

(No Model.)

F. M. BRATTON.

BOOT CRIMP.

No. 298,167.

Patented May 6, 1884.

Fig. 1.

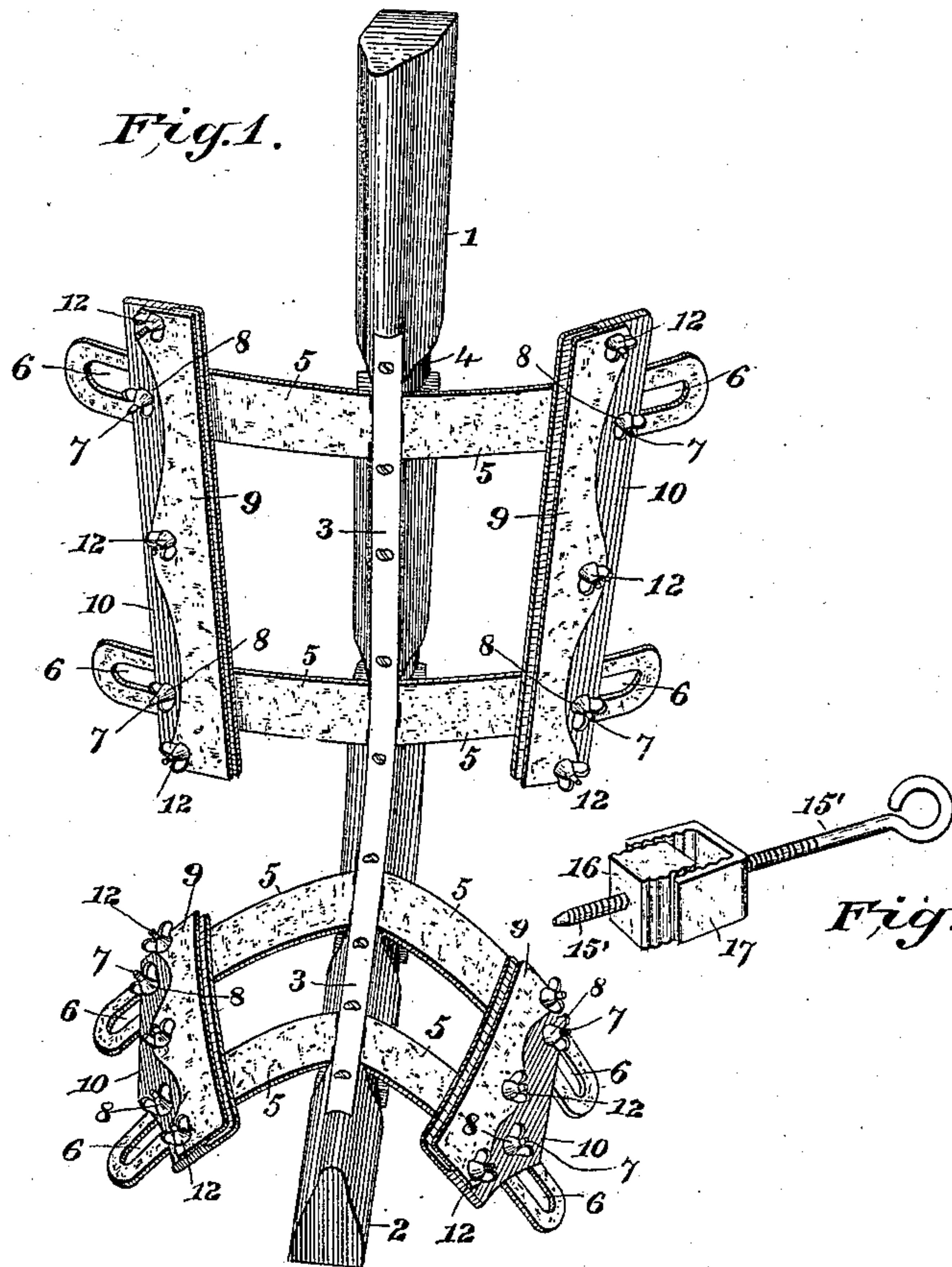


Fig. 5.

Fig. 3.

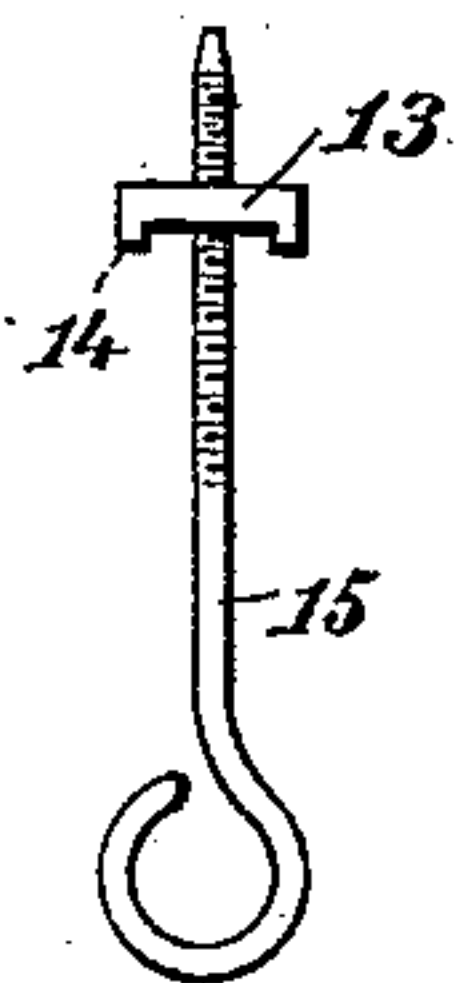


Fig. 2.

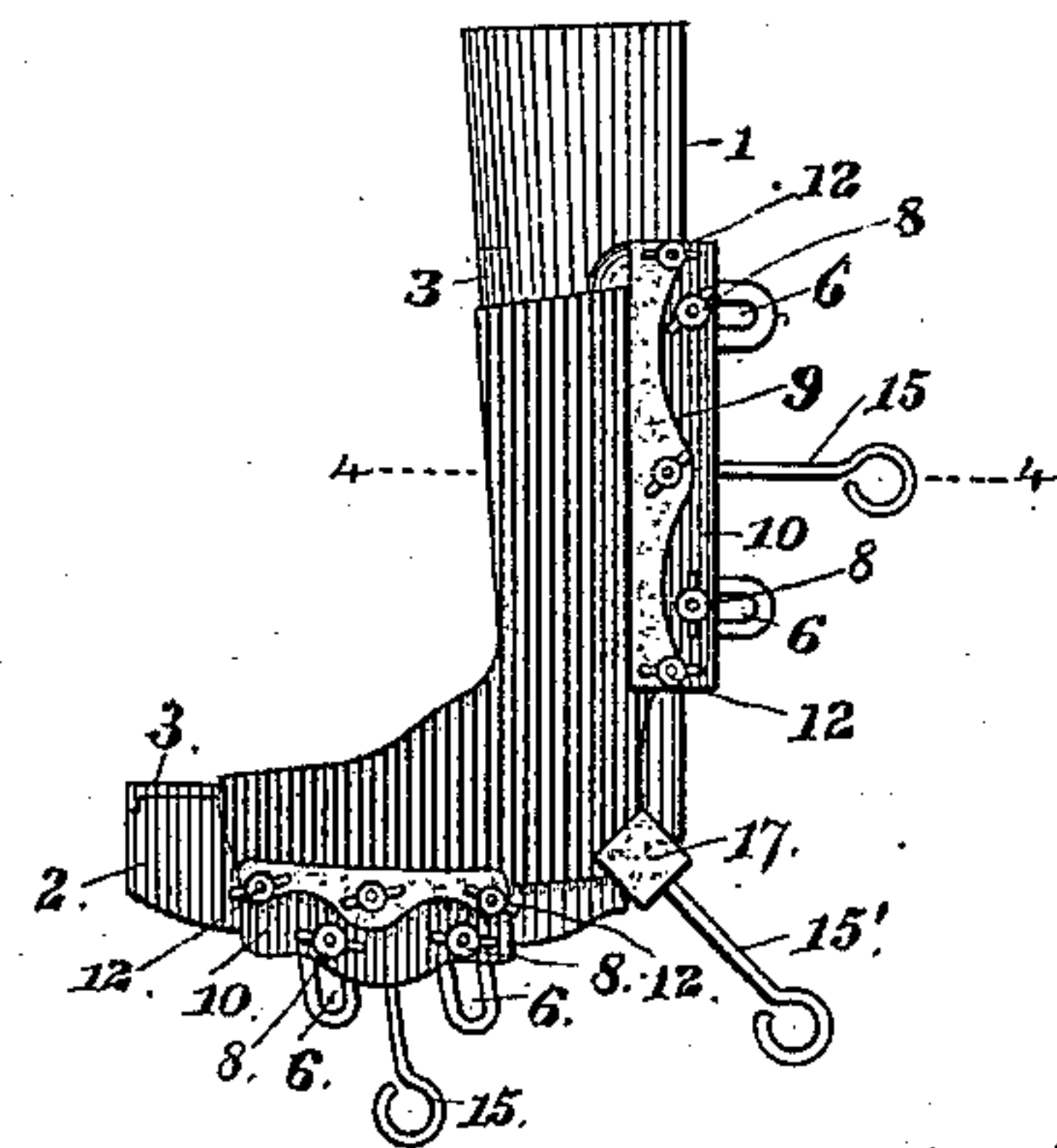
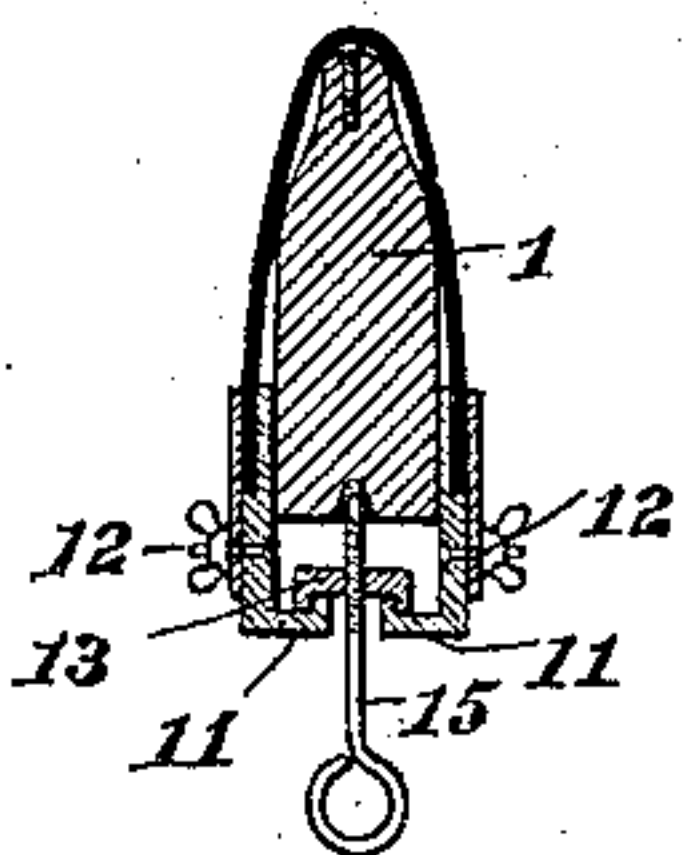


Fig. 4.



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BOOT-CRIMP.

SPECIFICATION forming part of Letters Patent No. 298,167, dated May 6, 1884.

Application filed July 14, 1883. (No model.)

To all whom it may concern:

Be it known that I, FRANCIS MARION BRATTON, a citizen of the United States of America, residing at Hamden Junction, in the county of Vinton and State of Ohio, have invented certain new and useful Improvements in Crimping, Breaking, and Stretching Boot and Shoe Fronts; 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 the letters and figures of reference marked thereon, which form a part of this specification.

My invention relates to improvements in apparatus for crimping and stretching leather for boot and shoe fronts in one and the same operation; and the object of my invention is to provide a simple device that is readily adapted for crimping and stretching the front of a boot and shoe from the smallest to the largest size.

The device consists of a foot and leg piece secured together at the top edge by a strip of metal which holds said pieces firmly together; or the foot and leg may be in one piece, the metal strip serving as a brace to strengthen the same. Hinged in recesses in the leg and foot pieces to the under side of the metal strip are plates, the outer ends of which are provided with slots for the reception of bolts, which bolts pass through the lower members of clamping-jaws, and serve to guide and fix said jaws in any desired position in the slots by means of thumb-nuts.

In order that the invention may be clearly understood, I will proceed to describe it with reference to the accompanying drawings, in which—

Figure 1 is a perspective view from the front of a device constructed according to my invention, the parts being extended. Fig. 2 is a side elevation, on a smaller scale, the parts being shown in operative position. Fig. 3 is a detail view, on a large scale, of one of the forms of nut and hand-screw employed for the stretching. Fig. 4 is a section on the line 4 4 of Fig. 2, showing the operative position of same. Fig. 5 represents the form of stretcher for the instep.

1 2 represent, respectively, the leg and foot

pieces of the device, which are connected by strip or bar 3, as shown in Fig. 1. Hinged beneath the bar 3, in recesses 4, are plates 5, the outer ends of which are provided with slots 6, for the reception of bolts 7, which pass through the lower member of clamping-jaws 9 10. The jaws 9 10 are locked in any desired position in slots 6 by ordinary thumb-nuts, 8, upon bolts 7. The jaws 9 10 consist of two metal plates, the lower one of which is of greater width, and is provided upon the outer edge with an L-shaped lug, 11, (see Fig. 4,) which operates in conjunction with the stretching-nut and hand-screw, presently to be described. The upper plate, 9, of the jaw is tightened and loosened by means of bolts and thumb-nuts 12. The nut and hand-screw is of simple construction, and its operation will be readily understood by reference to Fig. 4. The nut 13 is provided with ribs 14, which pass behind the lugs 11, so that by turning the hand-screw 15 the jaws 9 10 on each side are drawn back in the slots 6, and the leather stretched to the desired extent.

For stretching and crimping at the instep a clamping device is employed, which consists of a nut, 16, with corrugated or roughened sides, which acts in connection with a U-shaped piece, 17, the walls of which are similarly roughened upon the inside. The hand-screw 15' passes through nut 16, which is internally screw-threaded, and the leather to be stretched is clamped between the roughened faces of the parts 16 and 17. The inner end of the hand-screw 15', having a bearing upon the inside of the foot or leg piece, as desired, acts the same as 15 when turned.

The operation is as follows: The edges of the material to be stretched are placed in each of the jaws 9 10 when the device is in about the position shown in Fig. 1. The jaws are then tightened and swung back, together with the plates 5, to the position shown in Fig. 2, and are locked in this position by nuts and hand-screws 13 15. The device 15' 16 17 is then tightened to the desired extent, after which the hand-screws 15 are turned until the leg and foot parts are sufficiently stretched.

Having thus described my invention, the following is what I claim as new therein and desire to secure by Letters Patent:

1. A boot and shoe crimp consisting of a

body forming the legs and foot pieces provided with hinged arms which carry adjustable clamping-jaws, as and for the purpose explained.

5 2. A boot and shoe crimp and stretcher consisting of a body, 1 2, braced or secured together by strip or bar 3, provided with plates 5, carrying jaws 9 10, as and for the purpose set forth.

3. A boot and shoe crimp consisting of a body forming the leg and foot pieces provided with hinged arms which carry adjustable clamping-jaws, the lower member of said jaws

being provided with a lug, and having a nut, 13, and hand-screw 15, as and for the purpose 15 described.

4. The clamping-jaws 9 10, provided with lug 11, in combination with a nut, 13, and hand-screw 15, substantially as and for the purpose set forth.

In testimony whereof I affix my signature in presence of two witnesses. 20

FRANCIS MARION BRATTON.

Witnesses:

HUGH A. CAMERON,
HOMER C. JONES.