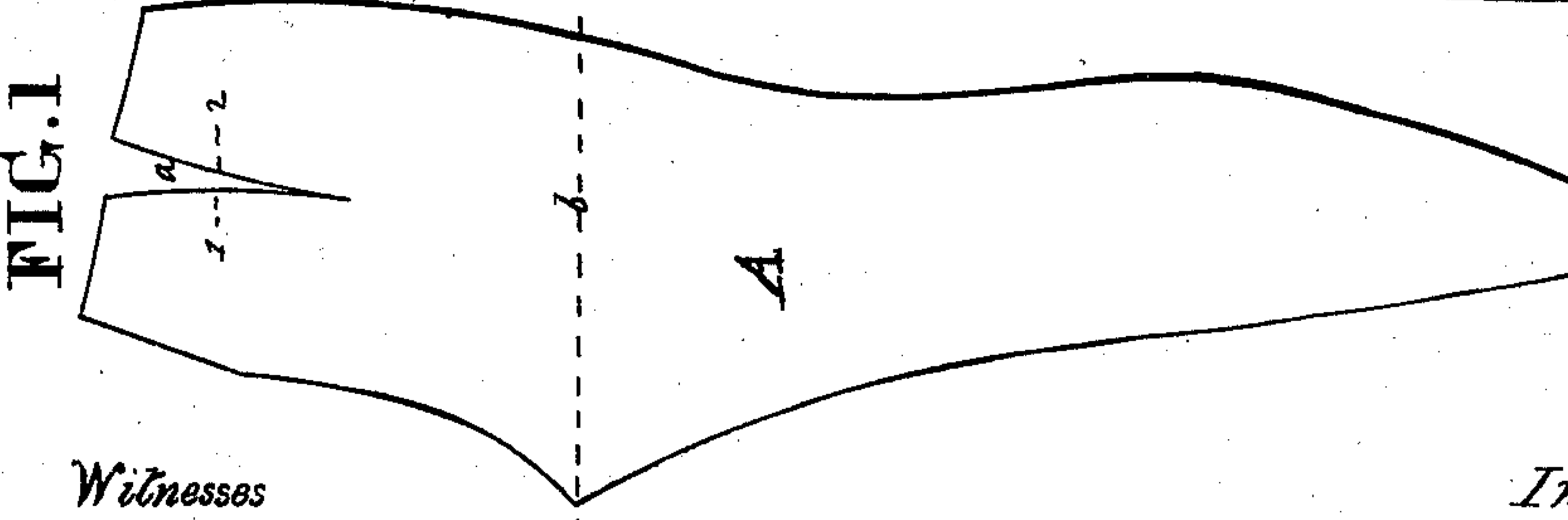
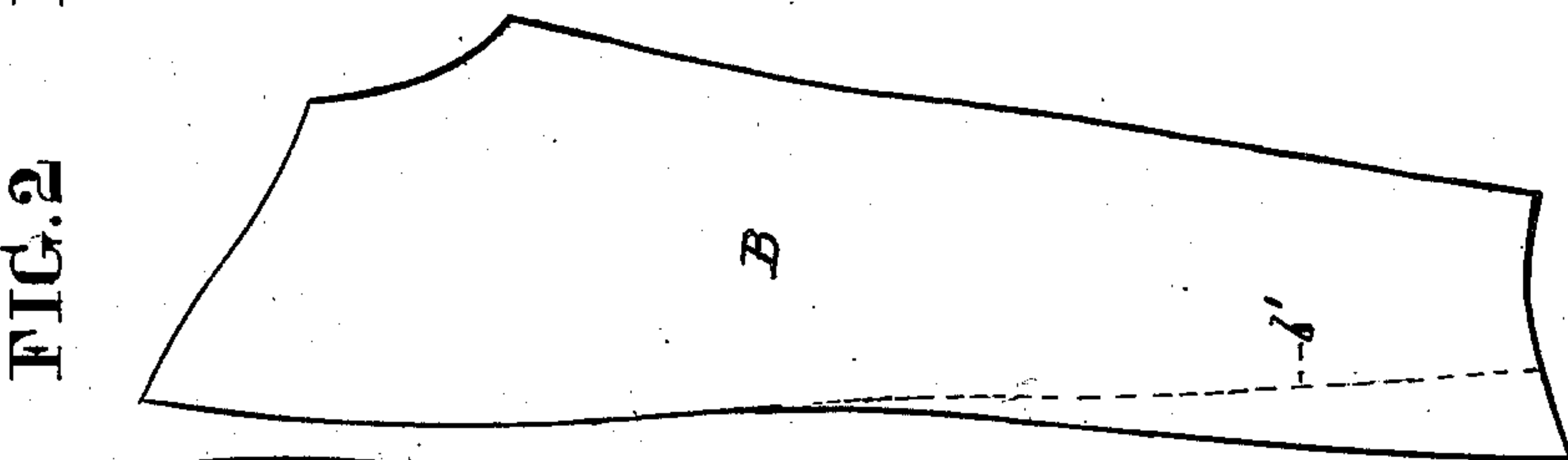
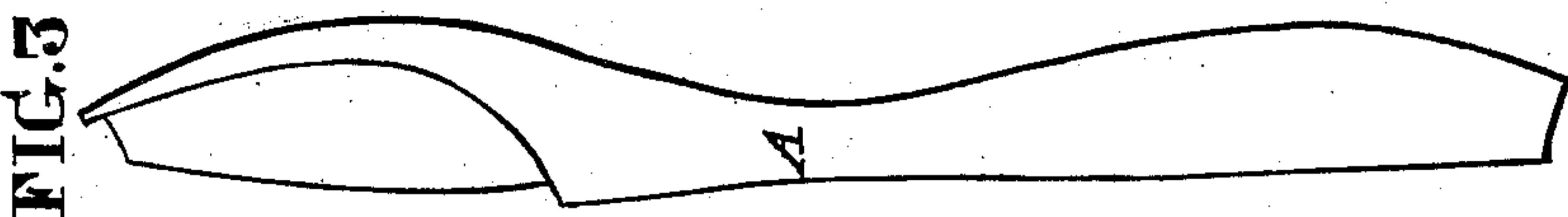
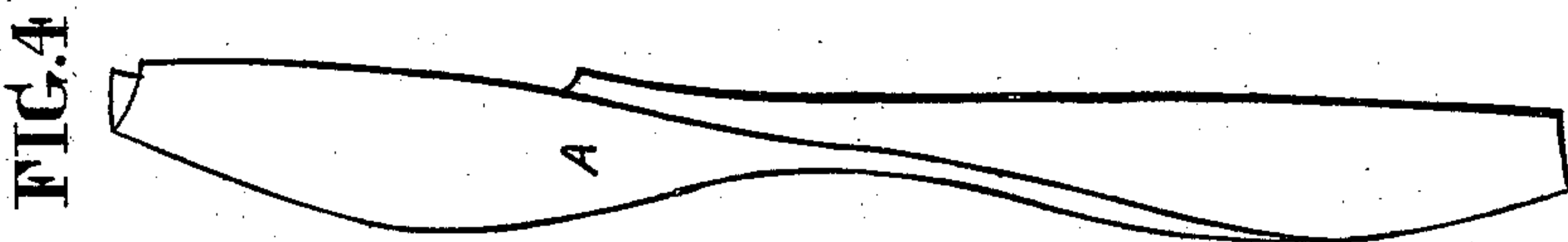
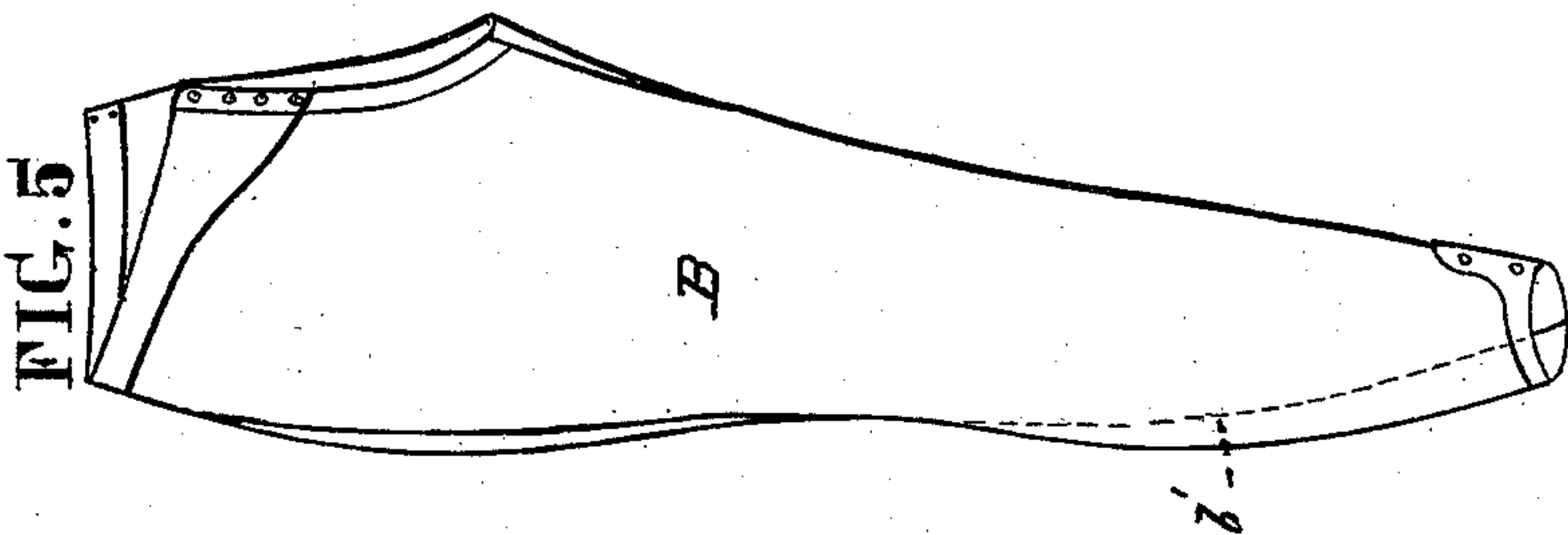
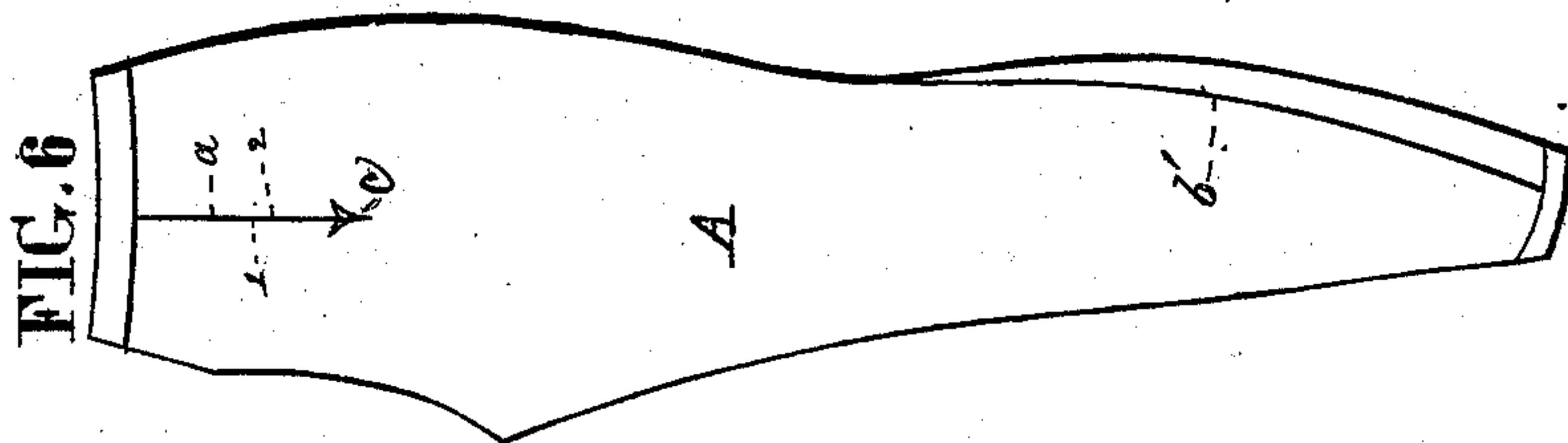


J. HAYDEN.

DRAWERS.

No. 173,463.

Patented Feb. 15, 1876.



Witnesses

Thomas J. Dewey.

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Inventor

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UNITED STATES PATENT OFFICE.

JAMES HAYDEN, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN DRAWERS.

Specification forming part of Letters Patent No. 173,463, dated February 15, 1876; application filed December 14, 1875.

To all whom it may concern:

Be it known that I, JAMES HAYDEN, of the city and county of Philadelphia, in the State of Pennsylvania, have invented a new and useful Improvement in Cloth Drawers, which invention is fully set forth in the following specification, reference being had to the accompanying drawings.

My invention consists of the following particulars: At the waistband of the rear piece of each leg there is a piece cut out, for the purpose of forming a gored seam, for producing part of the roundness of the seat; and the said rear piece is cut of leg shape from the line of the crotch, in combination with the swing of the front piece, for completing the roundness of the seat and the fullness of the leg between the knees and the ankle, forming the swell of the calf. The gored seam has an arrow-point, or other novelty of finish of needle-work.

In the accompanying drawings, Figure 1 is a flat view of the piece A, which forms the rear side of the right leg. Fig. 2 is a like view of the piece B, which forms the front side of said leg. Fig. 3 represents the piece A, drawn into shape, showing the inseam or crotch view of the leg. Fig. 4 is a side view of the piece A, taken at the opposite side to Fig. 3. Fig. 5 is the front full-leg view when the two pieces A and B are sewed together and finished with the waist and ankle bands. Fig. 6 is the rear full view of the leg with the arrow-point and gored seams *a*, the latter producing part of the fullness of the seat.

Like letters of reference in all the figures indicate the same parts.

A is the piece which forms the rear side of the right leg, a flat view of which is shown in Fig. 1, and B is the piece which forms the front side of the same leg, a flat view of which is seen in Fig. 2. A pointed piece, six or more inches long, according to the size of the person, is cut out of the cloth at the waistband, to form the gored seam *a* over the seat, so that when the edges 1 and 2 are drawn together, as shown in Fig. 6, it produces part of the roundness over the seat shown in Figs. 3 and 4. The balance of the roundness over

the seat is produced by drawing the crotch or inseam into the position it takes when on the leg, as seen in said Figs. 3 and 4, the outseam being cut from the dotted line *b* to the exact outline of the leg, which also produces the swing-seam from the knee in a curved manner, as seen in Fig. 6.

The dotted line *b'* of the piece B, in Fig. 2, indicates the lap, which forms the swing, and produces part of the fullness over the calf of the leg, the rest of the fullness being produced by the peculiar leg-shaped cut of the outseam from the hip to the ankle represented in Fig. 1.

When the pieces A and B are sewed together the piece B shows the front side of the leg, as seen in Fig. 5, and the piece A the rear side, as seen in Fig. 6, in which view the gored seam *a* is finished at the junction by an arrow, or other novelty of design of needle-work. In these figures the seam-swing *b* is shown which produces the leg shape from the knee to the ankle.

I have described the cut of the pieces A B, which form the right leg; and it will be understood that the pieces for forming the left leg are cut in the same manner.

I design using the arrow-point or other novelty of design of needle-work in any gored seam of drawers.

I claim as my invention—

1. In a pair of drawers, the gored seam *a*, for producing the roundness over the seat, substantially as set forth.

2. The back piece A, of the configuration shown from the line *b* down, in combination with the front piece B, of the configuration shown, substantially as and for the purpose set forth.

3. In combination with a gored seam, *a*, the arrow-point C, substantially as and for the purpose set forth.

4. In a pair of drawers, the outseam *b*, formed by the union of the two pieces A B, substantially as and for the purpose set forth.

JAMES HAYDEN.

Witnesses:

STEPHEN USTICK,
HARRY SWARTZ.