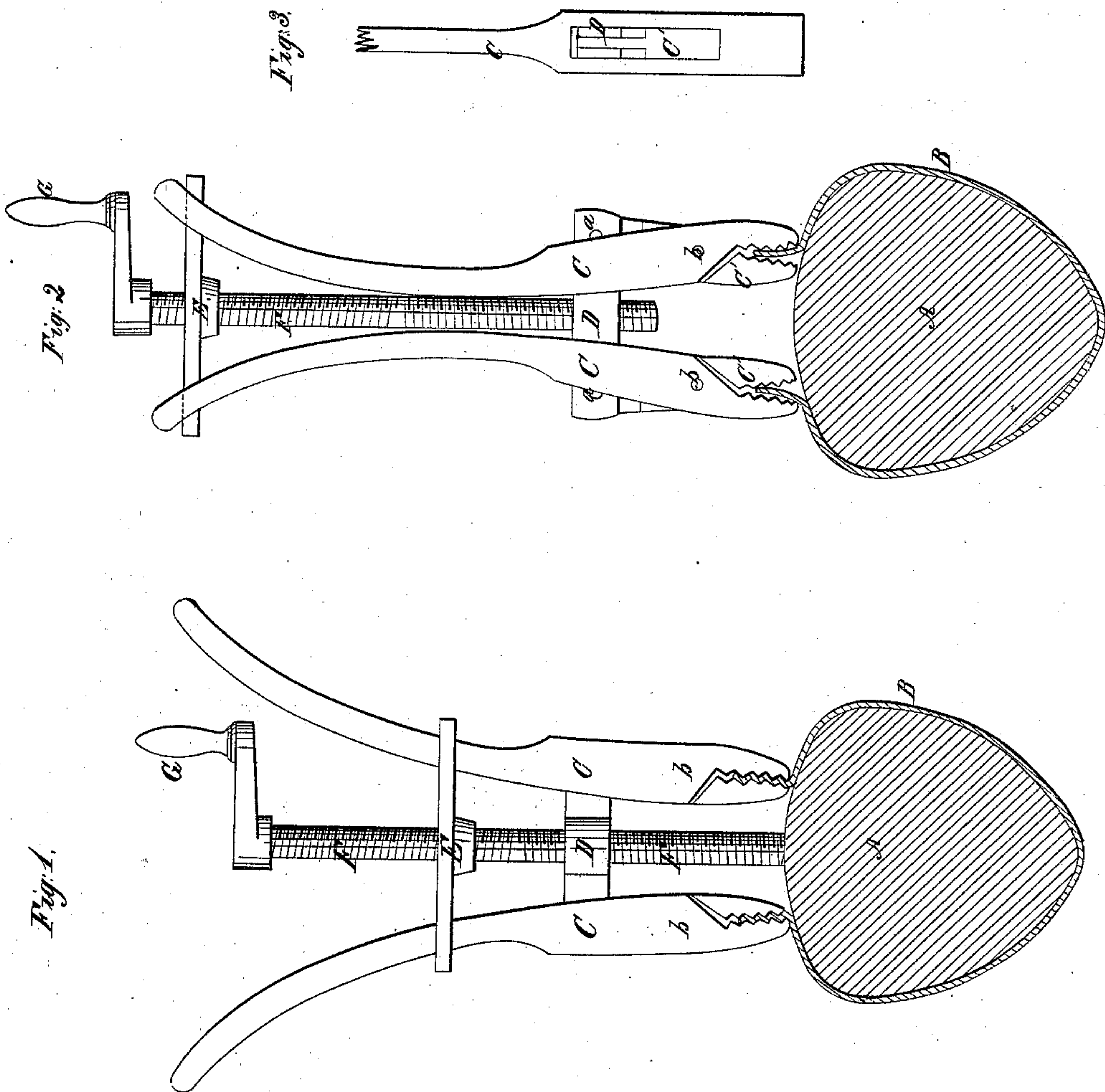


A. West,
Lasting Machine,
No. 42,451, *Patented Apr. 19, 1864.*



Witnesses:

J. Henry Hutz

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Inventor:

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by

Thomas F. Dodge

his Atty

UNITED STATES PATENT OFFICE.

ANDREW WEST, OF CANTON, ASSIGNOR TO HIMSELF AND JOHN STAUB,
OF SPARTA, OHIO.

IMPROVED LASTING-PINCHERS.

Specification forming part of Letters Patent No. 42,451, dated April 19, 1864.

To all whom it may concern:

Be it known that I, ANDREW WEST, of Canton, in the county of Stark and State of Ohio, have invented a certain new and useful Improvement in Pinchers for Lasting the Shanks of Boots and Shoes; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, which form a part of this specification, in which—

Figure 1 represents a front view of my improved device when applied to use, the lasts and upper leather only being shown in connection therewith, and they in section. Fig. 2 represents a similar view, the screw-head E being raised to permit the jaws to open. The upper ends of the arms C C pass through E. Fig. 3 represents a detached section of some of the parts.

In the drawings, A represents the last, B the upper leather, and upon both of which my device acts, as will now be described.

My improved lasting-pinchers are made up of a spindle, F, upon the upper end of which a left-handed screw-thread is cut, which works through the screw-head E, while the lower end of said spindle has a right-handed screw-thread cut thereon to work into and through the hinged fulcrum-head D, whose ends pass through slots made in the lower ends of the jaw-arm C C, and are then hinged to the upper ends of the short jaw-arms C' C', which also pass through the same slots in the lower ends of the jaw-arms C C that the fulcrum-head D does. The short jaw-arms C' C' are pivoted to the arms C C at *b b*, as fully indicated in the drawings. The lower ends of the jaws are grooved out to work into each other, so as to

insure a firm grasp upon the leather, while the upper ends of the arms C are curved out, whereby, when the operator desires to use the instrument he takes hold of crank-handle G and turns the spindle F so as to draw the head E up to the top of the spindle, when, by grasping the upper ends of arms C C, the jaws will open freely, and the pinchers are now placed astride the last, the upper leather on each side being placed in the jaws, after which the crank is turned so as to force down the head E, thereby causing the jaws to close firmly upon the leather, while the lower end of the spindle F, as soon as it comes upon the inner sole (which should first be placed upon the last, although not shown in the drawings) raises the pinchers and upper leather over the inner sole, and at the same time draws the leather firmly and tight about the shank, where it can be fastened by pegs or nails, and the pinchers then removed by simply turning handle G in an opposite direction so as to raise head E, as seen in Fig. 2. The greater the force exerted in lasting the shanks of boots and shoes the firmer will the jaws grasp the leather.

Having described my improved pinchers for lasting the shanks of boots and shoes, what I claim and desire to secure by Letters Patent as a new article of manufacture, is—

A pair of boot and shoe lasting-pinchers, constructed substantially as above described and as shown in the accompanying drawings.

ANDREW WEST.

Witnesses:

JOHN BAKER,
J. CREVOISIR, Jr.