Nov. 9, 1926. 1,605,947

H. HEADY

SHOE

Filed Sept. 29, 1925

Fig. 1.

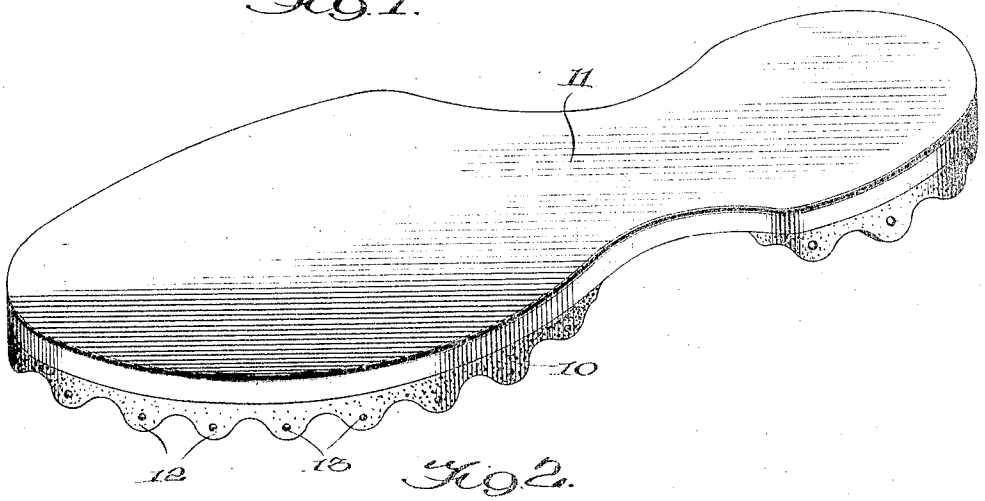


Fig. 2.

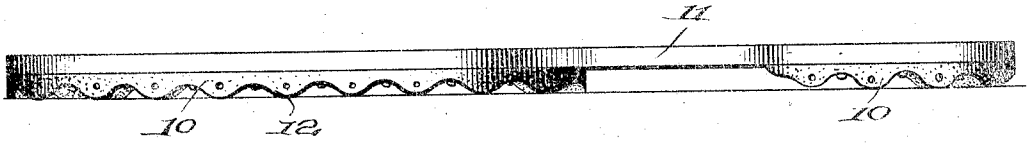
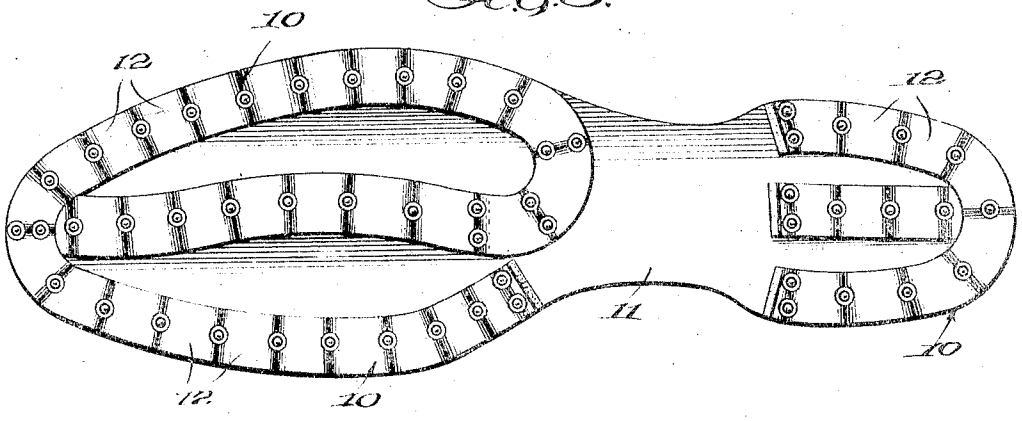


Fig. 3.



WITNESSES

George A. Myers

INVENTOR

HARRY HEADY,

BY Munn & Co

ATTORNEYS

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HARRY HEADY, OF LOS ANGELES, CALIFORNIA.

SHOE.

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My present invention relates generally to shoes for ordinary wear, and more particularly to means applicable thereto adapted to form an effective cushion and also function as an anti-skid or non-slipping device.

It is a well known fact that those whose occupation makes it necessary for them to stand or walk upon cement floors or pavements, or in fact other hard floors or pavements, are subject to the disadvantage of tired, aching, burning and sore feet, and it is for the purpose of relieving such disadvantages that my invention proposes a cushion device which may be so applied to the shoes as to constitute an effective cushion and leave substantial air spaces between portions of the cushion, the device when so applied also functioning to avoid danger of slipping.

More especially, my invention provides a device of the present character in the form of a strip, more especially a continuous strip, desired lengths of which may be cut and readily applied to the bottom of a shoe, irrespective of the shape and size of the shoe, so that no fitting is necessary except simply a contour, and no waste is required in the application of the device to a shoe.

My invention proposes a device of the present character which is not only effective and efficient, but is at the same time convenient and inexpensive.

In the accompanying drawing which illustrates my present invention and forms a part of this specification,

Figure 1 is a perspective view showing a shoe sole provided with my improvements,

Figure 2 is a side or edge view thereof, and,

Figure 3 is a bottom plan view.

Referring now to these figures, my invention proposes a non-slipping device for application to street shoes and the like consisting of a continuous strip 10 of a relatively soft pliable and elastic material such as rubber or rubber composition, the strip having one flat face throughout for application to the surface of a shoe sole and the like 11, and having its opposite face provided therealong with transverse corrugations 12, and also provided with a transverse opening 13 through each corrugation.

Being in a continuous strip, the product of my invention may be carried in stock in rolls without regard to size and without regard to the particular manner in which it is arranged upon a shoe.

In Figure 3 I have shown an arrangement where a section of the strip as proposed by my invention is extended around the peripheral portion of the ball of the shoe sole, with a terminal portion extending centrally and longitudinally of the sole, a second and third strip being arranged somewhat similarly upon the heel section of the sole. It is obvious, however, that various other arrangements may be resorted to and that my invention by virtue of its narrow elongated form and its pliable elastic material admits of a great number of different arrangements, depending upon either the character and use of a shoe or upon the particular desires of the user.

In securing this strip as proposed by my invention, it is obviously possible to cement the same to the shoe sole or secure it in place by the ordinary or special fasteners which latter when utilized will be employed in the grooves or valleys between the corrugations so that the heads of such fasteners will not come in contact with the ground.

The corrugations will in practice be rounded as shown, and so spaced apart as to receive the fasteners, indicated at 14 in the drawing, within the valleys between the corrugations leaving the corrugations free to yield especially in view of the transverse openings 13 through these corrugations, the object of which openings is to render the corrugations particularly elastic and springy.

The corrugated strip of my invention forms an effective, and at the same time simple, economical means of preventing slipping, and avoids the disadvantages of known cushioning and non-slipping devices which require the carrying in stock of a plurality of different sizes and shapes. It is preferable that the device in practice be made of readily pliable or what is known as "live" rubber, and it is also preferable that each corrugation have one of the beforementioned openings 13, which materially adds to the elasticity and particularly the compression possibilities of the corrugations themselves.

I claim:—

1. A continuous tread strip for shoes formed of pliable material having one flat face and one transversely corrugated face,

the corrugations being rounded and spaced apart forming valleys between them adaptable to the reception of fastening members.

2. A continuous tread strip for shoes formed of pliable material having one flat face and one transversely corrugated face, the corrugations being rounded and spaced apart forming valleys between them adaptable to the reception of fastening members, and said corrugations being also provided with transverse openings extending through the corrugations.

HARRY HEADY.