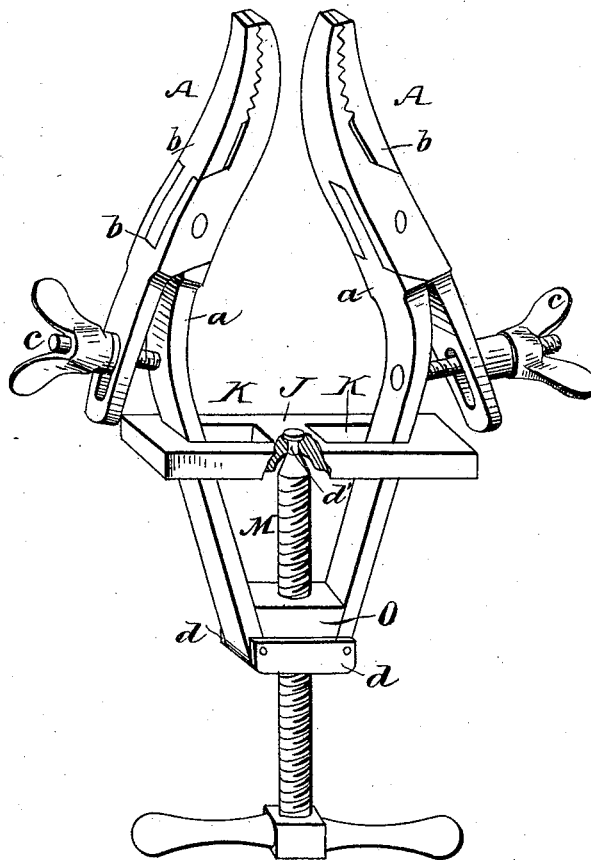


(No Model.)

F. B. BEYERLE.
SHANK LASTING APPARATUS.

No. 343,360.

Patented June 8, 1886.



WITNESSES:

John H. Deemer
C. Sedgwick

INVENTOR:

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UNITED STATES PATENT OFFICE.

FRANK B. BEYERLE, OF NEW YORK, N. Y.

SHANK-LASTING APPARATUS.

SPECIFICATION forming part of Letters Patent No. 343,360, dated June 8, 1886.

Application filed December 2, 1885. Serial No. 184,471. (No model.)

To all whom it may concern:

Be it known that I, FRANK B. BEYERLE, of the city, county, and State of New York, have invented a new and Improved Shank-Lasting Apparatus for Boots and Shoes, of which the following is a full, clear, and exact description.

My invention relates to certain improvements in Letters Patent No. 259,082, which were granted to Frank Beyerle June 6, 1882.

The invention consists of the construction, arrangement, and combination of parts, all as hereinafter described and claimed.

Reference is to be had to the accompanying drawing, forming part of this specification, in which the figure is a perspective view of my new and improved shank-laster, the sliding plate being broken away to show the attachment thereto of the operating-screw.

The leather-clamps A A, consisting of the main jaw-arms *a a* and the outer jaws, *b b*, pivoted thereto and operated by thumb-screws *c c*, are of the same construction and operation as shown and described in the above-mentioned patent, except that the jaw-arms *a* are jointed together at their lower ends by the connections *d*. The sliding plate J is slotted at K K to embrace and operate the jaw-arms *a a*, and is of the same essential construction as described in said patent, except that it is connected to the inner end of the operating-screw M by the swivel *d'*. The screw M works in a nut, O, which in the operation of the tool is held stationary by the connections *d*. The connections *d* constitute flexible connections

for the jaw-arms *a*, as they are simply narrow plates pivoted at their ends to the side edges of the jaw-arms, so the jaw-arms are free to open and close accordingly as the plate J is moved up or down upon the lower diverging portions of the jaw-arms.

The operation of the improved tool is the same as described in the above-mentioned original patent.

By joining the jaw-arms *a a* together and swiveling the operating-screw to the plate J the laster is much more convenient and rapid in use than when these parts are separated, and there is no time lost and no annoyance in getting the parts together and in holding them in place when they are to be applied to the upper for drawing it over the last.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

As an improved article of manufacture, a shank-laster consisting in the jaw-arms *a a*, having the pivoted jaws *b b*, the links *d d*, pivotally connecting the ends of the jaw-arms to allow relative longitudinal movement thereof, the separate and independent nut O between the ends of the jaw-arms and the links, the slotted plate J, and the screw M, passed through the nut O and operating at its inner end against the center of the plate between its slots K K, substantially as set forth.

FRANK B. BEYERLE.

Witnesses:

H. A. WEST,
C. SEDGWICK.