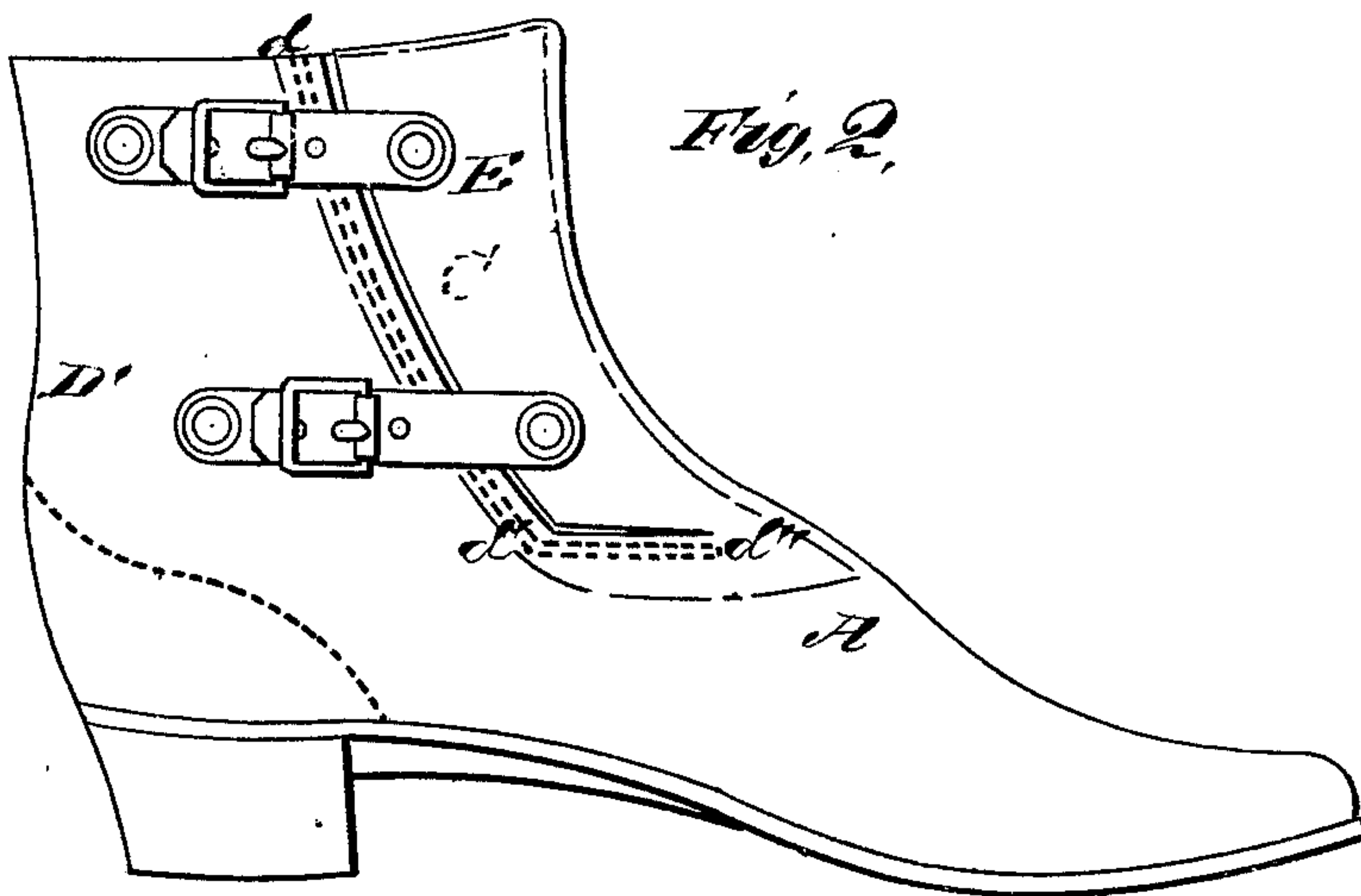
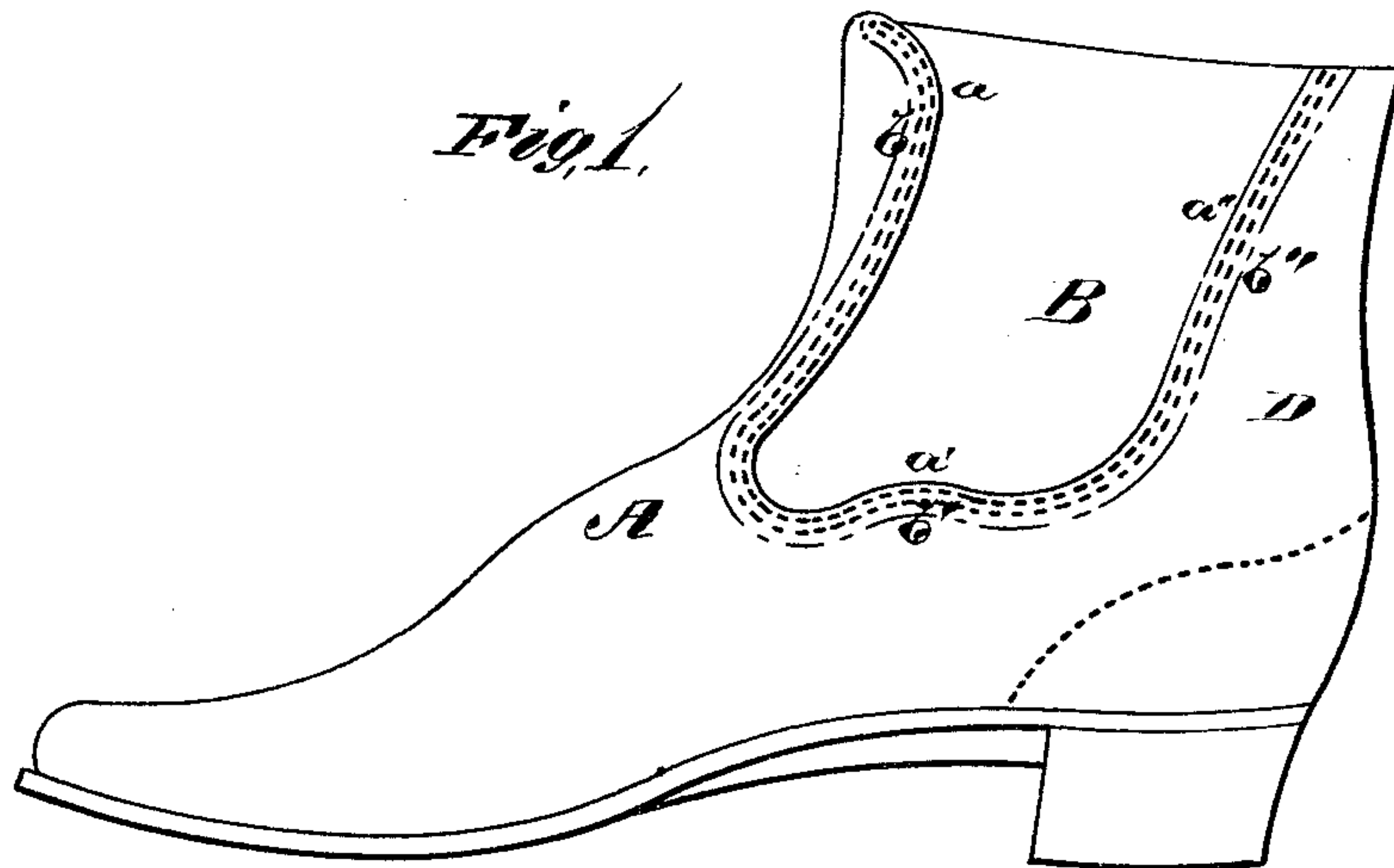


O. B. DODGE.
BOOTS AND SHOES.

No. 183,911.

Patented Oct. 31, 1876.



WITNESSES
E. H. Bates
George C. Upham.

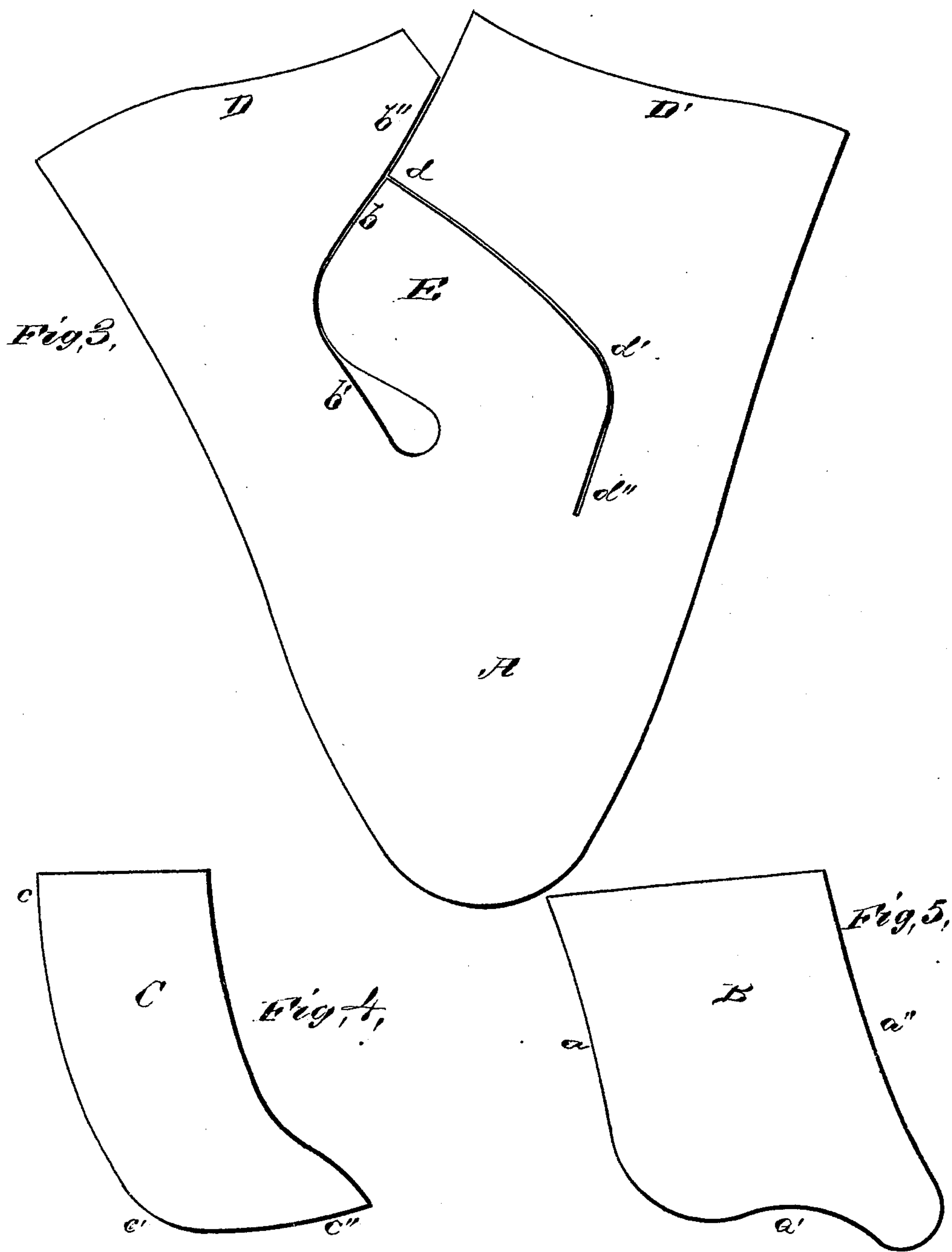
INVENTOR.
Orestes B. Dodge.
Gilman & Smith & Co.

ATTORNEYS.

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UNITED STATES PATENT OFFICE.

ORESTES B. DODGE, OF FORT MADISON, IOWA.

IMPROVEMENT IN BOOTS AND SHOES.

Specification forming part of Letters Patent No. **183,911**, dated October 31, 1876; application filed October 7, 1876.

To all whom it may concern :

Be it known that I, ORESTES B. DODGE, of Fort Madison, in the county of Lee and State of Iowa, have invented a new and valuable Improvement in Shoes; and I 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.

Figures 1 and 2 of the drawings are representations of side elevations of my shoe, and Fig. 3 is a pattern of the upper. Fig. 4 is a pattern of the tongue, and Fig. 5 is a pattern of the gore.

This invention relates to certain improvements in the manufacture of shoes; and consists in an upper of novel construction, and in a gore of peculiar shape, as will be herein-after more fully described.

On the annexed drawings, A represents the main part of the upper, which is cut in one piece, and is shaped before receiving the gore B and tongue C, as shown on Fig. 3 of the annexed drawings. The gore B is secured to the upper by three of its sides, *a a' a''*, in the opening *b b' b''* of the upper, as shown on Fig. 1 of the drawings. The tongue C is attached to the upper on the same side as the buckle, or other fastening device, and is secured by its sides *c c' c''* to the upper *d d' d''*. The shape of this tongue is, as shown on Fig. 4 of the drawings. To the lapel E are secured straps for fastening. Said lapel is formed of a part of the upper A. When the gore B and tongue C are secured in their proper places, as above described, the back parts D and D'

of the shoe-upper are united to each other. These parts D and D' are slightly curved, so as to give the desired shape to the back part of the shoe. The parts are then ready to be placed upon the last for bottoming. By placing the gore B in the side of the upper, and fitting the same thereto, it forms a crimp, which gives a perfect shape to the shoe, and thereby obviates the necessity of using crimpers. For fastening this shoe upon the foot of the wearer, I may use lacings instead of the buckles, as shown.

By the construction of a shoe as herein described, I avoid all seams which are liable to chafe the foot. The seams are so arranged as to be subject to very little strain, and are therefore less liable to rip than if they were arranged in the usual manner. Less leather is also required to manufacture this shoe than for other shoes of the same height. My shoe also possesses the advantage of unusual ease to the foot of the wearer.

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

1. The shoe-upper consisting of the front portion A, quarters D D, and lapel E, of a single piece, cut substantially as shown and described, and for the purpose set forth.

2. The shoe-upper A, provided with the gore B and tongue C, substantially as shown and described.

In testimony that I claim the foregoing I have hereunto set my hand this 18th day of September, 1876.

ORESTES B. DODGE.

Witnesses:

ED. STEWART,
J. W. EHART.