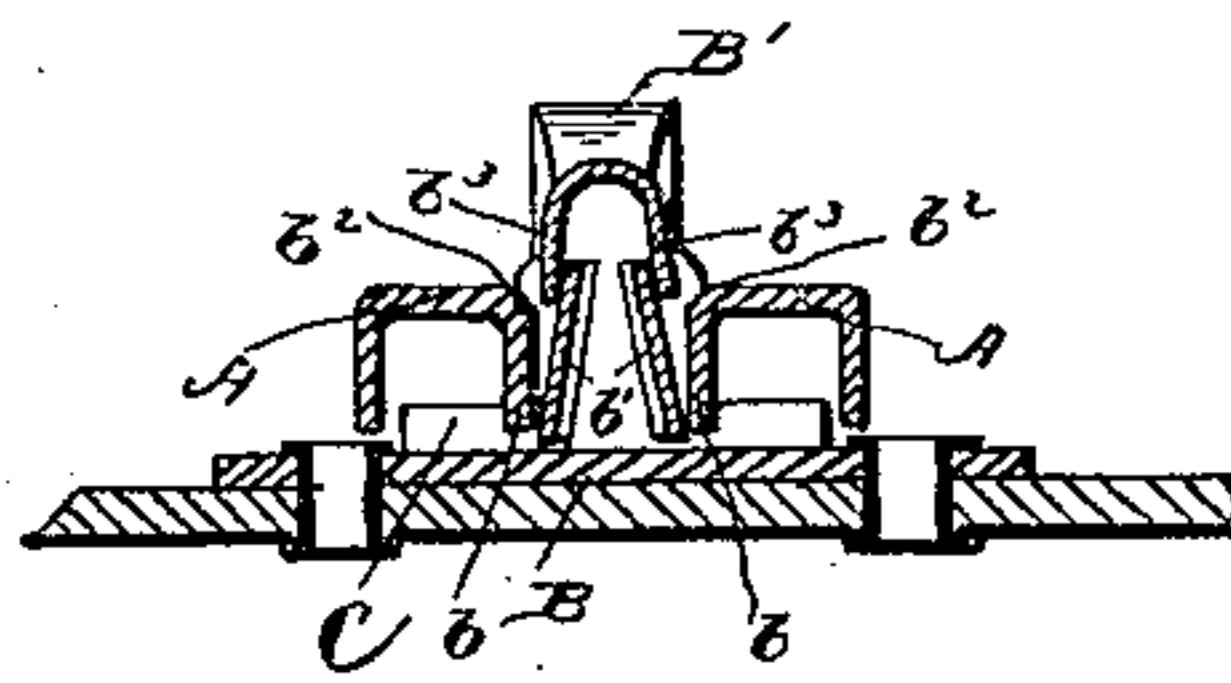


Fig. 4.

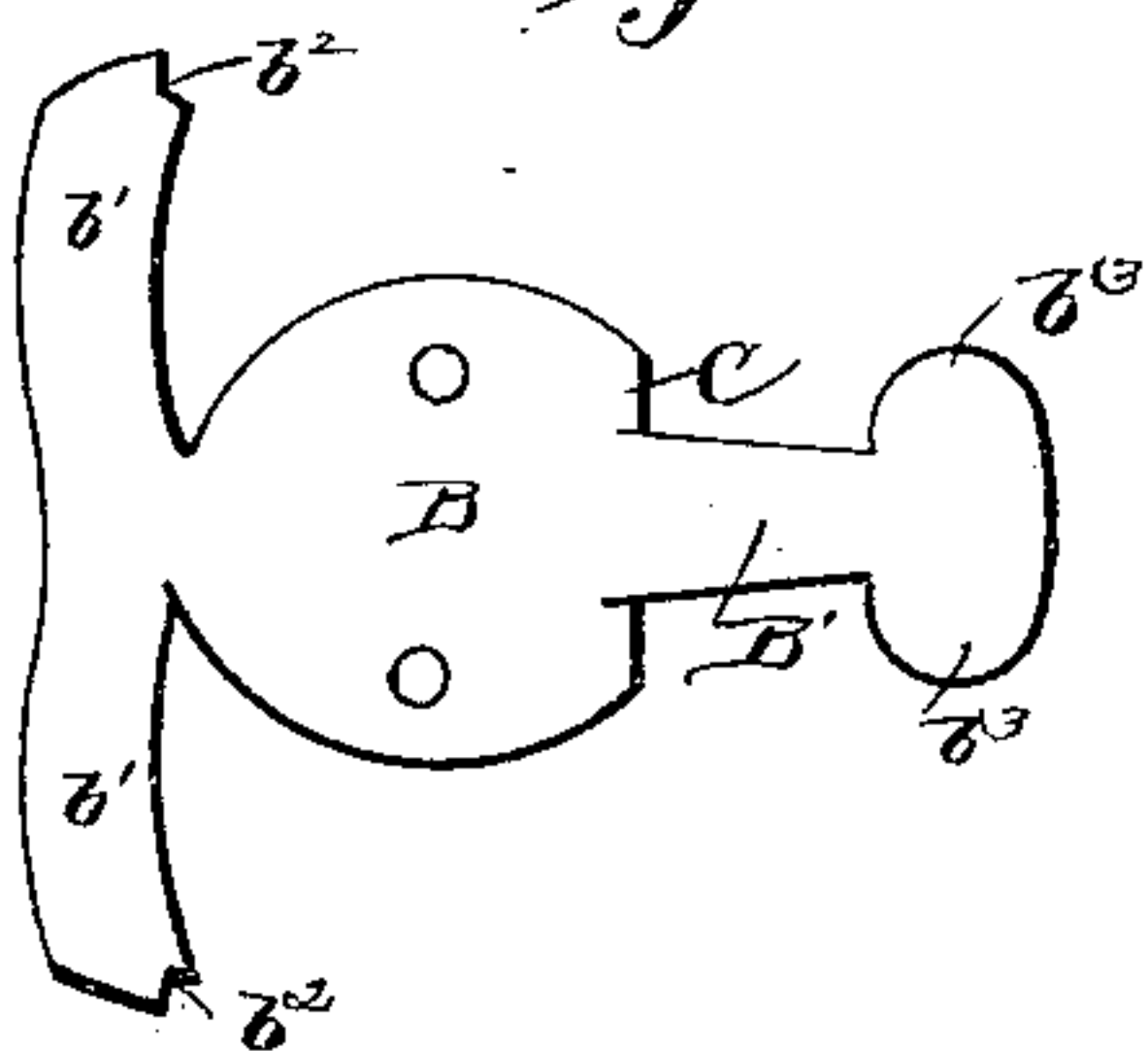


Fig. 5.

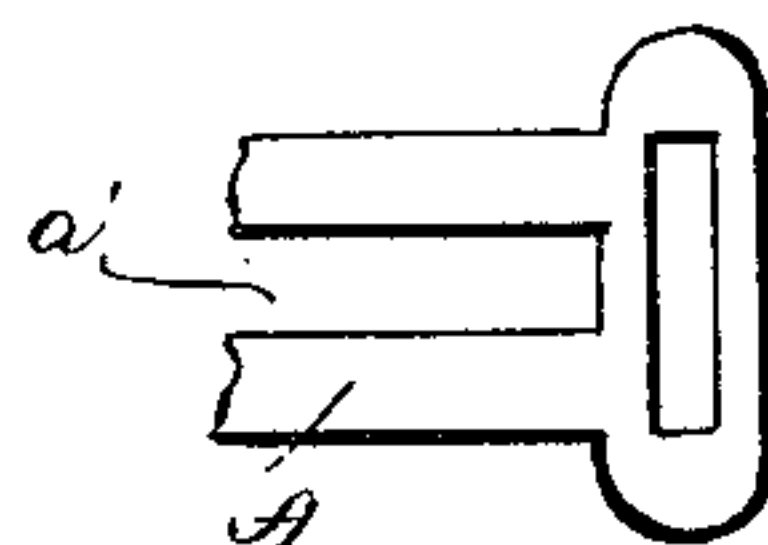
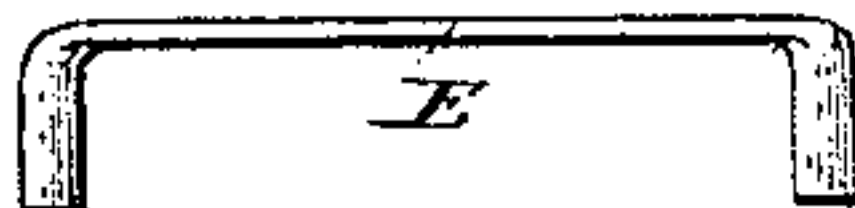


Fig. 6.



Witnesses:  
John Enders, Jr.  
John McGill.

Inventor  
Jacob Jackle  
By *[Signature]*  
Attorneys:



# UNITED STATES PATENT OFFICE.

JACOB JACKLE, OF CHARLOTTE, MICHIGAN, ASSIGNOR TO FRANK S. BELCHER AND JOHN B. BELCHER, BOTH OF SAME PLACE.

## SHOE FASTENER OR CLASP.

SPECIFICATION forming part of Letters Patent No. 353,635, dated November 30, 1886.

Application filed September 9, 1886. Serial No. 213,107. (No model.)

*To all whom it may concern:*

Be it known that I, JACOB JACKLE, a citizen of the United States of America, residing at Charlotte, in the county of Eaton and State of Michigan, have invented certain new and useful Improvements in Shoe Fasteners and Clasps, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention pertains to certain new and useful improvements in buckles, the same being automatic in its action; and it consists in the detailed construction, combination, and arrangement of the parts, substantially as hereinafter fully set forth, and particularly pointed out in the claims.

In the accompanying drawings, Figure 1 is a view in perspective of my invention. Fig. 2 is a plan view. Fig. 3 is an enlarged cross-sectional view on the line *xx*, Fig. 2. Fig. 4 is a detail view of my invention. Fig. 5 is a modification of the toothed plate, and Fig. 6 is a view of a fastening-staple.

In carrying out my invention I employ a preferably curved bar or frame, A, of approximately oblong shape, and one end thereof is secured to the outer surface of the shoe, coat, or other article to which the same is designed to be applied. The other end of said bar or frame is provided with an upwardly-projecting portion, *a*. This bar or frame has an opening or aperture, *a'*, formed throughout its length, and extending to within a short distance of each end thereof, and both the inner and outer edges of each side bar project downwardly and have formed therein, preferably on the inner edges, a series of teeth, *b*, the same projecting rearwardly or toward the secured end of the bar or frame, the object of which will appear further on.

B is a metallic plate, secured near the edge of the other or opposite side of the shoe or coat to which the toothed bar or frame is applied, and from the extreme inner end of said plate are struck or cast therewith two outwardly-projecting lateral arms, *b' b'*, the ends of which are slightly curved and have a small portion of the surface at the lower outer end removed, forming shoulders *b<sup>2</sup>*, the purpose of which will soon appear. From the opposite side of this plate is formed in like manner an outwardly-projecting

portion or tongue, B', from the extreme outer end of which project two small lugs or flanges, *b<sup>3</sup>*. Thus formed, the two lateral arms are bent at their center at a right angle to the plate B, and said arms are then bent inwardly on said plate and occupy a nearly parallel position, the curved ends thereof being bent at right angles to the main or body portion of said arms. The upper inner ends of these arms are bent slightly inwardly toward each other, the purpose of which will hereinafter appear. The opposite outer end of the plate B is bent upwardly together with the tongue B', which is curved outwardly a short distance, and thence inwardly, the bend thus formed converting the said tongue into a spring, and the end of said spring-tongue extends to about the center of and overhangs the plate B. The lugs or flanges of the tongue or spring are bent downwardly therefrom, and are caused to enclasp the upper inwardly-bent portions of the parallel arms *b'*, and from this it is obvious that by exerting slight pressure on the outer portion of the spring-tongue the same will cause the contraction of the bent ends of the said parallel arms.

In the formation and bending of the spring-tongue a small flanged portion, C, is formed on the outer side of the plate B on either side of said tongue, and the same projects upwardly a short distance, the purpose of which will now appear.

In operation the toothed bar or frame is inserted over the parallel arms and the spring-tongue of the opposite plate B, and the teeth of said bar or frame are caused to engage with the two flanges C, and the shoulders formed on the outer curved ends of the parallel arms rest on the upper side of the inner edge of the side bars of said toothed bar or frame, thus securely holding the latter in contact with the flanged portions C, preventing the accidental loosening or removal of the same. From this it will be seen that by pressing forwardly on the upwardly-projecting portion *a* the toothed bar or frame will be caused to move over said flanges and under the shouldered ends of the parallel arms, and to effect the loosening or removal of the toothed bar or frame slight pressure is required to be applied to the end of the spring-tongue, causing the contraction of the inner ends of the parallel arms, and



hence the removal of the shouldered portions from the side bars, thus permitting the removal or withdrawal to the desired extent of the toothed bar or frame.

5 My invention is so constructed that the accidental loosening or removal of the toothed bar or frame is prevented; and the same can be easily moved forward, as stated, when it is desired to more tightly secure the sides of the shoe or coat, as is obvious from the foregoing  
10 description.

I do not restrict myself to any specific means for securing the end of the toothed bar or frame to the article to which applied, as it is obvious that, if desired, the same may be effected  
15 by a strap passed through a slot, as shown in Fig. 5, which strap is secured by ordinary means to the said article; nor do I limit myself to any precise manner of securing the plate B, for, if desired, a double or approximately  
20 U shaped rivet, E, may be employed, or similar shaped eyelets, as shown in Fig. 6.

Having thus fully described my invention,

what I claim, and desire to secure by Letters Patent, is—

1. The herein-described buckle, consisting of the toothed bar or frame, the plate having flanged portions, the parallel arms having shouldered ends, and the spring-tongue having lugs or flanges, substantially as shown and  
25 described. 30

2. The combination, with the toothed bar or frame, of the plate having flanged portions, and the parallel arms having shouldered inner ends, substantially as shown and described. 35

3. The combination, with the toothed bar or frame and the plate, of the parallel arms having shoulders formed on the inner ends thereof, and the spring-tongue, substantially as shown and described. 40

In testimony whereof I affix my signature in presence of two witnesses.

JACOB JACKLE.

Witnesses:

JNO. B. BELCHER,  
JAS. G. POLLARD.