

L. Hill,

Crimping Leather.

N^o 8,503.

Patented Aug. 25, 1868.

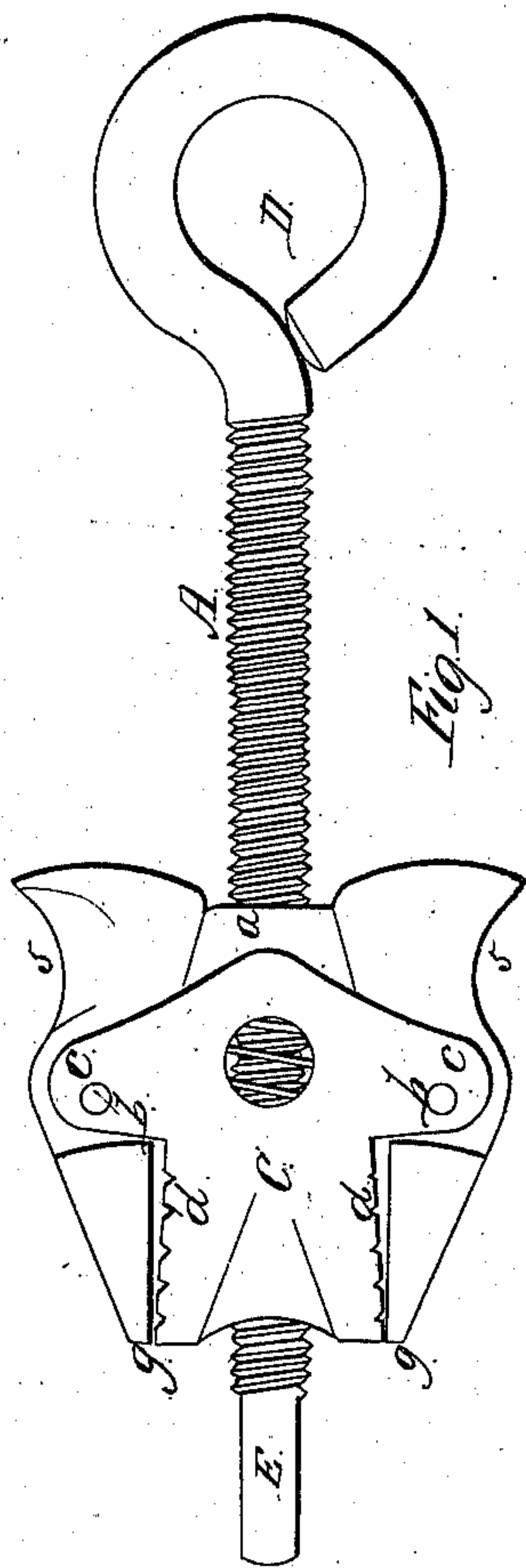


Fig. 1.

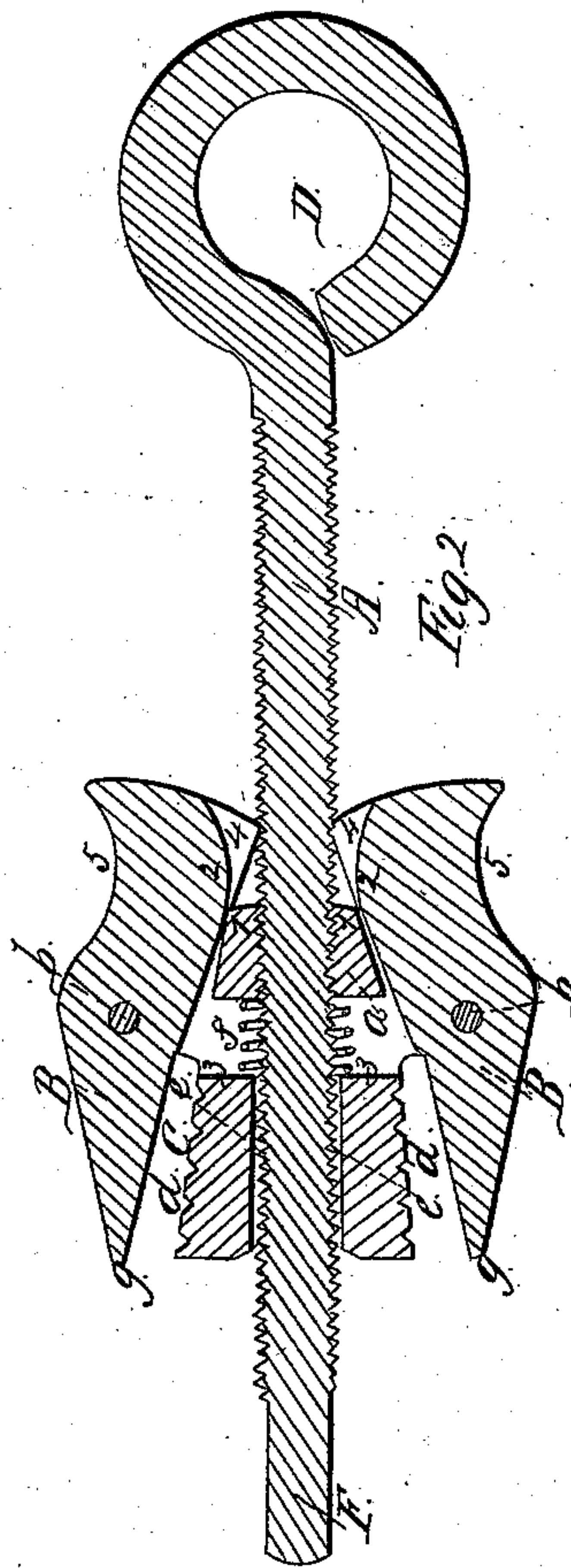


Fig. 2.

*Witnesses.
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LUCIAN HILL, OF NORTH BROOKFIELD, ASSIGNOR TO LAWSON HILL, OF
NORTH BROOKFIELD, MASSACHUSETTS.

Letters Patent No. 81,503, dated August 25, 1868.

IMPROVED CRIMPING-CLAMP.

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

TO WHOM IT MAY CONCERN:

Be it known that I, LUCIAN HILL, of North Brookfield, county of Worcester, and Commonwealth of Massachusetts, have invented certain new and useful Improvements in Boot-Crimping Clamps; and I do hereby declare that the following is a full, clear, and accurate description thereof, reference being had to the accompanying drawings, forming a part of this specification, and in which—

Figure 1 represents a side view of my improved boot-crimping clamp, and

Figure 2 represents a longitudinal central section of the same.

To enable those skilled in the art to which my invention belongs to make and use the same, I will proceed to describe it more in detail.

The nature of my invention consists in the combination of a spiral spring with the operating-nut and jaws of the clamp, as will be hereafter described.

In the drawings, the screw-spindle A is provided with a nut, *a*, the upper side, 1 1, of which is bevelled or inclined off to fit against the curved surfaces, 2 2, of the jaws B B, which are hinged or pivoted at *b b*, between the ears *c c* of the central jaw-piece C, which is corrugated or grooved out, as shown at *d d*.

The hole *e* through the jaw part C is made large enough to allow the screw-spindle A to play loosely therein.

A spiral spring, *f*, is interposed between the nut *a* and the shoulders 3 3 of the jaw-piece C.

The rear inner sides of the hinge-jaws B B are grooved out, as shown at 4 4, to fit the screw-spindle A, while their rear outer sides are made with concave or curved surfaces 5 5, as fully shown in the drawings.

Screw-spindle A is provided with a loop or ring, D, and with a smooth point, E.

The operation is as follows: The screw-spindle A being held in the hand, and the rear of the jaws B B being compressed upon the spindle A, causes the jaws to open and recede from the point E of the spindle A, as fully indicated by fig. 2 of the accompanying drawings.

The jaws are opened and drawn back in consequence of being forced against the inclined sides 1 1 of the nut *a*, which remains stationary during the operation.

The point E of the screw-spindle A is now placed against or in a hole in the crimping-board or plate, upon which the "upper" is arranged in the usual way, the edges of the upper entering between the open jaws on each side.

The operator now releases the rear ends of the hinged jaws B B, when the compressed spiral spring *f*, acting upon the shoulders 3 3 of the stationary jaw part C, forces that, together with the hinge-jaws B B, towards the crimping-bar, thereby forcing the inner rear sides of the hinge-jaws B B against the inclined sides of the nut *a*, which causes the front ends *g g* to close upon and clasp the sides of the upper against the corrugated sides *d d* of the jaw-piece C.

The operator now, by turning the screw-spindle A, by means of the ring D, can draw nut *a* back against the curved sides 2 2 of jaws B B, thereby forcing the jaws closer together, while at the same time forcing them back, and drawing the upper, with great force, into the curve of the crimping-bar.

My boot-crimping device is very convenient, and can be applied with ease and accuracy, much more so than those heretofore in use.

Having described my improved boot-crimping clamp, what I claim therein as new and of my own invention, and desire to secure by Letters Patent, is—

1. The combination, with the jaw part C, spindle A, and nut *a*, of the spiral spring, substantially as and for the purposes set forth.

2. The combination, with the jaw part C, screw-spindle A, and hinged jaws B B, of the spiral spring *f* and nut *a*, substantially as and for the purposes set forth.

3. The combination, with the jaw part C and nut *a*, of the hinged jaws B B, substantially as and for the purposes set forth.

LUCIAN HILL.

Witnesses:

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H. A. KNIGHT.