

(No Model.)

2 Sheets—Sheet 1.

R. W. SCOTT.
Stocking and the Method of Making.

No. 234,075.

Patented Nov. 2, 1880.

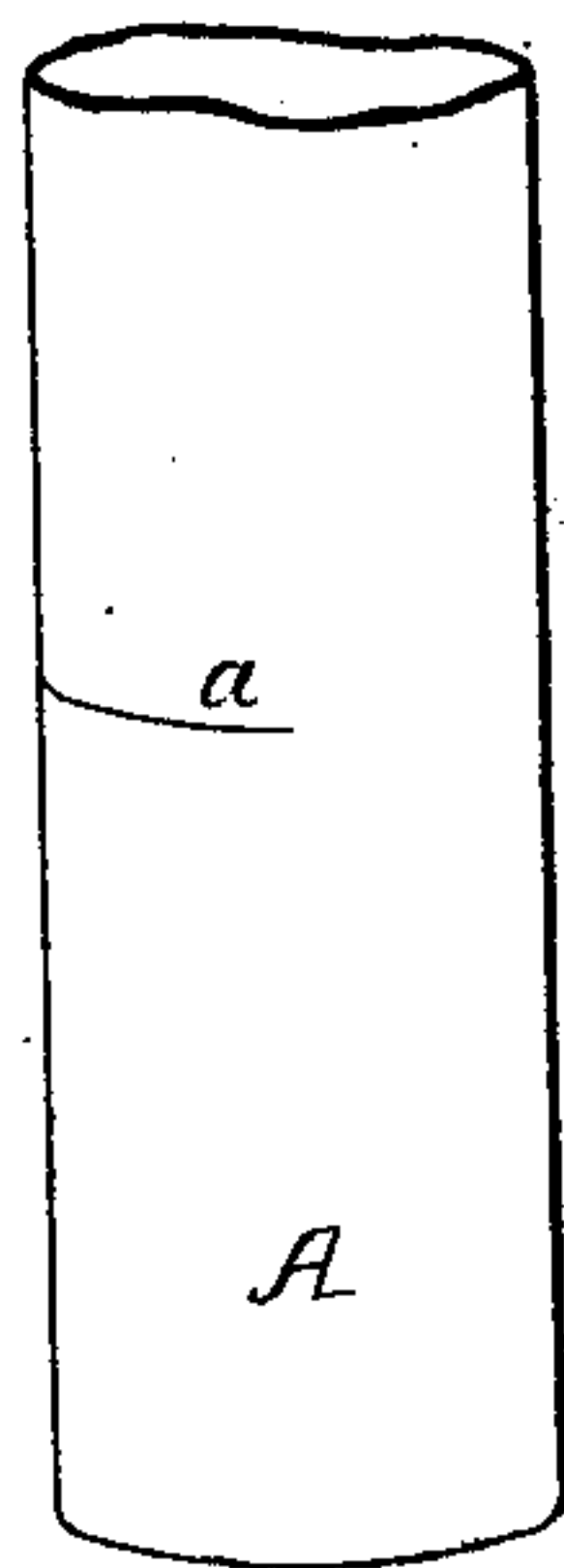
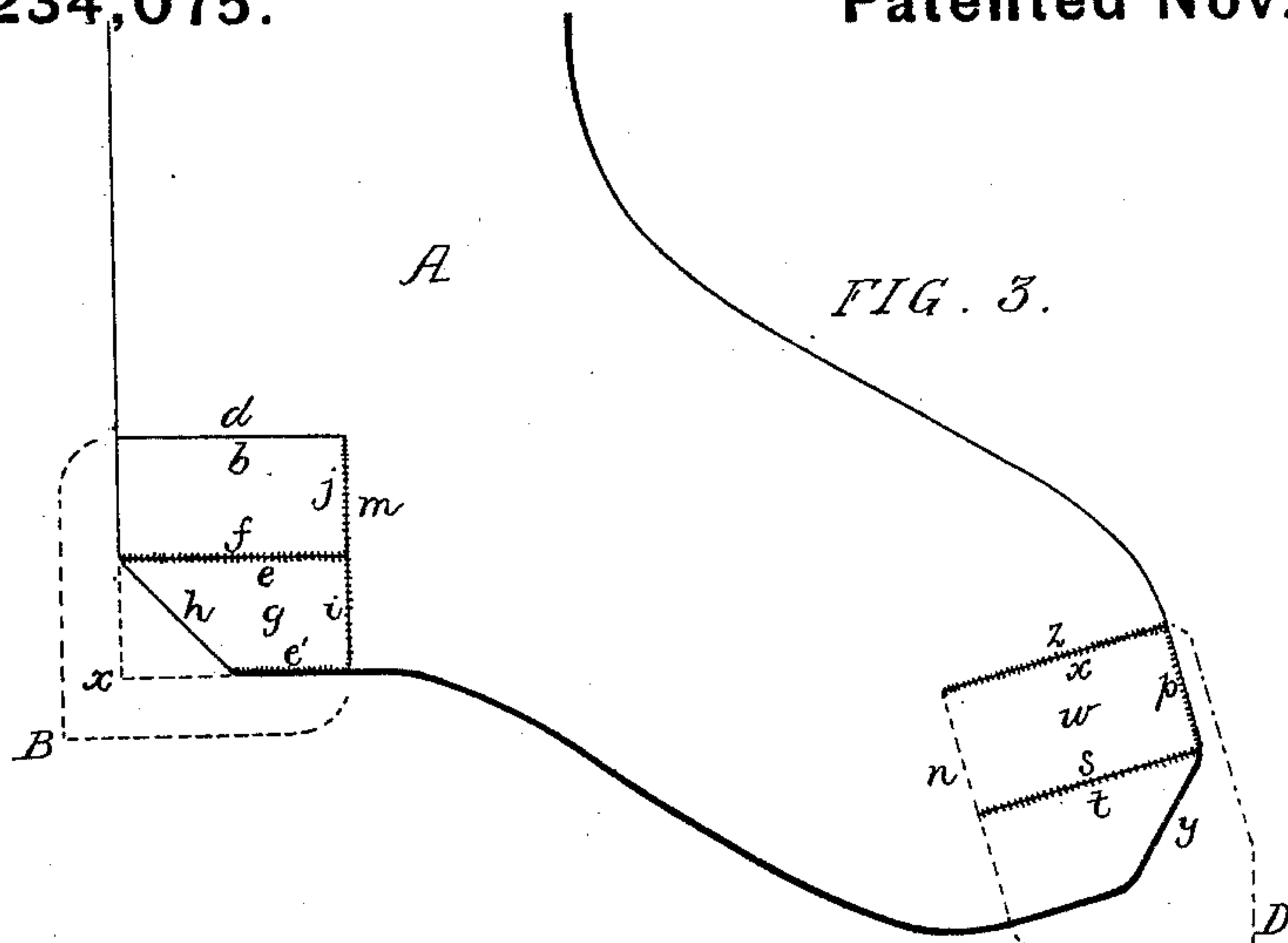


FIG. 1.

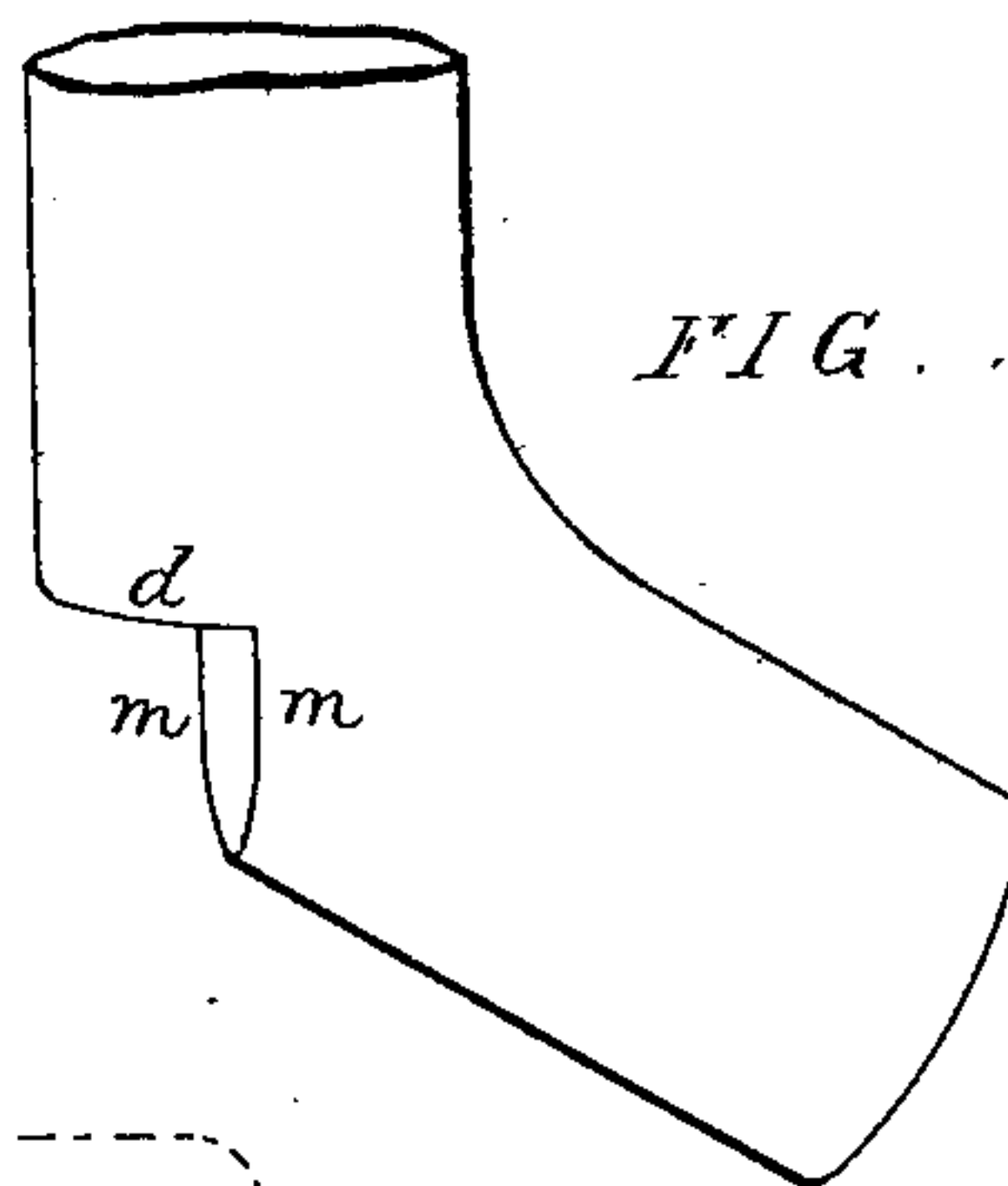


FIG. 2.

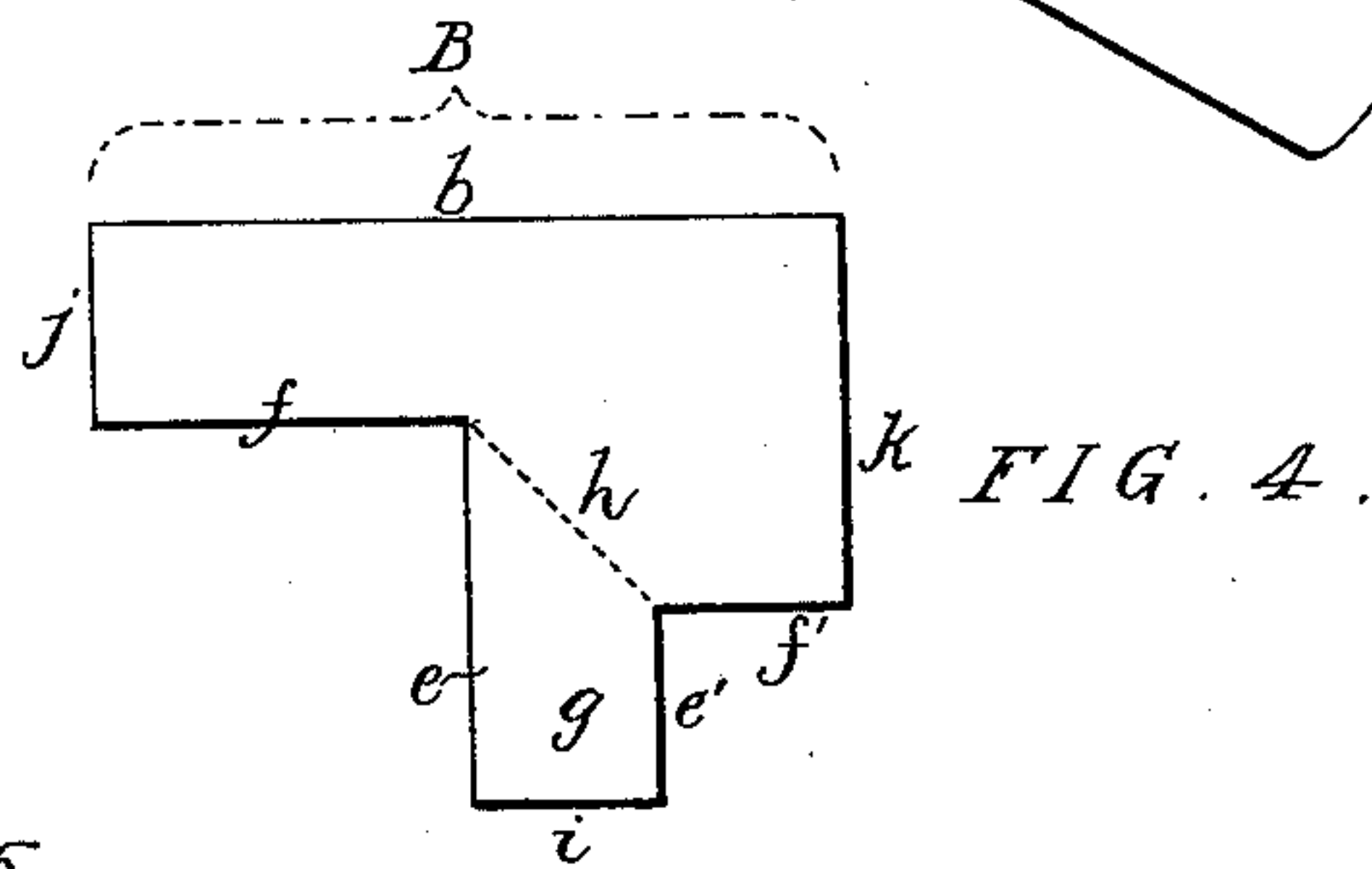


FIG. 4.

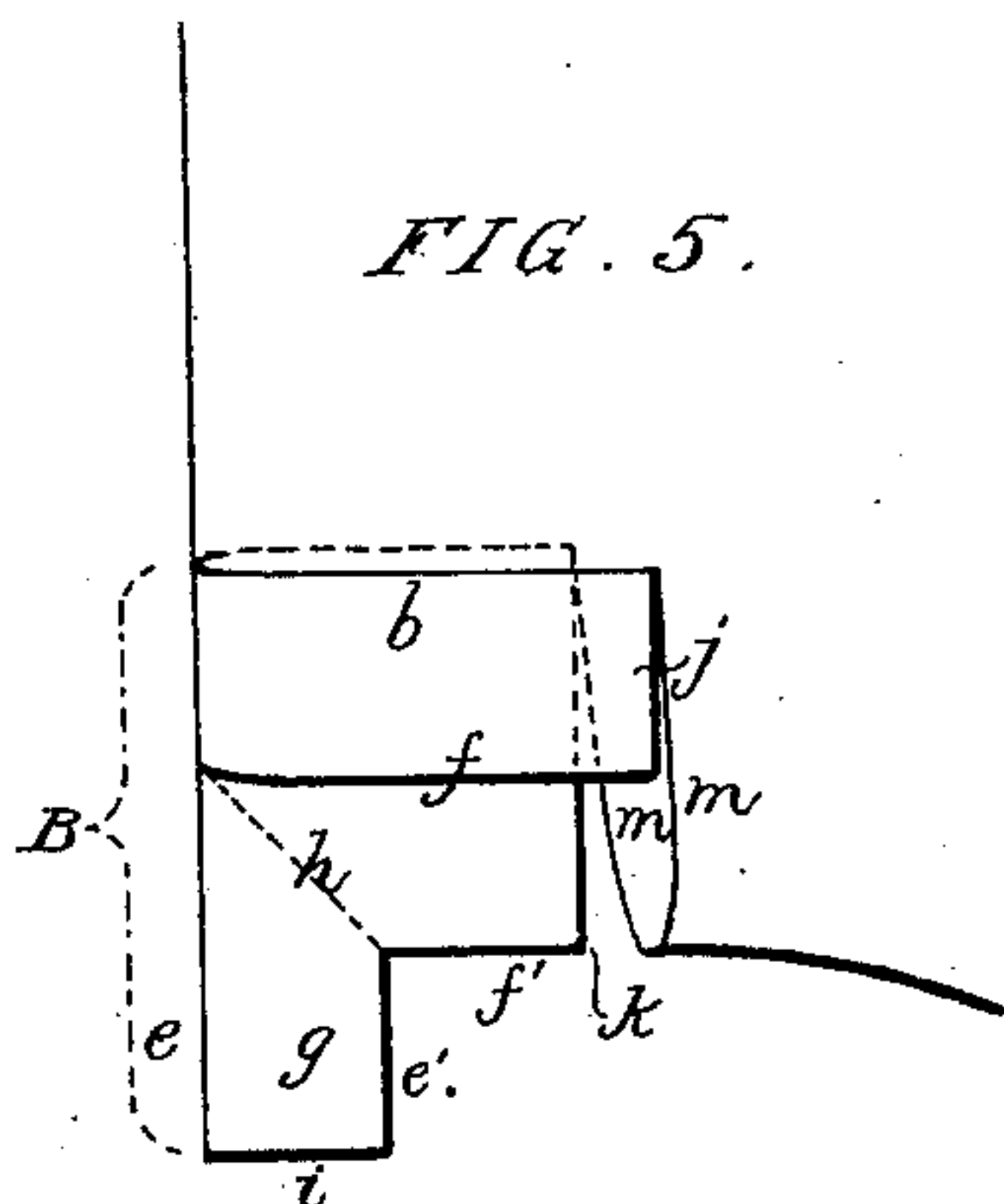


FIG. 5.

WITNESSES

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Howson and Son

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FIG. 6.

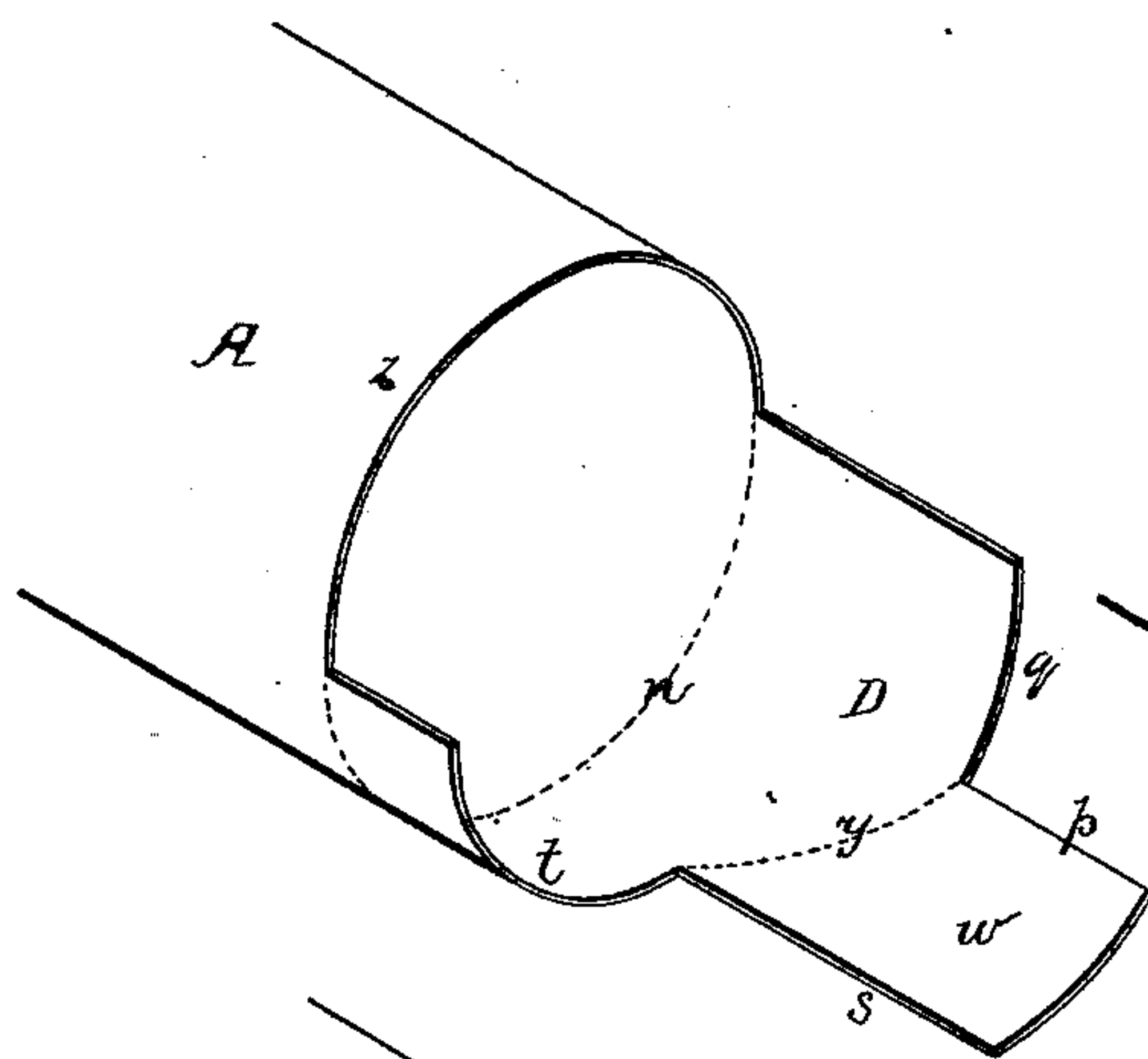


FIG. 7.

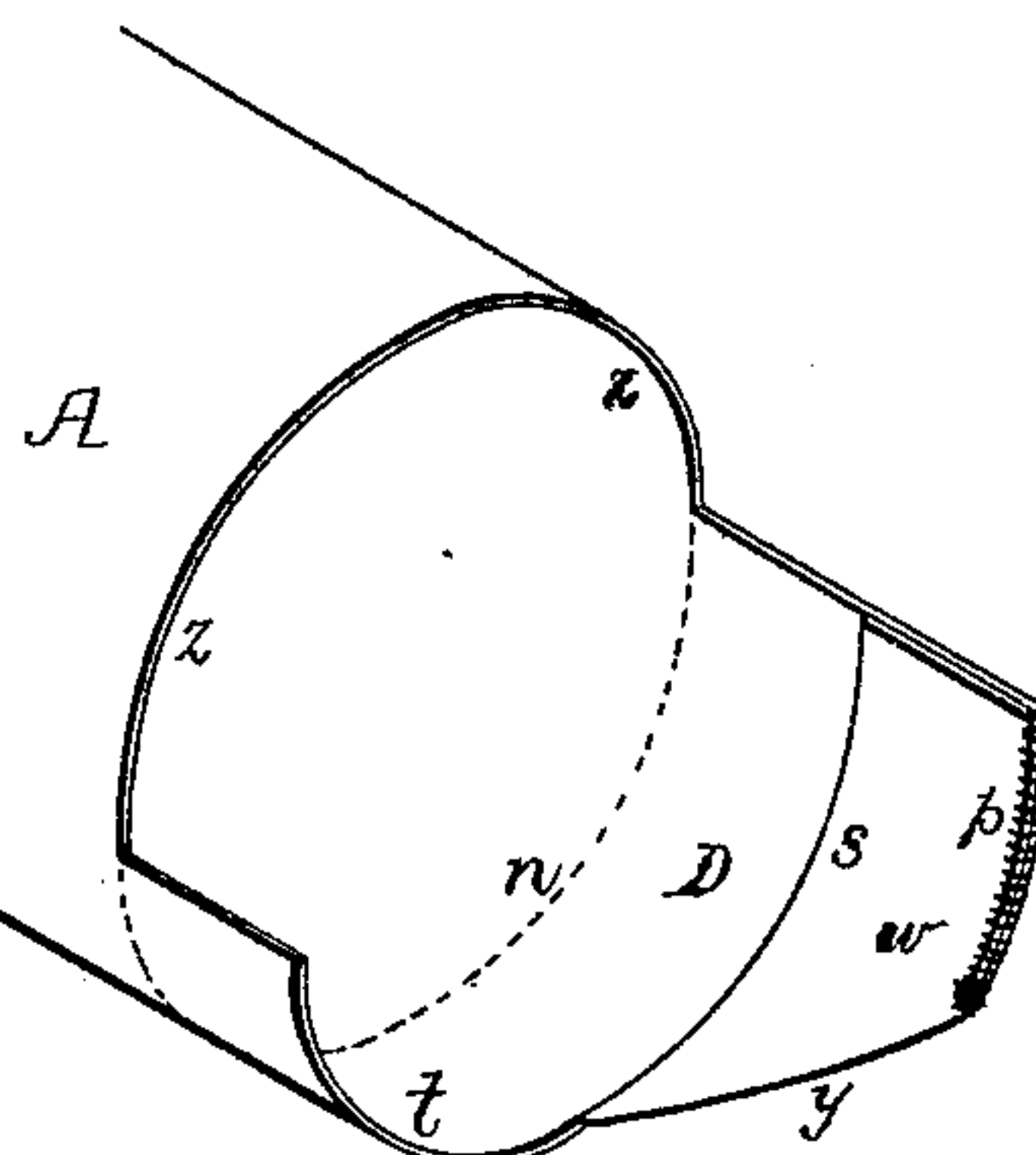


FIG. 8.

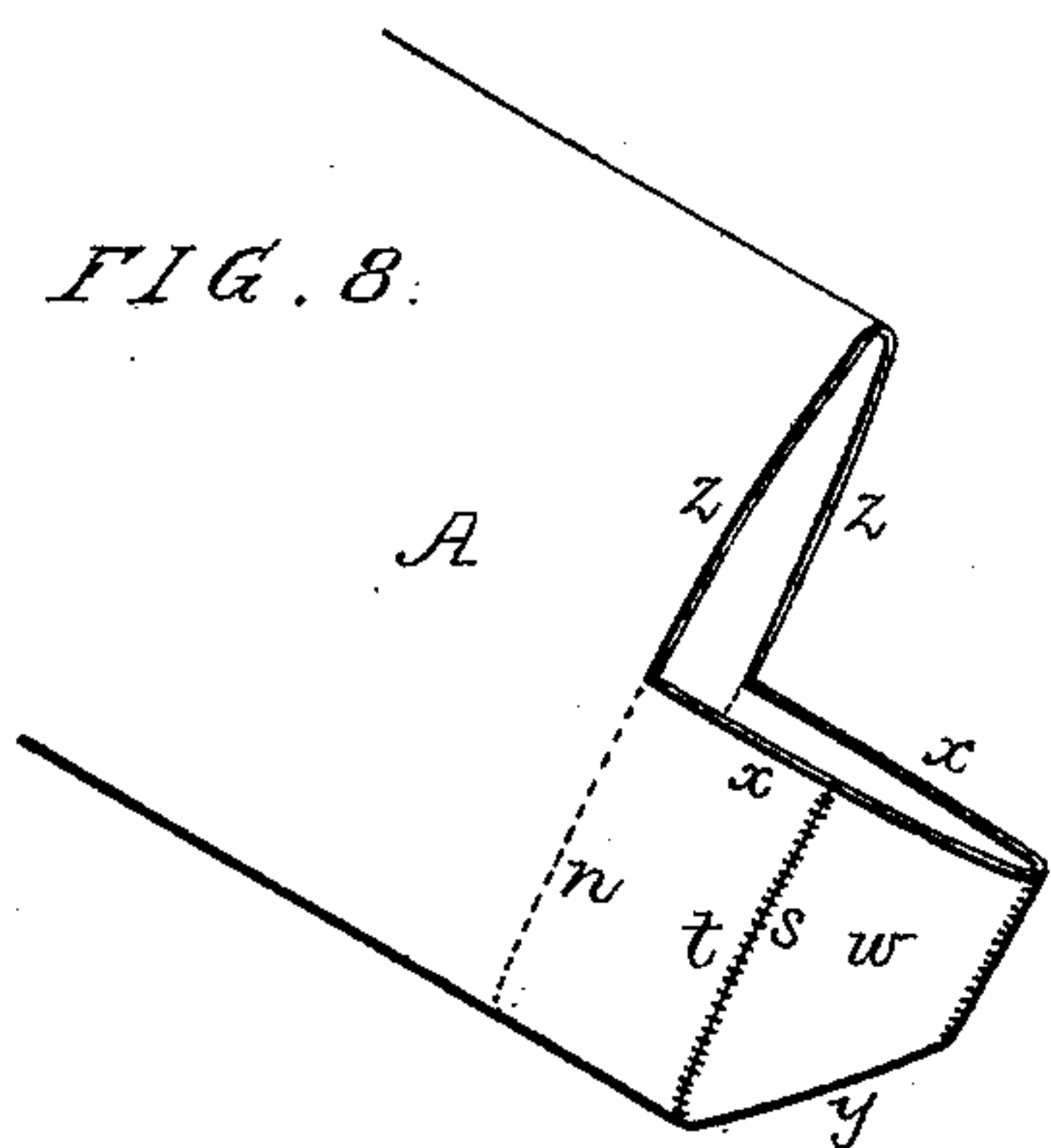


FIG. 9.

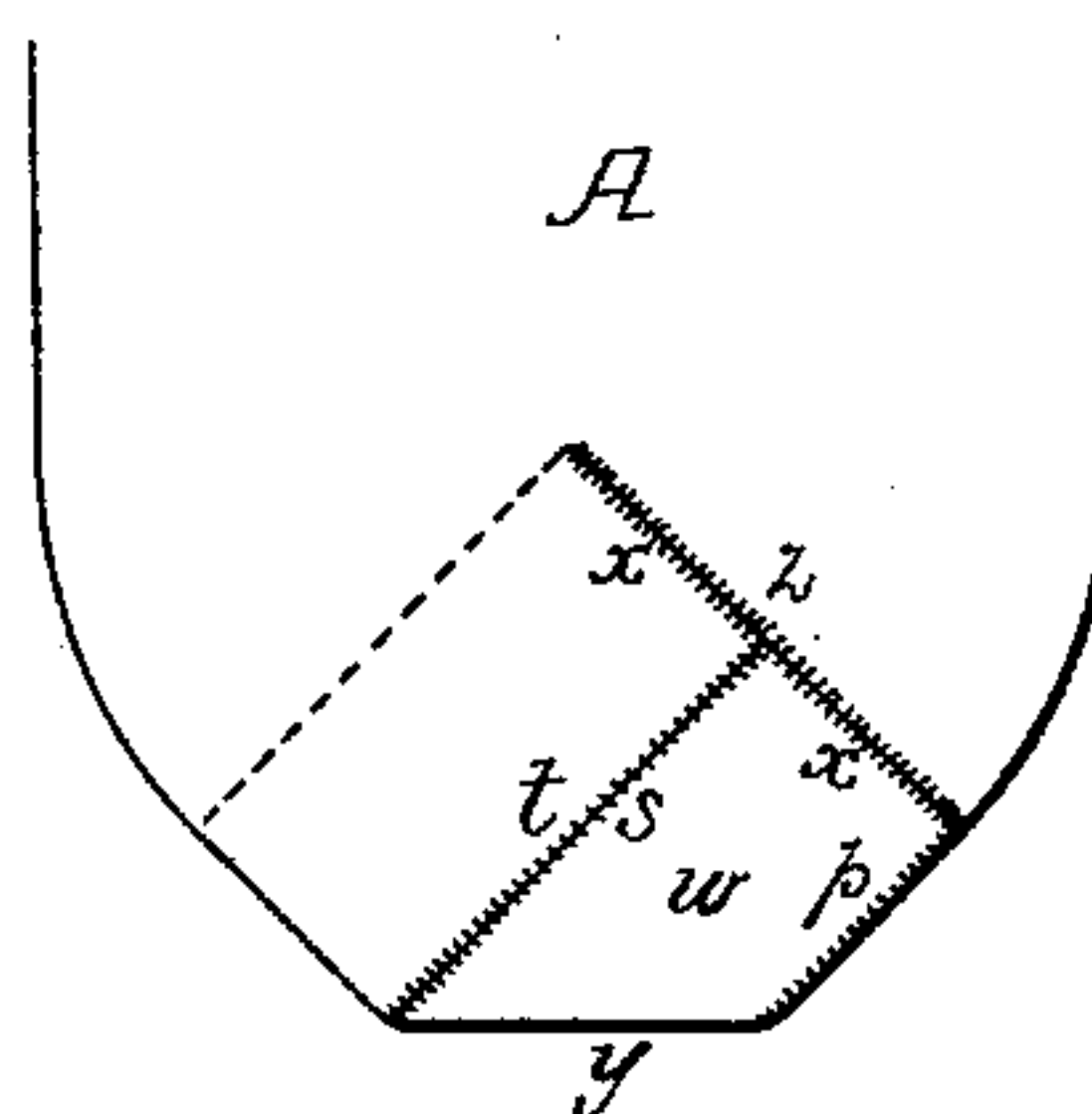
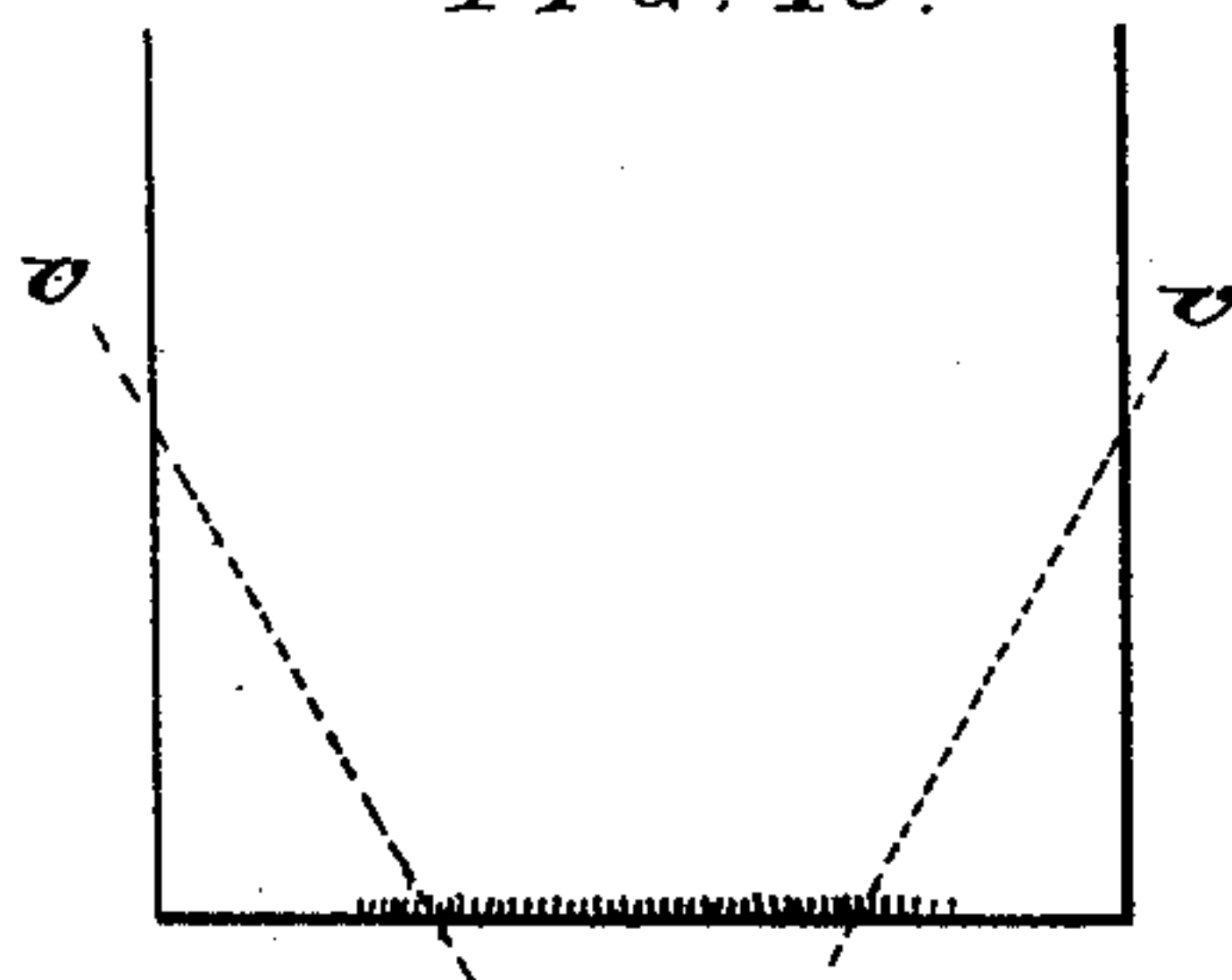


FIG. 10.



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UNITED STATES PATENT OFFICE.

ROBERT W. SCOTT, OF PHILADELPHIA, PENNSYLVANIA.

STOCKING AND THE METHOD OF MAKING.

SPECIFICATION forming part of Letters Patent No. 234,075, dated November 2, 1880.

Application filed August 27, 1880. (No model.)

To all whom it may concern :

Be it known that I, ROBERT WALTER SCOTT, a citizen of the United States, residing in Philadelphia, Pennsylvania, have invented an Improvement in Socks or Stockings, and in the Mode of Making Same, of which the following is a specification.

My invention relates to improvements in that class of stockings which are made from tubes of knitted fabric; and the object of my invention is to make a stocking which shall be free at the heel and toe from the abrupt corners or projections which interfere more or less with the comfort of the wearer.

In the accompanying drawings, Figures 1 and 2, Sheet 1, are perspective views, illustrating the preparation of the tube of knitted fabric for the formation of the heel; Fig. 3, a side view of my improved stocking, drawn to a larger scale than Figs. 1 and 2; Fig. 4, a view of the heel-strip; Fig. 5, a view illustrating the mode of applying the heel-strip to the tube; Figs. 6, 7, and 8, Sheet 2, perspective views of the tube of fabric, illustrating the formation of the toe; Fig. 9, the toe completed, and Fig. 10 a view representing the mode of forming the toes of ordinary socks or stockings.

Referring to Sheet 1, the tube A, of knitted fabric of which the sock or stocking has to be formed, is partly severed on the line *a*, Fig. 1, so that it can be bent to the shape Fig. 2 preparatory to the formation of the heel. The stitches on the edge *d* of the severed tube being applied to the needles of a knitting-machine, a strip, B, of the shape shown in Fig. 4, is knitted to the said edge *d*, after which the portion *g* of the strip is folded on the diagonal line *h*, Figs. 4 and 5, the edge *e* of the portion *g* of the strip is united to the edge *f* of said strip, the edge *e'* to the edge *f'*, and the edges *i*, *j*, and *k* of the strip are united to the edges *m m* of the partly-severed tube, and this completes the formation of the heel, the latter being, of course, rounded by the pressing operation to which all socks and stockings of the class to which my invention relates are subjected.

It will be seen that the abrupt corner common to ordinary cheap socks and stockings, and indicated by the dotted lines *x*, Fig. 3, is obviated, the heel being beveled by simply

folding the portion *g* of the strip on the diagonal line *h*, and being in a better condition for receiving the final rounded shape by the pressing operation than ordinary socks and stockings.

The toe is formed in the manner shown in Figs. 6, 7, 8, and 9, a piece, D, of the shape shown being first knitted to the end of the tube forming the foot of the sock, as shown by the dotted line *n* in Fig. 6. The flap *w* of this projection is first folded on the inclined line *y*, as in Fig. 7, the edge *p* is united to the edge *q*, and the edge *s* to the edge *t*, when the toe will be in the condition shown in Fig. 8, after which all that is necessary to complete the toe is to unite the edge *x* of the piece D to the edge *z* of the tube, as shown in Fig. 9.

In an ordinary stocking of the class to which my invention relates the toe is formed by seaming the edges of the tube together at and near the center, and then stitching the tube on the diagonal lines *v v*, Fig. 10, the projecting corners being then cut away, thus leaving protuberant seams, which are more or less objectionable, and which are obviated by my improved method of forming the toe, the various edges of the heel-piece B and toe-piece D being secured together by means of an ordinary seaming-machine, so that the seams do not interfere with the comfort of the wearer.

In a separate application for a patent filed by me on the 14th day of September, 1880, I have shown another method of forming the heel and toe of the stocking; but that plan differs from my present one both in the shape of the heel and toe pieces and in the method of folding and seaming the same; hence I disclaim it in the present application.

I claim as my invention—

1. A sock or stocking in which a partly-severed tube, A, of knitted fabric is combined with a heel-piece, B, having the diagonally-folded portion *g*, and otherwise folded, seamed, and united to the partly-severed tube A, as set forth.

2. A sock or stocking in which the toe is formed by a projection on a tube of knitted fabric, said projection being folded, seamed, and united to the said tube, all substantially as set forth.

3. The mode herein described of forming

the heel of a sock or stocking, the said mode consisting in providing the partly-severed tube A of knitted fabric with a projecting heel-piece, B, and then folding, seaming, and
5 uniting said heel-piece to the partly-severed tube, as set forth.

4. The mode herein described of forming the toe of a sock or stocking, the said mode consisting in making on the end of a tube of knit-
10 ted fabric a projection, D, and folding and

seaming the said projection and uniting it to the said tube, substantially as specified.

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

ROBT. W. SCOTT.

Witnesses:

JAMES F. TOBIN,
HARRY SMITH.