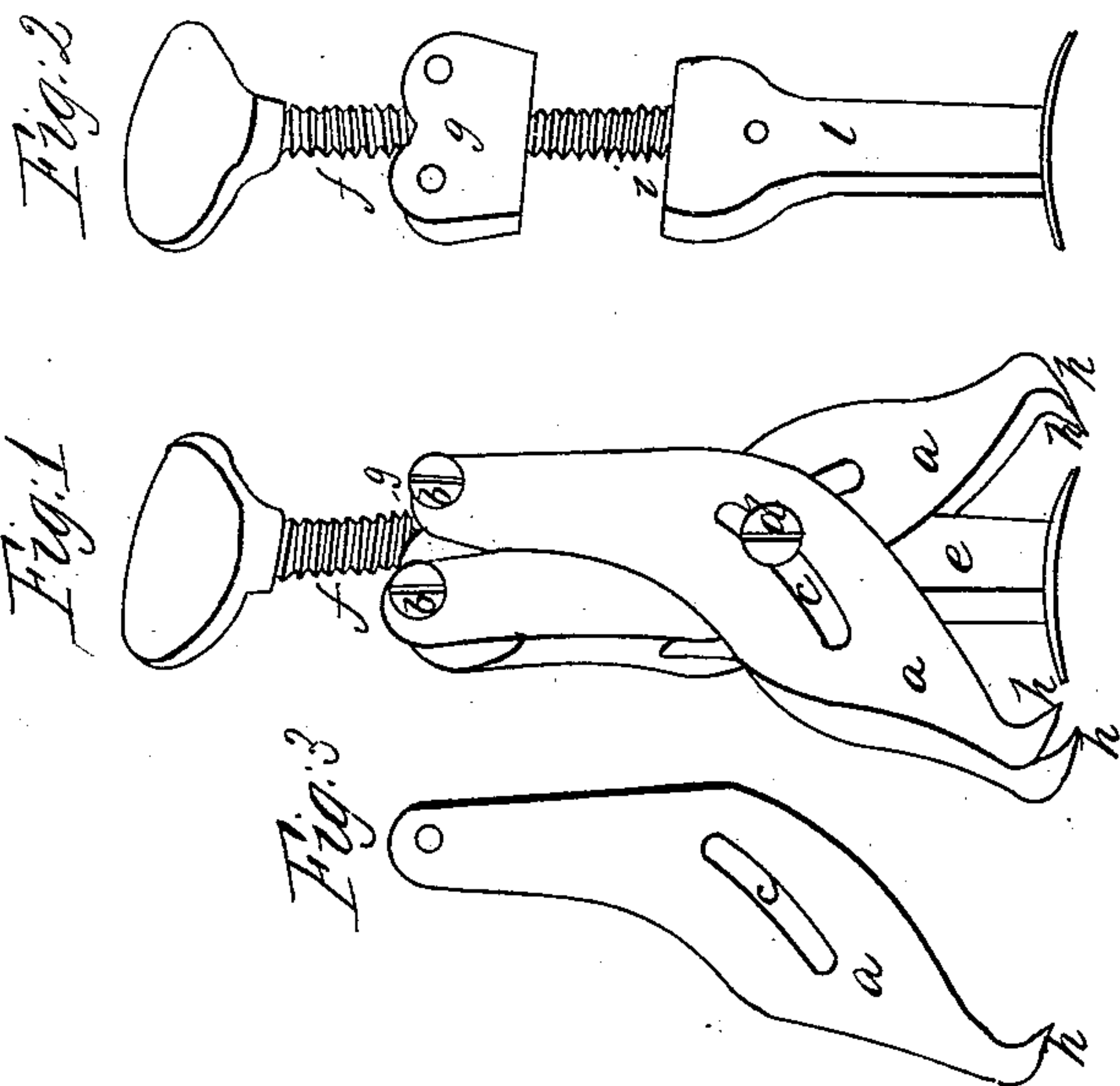


B. Livermore,
Boot-Lasting Machine,
No. 9,216, Patented Aug. 24, 1852



UNITED STATES PATENT OFFICE.

BENJAMIN LIVERMORE, OF HARTLAND, VERMONT.

INSTRUMENT FOR LASTING BOOTS.

Specification of Letters Patent No. 9,216, dated August 24, 1852.

To all whom it may concern:

Be it known that I, BENJAMIN LIVERMORE, of Hartland, in the county of Windsor and State of Vermont, have invented a new and
5 useful Improvement on Instruments for Lasting Boots and Shoes, called the "Lasting Instrument;" and I do hereby declare that the following is a full and exact description of the construction and operation
10 of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1, is a perspective view of the instrument. *a a a a* are four arms hung at
15 their upper ends on the nut *g* by the bolts *b, b*. *c* is a slot cut in the arms, *a a a a* through which the bolt *d*, passes. *i* is a standard the lower end of which is intended to rest against the last and at its upper end
20 reaches just above, and is pulled through by the bolt *d*. *f* is a screw the end of which is without a thread and enters and turns freely in the upper end of the standard *e*, as shown at *i*, in Fig. 2. *g* is a nut through which the
25 screw *f* passes and to which the arms *a, a, a, a*, are attached by the bolts *b, b*.

Fig. 2 represent the screw *f*, the nut *g*, and the standard *e* in their proper position without the arms *a, a, a, a*, attached to them.

Fig. 3 represents the form of one of the 30 arms, and *h* is a hook or tooth with which the leather is held.

To operate the instrument I place the standard against the last and fasten the teeth *h, h, h, h*, to the edge of the upper of 35 the boot or shoe, and by turning the screw *f* the proper way the arms *a, a, a, a*, are drawn upward and by the operation of the bolt *d* in the slot *c* the lower ends of the arms are drawn inward toward the standard 40 *e* thus drawing the upper of the boot or shoe over the last.

I do not claim as my invention the screw *f*, the standard *e*, the nut *g*, or the arms
45 *a, a, a, a*, but

What I do claim as my invention and desire to secure by Letters Patent is—

The mode of bringing the arms together by the means of the slots in the arms, and the bolt operating in the slots when this is 50 used in combination with the standard *e* substantially in the manner herein described.

BENJAMIN LIVERMORE.

Witnesses:

SAML. J. EVANS,
CHARLES WILLIAMS.