

I. HALL.
Shoe.

No. 224,528.

Patented Feb. 17, 1880.

Fig:1.

Fig:2.

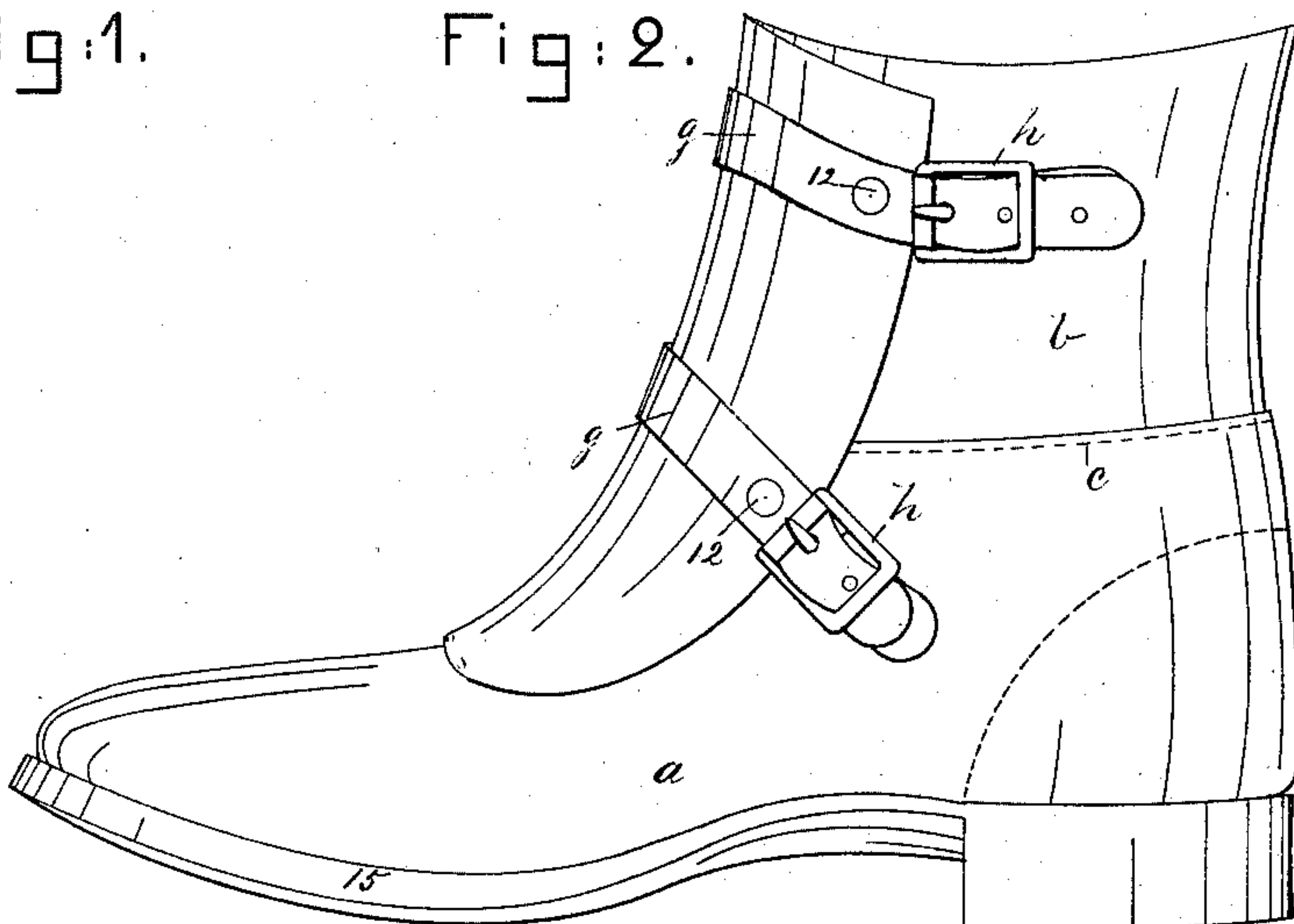
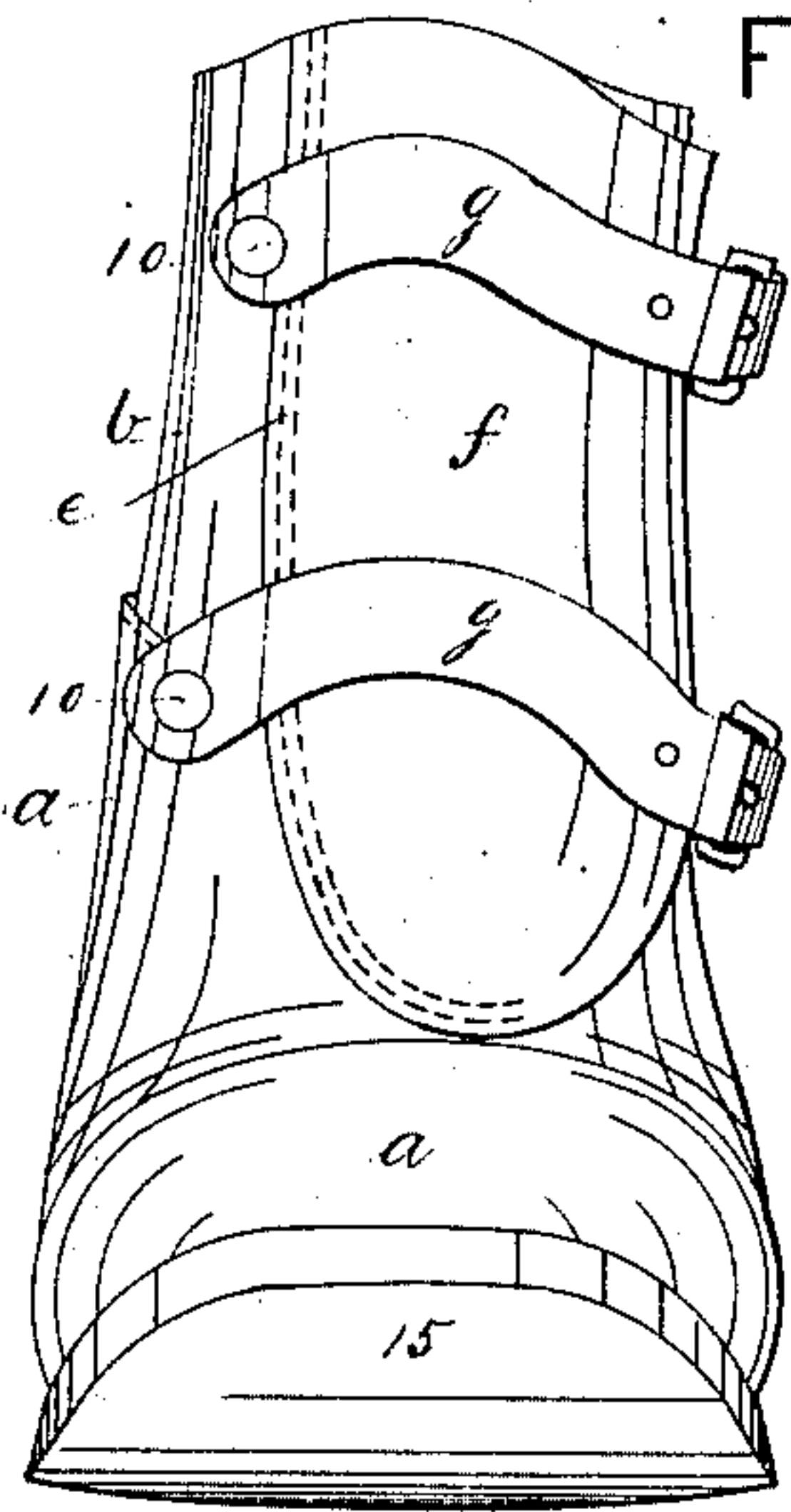


Fig:4.

Fig:3.

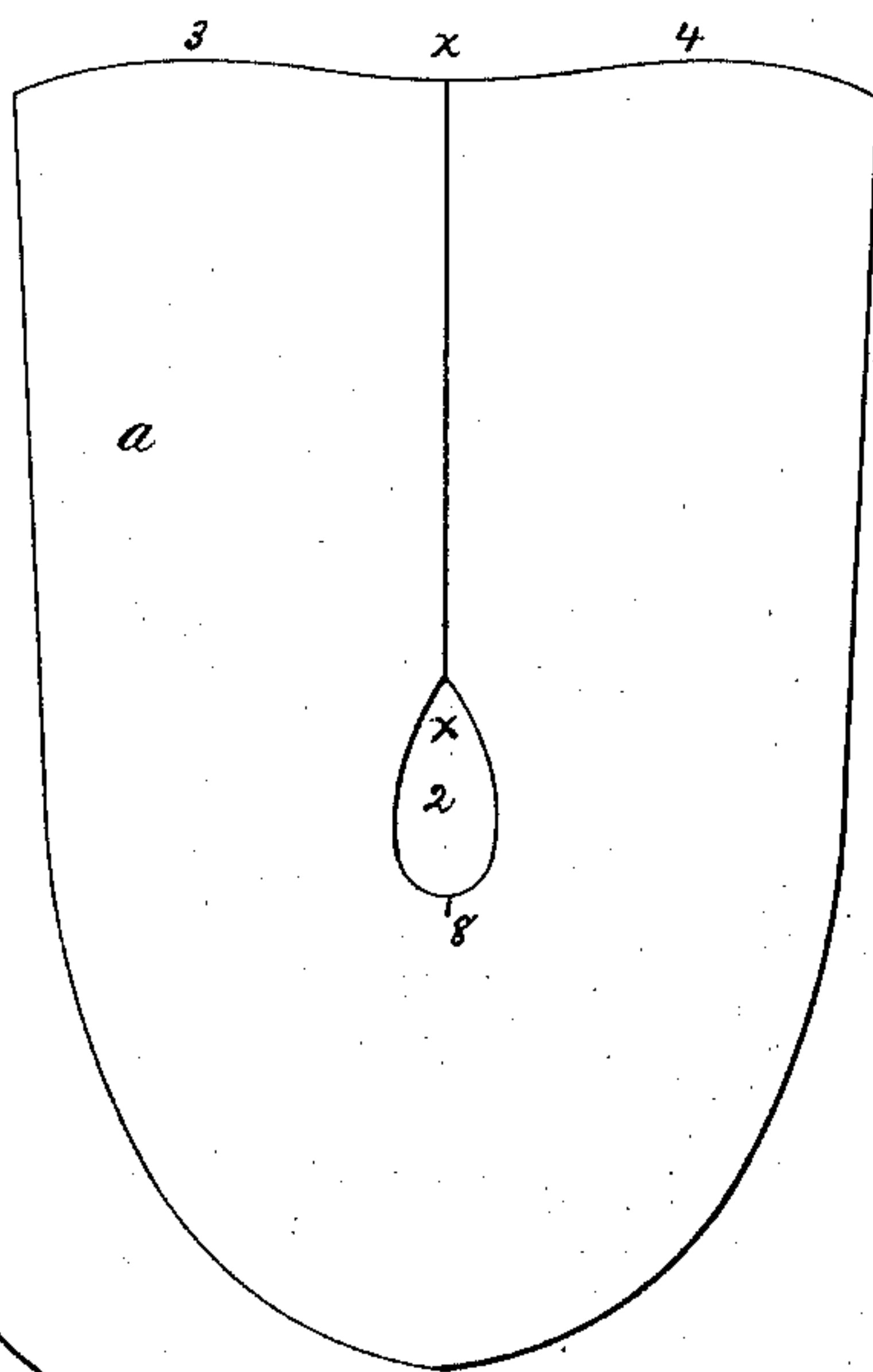
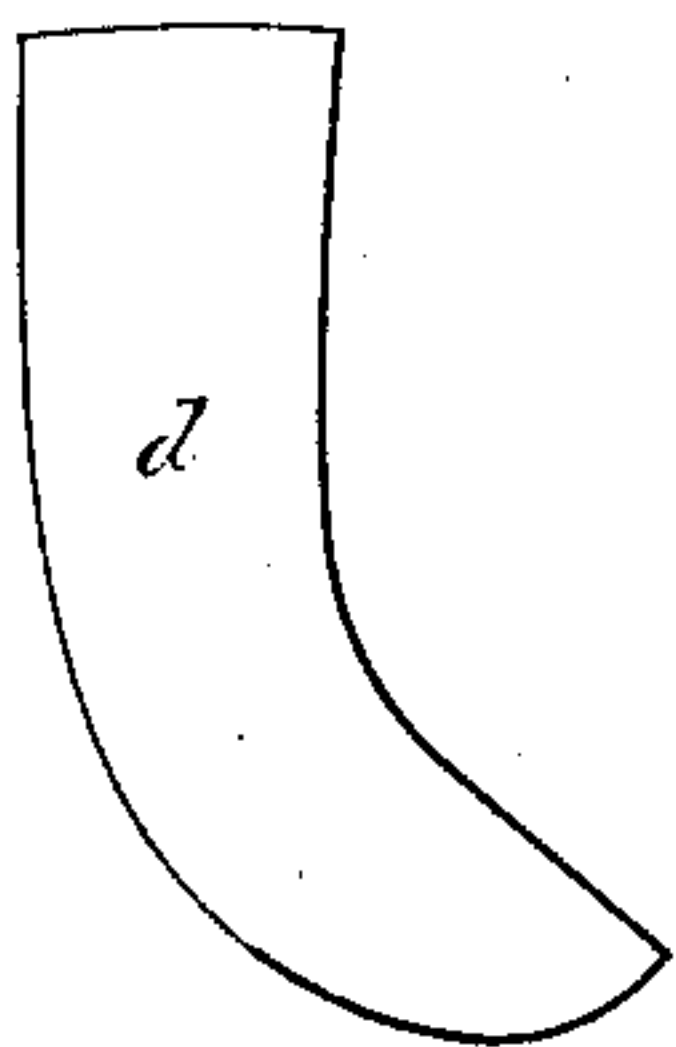
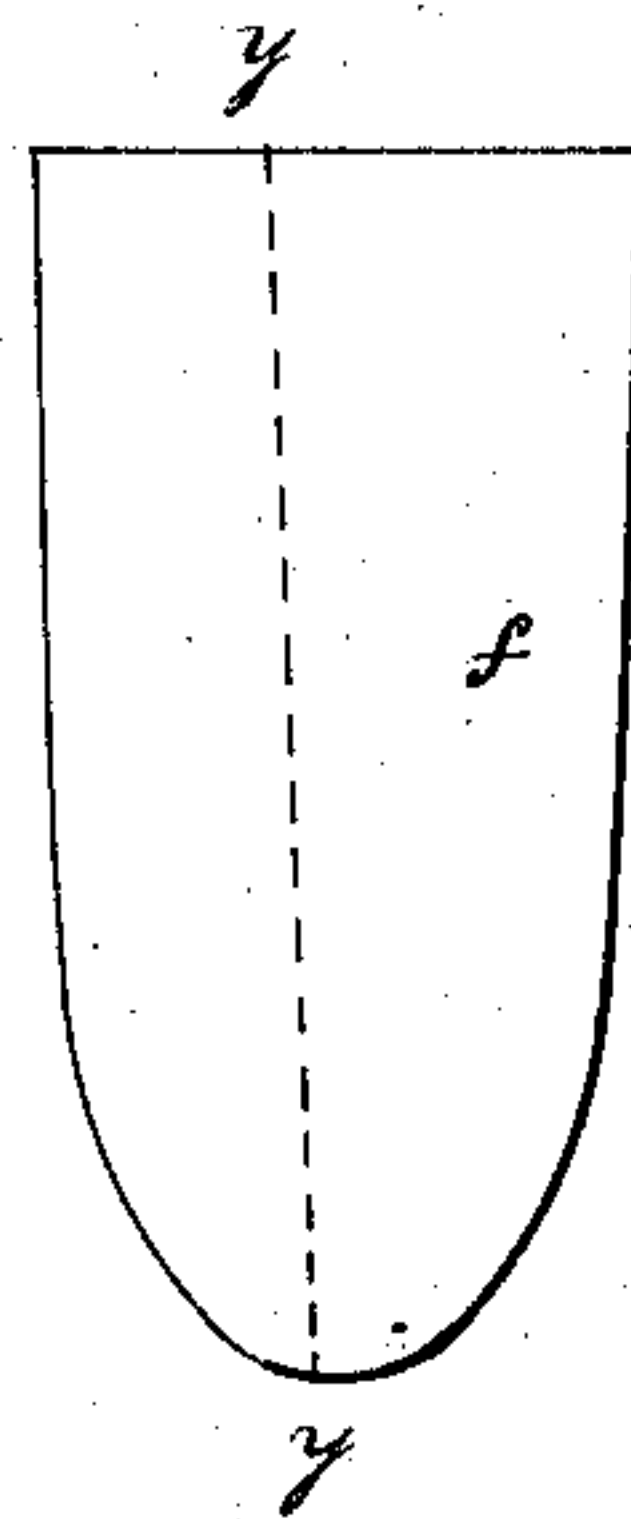
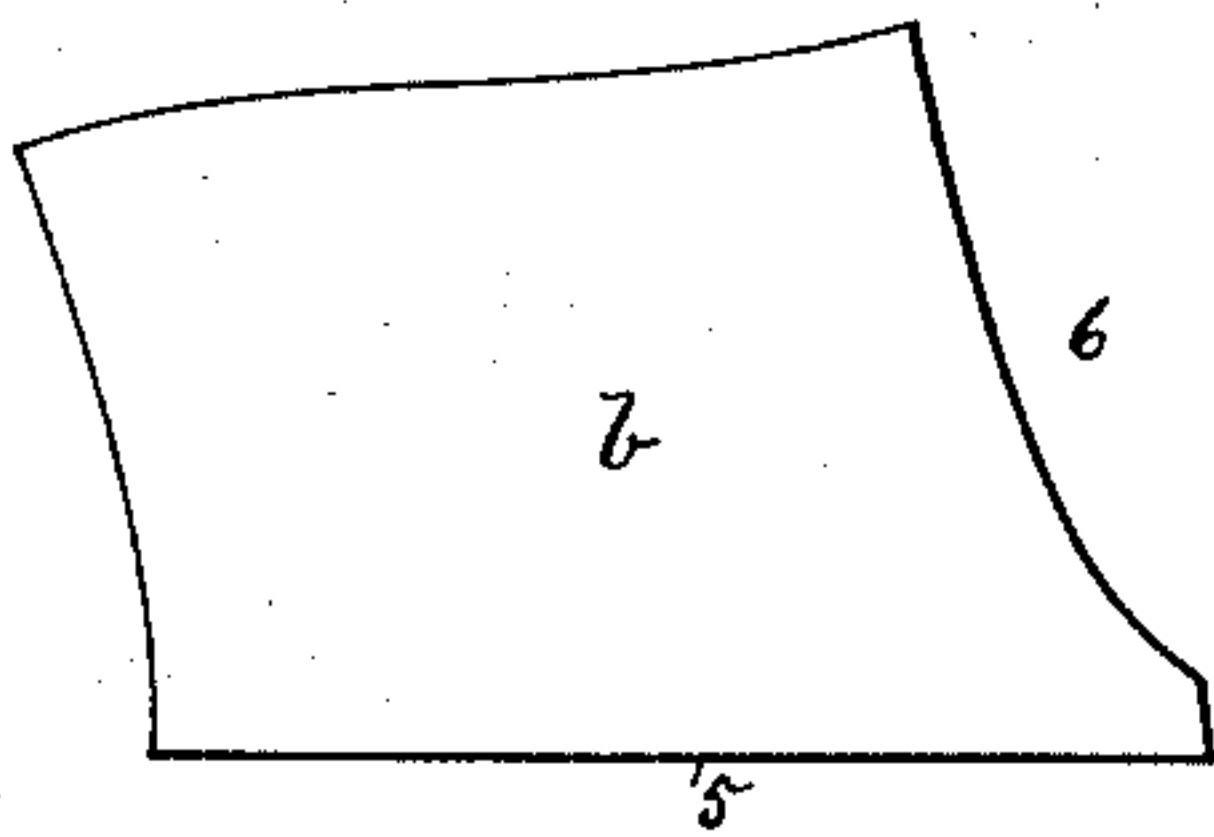


Fig:6.

Fig:5.



Witnesses.
L. F. Connor.
Jos. P. Livemore

Inventor.
Isaac Hall
by Crosby Gregory Atty

UNITED STATES PATENT OFFICE.

ISAAC HALL, OF BOSTON, MASSACHUSETTS.

SHOES.

SPECIFICATION forming part of Letters Patent No. 224,528, dated February 17, 1880.

Application filed December 20, 1879.

To all whom it may concern:

Be it known that I, ISAAC HALL, of Boston, county of Suffolk, State of Massachusetts, have invented an Improvement in Shoes, of which the following description, in connection with the accompanying drawings, is a specification.

This invention relates to improvements in shoes of the class known as "plow-shoes," and has for its object such a construction of plow-shoe as will enable the same to be economically made, of good shape, and be fitted and retained properly and closely about the instep.

Figure 1 represents, in front elevation, a plow-shoe constructed in accordance with my invention; Fig. 2, a side elevation thereof; Fig. 3, a plan of the vamp; Fig. 4, a plan of the extension-piece; Fig. 5, a plan of one of the top pieces, and Fig. 6 a plan of the lapping-piece.

The vamp *a*, cut to the proper size and shape, is slit centrally along the line *xx*, Fig. 3, and a portion of the leather is removed, leaving, preferably, an egg-shaped hole, 2, such form being preferred for the reason that the leather of the vamp *a*, when separated along the line *xx* and applied to the last, will not tear, the rounded edge left by making such opening 2 also insuring a better fit. The vamp is joined at its opposite ends, 3 4, by stitching, forming part of the heel-seam.

Each top half of the shoe is composed of a piece, *b*, of the shape shown, its edge 5 being stitched to that part of the vamp formed by separating it along the line *xx* by a row of stitching, *c*.

Each top piece, *b*, at the outer side of each shoe, (the side shown in Fig. 2,) has stitched to it, along its edge 6, the extension-piece *d*, shaped as in Fig. 4, while at each edge 6 of the piece *b*, which forms the inner side of the shoe, is stitched, by the line of stitching *e*, the lapping-piece *f*, shaped as in Fig. 6. This lapping-piece will be crimped along the line *y y*, Fig. 6, and at its lower end will be stitched to the vamp *a*, about the edge 8 of the opening 2 of the vamp, as in Fig. 1, the outer edge of the said lapping-piece covering the extension *d* and the said opening 2.

A plow-shoe constructed of pieces *a b d f*,

shaped and cut as shown, may be readily and easily applied to the foot, the vamp readily spreading at the opening 2, and tearing of the shoe by the insertion of the foot is obviated. 55

Crimping the lapping-piece *f* enables the shoe to be fitted or shaped to conform to the top of the foot; but to insure a better and a very close fit I have added to the shoe two confining-straps, *g g*, they being connected by rivets 10, or otherwise, with the shoe. These straps *g* are made to extend across the lapping-piece, and are connected therewith by the rivets 12, or it may be by stitches or otherwise, and the free ends of the said straps are made to engage buckles *h* or fastenings of usual construction, attached to the shoe at its outer side, as in Fig. 2. 65

I am aware that straps have been attached to the vamp at one edge of a lapping-piece, and, extended across the lapping-piece, have been connected with buckles secured to the vamp. 70

In this my invention, by riveting or otherwise positively securing the crossing-strap *g* with the lapping-piece at its free end, I am enabled, by pulling upon the said straps, to positively draw and fit the lapping-piece to the top of the foot, so that it cannot wrinkle or be pushed back out of place. 80

The sole is represented at 15.

It will be noticed that the edges 5 of the top pieces are only of the length of the straight portion of the vamp along the line *xx*, and the fullness of the shoe over the top of the foot is made by the extension and lapping pieces stitched thereto, as described, the lower edges of the said pieces being stitched to the vamp about the edges of the opening 2—the piece *d* below, and the piece *f* above, the upper. 85 90

I claim—

1. As an improved article of manufacture, a plow-shoe composed of the sole, vamp *a*, top pieces, *b*, stitched to the vamp along its edges, the extension-piece *d*, stitched to one of the top pieces and to the vamp about one edge of the opening 2, and the lapping-piece *f*, stitched to the other top piece and to the outside of the vamp about the opening 2 therein, all substantially as described. 100

2. The vamp *a*, having the straight central

slit, *x*, to form edges to which to attach the top pieces, *b*, and having a portion of the leather cut away, as at 2, to form an eye with a curved or rounded edge, such as shown and
5 described, for the purpose set forth.

3. In a plow-shoe, the vamp, top pieces, and lapping-piece, combined with the straps *g*, extended across the lapping-piece and connected positively therewith at its free end, the said
10 straps being joined with the shoe by a buckle or any other usual fastening, whereby the lap-

ping-piece may be drawn and fitted to the top of the foot and be held in place, substantially as described.

In testimony whereof I have signed my 15 name to this specification in presence of two subscribing witnesses.

ISAAC HALL.

Witnesses:

G. W. GREGORY,
L. F. CONNOR.