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L. DRESCHLER
WATERPROOF FOOTWEAR
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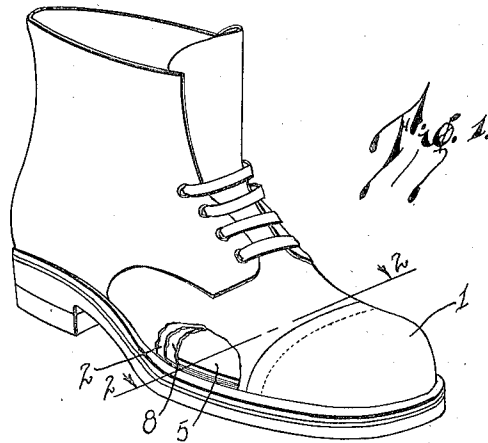
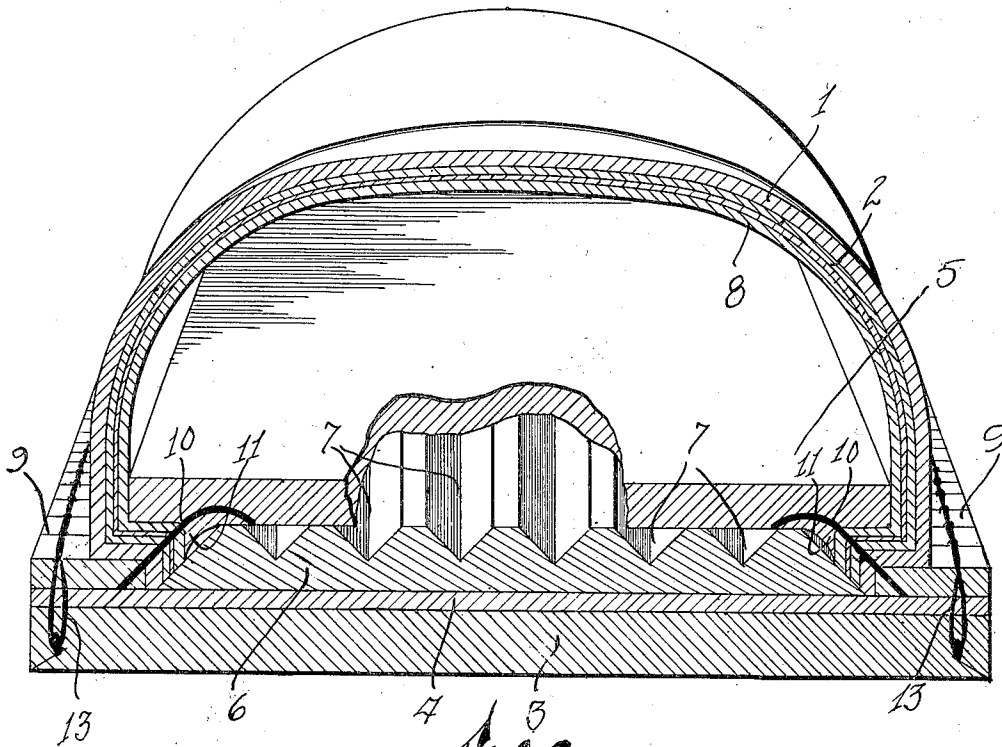


Fig. 2

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WATERPROOF FOOTWEAR.

Application filed May 26, 1924. Serial No. 716,038.

To all whom it may concern:

Be it known that I, LOUIS DRESCHLER, a citizen of Austria, and a resident of St. Louis, Missouri, have invented a new and useful Improvement in Waterproof Footwear, of which the following is a full, clear, and exact description.

My invention relates to waterproof footwear, such as shoes, boots, and the like, and it consists in the combinations, constructions and arrangements herein described and claimed.

An object of my invention is to provide waterproof footwear which, while being waterproof, has the appearance of the ordinary shoe or boot, as distinguished from those boots or shoes which are treated with preparations on their exterior, and which bear evidence of having been so treated.

A further object of my invention is to provide a waterproof shoe or the like, which, beside being waterproof, will wear longer, because of the fact that the leather will not dry out as fast as the leather of shoes made in the ordinary way.

A further object of my invention is to provide a waterproof shoe or boot of comparatively simple construction.

Other objects and advantages will appear in the following specification, and the novel features of the invention will be particularly pointed out in the appended claims.

My invention is illustrated in the accompanying drawings, forming part of this application, in which

Figure 1 is a perspective view of a shoe constructed according to my invention, a portion being cut away to show the interior construction, and

Figure 2 is an enlarged section substantially on the line 2—2 of Figure 1.

In carrying out my invention, I make use of leather for the upper, the inner sole and the outer sole. The leather for the upper, however, is united with a rubber layer. Thus in Figure 2, 1 indicates the leather portion of the upper and 2 a rubber layer which is secured to the leather one preferably by cementing the layer to the leather. The outer sole 3 is similarly provided with a rubber lining 4, which is cemented to the leather portion in a similar manner. It will be understood, of course, that the joining of the leather to the rubber is done in sheets, so that the material from which the upper is made, as well as the material from

which the outer sole is made, is, in fact, a sheet comprising two layers, one of leather and the other of rubber.

As will be seen from Figure 2, an insole 5 is provided, this insole being preferably leather. Between the layer 4 of the outer sole and the inner sole 5 is a rubber cushion 6, having a series of V-shaped grooves 7 therein which constitute air spaces. The upper has the usual fabric lining 8, such as canvas or the like.

A welt 9 is secured to the inner sole by means of threads 10 which pass through the edges of the upper and through the lower portion of the inner sole. The latter has a portion 11 which is extended so as to receive the threads 10. The outer sole is secured to the welt 9 by a stitching 13. The upper layer of the outer sole is preferably cemented to the bottom of the welt and the intermediate cushion 6, although if desired it may be left uncemented, but may be secured, as stated, by the stitching alone.

From the foregoing description of the various parts of the device, the operation thereof may be readily understood. An examination of Figure 2 will show that there is very little, if any, chance for water to find its way into the shoe. The fact that the upper and outer sole are lined with material through which water cannot permeate gives this shoe its main waterproof quality. The construction, however, is such that the rubber portion 2 of the upper and the rubber cushion 6 are brought together at a point where their combined effect is to tend to resist any passage of water, as, for instance, along the edges of the upper where the latter are held between the welt and the inner sole.

While I have disclosed my preferred form of manufacture of waterproof footwear, it will be obvious that other forms might be made, without departing from the spirit of the invention.

I claim:

1. A waterproof shoe or the like comprising an upper, an outer sole, said upper and said outer sole having outer portions of leather and inner rubber linings, an inner sole, a welt, means for securing said welt to said inner sole and said upper, means for securing said welt to said outer sole, and an intermediate rubber cushion between said inner sole and said outer sole, said rubber cushion having air spaces adjacent said inner sole, and the rubber portion of said up-

per being held in contact with said rubber cushion.

2. A waterproof shoe or the like comprising an upper having an outer portion of leather and an inner rubber lining, a leather
6 outer sole having an inner rubber lining, a rubber cushion disposed on said outer sole,

a welt, an inner sole, and means for securing said welt, said inner sole, and said upper together, the rubber portion of said upper 10 being held by said securing means in contact with said rubber cushion.

LOUIS DRESCHLER.