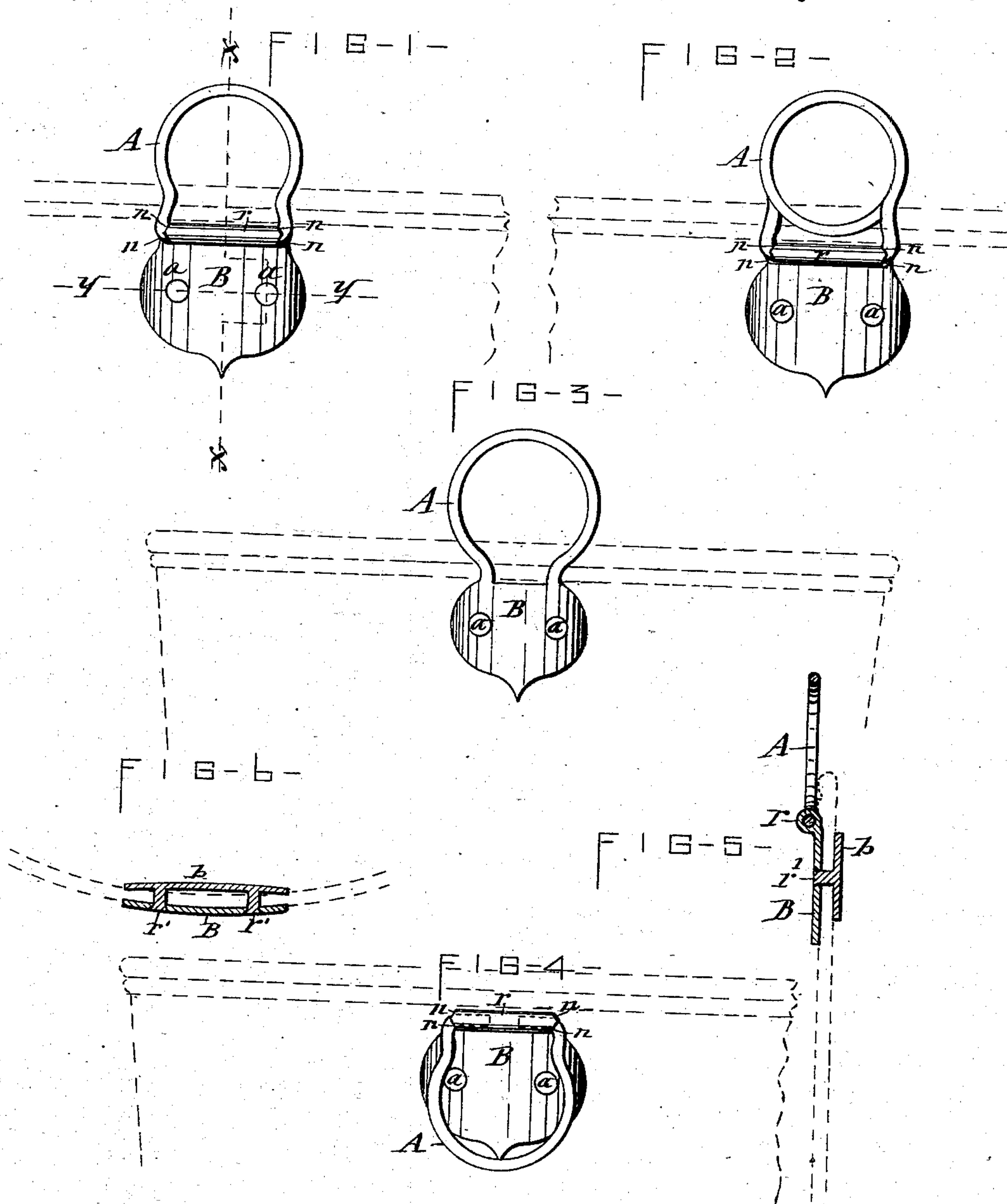


(No Model.)

J. L. THOMSON.  
METALLIC BOOT STRAP.

No. 282,240.

Patented July 31, 1883.



WITNESSES—  
Wm. E. Raymond  
Frederick H. Gibbs

INVENTOR—  
Judson L. Thomson  
per Amos Laas & Co.  
his Attorneys



# UNITED STATES PATENT OFFICE.

JUDSON L. THOMSON, OF SYRACUSE, NEW YORK.

## METALLIC BOOT-STRAP.

SPECIFICATION forming part of Letters Patent No. 282,240, dated July 31, 1883.

Application filed December 29, 1882. (No model.)

*To all whom it may concern:*

Be it known that I, JUDSON L. THOMSON, of Syracuse, in the county of Onondaga, in the State of New York, have invented new and useful Improvements in Metallic Boot-Straps, of which the following, taken in connection with the accompanying drawings, is a full, clear, and exact description.

This invention consists in the combination, with a metallic loop, of a plate connected therewith and made concave on the side facing the boot-leg to which it is to be attached, a washer made concave on the side facing the plate, and rivets or clinchers for uniting said plate and washer, said attaching devices of the loop affording a secure hold on the boot-leg and dispensing with the extra cloth stay-pieces hitherto used for attaching metallic loops to rubber boot-legs, and also effecting a great saving of time and labor heretofore required for cementing the aforesaid stays between the outside rubber and inside lining of the boot-leg, or for sewing the metallic loop on the leather boots.

The invention also consists in certain peculiarities in the detail construction of the aforesaid device, all as hereinafter more fully described, and specifically set forth in the claim.

In the annexed drawings, Figures 1, 2, and 3 are face views of my improved metallic boot-strap and its attaching-plate. Fig. 4 illustrates the adjustability of the boot-strap; and Figs. 5 and 6 are transverse sections, respectively, on lines *x x* and *y y*, Fig. 1.

Similar letters of reference indicate corresponding parts.

A represents the loop or that part of the boot-strap into which to insert the finger in drawing the boot onto the foot, said loop being composed of metal and connected to a metal plate, B, by which it is attached to the boot-leg with the aid of the following instrumentalities. The plate B is provided with suitable apertures, *a a*, for the reception of clinching pins or rivets *r'*, which project from a washer, *b*, to be applied to the inner side of the boot-leg, said pins or rivets passing through the boot-leg and through the apertures *a* of the plate B, and being clinched or upset on the exterior of the latter, as shown in Figs. 5 and 6 of the drawings. In order to strengthen the aforesaid attaching device, I make the attaching-plate B and washer *b* concavo-convex, and place them with their con-

cave sides facing each other, as illustrated in Fig. 5 of the drawings.

If desired, the washer *b* may be provided with apertures coinciding with the apertures *a* of the plate B, and separate rivets or eye-lets may be used for securing said parts to the boot-leg.

For cheap boots the loop A and its attaching-plate B may be formed in one piece, as shown in Fig. 3 of the drawings. For the finer styles of boots I prefer to connect the loop A adjustably to the plate B by providing the upper portion of the said plate with a horizontal sleeve or roll, *r*, and forming the loop A of wire bent into proper shape, and in such a manner as to elastically press the two extremities of said wire toward each other, said extremities being bent to enter the roll *r* from opposite ends, and are held therein by the aforesaid elastic pressure, the loop A being thus hinged on its attaching-plate B. The ends of the roll *r*, I provide each with two notches, *n n*, respectively, on the upper and lower portion of the roll, the two arms of the loop A, adjacent to the hinged ends thereof, being elastically held in the aforesaid notches *n n*, and serve to hold the loop yieldingly either in an upward-projecting position, as shown in Figs. 1 and 2 of the drawings, and as required in the operation of drawing on the boot, or in a pendent or downward-projecting position, as shown in Fig. 4 of the drawings, the latter position obviating the danger of chafing the leg after the boot is drawn on.

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

The combination, with the loop A, of the plate B, connected with said loop and made concave on the side facing the boot-leg to which it is to be attached, and provided with apertures *a*, the washer *b*, formed concave on the side facing plate B, and rivets or clinchers for uniting said plate B and washer *b*, substantially as described and shown.

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, this 27th day of December, 1882.

JUDSON L. THOMSON. [L. s.]

Witnesses:

WM. C. RAYMOND,  
FREDERICK H. GIBBS.