

No. 712,816.

Patented Nov. 4, 1902.

G. W. LEWTON.
RUBBER HEEL FOR BOOTS OR SHOES.

(Application filed Oct. 18, 1900.)

(No Model.)

Fig. 1.

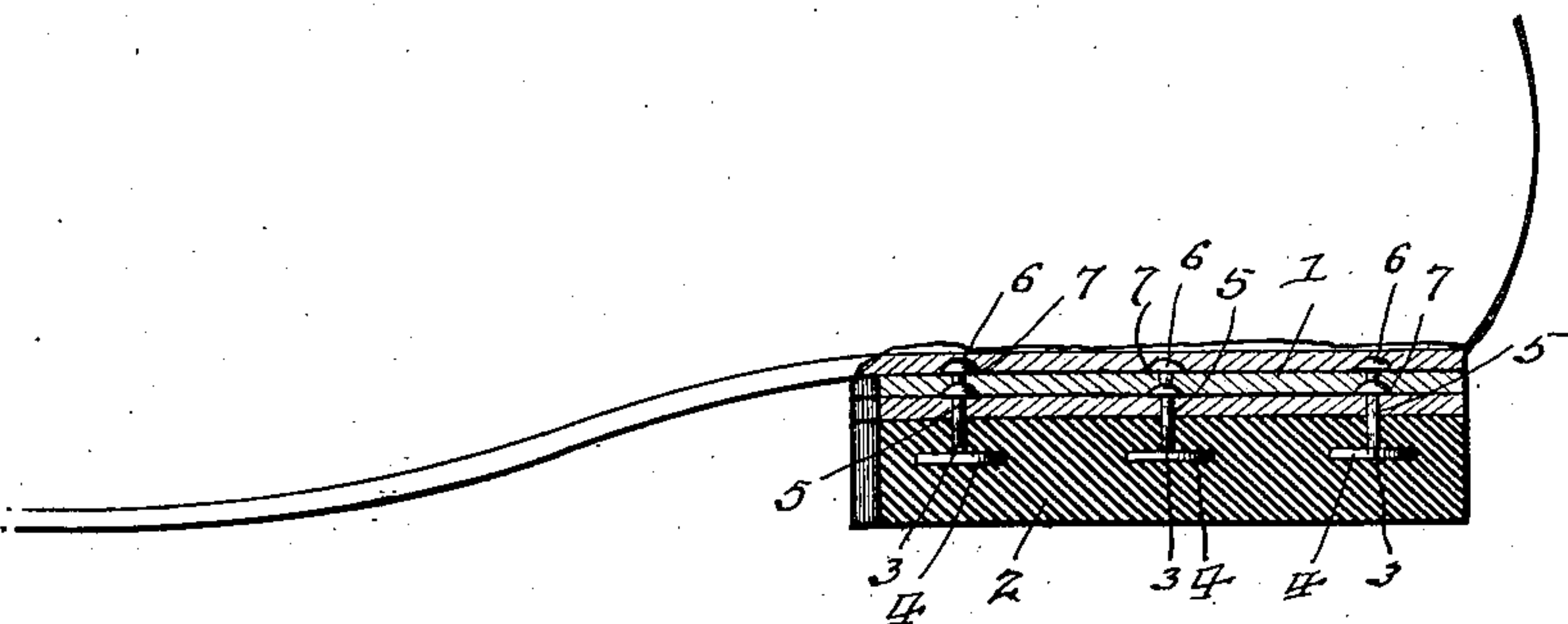


Fig. 2.

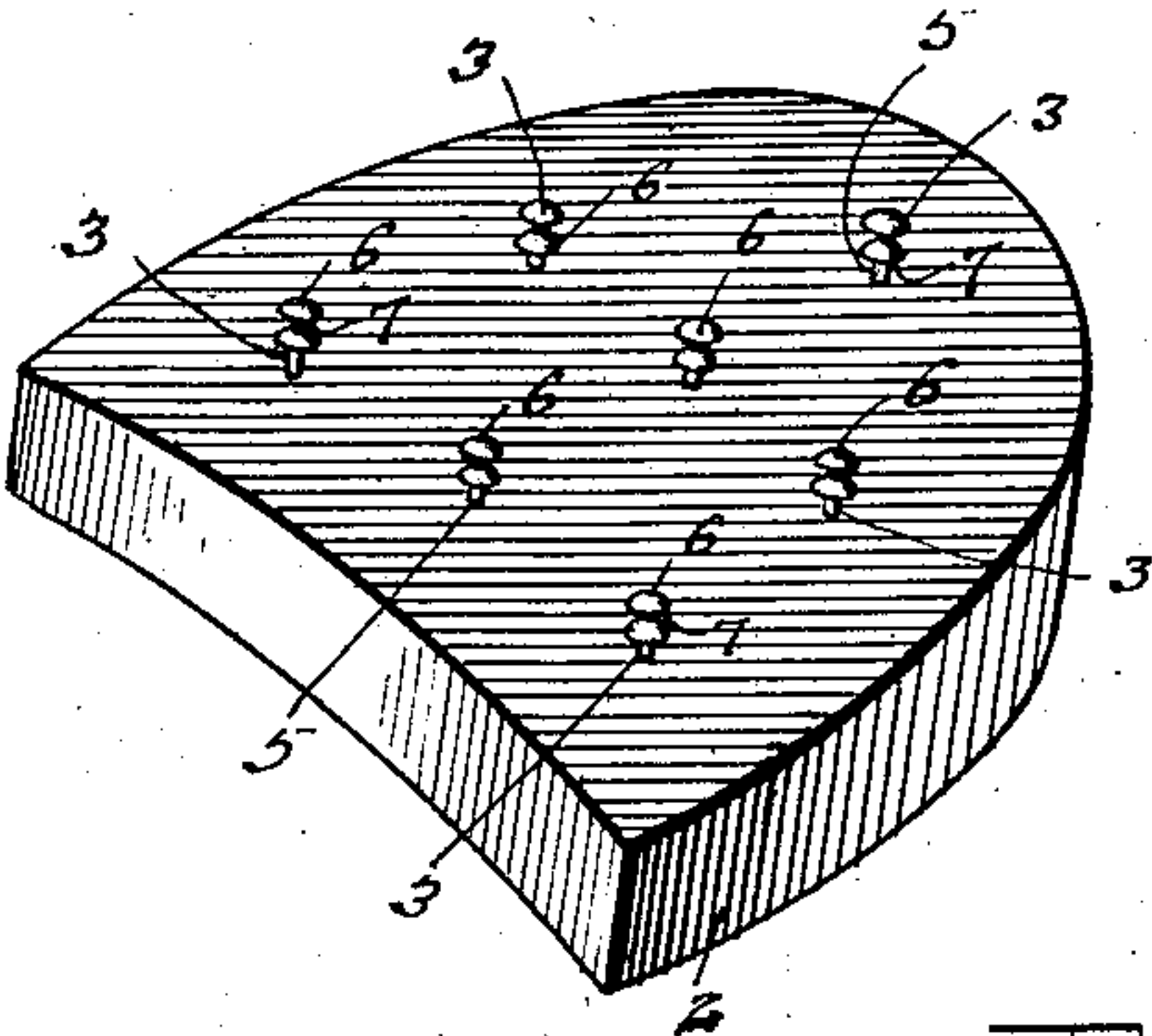


Fig. 3.

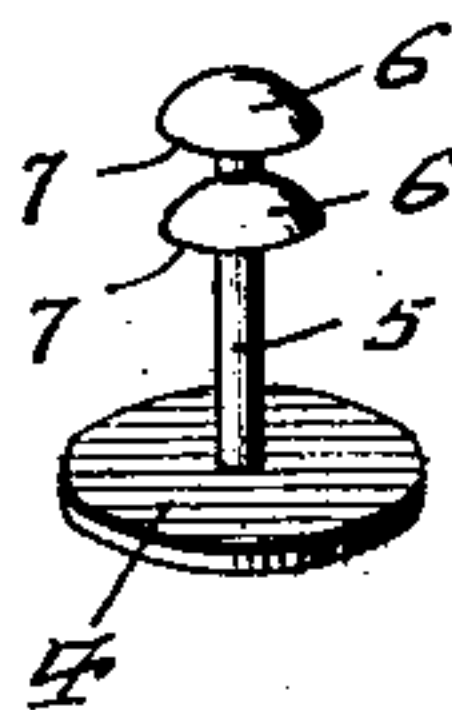


Fig. 4.

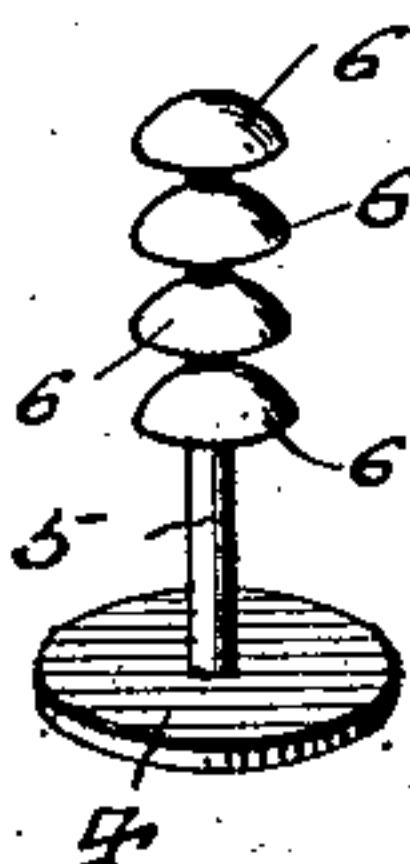


Fig. 5.

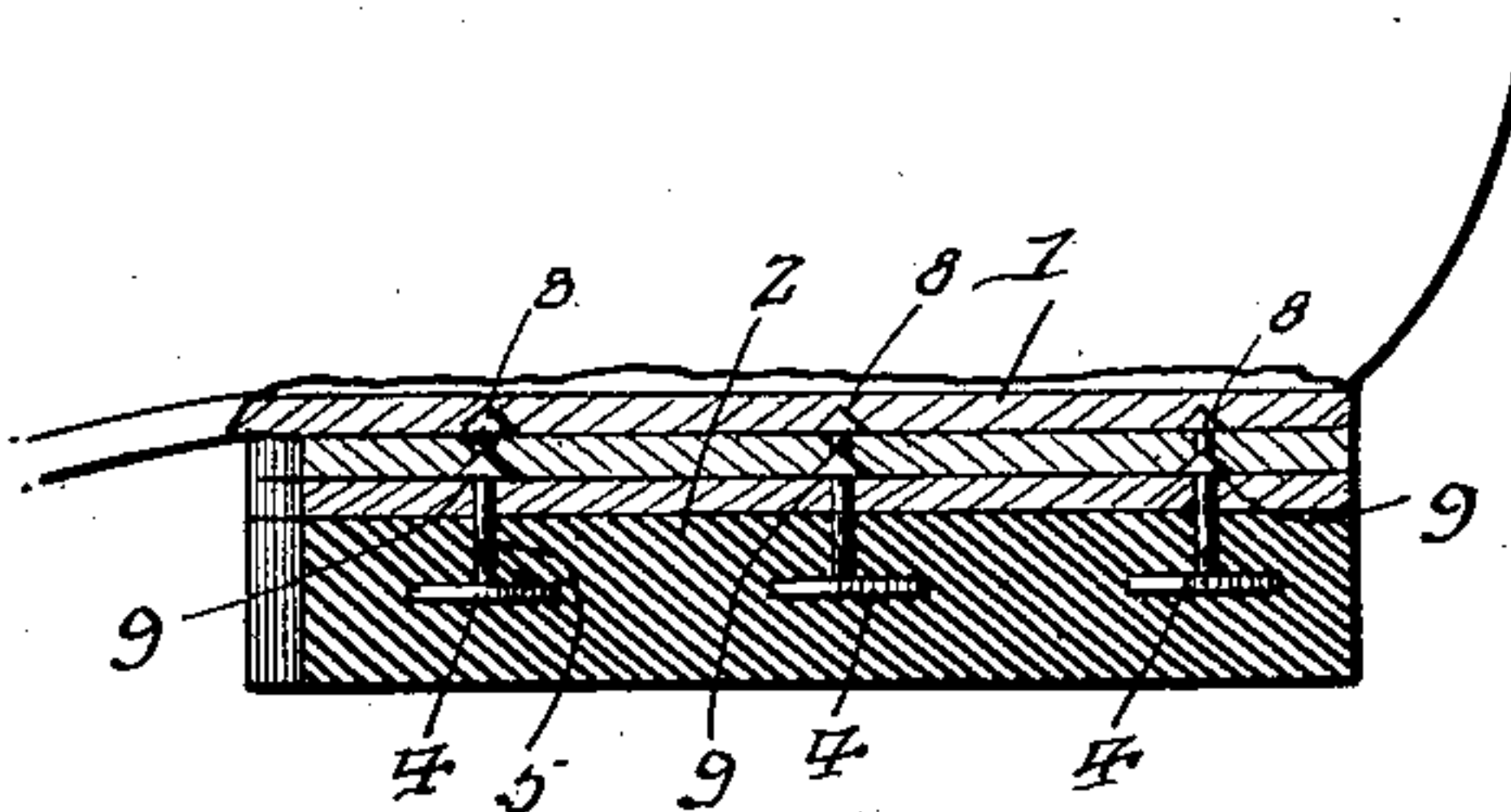


Fig. 6.

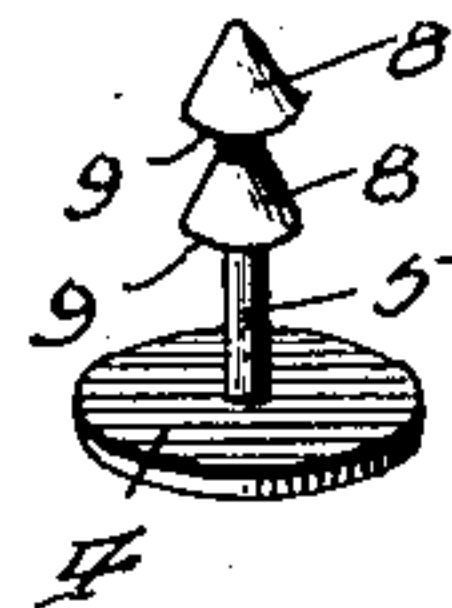
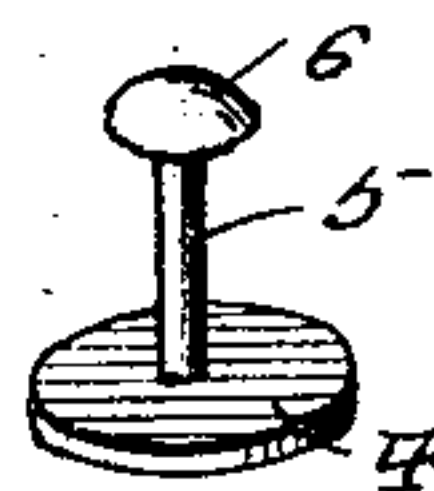


Fig. 6^a.



Witnesses

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UNITED STATES PATENT OFFICE.

GEORGE WILLIS LEWTON, OF DES MOINES, IOWA.

RUBBER HEEL FOR BOOTS OR SHOES.

SPECIFICATION forming part of Letters Patent No. 712,816, dated November 4, 1902.

Application filed October 18, 1900. Serial No. 33,495. (No model.)

To all whom it may concern:

Be it known that I, GEORGE WILLIS LEWTON, a citizen of the United States, residing at Des Moines, in the county of Polk and State of Iowa, have invented a new and useful Rubber Heel for Boots or Shoes, of which the following is a specification.

This invention relates to rubber heels for boots.

10 The object of the invention is to provide a rubber heel which may be readily attached to a boot or shoe and which when once positioned thereon will be positively held from disengagement therewith.

15 With these and other objects in view, as will appear as the nature of the invention is better understood, the same consists in the novel construction and combination of parts of a rubber heel for boots, as will be herein-
20 after fully described and claimed.

In the accompanying drawings, forming a part of this specification, and in which like numerals of reference indicate corresponding parts, there are illustrated four forms of embodiment of the invention capable of carrying the same into practical operation, it being understood that the elements therein exhibited may be varied or changed as to shape, proportion, and exact manner of assemblage
30 without departing from the spirit thereof, and in these drawings—

Figure 1 is a view in sectional elevation of a portion of a boot or shoe showing the heel-lifts having associated therewith the improved heel of this invention. Fig. 2 is a detail perspective view of the heel detached. Fig. 3 is a perspective detail view of the preferred form of fastening device to be associated with the rubber heel. Fig. 4 is a perspective view of a modified form of fastening device. Fig. 5 is a vertical longitudinal section of a portion of a boot or shoe heel showing a modified form of fastening device associated with the rubber heel. Fig. 6 is a detail perspective view of a form of fastening shown in Fig. 5. Fig. 6^a is a detail perspective view of another form of fastening device.

Referring to the drawings and particularly to Figs. 1, 2, and 3 thereof, 1 designates the usual leather heel-lifts, which may be applied to the shoe upper in any preferred manner,

and 2 the rubber heel, which may be of any suitable or desired thickness and has associated with it a plurality of fasteners or attaching devices 3. The heel is a solid one-piece structure, and the attaching devices are molded therein and are thus positively held against accidental separation therefrom. Each fastener comprises an anchoring-disk 4, which is embedded in the heel, a shank 5, and two mushroom-shaped heads 6, having flat presenting bases 7, the distance between the base of the upper head and the rounded surface of that below and the distance between the base of the lower head and the upper surface of the heel being equal to the thickness of the heel-lifts, whereby when positioned within the lifts, as shown in Fig. 1, the bases will bear upon the upper surfaces thereof and will thus be firmly held associated therewith against movement, the vertical thickness of the upper head being less than the thickness of the heel-lift above it, thus to prevent penetration of the lift and consequent discomfort to the wearer of a shoe equipped with the heels of this invention. This feature is common to all of the forms shown and constitutes one of the essential features of the invention. In positioning the heel upon a shoe the necessary number of holes of a suitable size are formed in the leather lifts, and into these holes the heads are forced, and the bases catch upon the upper portions of the leather lifts and draw the rubber heel closely thereagainst. When the projections are forced into the heel, the leather yields laterally and afterward passes in below the bases, so that the latter firmly take into the leather and are thus held associated therewith.

In the form of embodiment of the invention exhibited in Fig. 4 the number of heads is shown as increased to four for application to a greater number of lifts, it being understood that this number might be greater or less than four, as three, five, or six.

In the form of embodiment of the invention exhibited in Figs. 5 and 6 a further modification in the form of fastening device is shown, the difference over what has already been described being that the heads 8 of the fastening devices are conical; but the bases 9 are flat, as in the other figures. It is to be un-

derstood that the number of heads may be increased in this form of fastening device, if found necessary or desirable.

In the form of embodiment of the invention exhibited in Fig. 6^a the fastening device is shown as provided with but one head, and in practice this is to be spaced from the rubber heel a distance equal to the thickness of the lift for the purpose already stated.

While not herein shown, it is to be understood that the tread-surface of the heel may be roughened or indented to prevent slipping, and as this will be readily understood detailed illustration thereof is deemed unnecessary.

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

1. As a new article of manufacture, a rubber heel for boots and shoes, having fastening
20 devices projecting beyond its upper face and provided each with a head having a flat base, the distance between the bases of the heads and the upper face of the heel being substantially equal to the thickness of an ordinary
25 heel-lift, and the vertical thickness of the said

heads being less than the thickness of a lift, whereby when the heel is associated with a shoe, penetration of the upper lift, which would result in discomfort to the wearer of the shoe, is obviated, substantially as and for the
30 purpose specified.

2. As a new article of manufacture, a rubber heel for boots and shoes, having fastening devices projecting beyond its upper face and
35 provided each with a plurality of heads having flat bases, the distance between the said bases of the several heads, and the distance between the bases of the lower heads and the upper face of the heel being substantially equal to
40 the thickness of an ordinary heel-lift, and the vertical thickness of the terminal heads being less than the thickness of a lift, substantially as and for the purpose specified.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in
45 the presence of two witnesses.

GEORGE WILLIS LEWTON.

Witnesses:

T. B. ROBINSON,
HAYDEN SAYLOR.