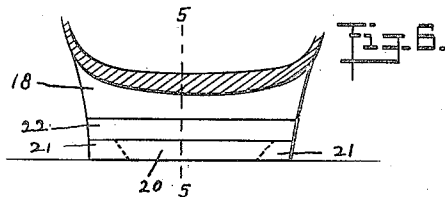
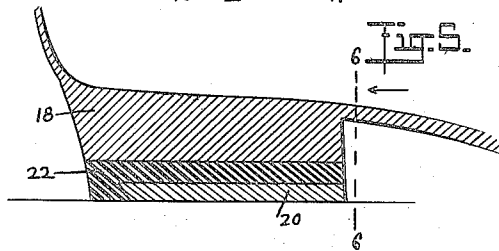
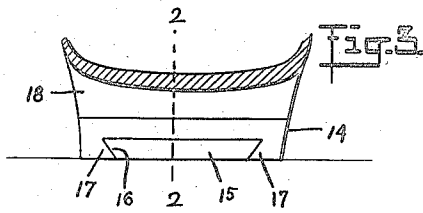
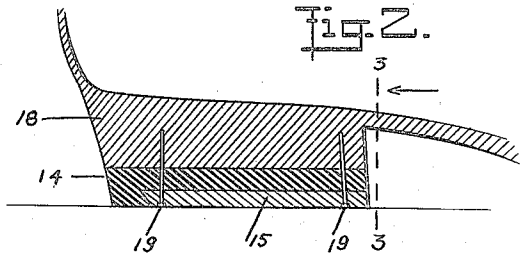
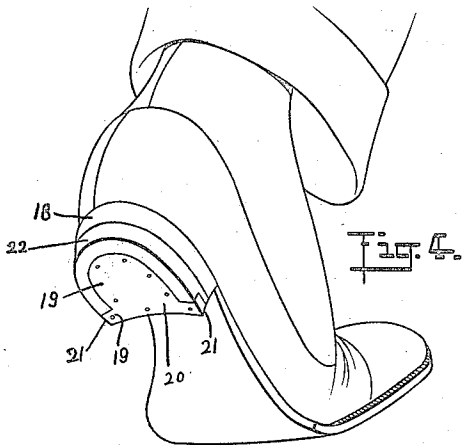
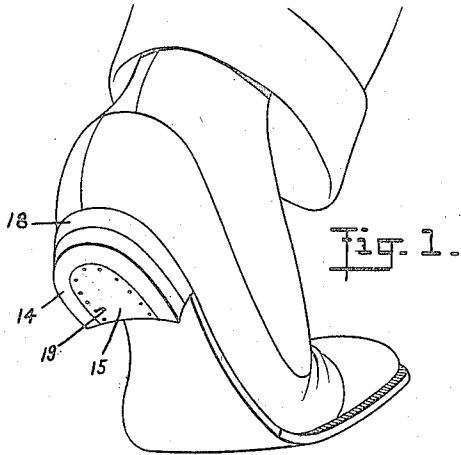


E. E. LOTTIER.
SHOE HEEL LIFT.
APPLICATION FILED JULY 30, 1912.

1,057,351.

Patented Mar. 25, 1913.



WITNESSES

W. E. Lottier
E. E. Lottier

INVENTOR

Ernest E. Lottier.

BY *M. M. Lottier*

ATTORNEYS

UNITED STATES PATENT OFFICE.

ERNEST E. LOTTIER, OF WEST HOBOKEN, NEW JERSEY.

SHOE-HEEL LIFT.

1,057,351.

Specification of Letters Patent. Patented Mar. 25, 1913.

Application filed July 30, 1912. Serial No. 712,232.

To all whom it may concern:

Be it known that I, ERNEST E. LOTTIER, a citizen of the United States, and a resident of West Hoboken, in the county of Hudson and State of New Jersey, have invented a new and Improved Shoe-Heel Lift, of which the following is a full, clear, and exact description.

Among the principal objects which the present invention has in view are: To provide a resilient heel having a non-resilient portion adapted to hold nails or other fastening devices when driven through said heel; to provide a simple and efficient means for securing a heel of the character mentioned upon a shoe; and to provide a resilient portion for heels, the wearing surface of which has the gripping qualities of rubber and of leather.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views, and in which,

Figure 1 is a pictorial view of a shoe having a heel constructed and arranged in accordance with the preferred form of the present invention; Fig. 2 is a detail view, on an enlarged scale, showing the heel illustrated in Fig. 1 and a vertical section thereof, the section being taken on the line 2—2 in Fig. 3; Fig. 3 is a vertical section taken on the line 3—3 in Fig. 2; Fig. 4 is a pictorial view of a shoe having a heel arranged in accordance with a modified form of the invention; Fig. 5 is a detail view, on an enlarged scale, showing a longitudinal vertical section of the heel illustrated in Fig. 4, the section being taken on the line 5—5 in Fig. 6; Fig. 6 is a vertical section taken on the line 6—6 in Fig. 5.

In the preferred form of the invention is shown in Figs. 1 to 3 inclusive, a rubber heel lift 14. The lift 14 is molded to provide a recess to receive the leather tab 15. The tab 15 is provided with chamfered edges 16, to rest beneath the overhanging portion 17 with which the lift 14 is provided. At the rear of the tab 15 and of the lift 14, the said tab and the recess for holding the same are curved, as seen best in Fig. 1 of the drawings, the curve being concentric with the shape of the body of the heel and the outer edge of the lift 14. At the forward edge of the lift 14, the recess for holding the

tab 15 is open, by which means the tab may be inserted edgewise within said recess. When the lifts 14 are supplied to the trade, there is inserted in each a tab 15. Before inserting the tab 15, I preferably coat the same with a suitable cement, which unites the rubber of the lift 14 and the tab 15, constituting therewith a single unitary element for shoe and boot making.

When the shoemaker is provided with lifts of the character described, the method of applying the same to the heel body 18 is the same as that at present followed, wherein is employed nails or brads 19, or, if desired wooden pegs. As in applying all lifts in the upbuilding of heels, the juxtaposed surface of the lift 14 is provided with a suitable cement, which adheres the lift 14 to the heel body 18. When the heel is finished, the side walls or surface may be furnished in the manner at present employed when constructing heels from leather lifts exclusively.

With a heel constructed as above described, it will be found that the impact of the heel upon the pavement is softened by the rear edge of the lift 14, but that when the entire surface of the heel is planted on the ground, the uncertainty of tread, forming at present an objectionable feature in rubber heel lifts, is avoided, the leather tab 15 constituting a corrective therefor. Further, it will be found that when the heel is fully planted on the ground, the tendency inherent in rubber heels to slip on moistened surfaces, is corrected by the leather tab 15 gripping said surfaces.

In the modified form of the invention shown in Figs. 4 to 6 inclusive, the leather tab 20 is provided with lateral extensions 21, which extend fully across the forward edge of the lift to form a leather protective member for the lift, and to increase the wear of the same. The particular wear to avoid which the extensions 21 are provided is that incident to the scuffing of the heel or the striking of slight projections in the pavement over which the ball of the foot passes as the foot is descending to the ground. The blow of these projections has heretofore played a large part in the destruction of the rubber heel tabs.

It will be noted that the extensions 21 are secured in position by the fasteners or brads 19. The rubber lifts 22 employed in conjunction with the tab 20 differ from the

lift 14 only in that recesses are provided adjacent the forward edge thereof, to receive the extensions 21.

Having thus described my invention, I claim as new and desire to secure by Letters Patent:—

1. A shoe heel lift, comprising a rubber body portion having formed therein a recess open at the side and forward edge thereof, and a leather tab mounted in said recess and extended flush with the breast of the heel to form a wearing surface at the forward edge of the heel.

2. A shoe heel lift, comprising a rubber body portion having formed in the under side thereof a recess opening downwardly

and at the forward edge, the sides of said body portion surrounding said recess being cut away adjacent to the breast of the heel; and a leather tab mounted upon said body portion to form a wearing surface for said heel, said tab having at the forward edge extensions to the side of the lift in front of said cut-away portions of said rubber body portion to protect the same.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ERNEST E. LOTTIER.

Witnesses:

S. G. HYATT,
C. H. SQUIER.