

H. Green,

Shoe Heel,

N^o 35,751,

Patented July 1, 1862.

Fig 1.

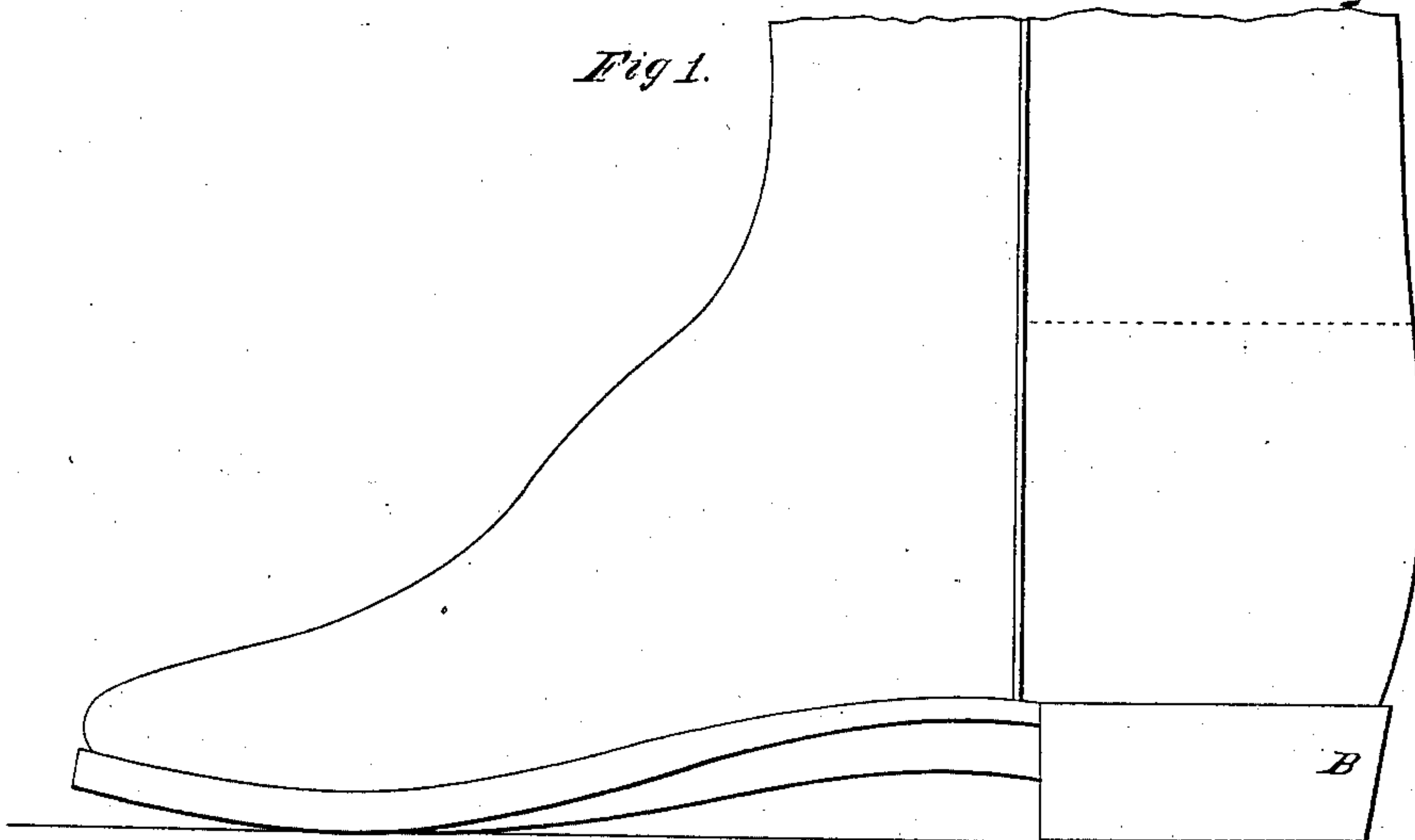


Fig 3.

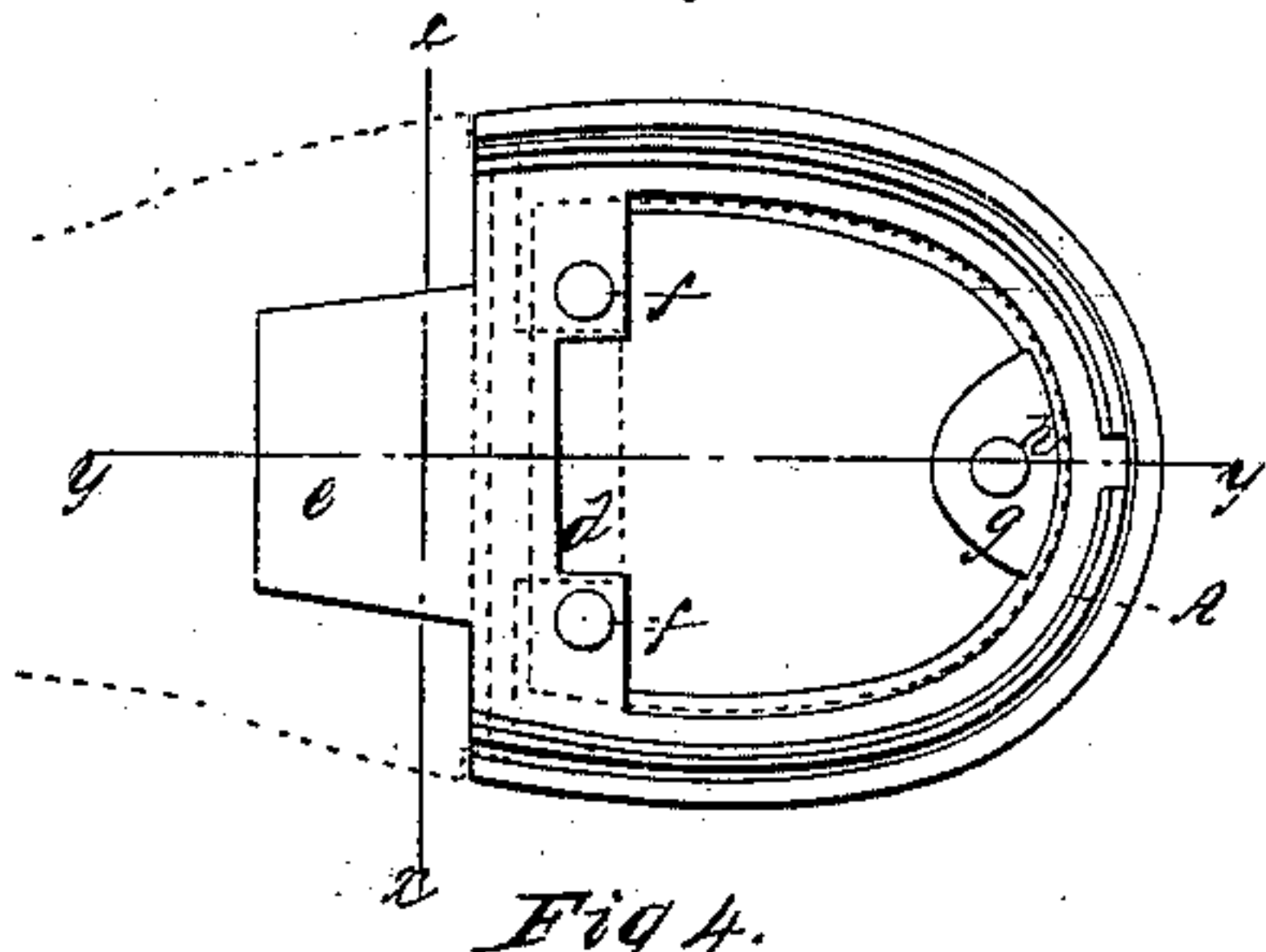


Fig 2.

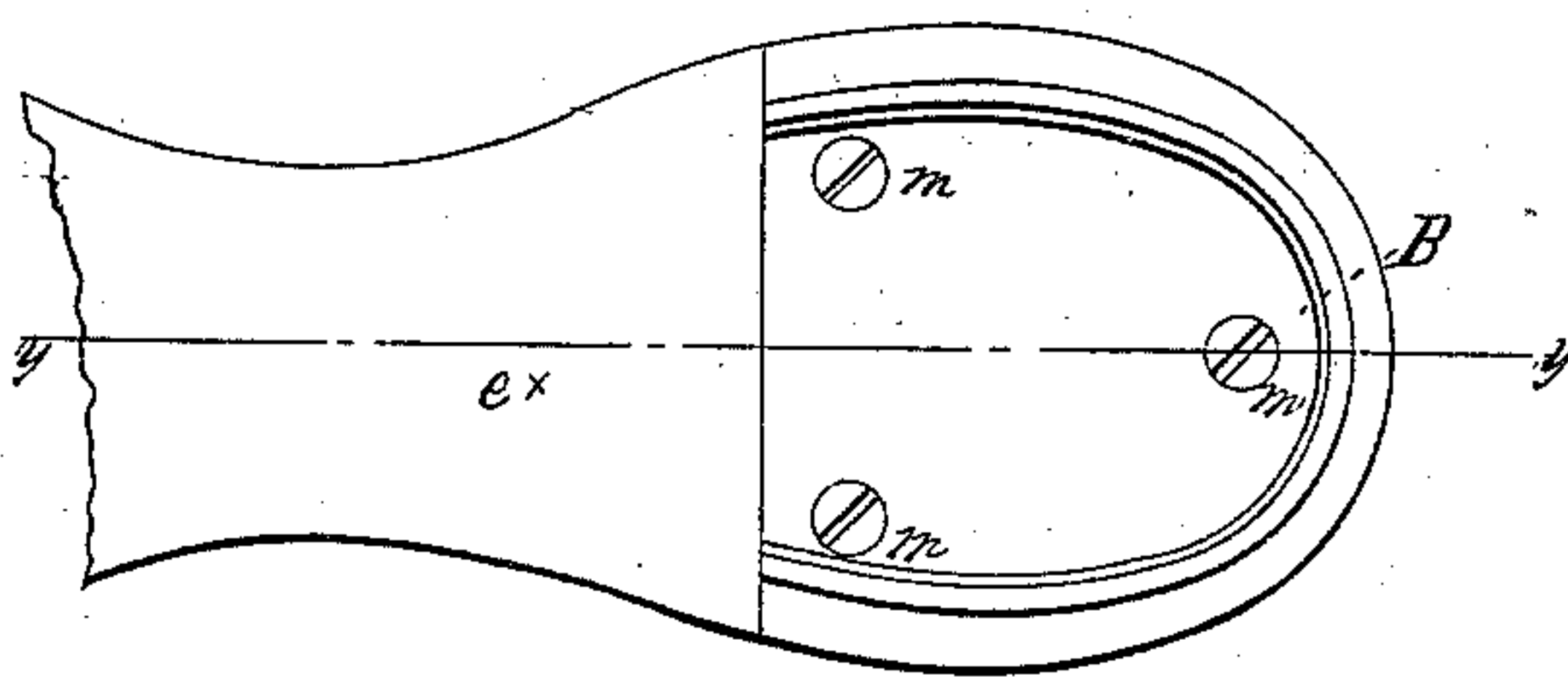


Fig 4.

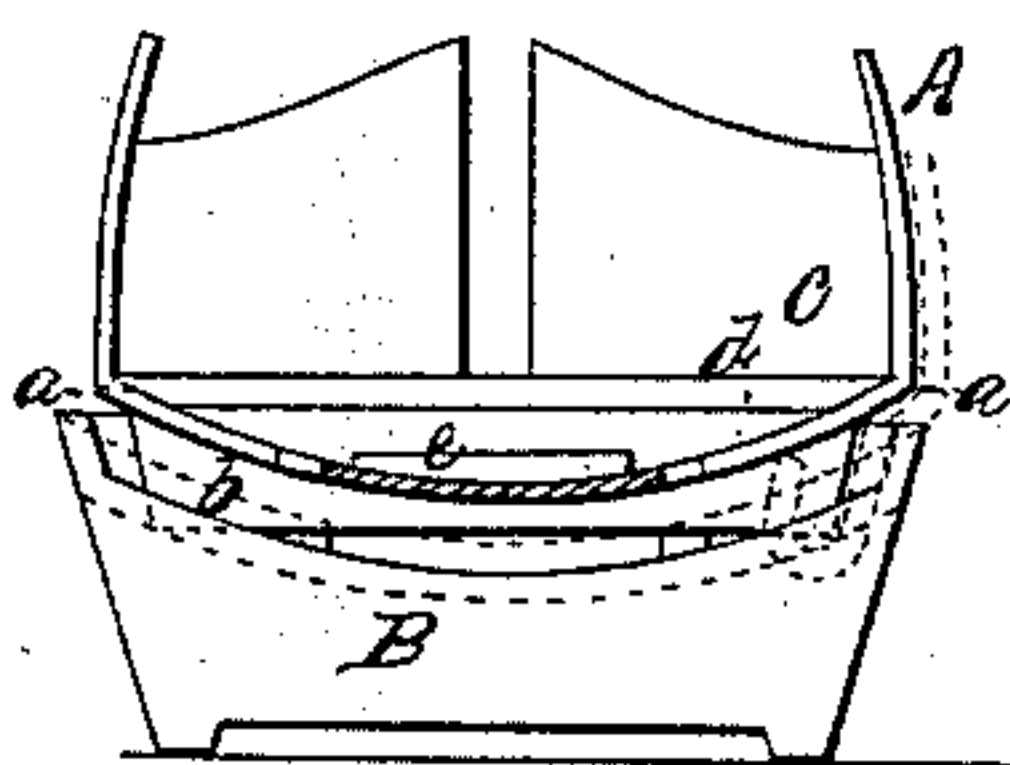


Fig 6.

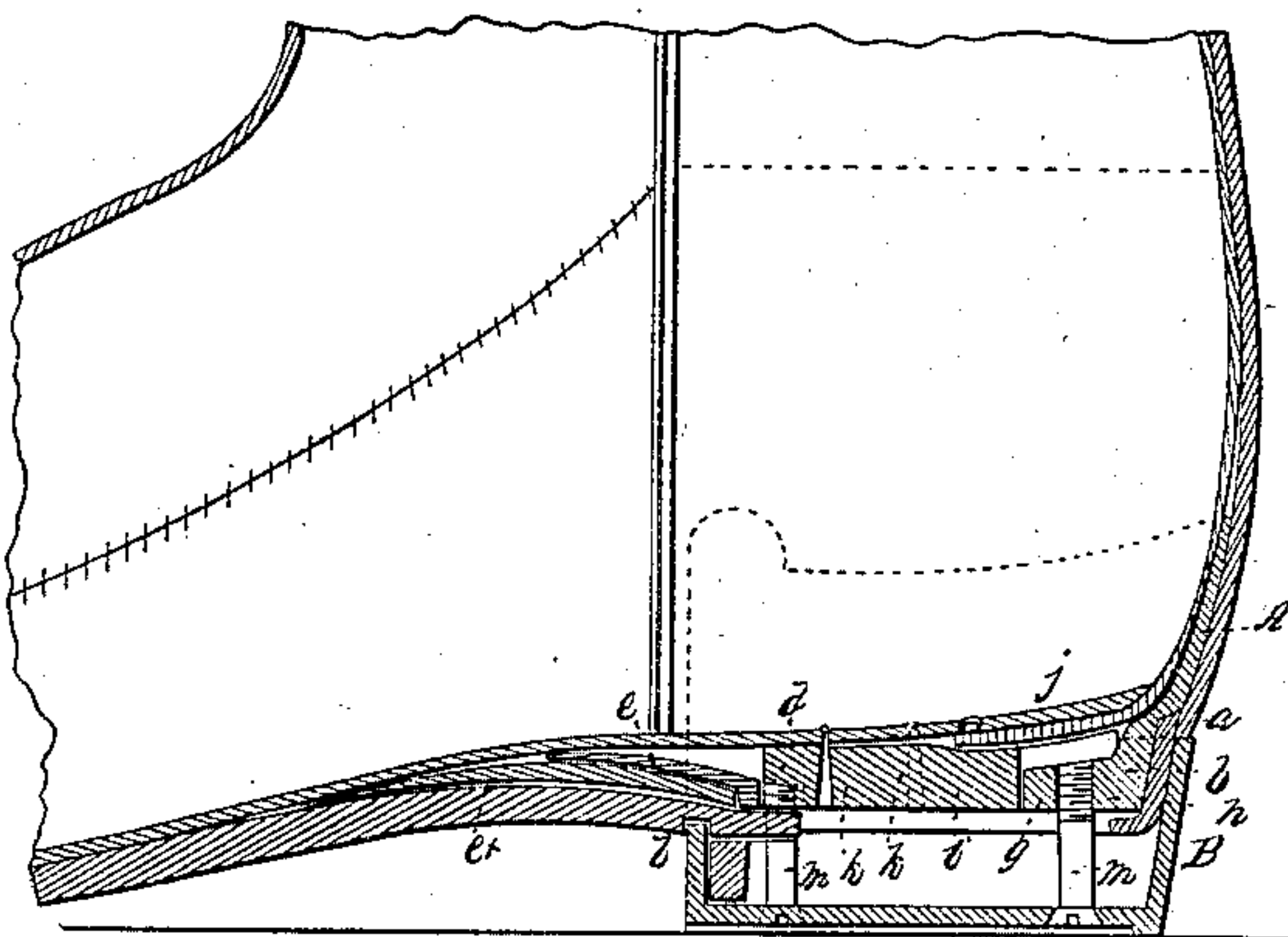
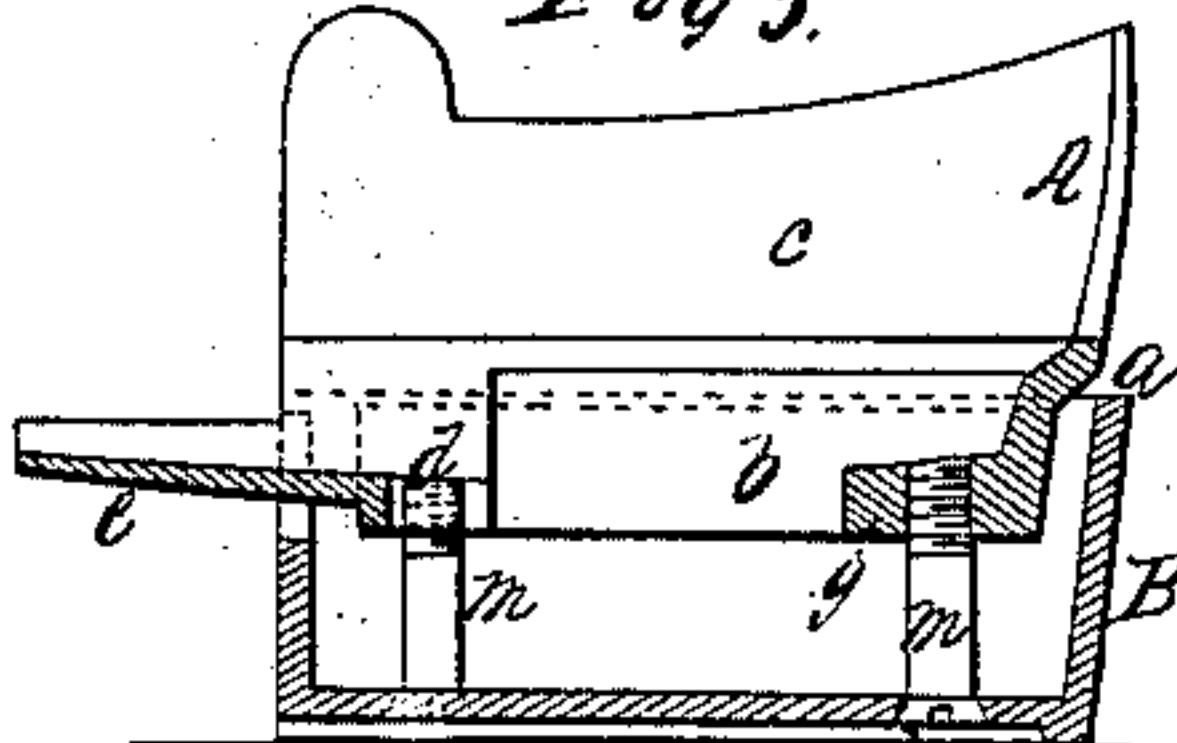


Fig 5.



Witnesses.

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UNITED STATES PATENT OFFICE.

HENRY GREEN, OF ANTWERP, NEW YORK.

IMPROVED METALLIC HEEL FOR BOOTS OR SHOES.

Specification forming part of Letters Patent No. 35,751, dated July 1, 1862.

To all whom it may concern:

Be it known that I, HENRY GREEN, of Antwerp, in the county of Jefferson and State of New York, have invented a new and useful Improvement in Metallic Heels for Boots or Shoes; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a side view of a boot with my invention applied to it; Fig. 2, a bottom view of the same; Fig. 3, a detached bottom view of the upper heel portion of the invention; Fig. 4, a transverse section of Fig. 3, with lower heel portion attached, taken in the line *x x*; Fig. 5, a longitudinal section of the same taken in the line *y y*; Fig. 6, a longitudinal central section of Fig. 1.

Similar letters of reference indicate corresponding parts in the several figures.

The object of this invention is to obtain a metallic heel which may be applied to a boot or shoe with great facility and render the same far more durable than those applied in the ordinary way, and also serve as a support to the hollow of the sole as well as to the back part of the boot or shoe, keeping the same in proper form or shape until entirely worn out.

To enable those skilled in the art to fully understand and construct my invention, I will proceed to describe it.

A represents the upper part of the metallic heel, which may be described as a shell, and of the form of the back part of the boot or shoe, as shown in Figs. 4, 5, and 6. The lower portion of the part A of the heel is provided with a shoulder, *a*, which forms a flange, *b*, of smaller dimensions than the upper portion, *c*, above it, as shown in Figs. 4, 5, and 6. The front part of A is provided with a cross-bar, *d*, from which a plate or shank, *e*, projects, (see Figs. 3, 5, and 6,) and said cross-bar *d* has two screw-holes, *f f*, made in it. There is a horizontal flange, *g*, also at the back of the part A, in which there is a screw-hole, *h*. (See more particularly Fig. 3.) This part A of the heel is fitted within the back part of the boot or shoe, as shown clearly in Fig. 6, the leather extending down over the flange *b* and turned upward at its inner side, as shown

by the dotted lines in Fig. 4, and a piece of leather, *i*, is inserted within the flange *b* and secured to the sole *j* by pegs or nails *k*. (See Fig. 6.) The projection or shank *e* is fitted within the hollow or shank *e'* of the sole, and serves to support the same, effectually preventing it from sinking or being depressed under the weight of the wearer. The part A, with its cross-bar, flange, and projection or shank, it will be understood, are all cast in one piece.

The lower part, B, of the heel is also a shell, cast in the usual form of a leather heel, as will be seen by referring to Figs. 1, 4, 5, and 6. The upper edge of the front of the part B fits in a crease or recess, *l*, in the back part of the shank, and the upper part of B fits over the leather, which extends down on the flange *b* of A, as shown in Fig. 6.

The part B is secured to the part A by screws *m*, which pass into the holes *f f h*. The part B, it will be seen, may be readily detached at any time when required and replaced by a new one. The part A, not being subjected to any wear, will last indefinitely.

The upper portion, *c*, of the part A is inclosed in the back part of the boot or shoe, and effectually sustains or supports said part, rendering it firm or stiff, so that it cannot be deflected or "run down" out of proper position under the tread of the foot, neither at the back nor sides, as the portion *c* extends around at each side of the heel to the front part of the same. The portion *c* also dispenses with the ordinary leather "counter" hitherto inserted in the heel, and a saving in stock is thereby effected by its use, as well as a saving in labor, as the part A of the metallic heel may be adjusted to the foot in much less time than the ordinary heel and leather counter.

In consequence of having the part A of the heel provided or formed with a sunken flange, *b*, for the upper end of the lower part, B, of the heel to lap over, the leather of the boot or shoe at the junction of the heel thereto does not require to be stitched or sewed, as the leather is firmly secured or clamped between the parts aforesaid, as in a vise. Much labor is thereby avoided by this feature of the invention; and in case any repairs are needed, or the application of a new lower part, B, re-

quired, the latter may be readily detached and a new one adjusted in its place.

I would further remark that the shank e, which is connected to and forms a part of the upper part, A, of the heel, answers every purpose of the metallic shank hitherto used, while no extra labor or expense attends its application to the boot or shoe.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The combination of the parts A B, provided with the shank-piece and counter-piece and constructed with the flange and angles for clamping the leather, all substantially as and for the purposes specified.

HENRY GREEN.

Witnesses:

JACOB SNELL,

JACOB SHULL.