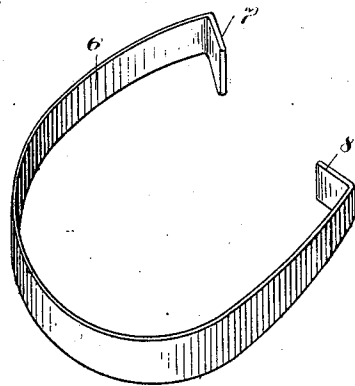
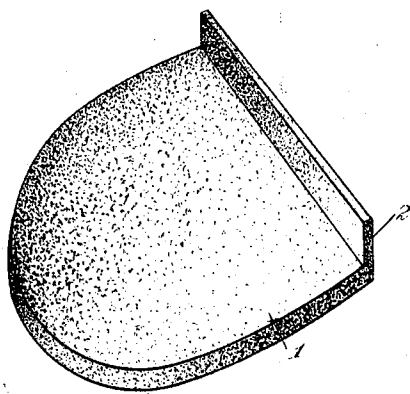
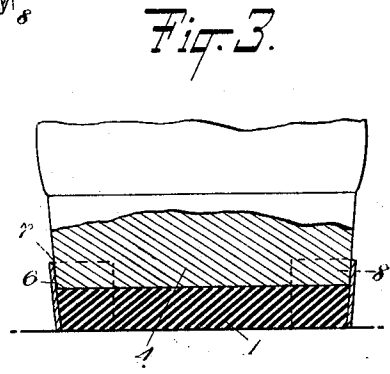
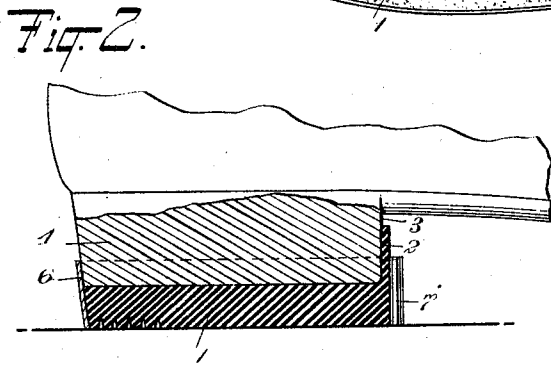
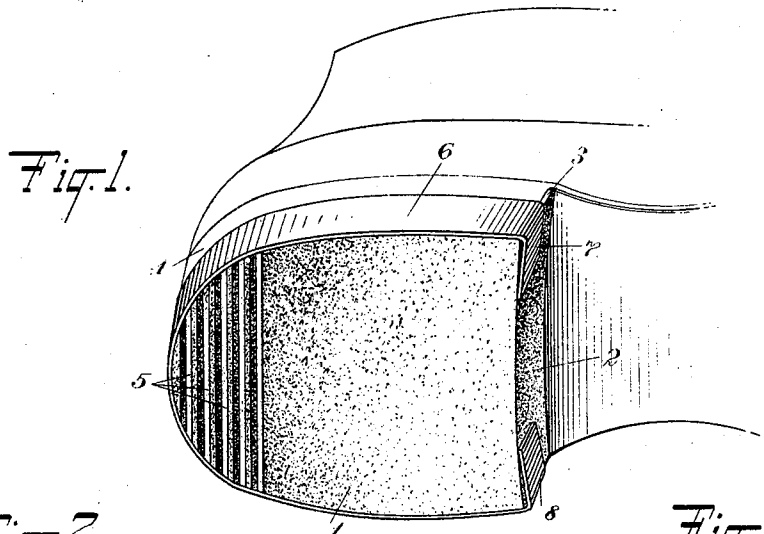


A. W. CARLSON.  
 DETACHABLE HEEL.  
 APPLICATION FILED MAR. 2, 1911.

1,000,894.

Patented Aug. 15, 1911.



WITNESSES *Fig. 4.*  
*George Dambay*  
*L. J. Gallagher*

*Fig. 5.* INVENTOR *Andrew W. Carlson*  
 BY *Mumford*  
 ATTORNEYS

# UNITED STATES PATENT OFFICE.

ANDREW W. CARLSON, OF SPOKANE, WASHINGTON.

## DETACHABLE HEEL.

1,000,894.

Specification of Letters Patent. Patented Aug. 15, 1911.

Application filed March 2, 1911. Serial No. 611,785.

To all whom it may concern:

Be it known that I, ANDREW W. CARLSON, a citizen of the United States, and a resident of Spokane, in the county of Spokane and State of Washington, have invented a new and Improved Detachable Heel, of which the following is a full, clear, and exact description.

My invention relates generally to rubber heels, and more specifically it comprehends a rubber heel of a peculiar conformation adapted for removable engagement with the heel of a boot or shoe.

The object of my invention is to provide a rubber heel together with means whereby it may be securely held in position on the heel of a boot or shoe, a rubber heel being provided with an extending engaging means whereby it may be positioned on the heel of the boot or shoe.

Another object of the invention is to provide a device of the class specified which shall consist of the fewest possible parts, and which shall be efficient in its use, and which may be produced at a low cost.

Reference is to be had to the accompanying drawings forming a part of this specification, in which like characters of reference denote corresponding parts in all the views, and in which—

Figure 1 is a perspective view showing the heel in position, together with the fastening means 4; Fig. 2 is a vertical sectional view of the rubber heel in position on the shoe; Fig. 3 is a sectional view extending transversely of the heel; Fig. 4 is a perspective showing the rubber heel; Fig. 5 is a perspective of the fastening means.

The heel is made of a piece of rubber 1 having the outline of the ordinary boot or shoe heel, being provided at one end with the up-standing integrally projecting part 2, adapted to engage the inner portion 3 of a shoe heel 4. The lower surface of the rubber heel is preferably provided with a series of corrugations 5, whereby slipping may be prevented when the device is in use.

The fastening means comprises a bent member 6 having inwardly extending por-

tions 7 and 8, this member being formed of resilient metal.

Referring particularly to Figs. 1 and 2, the rubber heel is placed in position by bringing the up-standing portion 2 thereon snugly against the inner portion 3 of the boot heel and then passing the fastening member 6 around the rubber heel and a portion of the shoe heel, the inwardly extending portions 7 and 8 firmly engaging the projecting portion 2 of the rubber heel whereby this heel will be firmly held in position. The member 6, by reason of its resiliency, will firmly engage the boot heel and also the rubber heel and movement of the one with respect to the other is thereby prevented. The lower edge of this fastening member may lie in the same plane as the lower face of the rubber heel, as shown in Fig. 2, or it may be placed farther up on the heel thereby leaving an exposed portion of the rubber between the ground and the lower edge of the fastening member.

My device is particularly adaptable for use in those cases where a person may desire the advantages of a rubber heel at some time during the day and may desire to remove the rubber heel at a later time.

It is obvious that the rubber heel may be made in various sizes and various shapes to fit different shoes or boots and a number of the heels may be sold separately and apart from the fastening members so that a worn heel may be replaced by a new one.

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

A detachable rubber heel for engagement with a boot or shoe, comprising a rubber heel portion having a part integral therewith which part projects normally therefrom and at one end thereto, the said projecting part being adapted for engagement against the inside of a boot or shoe heel, together with a fastening member made of a single strip of metal of resilient formation and provided with inturned ends, the said inturned ends being adapted for engagement with the end portion of the heel which is

provided with the projecting part, the major  
 portion of the said fastening member being  
 adapted for engagement with the rubber  
 heel and the heel of the boot or shoe whereby  
 5 the rubber heel is firmly held in position  
 thereon.

In testimony whereof I have signed my

name to this specification in the presence of  
 two subscribing witnesses.

ANDREW W. CARLSON.

Witnesses:

LOUIS ERICKSON,  
 ERICK CARLSON.