

No. 740,760.

PATENTED OCT. 6, 1903.

P. A. JAHN.
RUBBER HEEL HOLDER.
APPLICATION FILED APR. 7, 1902.

NO MODEL.

Fig. 1.

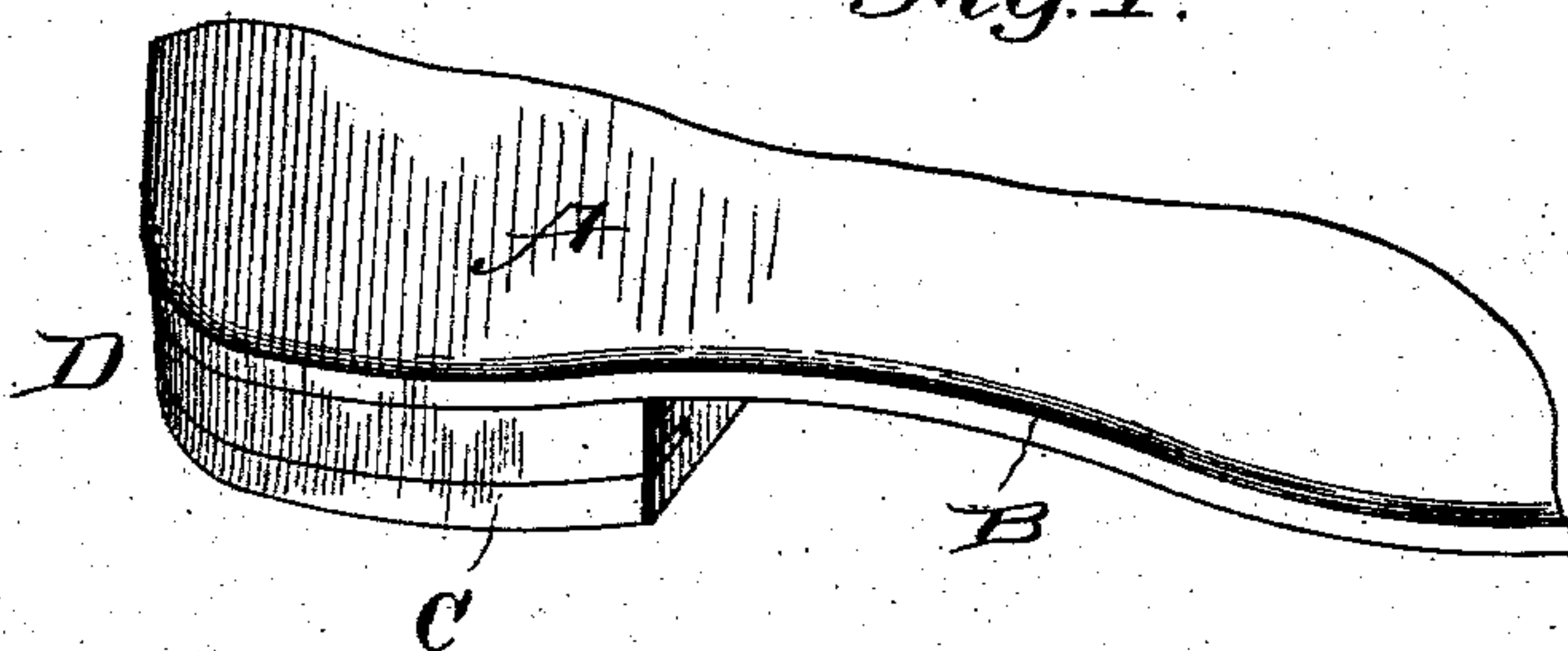


Fig. 2.

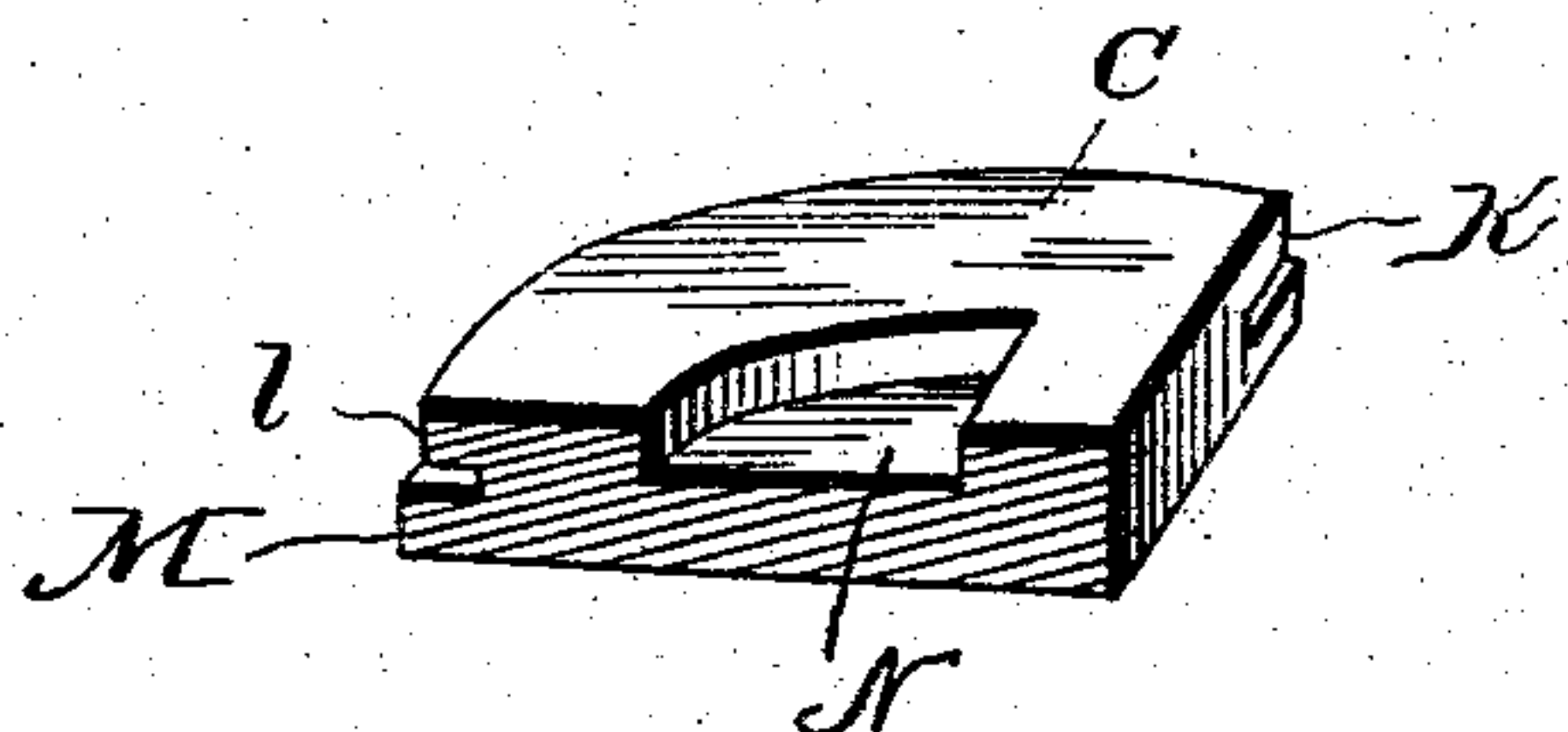


Fig. 3.

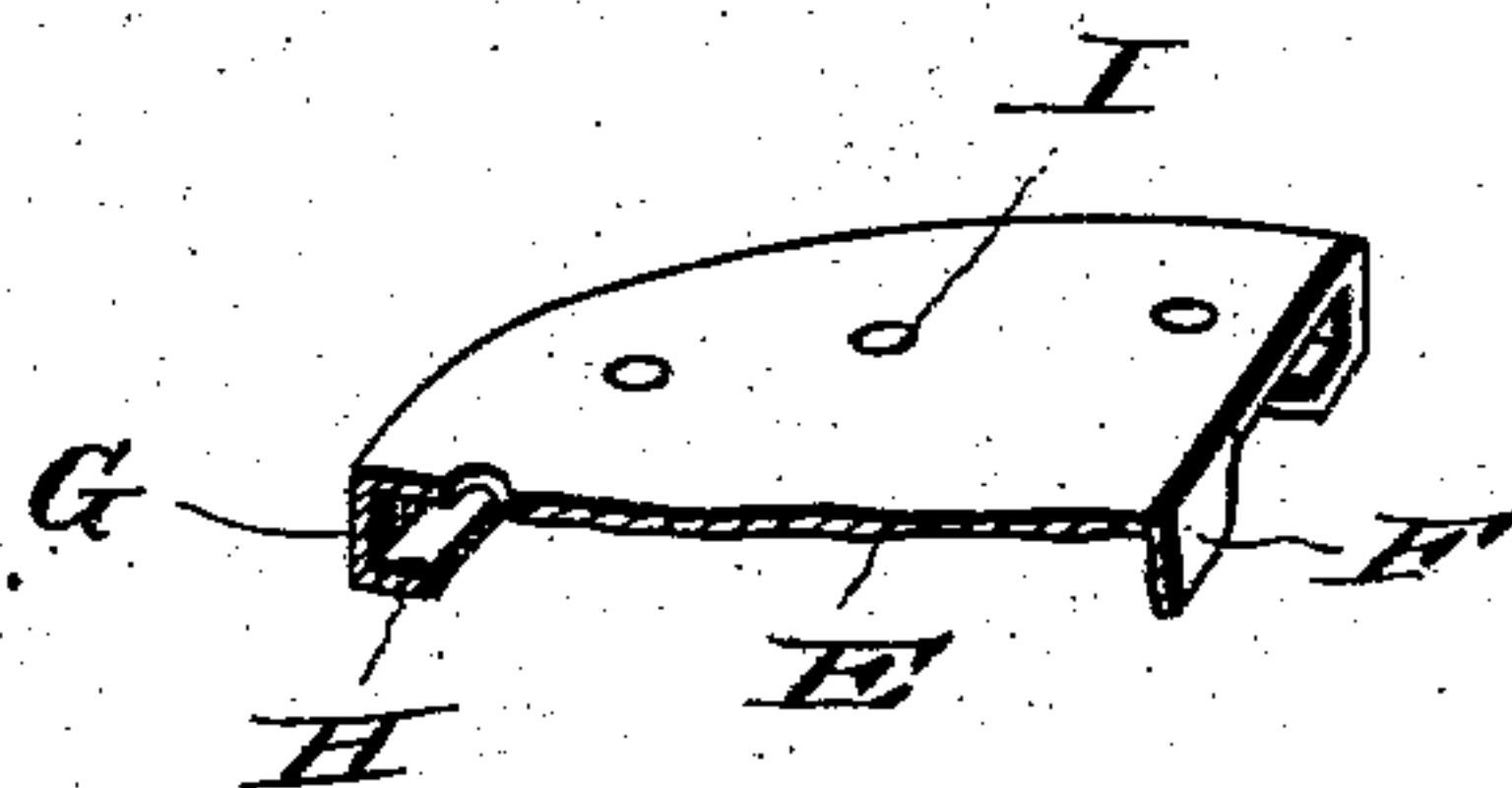
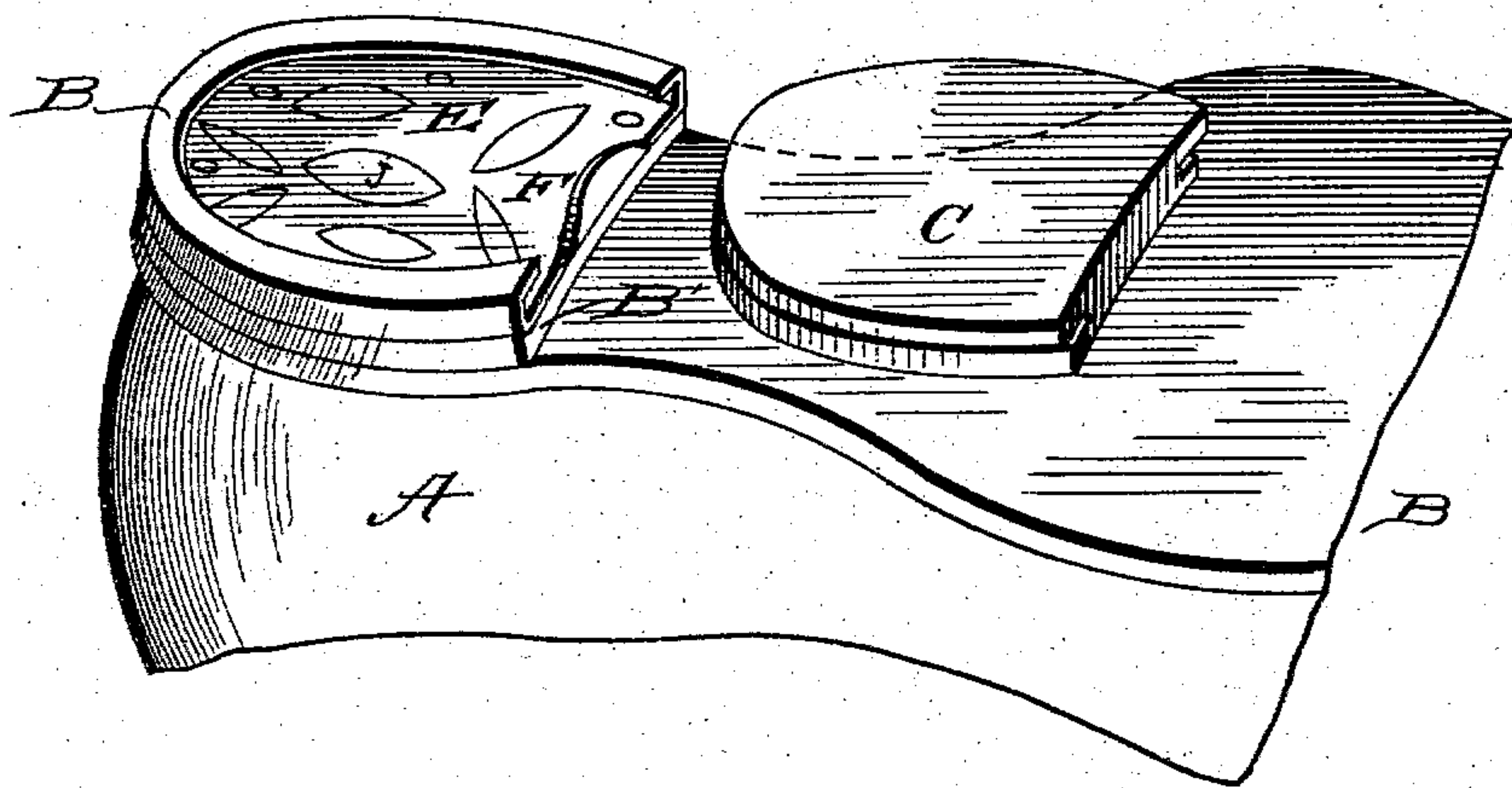


Fig. 4.



Witnesses

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RUBBER-HEEL HOLDER.

SPECIFICATION forming part of Letters Patent No. 740,760, dated October 6, 1903.

Application filed April 7, 1902. Serial No. 101,679. (No model.)

To all whom it may concern:

Be it known that I, PHILIP A. JAHN, a citizen of the United States, residing at No. 171 Quincy street, Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Rubber-Heel Holders, of which the following is a specification.

My invention relates to improvements in articles of footwear in which composite heels of leather and rubber or rubber alone are variously attached to the main sole of a boot or shoe by means of nails, wires, or screws; and the objects of my improvement are, first, to provide a metallic holder for rubber heels attachable to the leather heel-lifts or the main sole; second, to provide facilities for the quick and easy interchanging of the rubber heels from right to left, and vice versa; third, to provide the rubber heel with engagements suitable to the metallic holder; fourth, to afford facilities with the metallic holder for the proper engagement and retention of the rubber heel; fifth, to provide a metallic holder for rubber heels having the semblance of a leather lift. I attain these objects by the construction illustrated in the accompanying drawings, in which—

Figure 1 is a side view of a rubber heel engaged to the main sole of a shoe embodying my invention, the upper and toe portion of the shoe being broken away; Fig. 2, a vertical longitudinal central view in perspective of a solid-rubber heel, showing its construction for engagement with the metallic heel-holder; Fig. 3, a vertical longitudinal central section view in perspective of the metallic holder, showing its manner of engagement with a lift or main sole and its construction resembling a lift and also its form of engagement with the main sole or a lift and its manner of engaging the rubber heel and retaining thereof; Fig. 4, a view in perspective of a shoe bottom side up, showing the metallic holder for rubber heels attached onto a leather lift, the rubber bottom walk removed.

Similar letters refer to similar parts throughout the several views.

The part A represents an upper, B the main

sole, and C a solid-rubber heel of an ordinary shoe, the toe and top portion thereof not drawn.

The heel portion of the main sole B is provided with a metallic holder D (see Fig. 1) having the form and appearance of a leather lift, whose function it is to receive and to hold the rubber heel C to the shoe and is referred to hereinafter.

The metallic holder D aforementioned consists of a plate E, heel-formed, with its top surface concaved to accommodate the convexity of the main sole and is permanently engaged thereto by means of clench-nails, wires, or screws and has downward-projecting rim extensions F and G, the latter being a rim extension of said plate, (see Fig. 3,) with a lateral inward-extending flange H, that forms a channel or groove for the reception and retention of the rubber heel C, referred to hereinafter.

The plate E aforementioned is provided with nail-holes I in convenient places near the flange and perforations J of any size or form for lightness and is adapted to be engaged either to the main sole of a shoe for heels wholly of rubber or to any one of the lifts in a heel when it is desired to have only the bottom walk of rubber, as is shown in Fig. 4.

The rubber heel C aforementioned is in size and form similar to all ordinary heels, except I have provided a central hollow N for lightness in solid-rubber heels and an inward-extending step or offset L in the rim-periphery that corresponds to the thickness of the downward-projecting extension G of the holder; also, a groove K beneath and adjacent to said step corresponding to the width and thickness of the inward-extending flange H, forming, as it does, a rubber cleat l, that engages in the channel of the holder formed by said downward projection G and inward-extending flange H.

The manner of engaging the rubber heel with the holder is done by simply bending the sides of the heel downward, (in the hand.) That bulges the lengthwise bottom upward until it will pass over the projecting exten-

sion F, as the cleat of the heel is introduced into the open channel formed in the holder
aforescribed, and the wide portion of the heel has passed the narrow throat portion of
5 said holder, when it is released and crowded into place behind the projecting extension F and is rigidly held in place by the expansive force of the rubber against the throat portion of the holder and said extension.

- 10 In case one wears his heels down on the rear corner or side he can readily remove and interchange them by simply placing a pry between the plate E and the rubber C and force the latter up over the flange F and draw it
15 out by the hand. Care therefore should be exercised in constructing the corresponding parts of the holder and heel so that they may be interchanged at will or for any purpose and that the rubber will not wear loose and
20 rattle within the holder from use.

The downward-projecting rim extension G aforesaid should have its top and bottom corners sharp-turned, so as to fit snugly with the main sole B or lift B' and the rubber heel C, the outward face thereof tapered, so as to correspond with the form intended for the heel to have, and I would coat
25 it with enamel of a color to match the shoe

and hide the metal and to give to the combined heel the appearance of a leather heel. 30

Having thus described my invention, I claim—

1. In a device of the type set forth, the combination with the heel, of a plate secured to the bottom of the said heel, said plate having
35 its side and rear edges bent downward and inward to form a retaining-flange, a downwardly-projecting tongue formed integral with the forward edge of the said plate, and a rubber heel arranged between the said flange
40 and tongue of the said plate, substantially as described.

2. A holder of the type set forth comprising an apertured plate, a downwardly-extending tongue formed integral with the forward
45 edge of the said plate, a downwardly-extending flange formed integral with the side and rear edges of the said plate, said flange having its lower edge bent inward, substantially
50 as and for the purpose specified.

In testimony whereof I affix my signature in presence of two witnesses.

PHILIP A. JAHN.

Witnesses:

HENRY JAUCH,
DAN T. MILLER.