J. T. WALKER.

Horseshoe-Blank.

No. 163,555. Patented May 18, 1875.

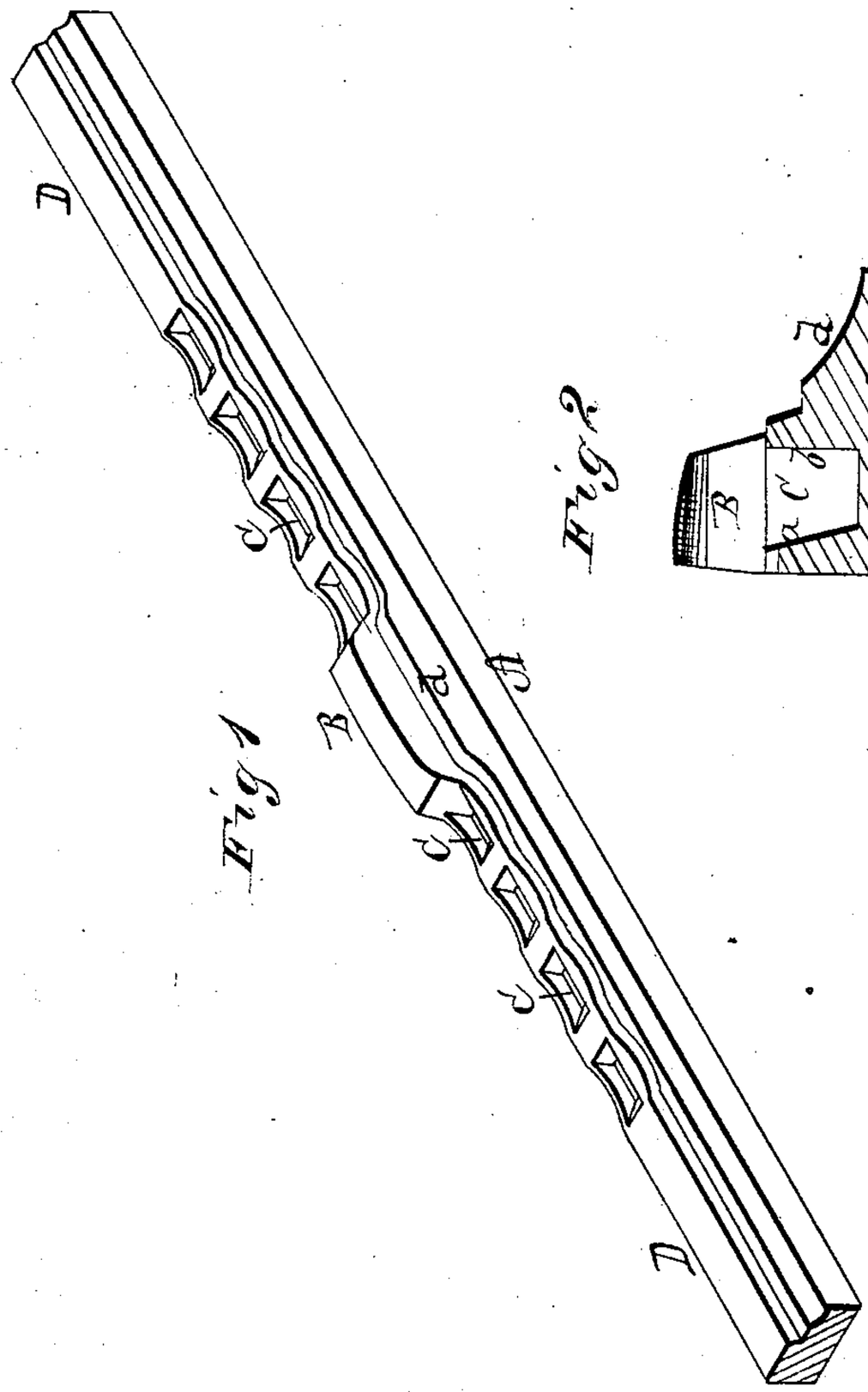

Fig. 1

Fig. 2

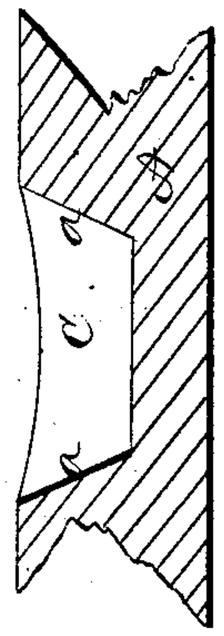

Fig. 3

WITNESSES
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UNITED STATES PATENT OFFICE.

JAMES T. WALKER, OF ALBANY, NEW YORK.

IMPROVEMENT IN HORSESHOE-BLANKS.

Specification forming part of Letters Patent No. **163,555**, dated May 18, 1875; application filed April 17, 1875.

To all whom it may concern:

Be it known that I, JAMES T. WALKER, of Albany, in the county of Albany and in the State of New York, have invented certain new and useful Improvements in Horseshoe-Blanks; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon, making a part of this specification.

The nature of my invention consists of a straight rolled horseshoe-blank, having the toe-calk projection solid therewith, and of about half the width of the bar, and having the indentations for the nail-holes, as more fully hereinafter set forth.

In the annexed drawing, Figure 1 is a perspective view of my horseshoe-blank. Figs. 2 and 3 are enlarged sections through one of the countersinks.

A represents the bar or blank, rolled of Bessemer steel or other suitable metal, between rolls of such form that on that portion of the blank which, when bent, will form the toe of the shoe, there shall be left a projection, B, to make the toe-calk, and hence the shoe need only have the heel-calks turned to be ready for use.

It will be seen that the toe-calk projection B does not extend the entire width of the metal blank, but is of a width just sufficient to form a proper toe-calk. Blanks D D are left at each end of the bar for the heel-calks, which are formed by simply bending over the metal after the shoe is bent into shape.

It will thus be seen that I form a bar or blank rolled in such form that at the toe, and nowhere else, there is left a projecting part of the metal which forms the toe-calk when the blank is bent into shape for a shoe.

The shoe formed from my blank only differs in form from the common market shoe in that it has the toe-calk already formed thereon, and does not require the welding on of said calk by the blacksmith.

By having the toe-calk B a part of the blank or bar A itself, the need of welding one on is obviated and a source of weakness in horseshoes done away with. In the blank or bar A, while rolling, are formed the countersinks C C for the heads of the nails. Each of these countersinks are formed with three inclined sides, *a a*, and one straight side, *b*. This form of the countersink allows the proper driving of the nail and also the riveting them down properly, as the countersink will gripe the lower portion of the head and still allow for the upper portion to expand while riveting.

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

The straight rolled horseshoe-blank described—that is to say, having the toe-calk projection B solid therewith, and of about half the width of the bar, and the indentations C, of the shape substantially as described, for the nail-holes, as and for the purposes set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 18th day of March, 1875.

JAMES T. WALKER.

Witnesses:
JAMES YETTO, Jr.,
ROBT. BAINBRIDGE.