

April 15, 1924.

E. W. BORGER
RUBBER HEEL
Filed Aug. 7, 1922

1,490,797

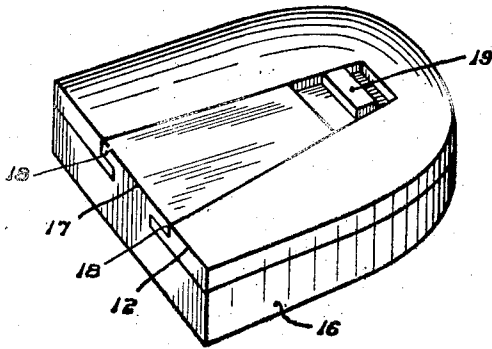


Fig. 1.

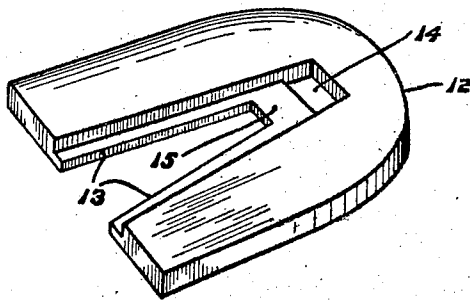


Fig. 2.

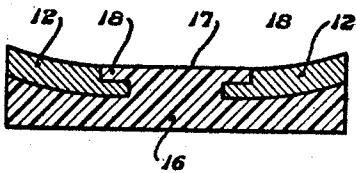


Fig. 3.

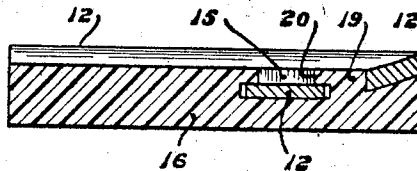


Fig. 4.

Elmer W. Borger.

INVENTOR

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WITNESS:

UNITED STATES PATENT OFFICE.

ELMER W. BORGER, OF PALMERTON, PENNSYLVANIA.

RUBBER HEEL.

Application filed August 7, 1922. Serial No. 580,140.

To all whom it may concern:

Be it known that I, ELMER W. BORGER, a citizen of the United States, residing at Palmerton, in the county of Carbon and State of Pennsylvania, have invented new and useful Improvements in Rubber Heels, of which the following is a specification.

This invention relates to heels and particularly to attaching means for rubber heels and the like, and the principal object of the invention is to provide a device of this nature in which the rubber heel may be readily associated with the leather portion of the heel without the use of nails, pegs, pins or glue.

Another object is to produce a device of this nature which may be readily attached to or removed from the leather heel at the will of the user.

Another object is to provide a device of this nature which should be simple of construction, cheap to manufacture, and highly efficient for the purpose for which it is designed.

With these and other objects in view, the invention resides in certain novel construction, and combination and arrangement of parts, the essential features of which are hereinafter fully described, are particularly pointed out in the appended claim and are illustrated in the accompanying drawing, in which:—

Figure 1 is a perspective view of my improved rubber heel.

Figure 2 is a similar view of the leather lift for holding the rubber heel.

Figure 3 is a vertical sectional view of a shoe heel provided with my improvements; and,

Figure 4 is a vertical sectional view taken at right angles to Figure 3.

Like characters of reference refer to like parts in all the views.

Referring to the drawing in detail, the final leather lift 12 of any approved shoe heel construction is provided centrally with a V-shaped slot 13 extending from the front of the heel a considerable distance toward the rear. It is also formed with an aperture 14 in rear or apex of the V-shaped slot 13. The upper face of the lift is formed with a counter-sunk dove-tailed portion 15 as clearly shown in Figure 2.

The rubber heel is indicated generally at 16 and is provided at its forward end with a tenon 17 having lateral flanges 18. The tenon 17 is of the proper size and shape to exactly fit in the V-shaped groove 13 and the flanges 18 mate with the counter-sunk portion 15. A lug 19 in rear of the tenon 17 is adapted to enter the notch or aperture 14 and is provided with an over-hanging flange 20, to enter the counter-sink 15 and lock the heel in position.

The construction and operation of the heel is readily understandable from the above description and the accompanying drawings, it being understood that when the heel is to be removed, a severe strain placed on the rear portion of the rubber heel will disengage the lug 19 so that the heel can be slipped forwardly out of its mortise.

While I have described what I deem to be the most desirable embodiment of my invention, it is obvious that many of the details may be varied without in any way departing from the spirit of my invention and I therefore do not limit myself to the exact details of description herein set forth, nor to anything less than the whole of my invention illustrated only by the appended claim.

What I claim:—

A device of the class described comprising a permanent lift formed with a V-shaped slot opening out at the forward end of the lift, said lift further provided with a counter-sink in its inner surface about said slot, and with an aperture extending through the lift at the apex of the slot, a removable rubber heel, a tenon on said heel engaging in said slot and having flanges engaging in the counter-sink, said tenon and flanges being shorter than said counter-sink to position the rear end of the tenon and flanges forwardly of said aperture, a lug formed upon said rubber heel and extending through said aperture, and an overhanging transverse flange on said lug engaging over the portion of the lift between the aperture and V-shaped slot.

In testimony whereof I affix my signature.

ELMER W. BORGER.