

June 26, 1928.

1,675,256

A. B. CROSTHWAIT

SHOE HEEL

Filed July 13, 1927

Fig. 1.

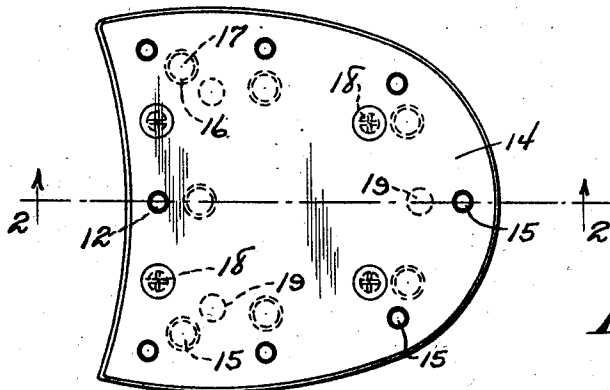


Fig. 3.

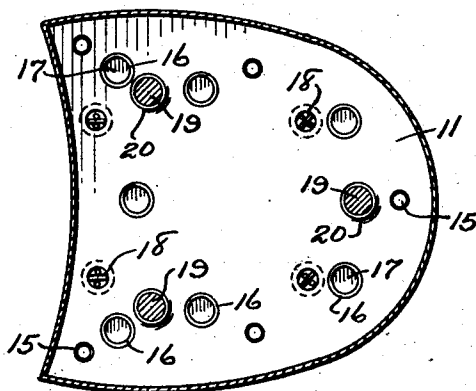
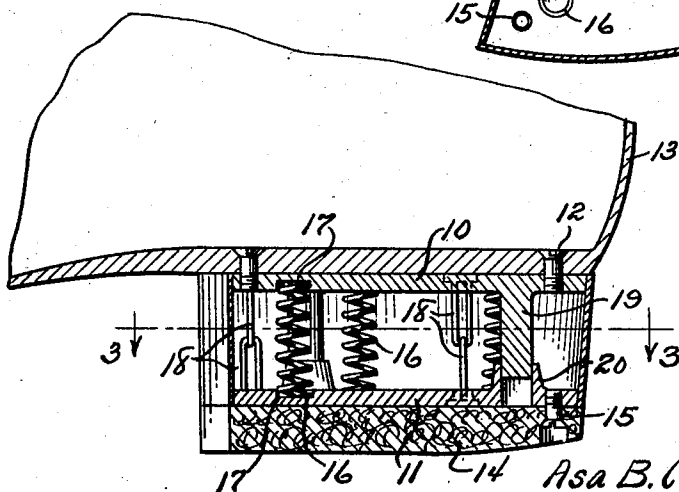


Fig. 2.



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UNITED STATES PATENT OFFICE.

ASA B. CROSTHWAIT, OF SAN ANTONIO, TEXAS, ASSIGNOR OF FORTY PER CENT TO
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SHOE HEEL.

Application filed July 13, 1927. Serial No. 205,461.

It is the purpose of this invention to provide a heel for shoes or the like, constructed to afford a maximum degree of efficiency, the invention residing in the construction, combination and arrangement of parts as claimed.

The nature and advantages of the invention will be better understood when the following detailed description is read in connection with the accompanying drawing, and wherein:

Figure 1 is a plan view of the heel.

Figure 2 is a sectional view on the line 2—2 of Figure 1.

Figure 3 is a sectional view on line 3—3 of Figure 2.

The heel forming the subject matter of the present invention comprises spaced plates 10 and 11 respectively, which may be constructed from wood or any other suitable material, the plate 10 being secured by suitable fastening elements 12 to the shoe proper indicated at 13. The plate 11 is arranged next to the ground, and has secured thereto a ground engaging member 14 of rubber, leather or any other suitable material, the latter being attached to the plate 11 by suitable fastening elements 15 countersunk as illustrated in Figure 2. Interposed between the plates 10 and 11 are coil springs 16 which have their ends received in recesses 17 formed in said plates, the springs holding the plates properly spaced apart. These springs cooperate with the ground engaging member 14 to afford the heel maximum degree of resiliency or cushioning effect. Each of the plates 10 and 11 respectively is provided with a link 18, and these links are associated to permit of sliding movement of the plate 11 and at the same time limit the outward movement of the ground engaging member

14 as will be readily understood. In order to guide the plate 11 in its movement toward and away from the plate 10, the latter is provided with a plurality of depending pins 19 which are slidably received in sockets or hollow bosses 20 rising from the plate 11. The entire heel structure is surrounded and covered by a piece of rubber, leather or any other suitable material which may vary in color, but which also protects the interior of the heel from water, dirt or other foreign matter. The heel in its entirety may of course vary in size and be used with either men's or ladies' shoes.

While it is believed that from the foregoing description, the nature and advantages of the invention will be readily apparent, I desire to have it known that I do not limit myself to what is herein shown and described, and that such changes may be resorted to when desired as fall within the scope of what is claimed.

Having thus described the invention, I claim:—

A heel for shoes comprising spaced upper and lower plates of substantially uniform dimensions, means for securing the upper plate to the heel portion of the shoe, coil springs interposed between the plates, whereby the lower plate is permitted to yield toward and away from the upper plate, links carried by the respective plates and having interfitting association whereby the lower plate is limited in its movement away from the upper plate, pins depending from the upper plate and equidistantly spaced apart, and a hollow boss carried by the lower plate for each of said pins, and slidably receiving the latter to guide the lower plate in its movements.

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