

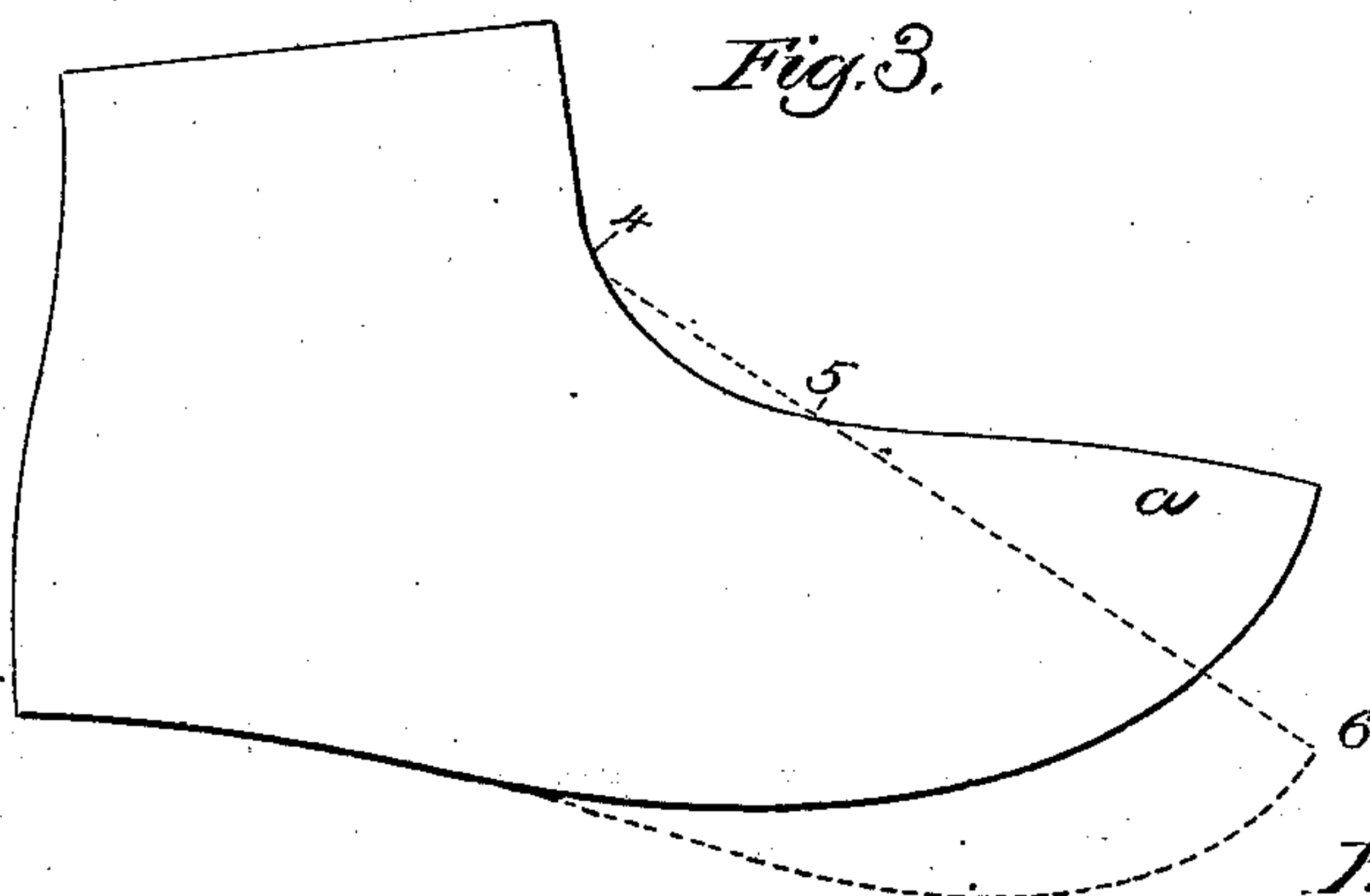
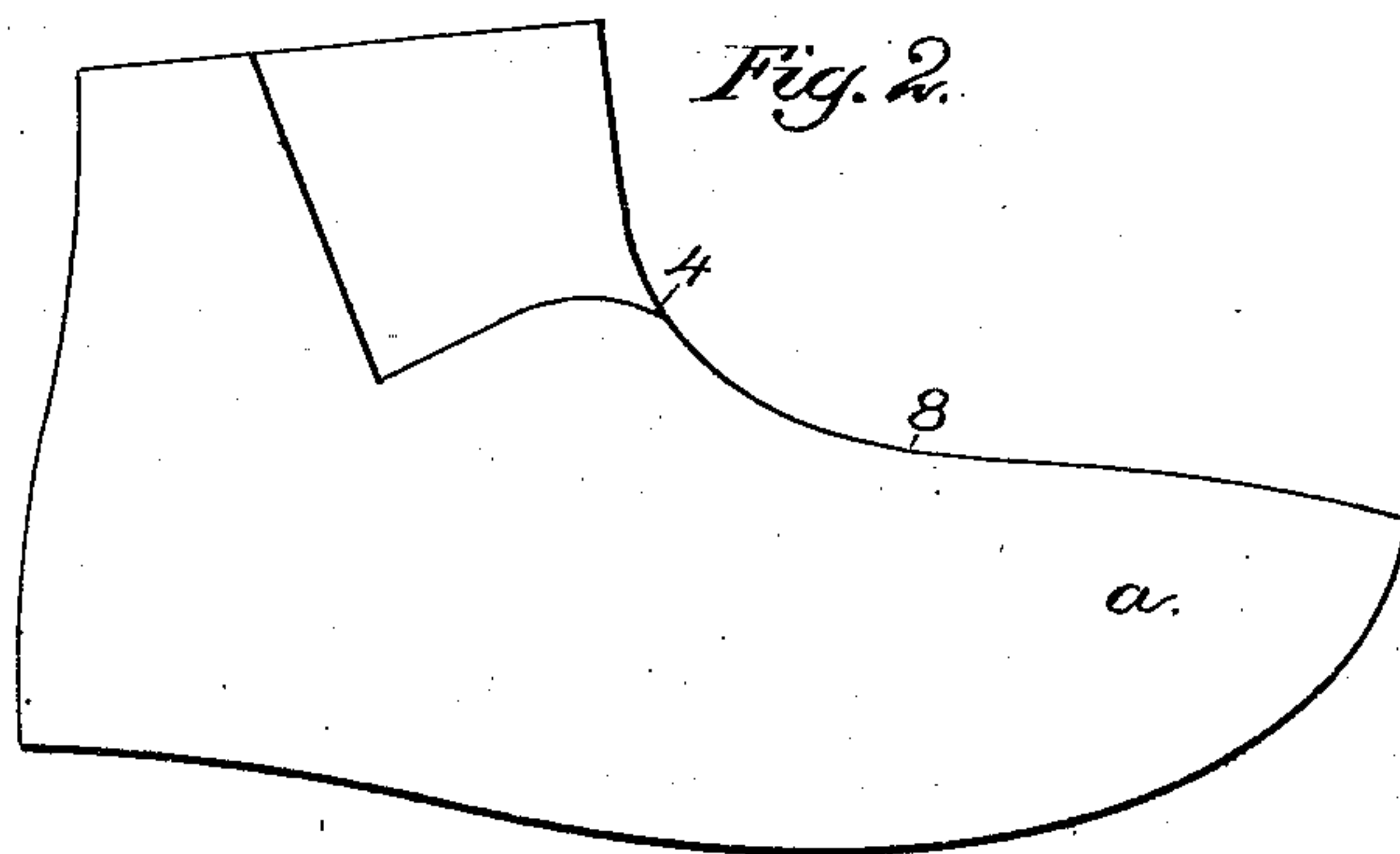
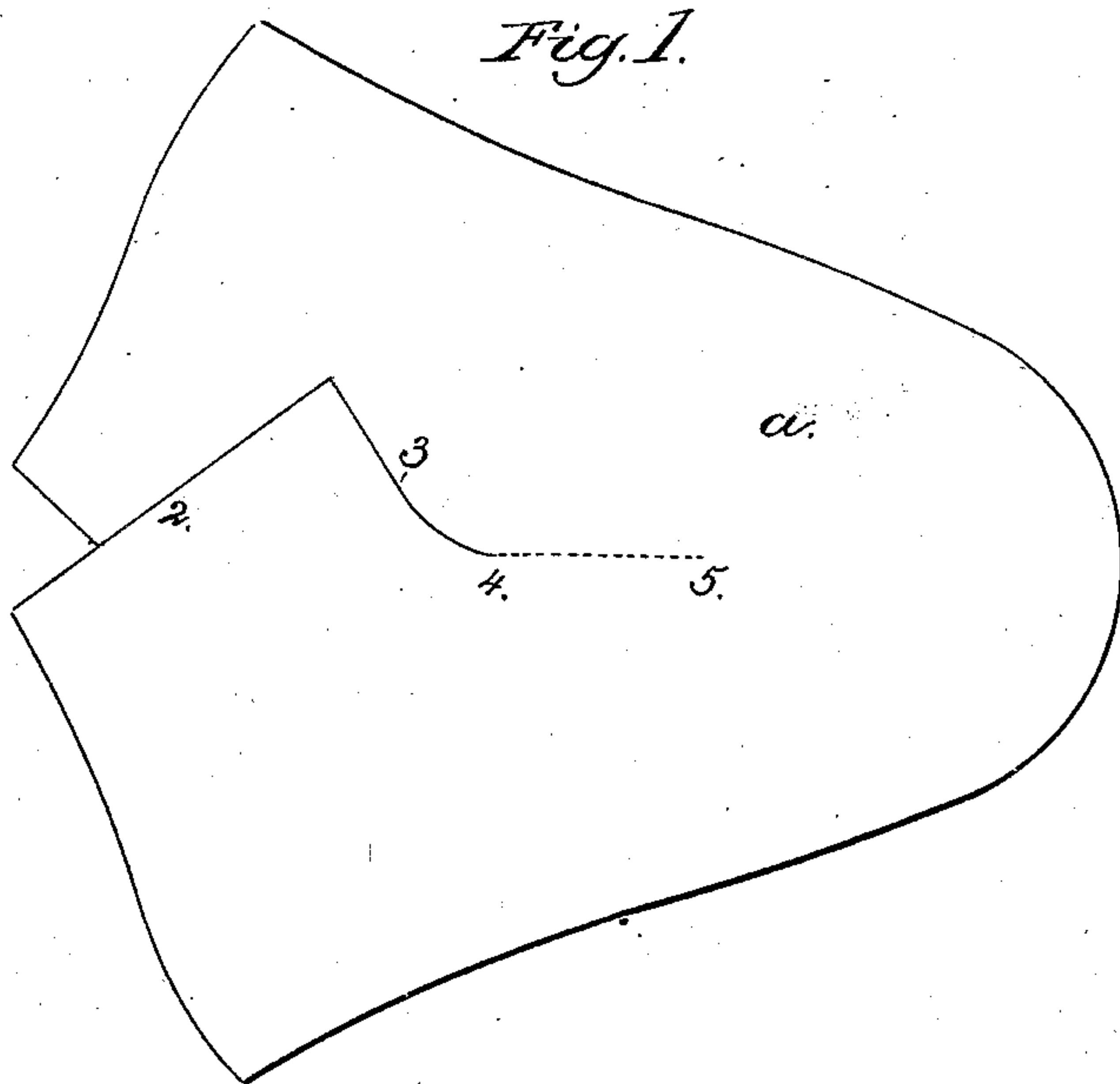
(No Model.)

J. W. D. FIFIELD.

PLOW SHOE.

No. 255,268.

Patented Mar. 21, 1882.



Witnesses
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UNITED STATES PATENT OFFICE.

JOHN W. D. FIFIELD, OF NORTH BROOKFIELD, MASSACHUSETTS.

PLOW-SHOE.

SPECIFICATION forming part of Letters Patent No. 255,268, dated March 21, 1882.

Application filed February 6, 1882. (No model.)

To all whom it may concern:

Be it known that I, JOHN W. D. FIFIELD, of North Brookfield, county of Worcester, State of Massachusetts, have invented an Improvement in Plow-Shoe Uppers and Methods of Manufacturing the Same, of which the following description, in connection with the accompanying drawings, is a specification.

In this my invention I take a piece of leather of suitable shape when slit to form the upper and quarter of a plow-shoe; but instead of cutting the said material far enough to turn over and have its edges joined, and also to receive the usual top piece which fills in the gap formed by forming the heel-seam, I cut the said material but for part of the usual distance, or substantially to the top of the foot, and then I crimp the material, and after that cut the slit at the top of the foot. The plow-shoe produced from this crimped upper presents a better appearance and fits better than the usual uncrimped plow-shoe.

Figure 1 represents a piece of material of suitable shape to form the principal part of a plow-shoe, the full center line showing the line upon which I cut the said material before crimping, but the dotted line shows the length to which the said cut will be extended after the upper has been crimped, as in Fig. 2. Fig. 2 represents the material in Fig. 1 cut to the point 4 and folded and crimped; and Fig. 3 shows in full lines an upper of a plow-shoe crimped in accordance with my invention, and in dotted lines a piece of material of the same size cut and folded together, all as usual, but not crimped.

I take a piece of material, *a*, rather heavy leather, of the form shown in Fig. 1, and cut the same on the straight line 2 and curved line 3 down to the point 4. Heretofore a piece of leather of the same shape has been cut in just the same way, but, instead of the cut being stopped at 4, has been carried to the point 5, as indicated by the dotted line. As heretofore practiced, when the cut near the center of the material *a* has extended to the point 5, the said material has been doubled or folded, making an upper of the shape indicated mostly by the

dotted lines, Fig. 3, the upper between the points 4 and its toe 6 lying substantially in a straight line, as shown by the dotted line, Fig. 3. When an upper, slit to the point 5, is placed on a last to be lasted it is most difficult to fit the same about the top of the foot of the last and make it retain the shape of the last, and the upper, between the points 4 5, and above the highest part of the top of the foot of the last, cannot be stretched and shaped to the last because of the slit from 4 to 5.

In my invention I stop the slit at 4, and then place the upper in a crimping-machine of usual construction having a form of proper shape and crimp it, stretching, curving, and crimping the upper from the point 4 to near its toe to correspond substantially with the top of the foot of the last, as shown in Fig. 2, which shows the material *a* cut only to the point 4 and folded on itself and crimped. After crimping the material I cut it from the point 4 along the line of crimp substantially to the point 8. By first cutting the upper to the point 4 and then crimping it before cutting it from the point 4 to 5 I am enabled to produce a plow-shoe of better shape than has been heretofore possible.

For the sake of brevity, and to clearly define my invention, I will call the slit 2 3 to the point 4 the "ankle-slit," and the slit from 4 to 5 the "slit at the top of the foot."

I claim—

The herein-described method of producing a crimped upper for a plow-shoe, which consists in first cutting the upper for a front opening to the point, substantially as shown and described, then crimping the same from such point to the toe, and then cutting the opening farther into the crimped portion, all substantially as set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JOHN W. D. FIFIELD.

Witnesses:

JOS. P. LIVERMORE,
FRANK A. KELLEY.