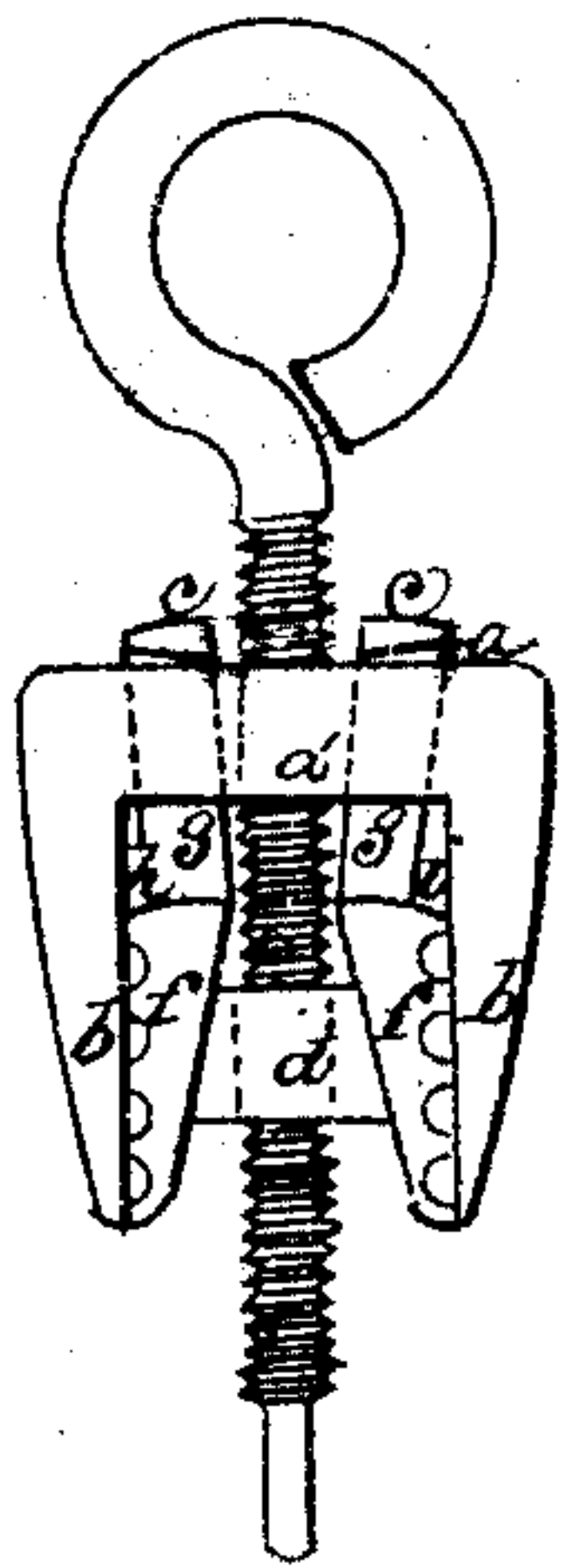
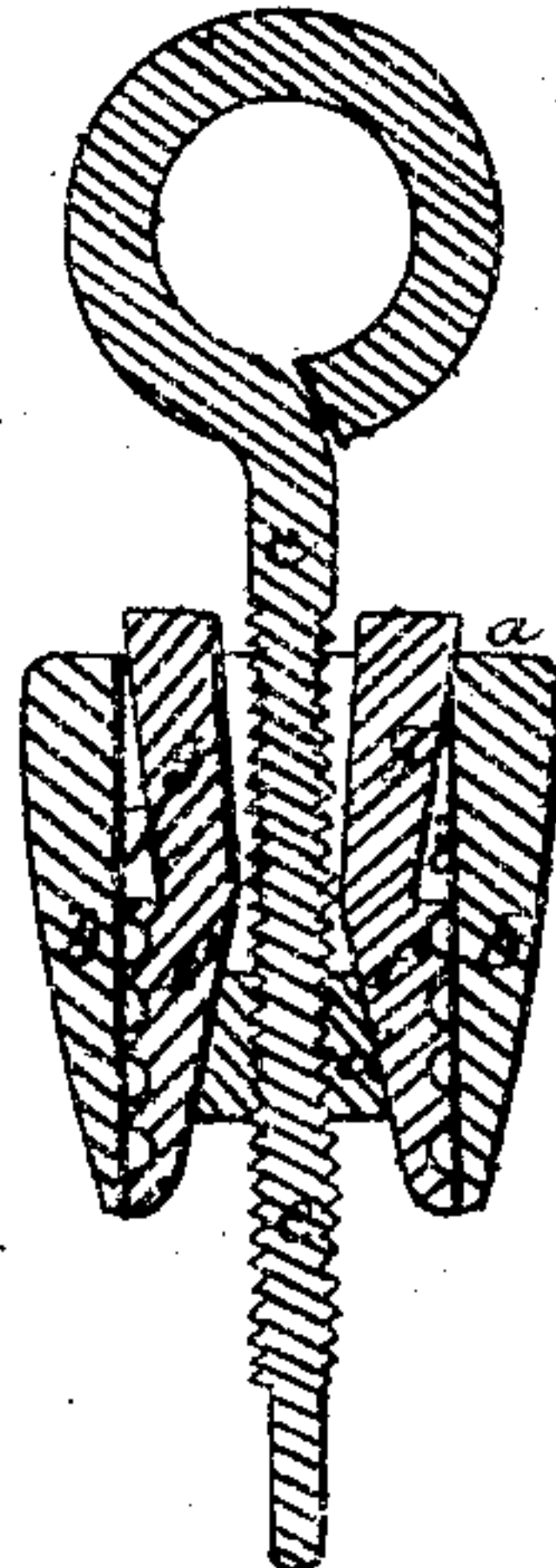


*A. J. F. Howard.*  
*Boot-Crimper.*  
*Nº 76079* *Patented Mar. 31, 1868.*

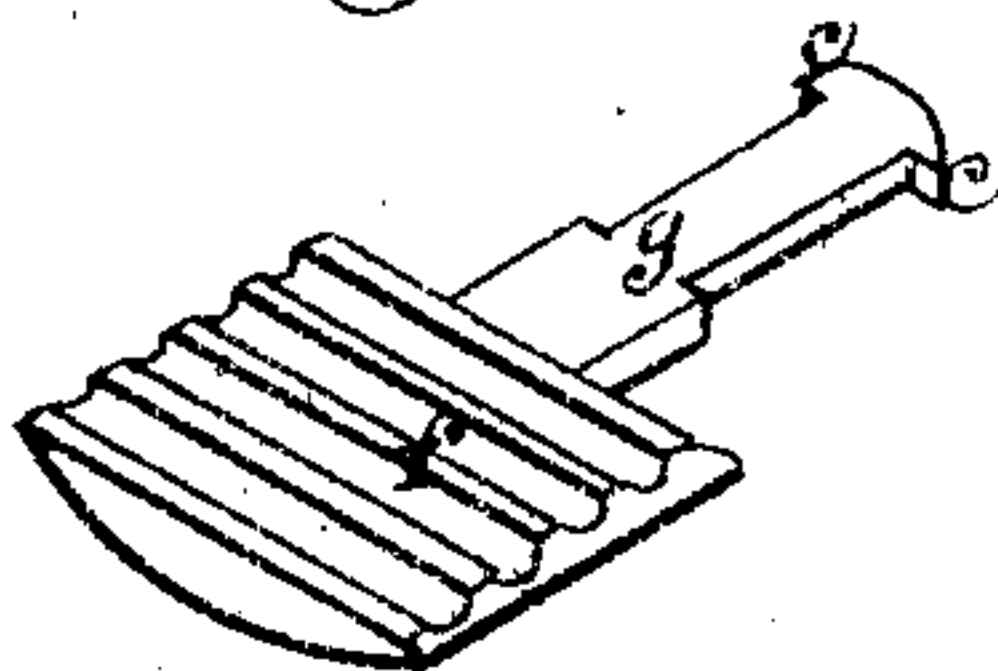
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



*Witnesses*  
*Edmund H. Hewins*  
*C. W. Baldwin*

*Inventor*  
*A. J. F. Howard*  
*By his Attorney,*  
*Frederick Curtis.*

# United States Patent Office.

ALONZO J. F. HOWARD, OF MILFORD, MASSACHUSETTS.

*Letters Patent No. 76,079, dated March 31, 1868.*

## IMPROVED BOOT-CRIMPER.

The Schedule referred to in these Letters Patent and making part of the same.

### TO ALL TO WHOM THESE PRESENTS SHALL COME:

Be it known that I, ALONZO J. F. HOWARD, of Milford, in the county of Worcester, and State of Massachusetts, have invented a new and useful Improvement in Boot-Crimpers; and I do hereby declare the following to be a full, clear, and exact description thereof, due reference being had to the accompanying drawings, making part of this specification, and in which—

Figure 1 is a side elevation,

Figure 2 a vertical section of a boot-crimper constructed in accordance with my invention;

Figure 3 being a perspective view of one of its roughened or serrated movable jaws.

This invention is an improvement in that class of boot-crimping devices in which are combined a jawed clasp, a pyramidal block, a straining-screw, and two movable clamping-jaws, the object of the invention being to leave the outer extremities or corners of the upper of a boot intact, or not scored or mashed by the serrated jaws of the implement, as well as to enable a workman to readily see such parts of the upper while applying the crimper to it.

The invention consists in extending or elongating the shanks of the movable jaws in such manner that the upper portion of the faces of the jaws shall be somewhat below the under side of the bridge of the clasp, and leave an interval between the two for reception of the corners of the upper, in manner as hereinafter explained and illustrated.

The accompanying drawings illustrate a boot-crimper, in which *a* is the yoke or clasp, its jaws or lips being shown at *b b*. *C* is the straining-screw, and *d* the pyramidal block or frustum, through which the straining-screw *e* is screwed.

The movable jaws are shown at *f f*, as arranged within the yoke *a*, and on opposite sides of the frustum *d*, and between it and the stationary jaws or lips *b b*, each movable jaw having a shank or neck, *g*, extending up from it, such arm, at its upper part, being provided with two lateral ears, *c c*, projecting from it, as represented.

The above is the construction of a boot-crimper as shown in United States Letters Patent, No. 66,035, and granted to De Witt C. Mowrey on the 25th day of June, 1867.

My invention, which may be considered in the light of an improvement upon the said patent of Mowrey, consists, as shown in fig. 3 of the drawings, in elongating the shanks *g g* of the movable jaws, and extending them below the bridge *a'* of the yoke *d*, and making them somewhat thinner than the serrated jaws *f f*, thus leaving a small interval or space, *h* or *i*, between such jaws and the adjacent part of the yoke, both at the sides and ends of such jaws.

It will readily be seen that the spaces *h h'* allow of the enclosure of the extreme corners of the uppers of the boots without abrading or indenting their surfaces, the advantage of which will at once manifest itself to practical boot and shoe manufacturers.

The spaces *h h'* also allow the workman to see and adjust the corners of the upper while applying the crimper to them, which cannot be done with the present construction of such crimpers.

The above-described improvement, although to persons unacquainted with the use of boot-crimpers, appearing very small, is in reality an important one, and one which will be understood and appreciated by those using the implement so constructed.

I claim as my invention, and desire to secure by Letters Patent of the United States—

The construction of the movable jaws *f f*, that is, as made with the elongated shanks *g g*, for the purpose of lowering the jaws *f f* below the top of the clasp *a*, and forming the spaces *h h'*, as and for the purposes before described.

ALONZO J. F. HOWARD.

Witnesses:

W. J. MANN,

C. A. SUMNER.