

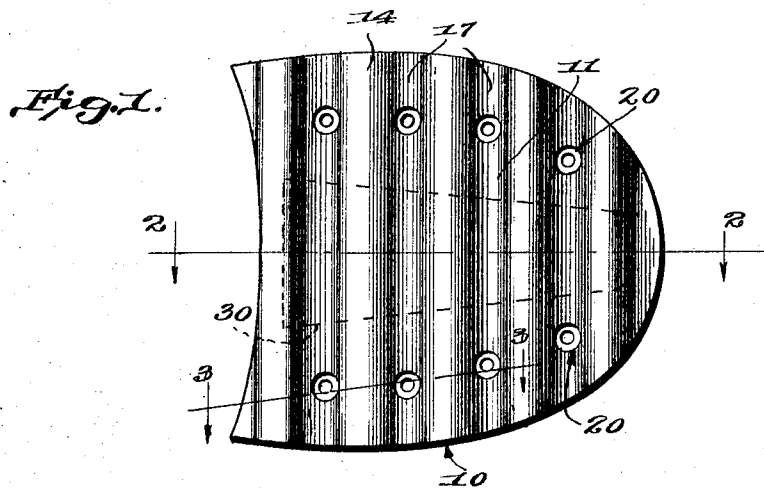
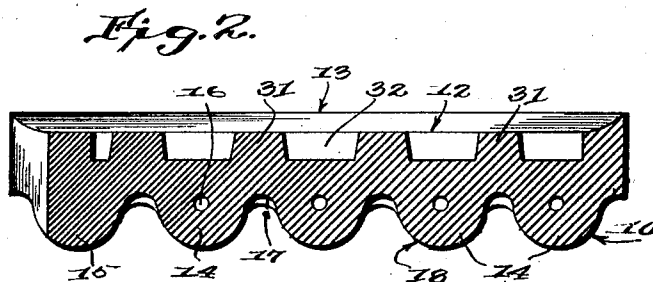
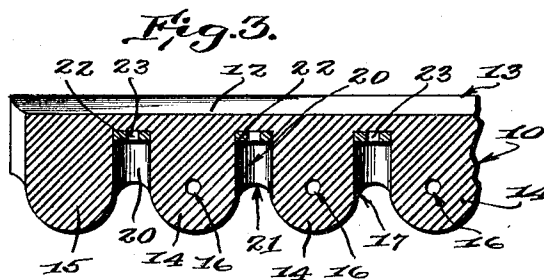
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RUBBER HEEL

Filed March 27, 1929



WITNESSES

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RUBBER HEEL

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This invention relates to rubber heels.

An object of the invention is the provision of a heel formed of compressible or elastic material, having an outer face formed of a plurality of ribs, and grooves spacing the ribs from each other with passages extending lengthwise entirely through the ribs, the body being provided with sockets opening into the grooves between the ribs, and terminating adjacent the inner face for the reception of means for securing the heel to the bottom of a shoe.

A further object of the invention is the provision of a heel formed of compressible or elastic material and provided with ribs at the external face, the inner face being of a shallow cupped formation, thereby affording a suction effect when the heel is secured to the bottom of a shoe for aiding in maintaining the heel in position, the inner face also having an elongated recess extending transversely of the ribs for aiding in furnishing a cushioning effect.

This invention will be best understood from a consideration of the following detailed description, in view of the accompanying drawing forming a part of the specification; nevertheless it is to be understood that the invention is not confined to the disclosure, being susceptible of such changes and modifications which shall define no material departure from the salient features of the invention as expressed in the appended claim.

In the drawing:

Figure 1 is a bottom plan view of a heel constructed according to the principles of my invention.

Figure 2 is a longitudinal vertical section taken along the line 2—2 of Figure 1.

Figure 3 is a vertical section taken along the line 3—3 of Figure 1.

Referring more particularly to the drawing, 10 designates a heel comprising a body member formed of some compressible or elastic material, such as rubber, and has an outer corrugated surface 11, and an inner cup-shaped surface 12. The cup-shaped formation is relatively shallow, so that when the heel is secured to the bottom portion of

a shoe in the usual position, the knife edge 13, at the periphery of the heel, will be forced into flat contact with the bottom portion of the shoe, in order to more securely or firmly attach the inner face of the heel to the shoe.

The outer face is corrugated or in other words, is provided with a plurality of ribs 14 and 15. The ribs designated by the numeral 14 have longitudinal passages 16 extending entirely through the ribs and transversely of the heel. Between the ribs are provided grooves 17, and the outer surfaces of the ribs, as shown at 18, are rounded so that the grooves have a flaring mouth.

The body portion of the heel has a plurality of pockets 20, which open at 21 at their outer surfaces into the grooves 17, and terminate adjacent the inner face 12 of the heel. A metal disk 22 is located at the inner end of the pocket, and has a passage 23 through which a nail or other form of securing means may be forced for securing the heel to a shoe.

The inner face is provided with a longitudinal recess 30 extending transversely of the ribs 14, and ribs 31 extend transversely through the pocket and terminate adjacent the outer surface 12. These ribs act as a reinforcement when the heel is in operative relation on a shoe, and are adapted to engage the bottom portion of the heel which is made up on the shoe, and to which the rubber heel 10 is attached.

When the heel is in operation, the ribs 14, 15 contact with the pavement, and they are compressed by the weight of the person, and the air passages 16 and the pockets 32, which are formed by the ribs 31 dividing the large recess 30 into a plurality of sections, also aid in providing additional resiliency when the heel is in use.

The cupping of the inner surface 12 of the heel and providing the raised sharp edge 13 provides for a neat sealing or contacting surface between the rubber heel and the bottom of the shoe.

Having thus fully described the invention, what is claimed is:

A heel formed of compressible material

and comprising a body member having one face provided with transverse ribs and complementary grooves, said ribs being substantially rounded in cross section and provided in their interior with air spaces, the other
5 face having a channel extending transversely of the ribs, said body having sockets opening into the grooves and terminating adjacent the inner surface to provide recesses
10 for the reception of means for attaching the body to the bottom portion of a shoe, the widths of the grooves being relatively less than the width of the ribs so that the rounded surfaces of the ribs present a relatively large wearing surface.

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