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K. DRESSEL

BOOT AND LIKE CUSHIONING DEVICE

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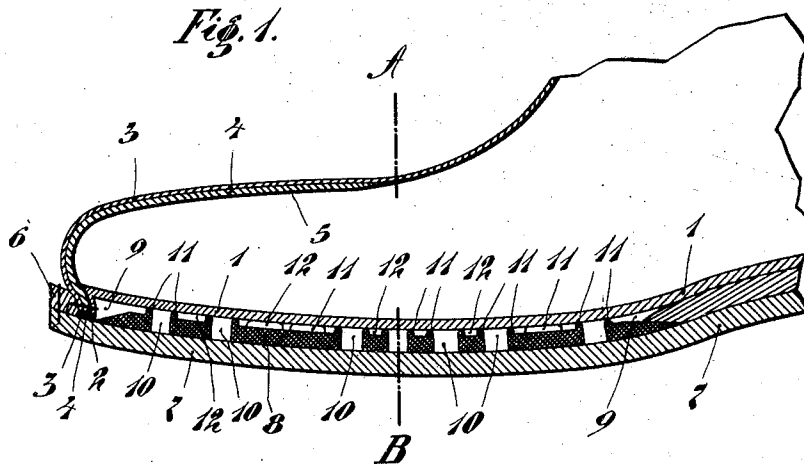


Fig. 2.

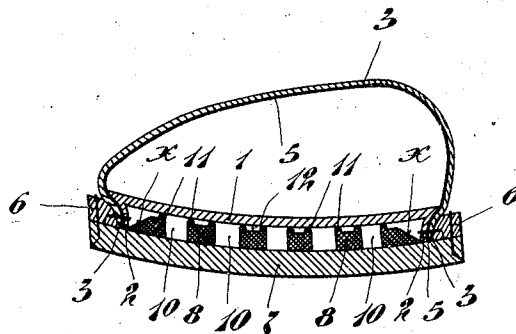
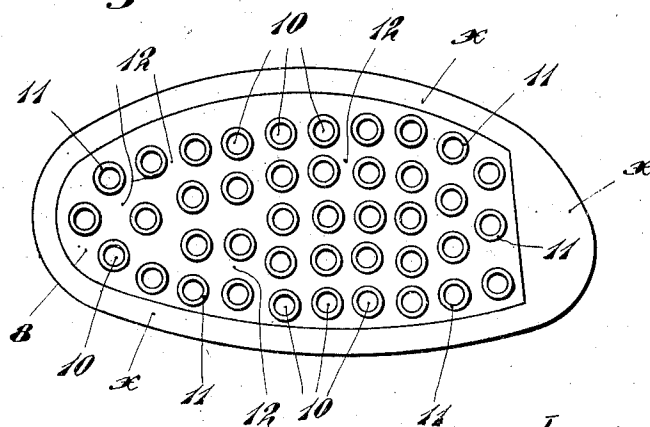


Fig. 3.



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BOOT AND LIKE CUSHIONING DEVICE.

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The space between the insole and sole of boots and the like is usually filled up with material such as cork or the like, the application of which is troublesome and time
5 wasting, while the filler is liable to change its shape and that of the boot under the influence of the heat of the foot.

The object of the present invention is to produce a filler which is free from the
10 above disadvantages and which has the additional property of rendering the boot elastic, comfortable and more durable, and the invention consists in the provision of a perforated pad of soft rubber having depres-
15 sions which form a narrow, raised ridge around each perforation, the pad being provided with bevelled edges so that it can be readily fitted into the boot like the ordinary filler and with the ridges turned to-
20 wards the insole.

Fig. 1 of the accompanying drawings represents a longitudinal section of the improved boot,

Fig. 2, a cross-section on the line A—B of
25 Fig. 1, and

Fig. 3, a plan of the filler.

The insole 1 of the boot has a down-turned edge 2, with which it is connected to the upper 3, to the toe stiffener 4, to the lining 5
30 and to the edging frame 6 in the usual manner. In the space formed between the insole, its down-turned edges 2 and the outer sole 7, a filler 8 is introduced which is composed of a pad made of soft rubber
35 and shaped in conformity with the sole. The pad is formed with a plurality of per-

forations 10 the edges 11 of which are raised so as to form depressions 12 between them. These depressions are turned towards the insole so as to enable the latter to present
40 to the foot a highly elastic tread.

The edges *a* of the filler are bevelled off for connection to the soles and slope away from the ridged, elastic portion so as to leave the latter in a projecting position in the
45 middle of the filler. By this arrangement the elasticity of the filler will be utilized to its full advantage.

I am aware that ridged, elastic pads have already been made use of as ventilating ele-
50 ments in boots and the like and also that a pad having perforations and ridges arranged in the same manner as in my filler, has been designed for use, with downwardly directed ridges, as an inside, water-proof,
55 elastic sole, and I wish it to be understood that my claim is only confined to the use of a pad of this type in place of the ordinary filler and in place of a known type of plain, perforated rubber filler.
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I claim:

In boots and the like, the combination with an outer sole and an insole, of a filler composed of a perforated pad of soft rubber provided with depressions which form
65 a narrow, raised ridge around each perforation, the edge of the pad being bevelled off so as to slope away from said ridged portion, said filling pad being arranged in the space between the soles with the ridges
70 turned towards the insole.

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