Sept. 20, 1927. 1,642,889

A. PERUGIA

SHOE HEEL

Filed Jan. 6, 1927

Fig. 1.

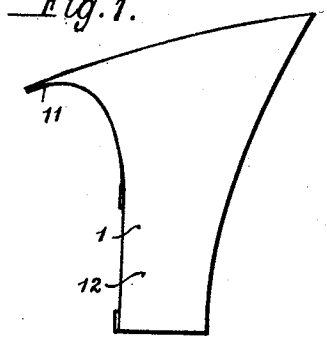


Fig. 3.

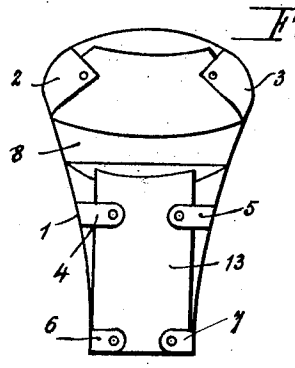


Fig. 2.

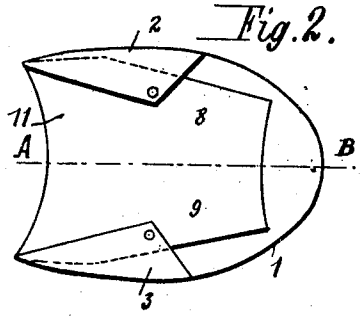


Fig. 4.

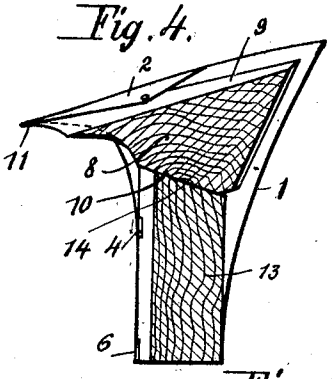


Fig. 5.

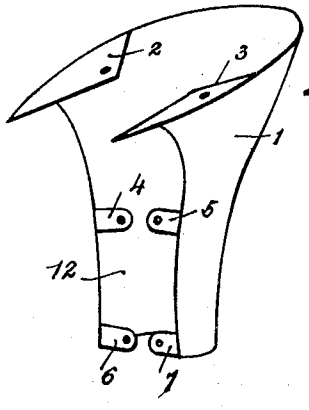
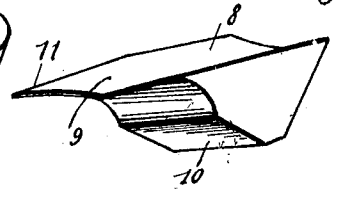


Fig. 6.



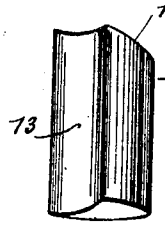


Fig. 7.

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UNITED STATES PATENT OFFICE.

ANDRÉ PERUGIA, OF PARIS, FRANCE.

SHOE HEEL.

Application filed January 6, 1927, Serial No. 159,396, and in France January 6, 1926.

My present invention relates to improvements in shoe heels, especially for ladies' shoes, of the type comprising two wedges, preferably of wood, one of which is disposed vertically and the other horizontally inside a metallic form or cover opening towards the front. One of these wedges, namely the horizontal one, serves to secure the heel to the shoe whilst the other, vertical wedge is adapted to receive the sole which is folded in front of it and the end of the shoe leather.

The improved heels according to my invention are chiefly characterized with reference to those known heretofore by the fact that the upper horizontally disposed wedge projects from the heel forwards with the object of providing a support for increasing the adherence between the heel and the shoe; on the other hand its lower part is chamfered at its rear whereby it is allowed to be securely wedged by the top of the lower vertical wedge which shows a corresponding shape.

I have shown on appended drawings, by way of example and in a diagrammatical manner a form of execution of my invention.

Fig. 1 is a lateral view thereof.

Fig. 2 is a plan view.

Fig. 3 is a front view of the heel.

Fig. 4 is a cross section of Fig. 2 taken along the line A. B.

Figs. 5, 6 and 7 are perspective views of the different parts constituting the heel.

According to my invention, the heel comprises an outer metal cover 1 made by stamping and provided with inwardly bent strips 2 and 3 at its top edge and with lugs 4, 5, 6 and 7 at its front edges.

These lugs and strips are nailed to the wedges described hereinbelow with the object of preventing the front edges of the cover from moving apart.

In this metal cover and towards the top thereof is disposed a substantially horizontal wooden wedge 8 the top incurved part 9 of which slides in the grooves formed between the strips 2, 3 and the cover 1; the lower part 10 of this wooden wedge 8 shows a rearwardly sloping chamber. The other sides of the wedge bear as tightly as possible against the inside of the top part of the cover 1; the incurved surface of the part 9 ends at its front with a yielding plate 11 which increases the adherence between the heel and the shoe by extending their contacting surface.

The lower part 12 of the cover 1 which appears like a semi-circular tube contains a second wooden wedge 13 the upper chamfered part 14 of which bears exactly against the chamfered part 10 of the upper wedge which it prevents thus from slipping forwardly.

The strips and lugs 2, 3, 4, 5, 6, 7 can be connected together by suitable binding means or be secured to the wedges 8, 13 as stated hereinabove by means of nails or any other suitable device.

The hollow spaces remaining between the wedges and the walls of the heel cover are filled with any suitable agglomerated material, preferably with a liquid into which the heel is steeped until the said spaces are filled. The liquid substance is then evaporated whereby the wedges and filling material make up a compact whole.

The heel when thus made up needs only to be secured to the shoe in the usual manner.

Evidently my invention may be used with all kinds of heels, the shape and sections of its components may be accordingly altered, and the number and position of the folded metal strips and lugs can also be varied according to desire.

I claim:

1. A shoe heel comprising a metal cover, a lower substantially vertical wedge disposed inside the lower part of the said cover, an upper substantially horizontal wedge disposed over the first wedge in the cover and cooperating with the latter to prevent relatively forward movement of said upper wedge, and a front projection on the second wedge adapted to support the shoe.

2. A shoe heel comprising a metal cover, a lower substantially vertical wedge disposed inside the lower part of the said cover, and showing a rearwardly sloped top surface, an upper substantially horizontal wedge the lower rearwardly inclined surface of which fits over the top surface of the first wedge, a front projection on the second wedge adapted to support the sole of the shoe, and a filling material cementing the wedges and the cover together.

Signed at Paris, Seine, France.

ANDRÉ PERUGIA.