

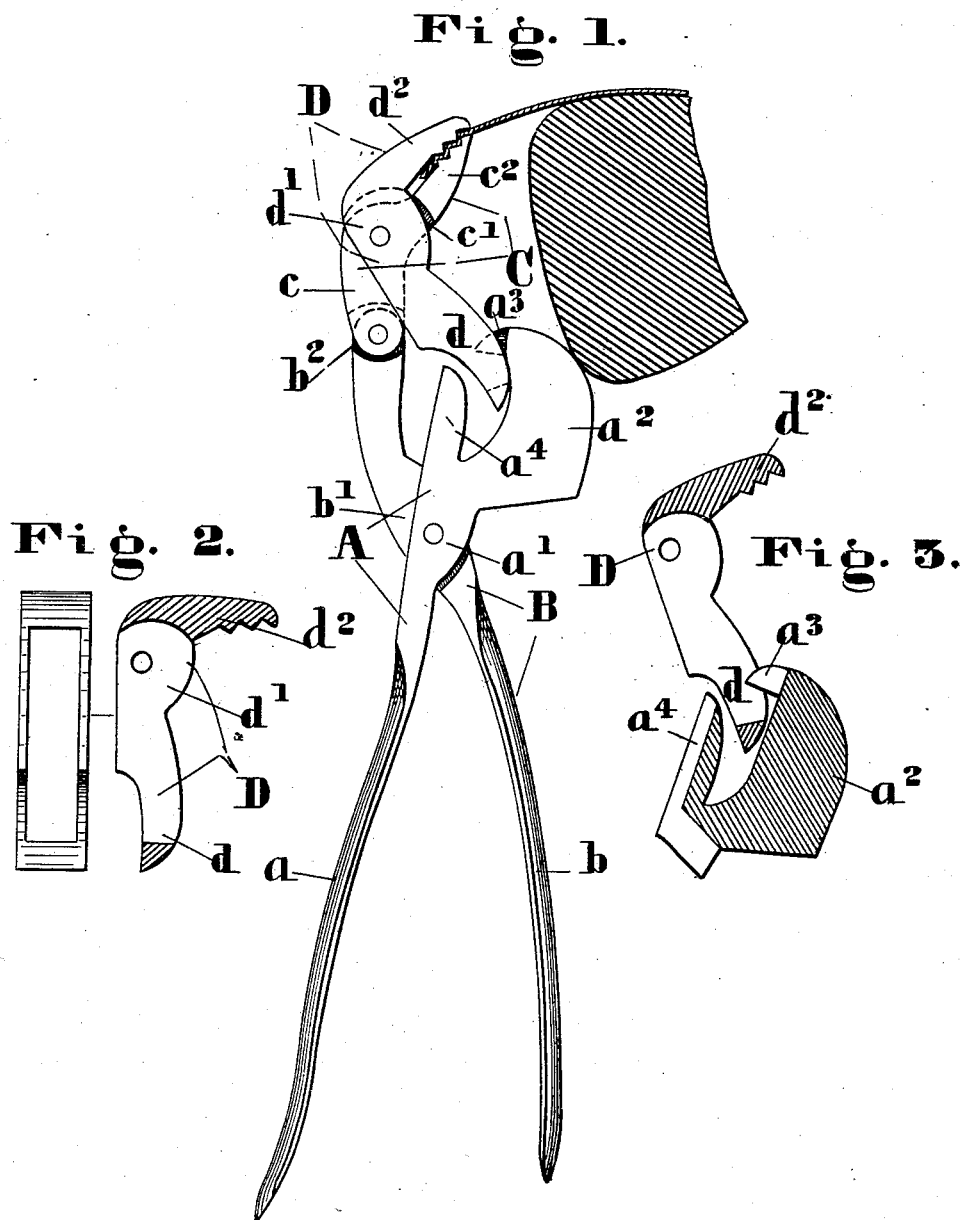
(No Model.)

F. HENDERSON.

LASTING TOOL.

No. 265,803.

Patented Oct. 10, 1882.



WITNESSES:

F. S. West.

R. A. Kelly.

INVENTOR:
FREDERICK HENDERSON,
BY

H. W. Beadle & Co.
ATTYS.

UNITED STATES PATENT OFFICE.

FREDERICK HENDERSON, OF NEW RICHMOND, OHIO.

LASTING-TOOL.

SPECIFICATION forming part of Letters Patent No. 265,803, dated October 10, 1882.

Application filed August 10, 1882. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK HENDERSON, of New Richmond, county of Clermont, and State of Ohio, have invented new and useful Improvements in Lasting-Tools; and I do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

10 This invention relates to that class of shoemakers' appliances which are shown in my Letters Patent Nos. 87,773 and 104,733; and it consists in certain details of construction, by means of which a more efficient tool is obtained.

15 In the drawings, Figure 1 represents a side elevation of the tool in proper position for use, and Figs. 2 and 3 detailed views of various parts.

20 To enable others skilled in the art to make my improved tool, I will proceed to describe fully the construction of the same.

A represents a lever-arm, consisting of the handle portion *a* at the rear end of the same, the pivot portion *a'* near the front end, the enlarged bearing portion *a²* at the front end on the lower side, having the projecting stop *a³*, and the finger portion *a⁴* at the front end on the upper side, as shown.

30 B also represents a lever-arm, consisting of the handle portion *b* at the rear end of the same, the pivot portion *b'* near the front end, and the tongue or projection *b²* at the front end, as shown.

35 C represents the lower jaw of the pinchers, consisting of the shank portion *c*, adapted to take the tongue *b²* of the arm B, the central pivot portion, *c'*, and the flattened gripping portion *c²*, having serrations, as shown.

40 D represents the upper jaw of the pinchers, consisting of the shank portion *d*; having a curved bearing end, as shown, the central pivot portion, *d'*, and the flattened gripping portion *d²*, having serrations, as shown. The curved

bearing end of the shank portion corresponds in shape with the recess formed between the upper face of the enlarged bearing portion *a²* and the lower face of the finger portion *a⁴*. This curved bearing end is adapted to move freely within the recess in a longitudinal direction between the limits of the stop *a³* and the rear wall of the recess.

The operation is substantially as follows: The front end of the lever being placed upon the side of the last, as shown in Fig. 1, the leather upon the opposite side may be caught by the pincher-jaws when the curved end of the shank portion *d* is at the front end of the recess. Then by pressing down upon the upper handle the curved bearing end of the shank *d* is forced up the inclined plane of the enlarged portion *a²*. By means of this action the necessary backward and downward movement is given to the jaws to bring the leather over and down upon the last. The rounded face of the enlarged portion *a²* rolls upon the side of the last during this action, and this furnishes the proper leverage without the slightest injury to the leather upon which it rests. The special advantage of this construction is that by means of the loose shank *d* it is possible to strongly grip the leather before the drawing action commences.

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

The tool described, having the arm B and jaw C, combined with the arm A, having the enlarged bearing portion *a²* and finger *a⁴*, and the jaw D, having the pivoted shank *d*, adapted to move in the open recess between the finger and the enlarged portion, as described.

This specification signed and witnessed this 8th day of August, 1882.

FREDERICK HENDERSON.

Witnesses:

JOHN T. MERCER,
C. E. DIMMICK.