Oct. 7, 1941. D. PICIULO 2,258,419

RUBBER HEEL

Filed Dec. 20, 1938

Fig. 1.

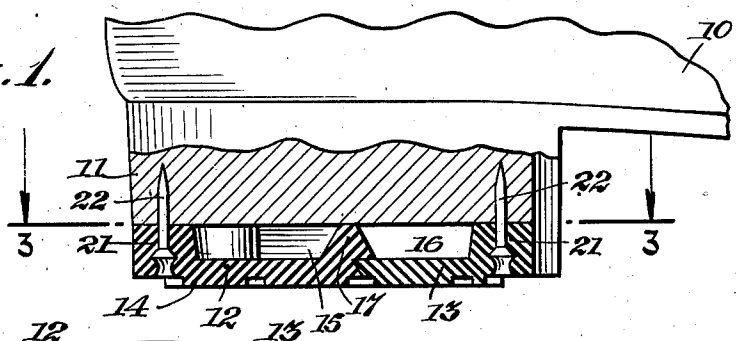


Fig. 2.

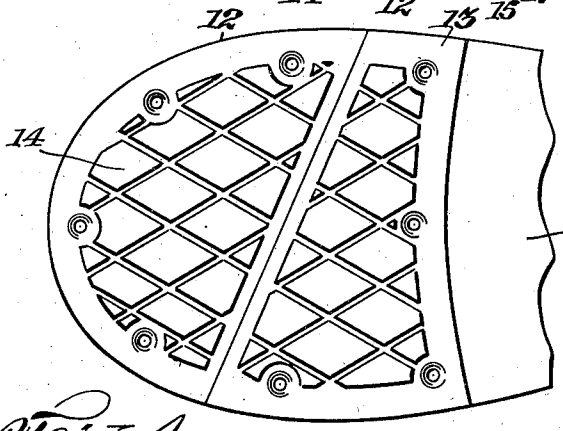


Fig. 4.

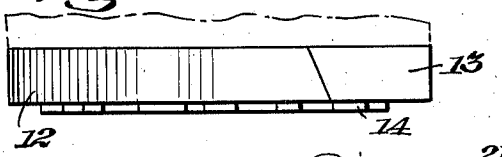


Fig. 3.

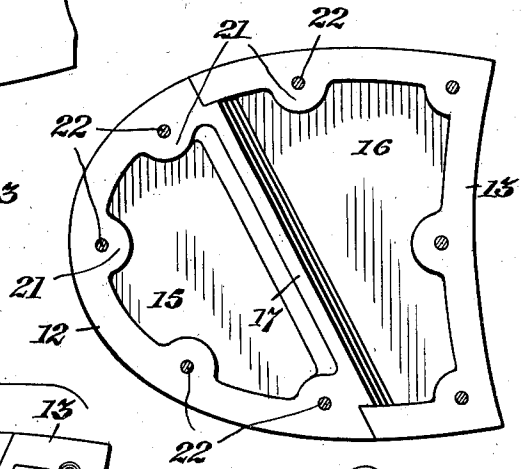
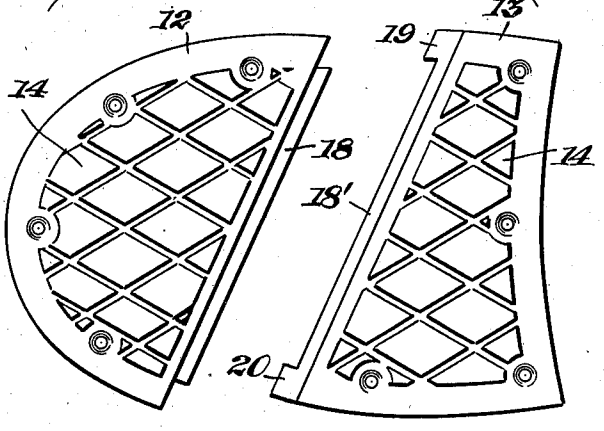


Fig. 5.



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RUBBER HEEL

Donato Piciulo, Jackson Heights, N. Y.

Application December 20, 1938, Serial No. 246,764

2 Claims. (Cl. 36—35)

This invention relates to new and useful improvements in rubber heels and particularly to improvements in heels which are made in sections certain of which can be replaced in use.

The main object of the invention is to provide a simple and efficient heel made in sections so that when one section wears out it can readily be replaced to prolong the life of the heel as a whole.

A further object is to provide a heel which has greater resiliency and cushioning effect.

A still further object is to provide a heel which is cheap to manufacture and yet strong and durable in use.

Further and more specific objects, features, and advantages will more clearly appear from a consideration of the specification hereinafter when taken in connection with the accompanying drawing which form part of the specification and which illustrate a present preferred form of the invention.

The preferred form of the invention is shown in the drawing of which

Fig. 1 is a cross section of the heel applied to a shoe;

Fig. 2 is an inverted plan view of the heel attached to a shoe;

Fig. 3 is a plan view of the heel itself;

Fig. 4 is a side elevation of the heel applied to a shoe; and,

Fig. 5 is a separated plan view of the heel sections.

In the drawing which illustrates a preferred form of the invention, the heel is adapted to be attached to a shoe 10 and to the leather heel section 11 thereof. This rubber heel attachment is comprised of the sections 12 and 13. Each of these sections is provided with a dependent tread portion 14 extending slightly below the main bottom portion thereof. The heel sections are also provided with cushion or suction cavities 15 and 16. The one section 12 is provided with a transverse reinforcing rib 17. The section 12 is provided with a projecting flange 18 on rib 17 adapted to interlock with a shoulder 18' of the section 13. The section 13 is also provided with projections 19 and 20 adapted to interlock with corresponding portions of the section 12.

The sections 12 and 13 are provided with lugs 21 into and through which pins or nails 21 are projected to fasten or ping the rubber heel to the leather heel 11 of the shoe.

The invention as thus briefly described comprises therefore two sections provided with cushioning cavities and with interlocking tongues and flanges which enable them to be properly related at all times. The cushioning cavities provide a resilient tread to the heel which gives the heel a soft tread. Whenever the outer section is unduly worn it can be removed and a new section replaced without any trouble or extra expense since it is the purpose to supply two outer replaceable sections with each unit supplied to the trade.

While the invention has been described in detail and with respect to a present preferred form thereof it is not to be limited to such details and forms since many changes and modifications may be made in the invention without departing from the spirit and scope of the invention in its broadest aspects. Hence it is desired to cover any and all forms and modifications of the invention which may come within the language or scope of any one or more of the appended claims.

What I claim is:

1. A rubber heel comprising a pair of sections each provided with a cushioning cavity having a definite shape and area facing the heel of the shoe to which the heel is attached, a dependent projecting tread portion on the lower portion of each section disposed below the cavity and having substantially the same shape and area, an obliquely disposed rib along an edge of one of the sections situated above the lower portion and being in section in the form of a truncated triangle and forming a wall for said cavity, and an obliquely disposed tongue along an edge of the other section adapted to interlock with said rib above the lower portion to hold the sections together when fastened on the shoe heel.

2. A rubber heel comprising a pair of sections each provided with a cushioning cavity having a definite shape and area, a dependent projecting tread portion on the lower portion of each section disposed below the cavity and having substantially the same shape and area, a reinforcing rib on an edge of one section, the said rib being situated above the lower portion of said section and being in the shape of a truncated triangle in cross section, the narrow portion of said rib being adapted to bear against the undersurface of the shoe heel, and an obliquely disposed tongue on an edge of the other section adapted to interlock with the said rib along a portion of the base thereof to hold the sections together when fastened on the shoe heel.

DONATO PICIULO.