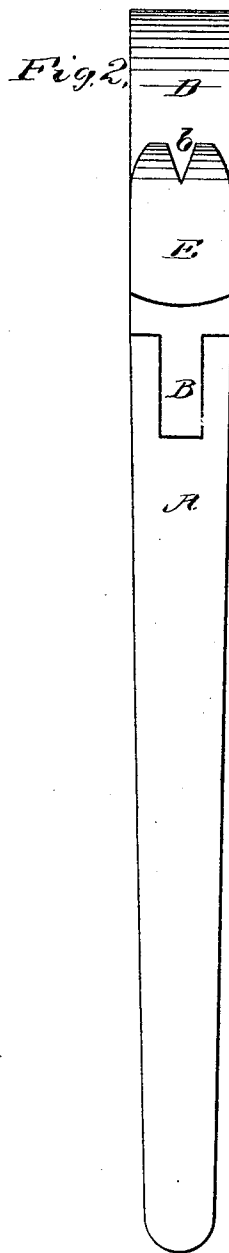
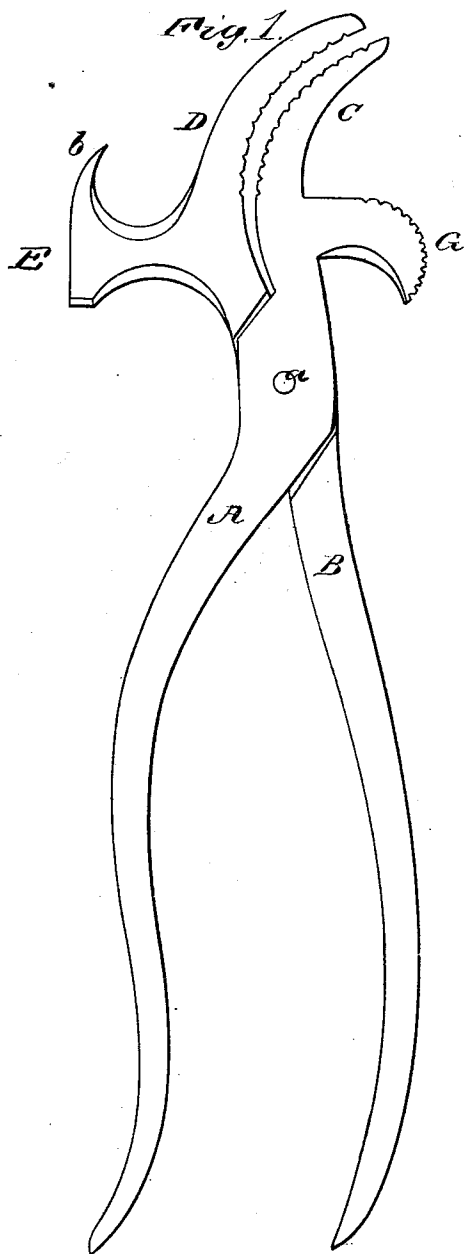


W. H. & D. G. HOUSE.

LASTING-TOOLS FOR BOOTS AND SHOES.

No. 178,442.

Patented June 6, 1876.



WITNESSES

Mc. P. Utley.
George C. Kephau.

INVENTOR *W. H. & D. G. HOUSE.*

Douglas G. House.
Gilmore, Smith & Co.
ATTORNEYS.

UNITED STATES PATENT OFFICE.

WILLIAM H. HOUSE AND DOUGLAS G. HOUSE, OF GENEVA, OHIO,
ASSIGNORS OF ONE-THIRD THEIR RIGHT TO DUANE WESTCOTT, OF
SAME PLACE.

IMPROVEMENT IN LASTING-TOOLS FOR BOOTS AND SHOES.

Specification forming part of Letters Patent No. **178,442**, dated June 6, 1876; application filed
April 8, 1876.

To all whom it may concern:

Be it known that we, WILLIAM H. HOUSE and DOUGLAS G. HOUSE, of Geneva, in the county of Ashtabula and State of Ohio, have invented a new and valuable Improvement in Pinchers and Boot-Lasters; and we do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a side elevation of our pinchers and boot-lastesters, and Fig. 2 is a plan view of the same.

The nature of our invention consists in the construction and arrangement of a combined pinchers and boot-laster, as will be hereinafter more fully set forth.

In the annexed drawing, A and B represent two levers or handles, formed respectively with the downwardly-curved jaws C and D. The lever A is slotted at or near the base of its jaw C, and the lever B passed through the same and pivoted at *a*.

The jaws C and D are corrugated, or otherwise roughened, on their adjoining surfaces,

and their outer ends are made wider than the body of the jaws so as to present a wider surface to the leather.

On top of the jaw D is formed a hammer, E, with claw *b* at its front end. On the under side of the jaw C, at or near the base thereof, is formed a lip, G, which is curved downward and backward, and is corrugated on its front and under surface. This lip forms the fulcrum for stretching the leather, and, being corrugated, is not liable to slip.

What we claim as new, and desire to secure by Letters Patent, is—

The improved boot-laster, consisting of the handles or levers A B, and jaws C D, the curved and corrugated under lip G, and the combined hammer and claw E *b*, all constructed as and for the purpose set forth.

In testimony that we claim the above we have hereunto subscribed our names in the presence of two witnesses.

WM. HENRY HOUSE.
DOUGLAS GRIFFIN HOUSE.

Witnesses:

E. C. CUSHMAN,
H. W. TURNER.