

No. 822,061.

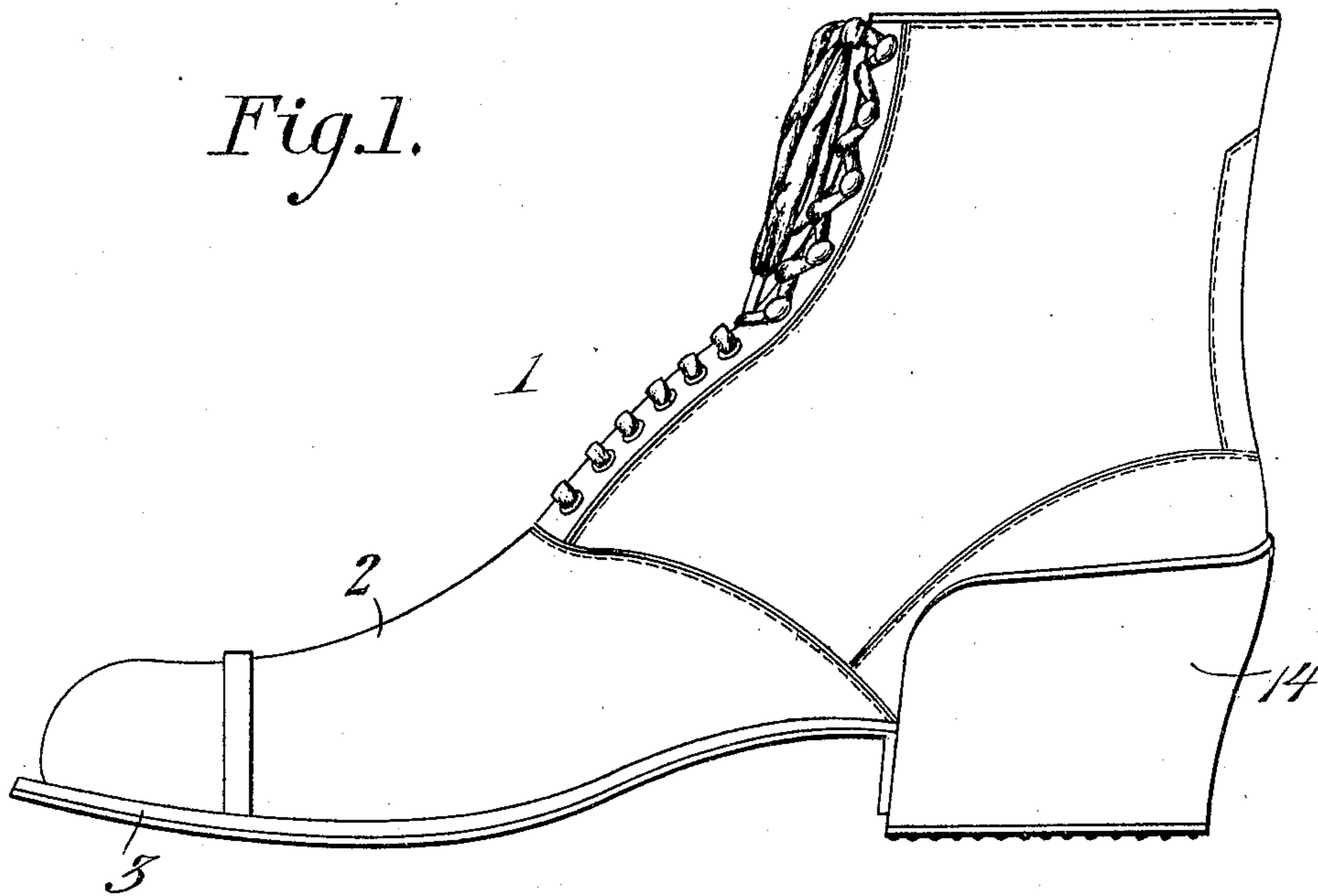
PATENTED MAY 29, 1906.

J. H. LEE.

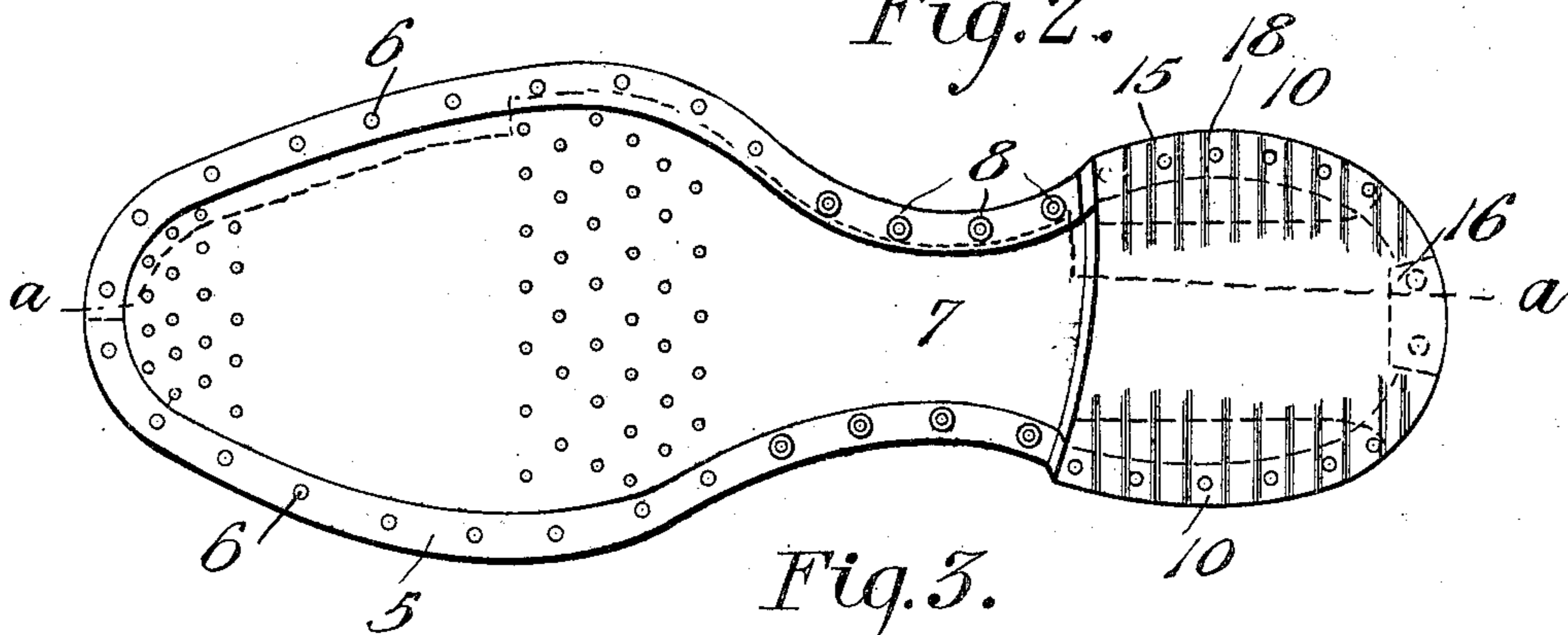
SHOE.

APPLICATION FILED OCT. 7, 1905.

*Fig. 1.*

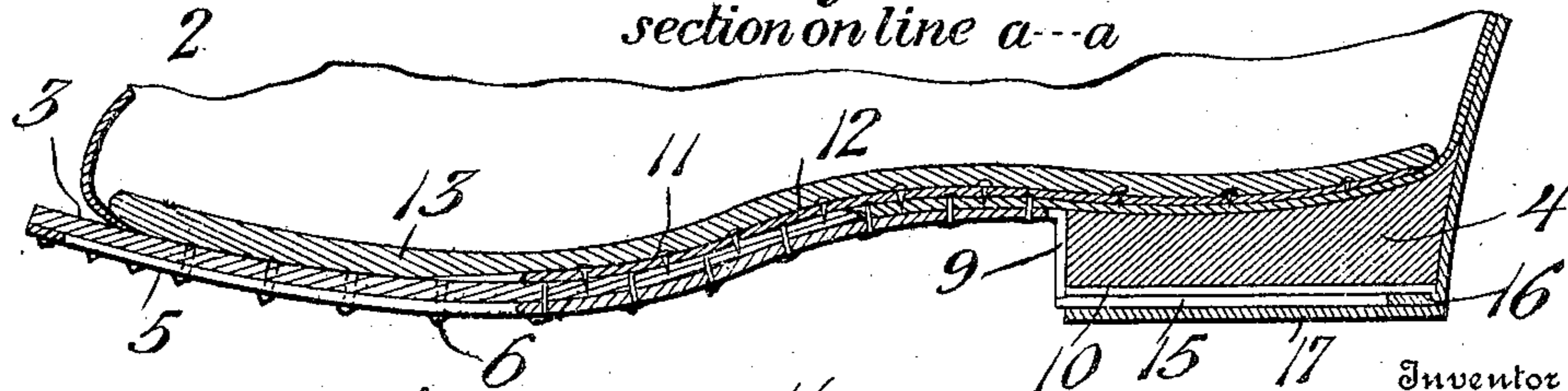


*Fig. 2.*



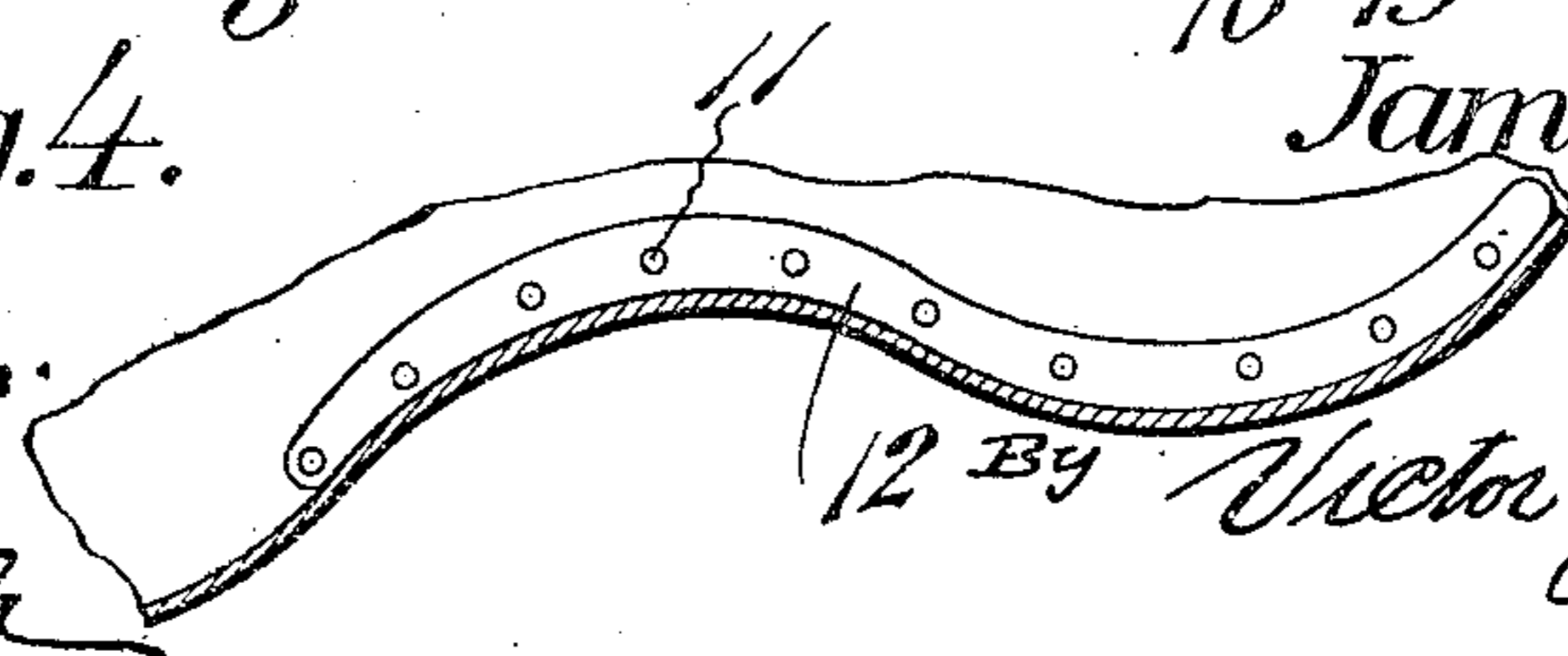
*Fig. 3.*

section on line a--a



*Fig. 4.*

Witnesses  
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# UNITED STATES PATENT OFFICE.

JAMES H. LEE, OF CARBON HILL, ALABAMA.

## SHOE.

No. 822,061.

Specification of Letters Patent.

Patented May 29, 1906.

Application filed October 7, 1905. Serial No. 281,815.

*To all whom it may concern:*

Be it known that I, JAMES H. LEE, a citizen of the United States, residing at Carbon Hill, in the county of Walker and State of Alabama, have invented new and useful Improvements in Shoes, of which the following is a specification.

This invention relates to shoes designed especially for miners' use, and has for its objects to produce a comparatively simple inexpensive device of this character which in practice will effectually withstand the hard usage to which it may be subjected, one in which the sole will be securely attached to the upper, and one wherein the entrance of moisture between the sole and upper is obviated, thus rendering the shoe practically waterproof.

With these and other objects in view the invention comprises the novel features of construction and combination of parts more fully hereinafter described.

In the accompanying drawings, Figure 1 is an elevation of a shoe embodying the invention. Fig. 2 is a bottom view of the same. Fig. 3 is a section taken on the line *a a* of Fig. 2. Fig. 4 is a detail view of the inner projecting plate.

Referring to the drawings, 1 designates a shoe comprising an upper 2, a sole 3, and a heel 4, these parts, except as hereinafter explained, being of the usual construction and material and adapted to perform their ordinary functions. In accordance with my invention the sole 3 has applied to its outer face a marginal wearing plate or band 5, secured in place by fastening members or nails 6, applied around the sole except at the shank 7, at which point the plate is secured by rivets 8, which latter, together with the nails 6, serve the further function of attaching the sole 3 to the upper 2. The strip 5 is bent at points adjacent its ends to fit upon the breast of the heel 4, as at 9, and thence continued around the margin of the outer face of the latter, as at 10, said heel portions 10 of the strip being terminated at the rear of the heel and in relative spaced order for a purpose which will presently appear.

Attached to the inner face of the sole by nails or other fastening members 11 are wearing members or plates 12 of the form illustrated in Fig. 4, these plates being arranged above and to register with the rear portions of the strips 5 and extended to marginally

overlie the shank 7 and heel 4 for strengthening or stiffening the shank and serving as a bearing for the inner ends of the rivets 8, there being arranged in the shoe an inner sole 13, composed of suitable material and adapted to protect the foot of the wearer from contact with the inner ends of the sole-fastening members.

Applied to and inclosing the heel 4 is a cup-shaped metal projecting member or plate 14, which overlies the side faces of the heel and extends upward over the outer face of that portion of the upper lying above the heel, the member 14 being provided at its inner edge with inner-turned side flanges 15, designed to engage beneath the lower face of the heel, and an inturned rear flange 16, which engages the outer face of the heel at a point between the terminals of the portions 10 of strip 5. Applied to the outer face of the heel over the flanges 15 and 16 is a metal heel-plate 17, provided with transverse corrugations 18 to present a roughened bearing-surface, which serves, in connection with the hob-nails 6, for preventing the foot of the wearer from slipping on snow or ice.

It is apparent from the foregoing that the plate 5 serves not only to relieve the sole from wear, but also acts to strengthen the marginal edge of the sole to prevent the latter from pulling away from the upper 2 and obviating the entrance of moisture at the edge of the sole, while the heel-protecting member or plate 14 protects the heel from the action of moisture and also secures the heel firmly in place, the inner members 12 serving, as before stated, to strengthen the sole at its shank 7 and as a bearing for the inner ends of the rivets 8.

From the foregoing it is apparent that I produce a simple device admirably adapted for the attainment of the ends in view, it being understood that minor changes in the details herein set forth may be resorted to without departing from the spirit of the invention.

Having thus fully described my invention, what I claim as new is—

A shoe comprising an upper, a sole and a heel, a protecting-strip applied to the outer face of and marginally around the sole, said strip being extended down the breast of the heel and marginally around the latter and having its ends attached to the heel at the rear of the latter, strengthening-strips ap-

plied to the inner face of the sole at the shank  
portion of the sole and to overlie the adja-  
cent portions of the protecting-strip, and fas-  
tening members extended through the pro-  
5 tecting-strip and sole at the shank portion of  
the latter and engaged at their inner ends  
with the strengthening-strips.

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

JAMES H. LEE.

Witnesses:

J. M. STOVALL,  
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