April 3, 1951 A. A. CARABATSOS 2,547,812

ANTISLIPPING DEVICE

Filed March 22, 1950

Fig. 1.

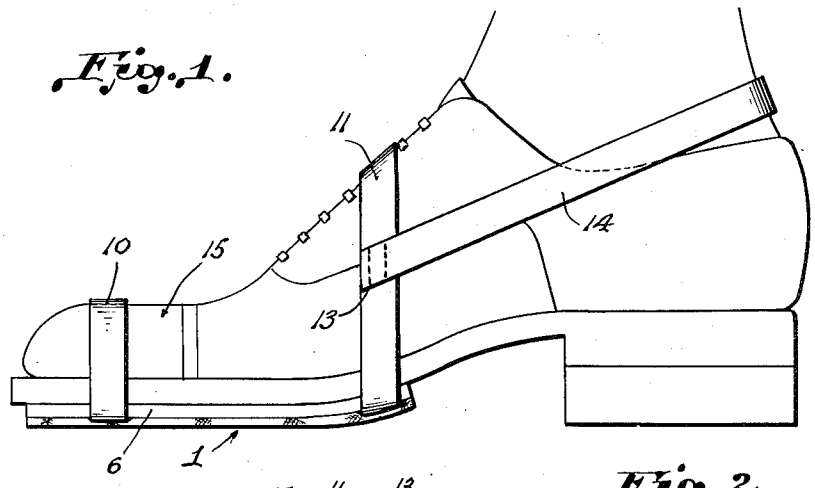


Fig. 2.

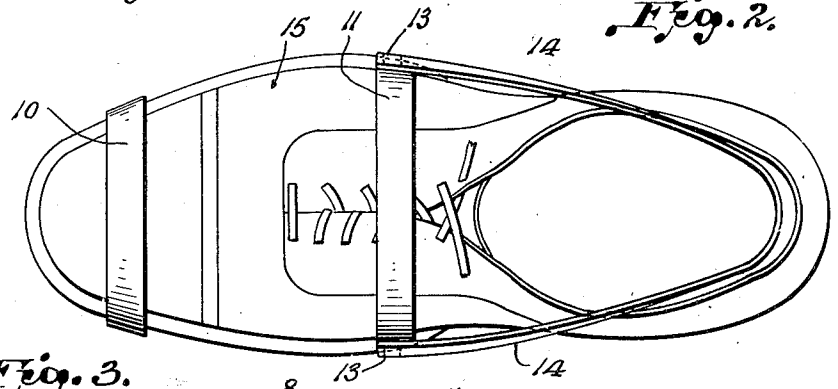


Fig. 3.

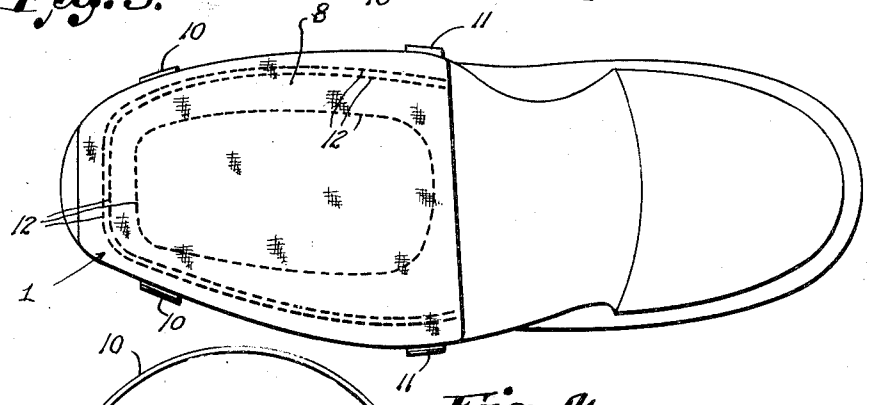
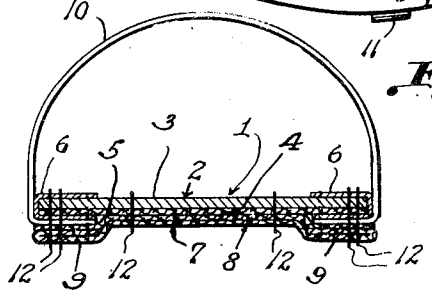


Fig. 4.



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ANTISLIPPING DEVICE

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2 Claims. (Cl. 36—7.7)

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This invention relates to improvements in anti-slipping devices.

The principal object of the present invention is the provision of an anti-slipping device which is of simple construction and adaptable to be readily positioned on and removed from a shoe.

A further object is to provide an anti-slipping device constructed from light weight and inexpensive materials so as to enable the device to be readily carried on the person of the wearer.

Another object is to provide an anti-slipping device which can be easily constructed from leather and canvas materials generally available in shoe repairing shops.

These and other objects and advantages will be apparent as the specification is considered with the accompanying drawings, wherein

Figure 1 is a side elevation of the invention as applied to the shoe and foot of the wearer;

Figure 2 is a top plan view thereof;

Figure 3 is a bottom plan view thereof; and

Figure 4 is a section through the front portion of the anti-slipping device.

Referring more particularly to the drawings, wherein similar reference characters designate like parts throughout the several views, numeral 1 indicates generally the anti-slipping portion of the present invention which is formed of a layer of leather 2 having a smooth or finished upper face 3 and an unfinished or generally roughened underside 4. The layer of leather is superposed on a layer of suitable fabric material 5, such as canvas, and the side marginal edges of the leather and canvas layers 2 and 5 are covered with strips of leather 6 folded thereover, as best shown in Figure 4. The composite layers of leather and canvas are then arranged on two bottom superposed layers of relatively heavy fabric material, such as canvas 7 and 8. The marginal side edges 9 of the lowermost layer of canvas 8 are folded over and underlie the marginal edges of the layer 7, so that, when the canvas and leather layers are stitched together adjacent their marginal edges, the side marginal edges will be reinforced and will be somewhat thicker than the center portion thereof.

A toe embracing elastic band 10 has its ends arranged between the undersides of the leather strips 6 and the upper face of the second canvas layer 8, adjacent the front end of the anti-slipping device. A second elastic band 11 is similarly arranged on the device, adjacent its rear end. With the ends of the bands so positioned, the layers of leather and canvas 2, 5, 7, 8 and 9, respectively, are suitably secured together and the

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bands secured thereto by rows of stitching or the like. Suitably stitched to the band 11, at points intermediate the ends, as at 13, is a rearwardly and slightly upwardly extending elongated elastic band 14.

It will thus be apparent that, when it is desired to assemble the anti-slipping devices on the shoes of the wearer, the shoe 15 will be inserted through the bend 11 and under the front band 10, so that the latter will embrace the toe portion and the band 11 will embrace the vamp of the shoe. The rearwardly extending band 14 is then lifted upwardly so that it will be fitted around the heel portion of the shoe, or the heel of the wearer, as shown in Figure 1. As illustrated in Figure 3, it will be noted that the various layers of leather and canvas materials, comprising each of the anti-slipping devices, are squared off at the front and rear ends and the side marginal edges generally conform to the shape or contour of both the left and right average shoe sole. Thus, when assembled on the feet of the wearer, the anti-slipping devices substantially cover the main sole areas of the shoes. The arrangement of the straps 10, 11 and 14 over the toe, vamp and heel sections of a shoe, assures of the anti-slipping devices being securely assembled and retained on the feet of the wearer.

When the devices are assembled on the wearer's feet, it will be understood that the bottom layer of canvas 8 will be in direct contact with the slippery ground surface, such as ice. As canvas is usually provided with cross ribs or corrugations, it will be seen that the same will provide an effective anti-slipping surface which will reduce slippage to a minimum. By arranging the leather layer on top of the device, there will be a leather to leather contact between the device and shoe sole which will serve to maintain the device substantially rigid thereon so that there will be a minimum of slippage therebetween. The fact that the thickness of the side marginal edges of the device has been increased, by the leather strips and the folding over of the marginal edges of the bottom layer of canvas, wear at these areas will be compensated for, which will insure of the entire underside of the canvas making flat contact with the ground surface thereby increasing the anti-slippage properties of the device.

Due to the relatively small sizes of the anti-slipping devices, it will be understood that the same may be readily and unobtrusively carried on the wearer's person or in a handbag.

While I have illustrated and described a pre-

ferred embodiment of my anti-slipping device, it will be understood that various changes and improvements may be made without departing from the scope and spirit of the appended claims.

Having thus described my invention, what I claim is:

1. An anti-slipping device comprising a top layer of leather, a layer of fabric arranged therebeneath, strips of leather folded over the marginal edges of said layers and secured thereto, a layer of fabric arranged under said first layer of fabric, a bottom layer of fabric arranged under said second layer of fabric and having its marginal edges folded thereover and secured thereto, said layers of leather and fabric being secured together, a band secured to said device adjacent the front end thereof for receiving the toe of a shoe, a second band secured to said device adjacent its other end for receiving the vamp of a shoe, and a band secured to said second band and extending rearwardly thereof for engaging with the heel of a shoe.

2. An anti-slipping device comprising a top layer of leather, a layer of canvas arranged therebeneath, strips of leather folded inwardly over

the side marginal edges of said layers and secured thereto, said layers being squared at their front and rear ends and generally conforming in shape with the sole of a shoe, a layer of canvas arranged under said first layer of canvas, a bottom layer of canvas arranged under said second layer of canvas, the side marginal edges of said bottom layer being folded inwardly and thereover so as to underlie the side marginal edges of said second layer of canvas whereby said layers conform in shape, a flexible band having its ends interposed between the underside of said leather strips and the second layer of canvas and being secured thereto adjacent the front end of the device for receiving the toe of a shoe, a second flexible band having its ends similarly interposed between said strips and canvas layer and being secured thereto adjacent the rear end of said device for receiving the vamp of a shoe, and an elongated flexible band having its ends secured to said second band whereby its closed end engages the heel of a shoe, and said layers being secured together by stitching.

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No references cited.