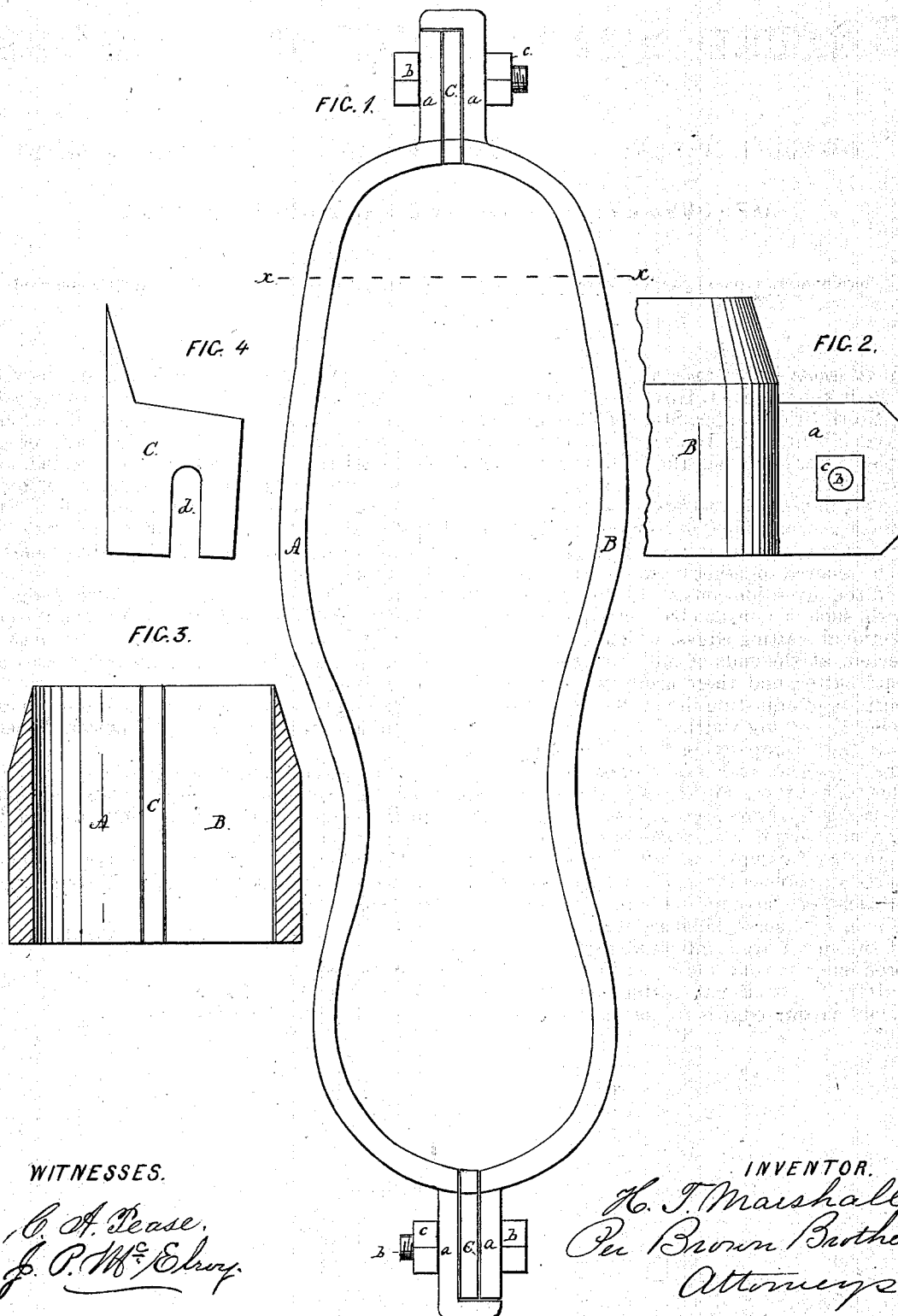


H. T. MARSHALL.
Boot and Shoe Sole Cutters.

No. 146,261.

Patented Jan. 6, 1874.



WITNESSES.

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HOWARD T. MARSHALL, OF NORTH BRIDGEWATER, MASSACHUSETTS.

IMPROVEMENT IN BOOT AND SHOE SOLE CUTTERS.

Specification forming part of Letters Patent No. **146,261**, dated January 6, 1874; application filed November 19, 1873.

To all whom it may concern:

Be it known that I, HOWARD T. MARSHALL, of North Bridgewater, State of Massachusetts, have invented an Improved Boot and Shoe Sole Cutter, of which the following is a specification:

This improved boot and shoe sole cutter or punch is constructed in two longitudinal parts or sections, which, at their ends, are adapted to be secured together by screw-bolts and nuts; and the invention consists in the combination, with such a constructed punch or cutter, of sectional cutting-edges, which are to be inserted, at the ends of and between the two-part cutter, and there firmly secured for the purpose of adjusting the cutter for cutting out soles of varying widths.

In the accompanying plate of drawings, Figure 1 is a plan view of my improved boot and shoe sole cutter; Fig. 2, a side elevation at one end; Fig. 3, a cross-section, line *xx*, Fig. 1; Fig. 4, a side view of a sectional cutting-piece.

In the drawings, A and B represent the two parts of a sole-cutter. These parts A and B, at each end, have an outward ear-piece, *a*, by which, with screw-bolts *b* and nuts *c*, the parts of the cutter are firmly fixed together for use, producing a continuous cutting-edge to the cutter; C a sectional cutting-edge. This sectional cutting-edge is for use between the two

parts of the cutter, and it is applied between them as shown, (see Fig. 1,) and with the bolts *b* and nuts fixed in place. This sectional cutter-edge obviously increases the width of the cutter at the end to which it is applied, and by the use of one at each end the cutter is adapted for an increased width of sole. With sectional cutting-edges of different widths, obviously, the cutter can be adapted for soles of varying widths.

In order that the sectional cutting-edge C may be the more perfectly adjusted to the cutting edge of the two-part cutter, it is best to elongate the hole *d*, through which passes the screw-bolt *b*.

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

In a cutter for boot and shoe soles, the two parts A and B, in combination with sectional cutting-edges C, all substantially as and for the purpose described.

The above specification of my invention signed by me this 13th day of November, A. D. 1873.

H. T. MARSHALL.

Witnesses:

EDWIN W. BROWN,
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