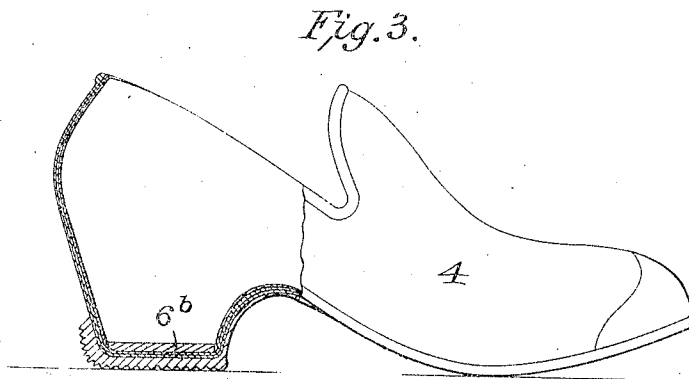
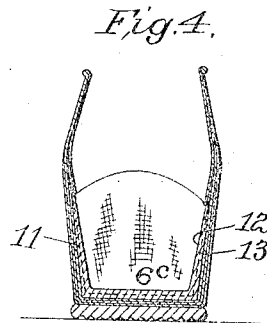
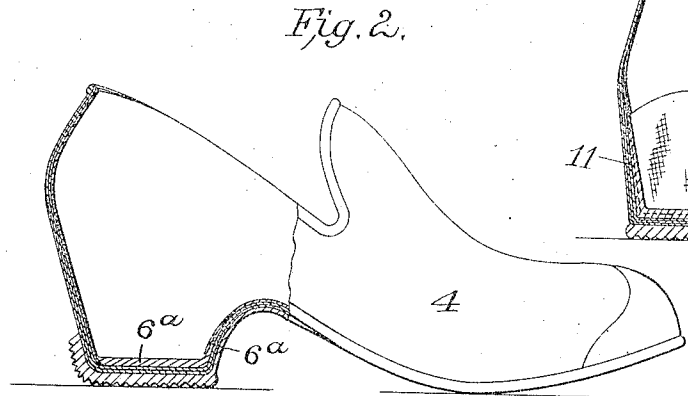
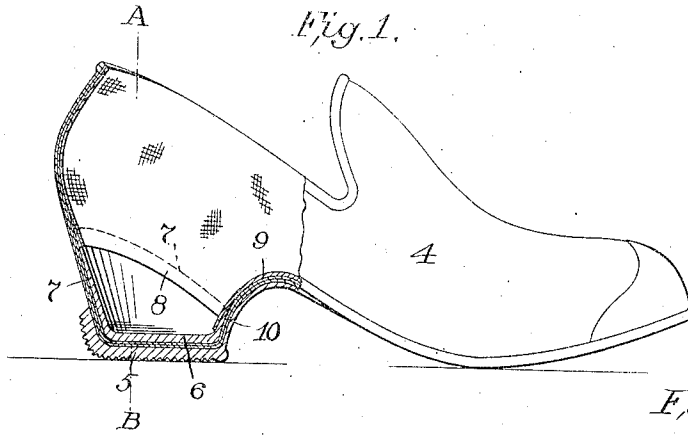


A. A. GLIDDEN.
RUBBER HEEL LIFT.
APPLICATION FILED APR. 23, 1910.

1,058,857.

Patented Apr. 15, 1913.



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UNITED STATES PATENT OFFICE.

ALFRED A. GLIDDEN, OF WATERTOWN, MASSACHUSETTS, ASSIGNOR TO HOOD RUBBER COMPANY, A CORPORATION OF MASSACHUSETTS.

RUBBER HEEL-LIFT.

1,058,857.

Specification of Letters Patent.

Patented Apr. 15, 1913.

Application filed April 23, 1910. Serial No. 557,249.

To all whom it may concern:

Be it known that I, ALFRED A. GLIDDEN, citizen of the United States, residing at Watertown, Massachusetts, have invented certain new and useful Improvements in Rubber Heel-Lifts, of which the following is a specification.

My present invention relates to improvements in rubber overshoes and has for its object to strengthen the shoe and enhance its wearing quality, preventing the breaking or cracking of the same in proximity to the heel, which is very common when the overshoe is worn over the high heeled ladies shoes now so generally used.

The invention includes the novel features hereinafter described and particularly defined by the appended claims.

Rubber overshoes embodying my invention are shown in the accompanying drawings, in which,

Figure 1 is a sectional view of such an overshoe. Fig. 2 is a similar view of a modification, and Fig. 3 is a view of a further modification. Fig. 4 is a section through the line A B of Fig. 1.

Referring by reference characters to this drawing, the numeral 4 designates an overshoe of the ordinary construction. Upon the inside of the shoe and directly over the heel 5 I place a lift of soft rubber compound 6, which is made of uncured stock and applied in place before the shoe is vulcanized, so that when the shoe, with the inserted inside lift is vulcanized, the said lift is held firmly in place and becomes an integral part of the shoe. At the same time it provides a soft elastic medium between the heel of the leather boot and the inner face of the overshoe. This I have found by experience prevents cracking or breaking of the overshoe around the heel.

I prefer to provide the lift with a thinner portion extending upwardly from its edge around the sides and rear of the heel, as indicated at 7, and the fabric lining 8 is caused to overlap the upper edge of the part 7. Similarly the inner fabric sole lining 9 is caused to overlap the front edge of the heel portion as indicated at 10.

While the flange or box like formation of the rubber lift or lining is desirable, I have found that material advantages are secured by the use of forms such as shown in Figs. 2 and 3.

In Fig. 2 only the upwardly extending flange or portion at the front of the rubber lift 6^a is used, while in Fig. 3 the lift 6^b is shown as having no marginal flange at all.

While a rubber lift from a plain sheet of rubber compound may be used, I have found it advantageous to use a lift made in three plies, as shown at 6^c, Fig. 4. The outer layers 11, 12 are the usual soft rubber compound; the inner ply 13 may be metal or wire screening. I have found that the rubber on each side of the metal gives the elastic effect obtained in the all rubber lift, while the metal insertion gives the stability necessary.

I have found that this lift or heel seat socket may be fastened in the overshoe either by cementing or by mechanical means after the overshoe is vulcanized. In this case the lift or socket is formed and vulcanized in any of the well known methods and applied to the inside of the overshoe by any desired method. The elastic cushion effect is obtained whether applied before or after the overshoe is vulcanized.

Having thus described my invention what I claim is:

1. A rubber overshoe having a depressed heel seat and a lift of soft rubber compound completely covering the upper surface of said depressed seat and vulcanized thereto.

2. A rubber overshoe having a depressed heel seat and a lift of soft rubber compound applied to and completely covering the inside upper face of the heel and having an upwardly extending marginal flange, said lift and flange being vulcanized in place.

In testimony whereof, I affix my signature in presence of two witnesses.

ALFRED A. GLIDDEN.

Witnesses:

C. H. ROPER,
T. M. READ.