

W. J. MORGAN.
SHOE HEEL CONSTRUCTION.
APPLICATION FILED JAN. 20, 1919.

1,338,580.

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Fig. 1.

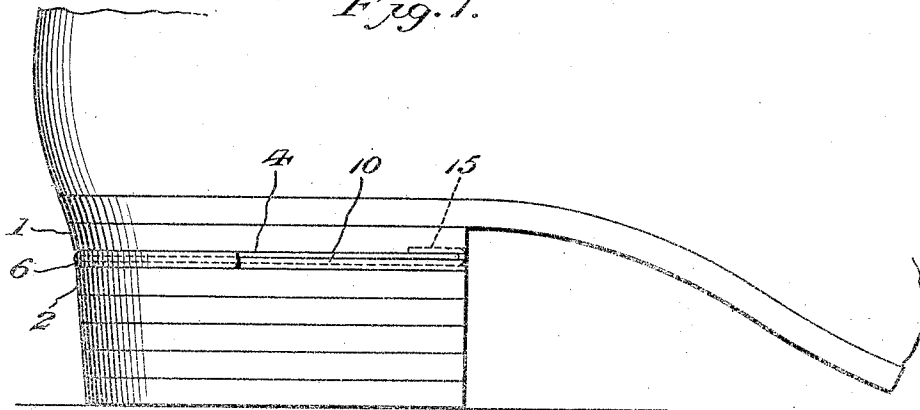


Fig. 2.

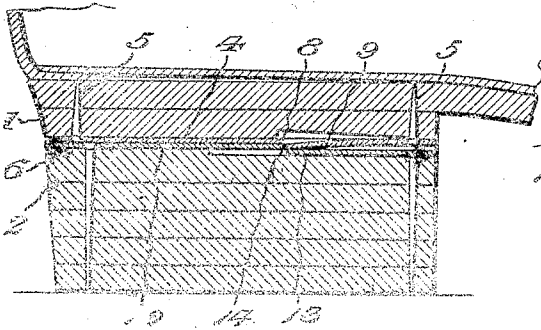
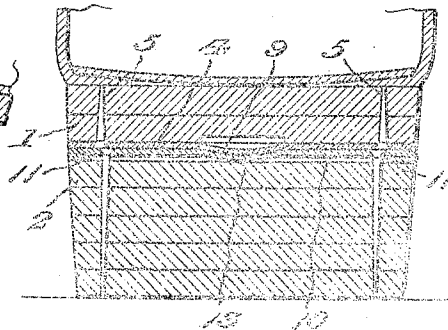
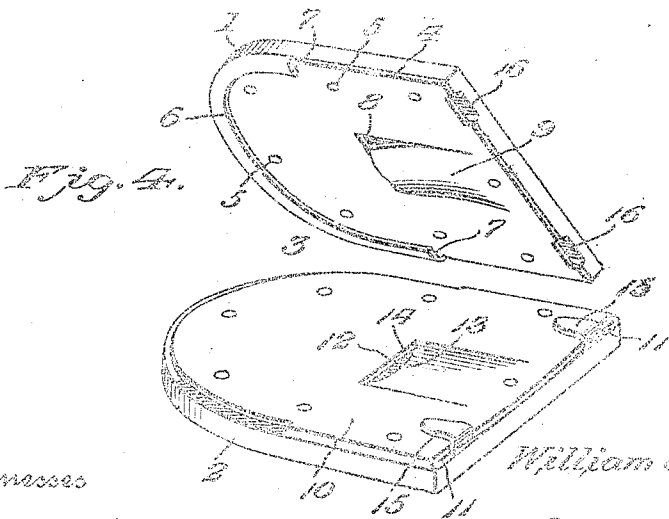


Fig. 3.



Witnesses

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SHOE-HEEL CONSTRUCTION.

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To all whom it may concern:

Be it known that I, WILLIAM J. MORGAN, a citizen of the United States, residing at Bressler, in the county of Dauphin and State of Pennsylvania, have invented new and useful Improvements in Shoe-Heel Constructions, of which the following is a specification.

This invention relates to certain novel and useful improvements in shoe heel construction and has particular application to means for effecting a detachable connection between the shoe heel and the lift.

In carrying out the present invention it is my purpose to provide means whereby a detachable connection may be effected between the heel portion of the shoe proper and the lift so that in the event of the wearing out of the lift the latter may be removed and a new lift substituted therefor, the construction and arrangement being such that the withdrawal or removal of the old lift and the insertion of the new lift may be done quickly and conveniently and with a minimum effort on the part of the wearer of the shoe.

It is also my purpose to provide a detachable connection of the class described which will be so constructed as to hold the lift securely and effectively in place on the heel portion of the shoe and which will prevent accidental disconnection of the lift from said heel portion, thereby preventing the loss of the lift in the wearing of the shoe.

A further object of my invention is to provide an improved heel construction for shoes which will embrace the desired features of simplicity, efficiency and durability, which may be manufactured and marketed at small cost and which will embody comparatively few parts being so arranged and correlated as to reduce the possibility of derangement to a minimum.

With the above recited objects in view and others of a similar nature the invention resides in the construction, combination and arrangement of parts set forth in and falling within the scope of the appended claims.

In the accompanying drawings:—

Figure 1 is a view in side elevation of a shoe heel constructed in accordance with my present invention.

Fig. 2 is a vertical sectional view thereof through.

Fig. 3 is a similar view taken at right angles to Fig. 2 and

Fig. 4 is a collective view showing the parts of the detachable connection in perspective.

Referring now to the drawings in detail 1 designates the heel portion of the shoe, while 2 indicates the lower lift which in the present instance is secured to the main body portion of the heel through the medium of my improved detachable connection which is indicated as an entirety by the reference character 3.

In this form of my invention my improved detachable connection embodies a plate 4 secured to the lower side of the main body portion of the heel 1 by means of nails 5 or other suitable fastening means. This plate 4 and the rear curved portion of the heel is formed with an inturned flange 6 that underlies the plate 4 to form a channel 7, the ends of the channel 7 opening onto the straight edge portion of the plate 4 as clearly illustrated in the drawing.

The plate 4 adjacent to its forward end and between its side edges is cut as at 8 to provide a spring tongue 9, the free edge of which is spaced apart from the inner straight edge of the plate 4 and depends from such plate.

Connected to the top surface of the bottom lift of the heel is a plate 10 of a shape corresponding to the bottom lift and to the plate 4. This plate 10 is fastened to the bottom lift of the heel by nails or other suitable fastening means.

The plate 10 has its straight edge portion of the sides curved downwardly and inwardly as at 11 in order that the rear curved edge of the plate will be spaced apart a short distance from the lift so as to receive the flange 6 of the channel 7 on the plate 4. The plate 10 at a point between the side edges at an appropriate distance from the inner straight edge is cut as at 12 and that portion of the plate between the cut 12 and the inner straight edge is depressed as at 13 so as to provide a shoulder 14 against which the free end of the tongue 9 may bear in order to prevent the accidental disconnection of the heel lift from the main body portion.

In accordance with my present invention the inner straight edge of the plate 10

is formed with upwardly and rearwardly turned fingers 15 suitably spaced apart and preferably arranged at the opposite sides of the depression 13. These fingers 15 are designed to engage over the straight edge of the plate 4 and rest in the depressions 16 formed in the straight edge of the plate 4.

In practice, the plate 4 is secured to the bottom of the main body portion of the heel 1, while the plate 10 is secured at the top surface of the lower lift of the heel. In order to connect the lift of the heel to the main body portion, the plate 10 is engaged with the plate 4 in such manner that the curved rear portion of the plate 10 is disposed in advance of the flanged portion of the plate 4. The plate 10 is now moved rearwardly over the plate 4 and the spaced curved rear edge of the plate 10 engages in the channel 7 formed by the flange 6, while the spring tongue 9 is clamped behind the shoulder 14 with the effect to lock the plates securely together so as to prevent accidental disconnection of the lift from the main body portion of the heel. The fingers 15 pass into the depressions 16 and overlap the plate 4 at the straight edge of the latter thereby assuring a positive connection between the inner straight edges of the main body portion of the heel and the lift.

From the foregoing description taken in connection with the accompanying drawings, it will be seen that I have provided a detachable connection for heel lift whereby a lift may be readily and quickly detached from the main body portion of the heel when such lift becomes worn or mutilated and whereby new lifts may be attached to the heel quickly and with a minimum effort on the part of the wearer. Furthermore, it will be seen that by means of my improved detachable connection, the lift is securely and effectively held in engagement with the main body portion of the heel so that accidental disconnection of the lift from the main body portion of the heel is avoided.

Having thus described my invention I claim:—

1. The combination with the main body portion of a heel and a heel lift, of a detachable connection between said body portion and heel lift comprising a plate secured to the lower side of the main body portion of the heel and conforming to the configuration of said body portion, a flange at the curved edge of said heel forming a channel, a second plate secured to the upper surface of the heel lift and having the side portions contiguous to the straight edge extended laterally and turned downwardly

and inwardly to provide flanges to space the curved edge of said second named plate from the heel lift whereby curved spaced portions engage in said channel and said plates are placed in face to face contact, means on the confronting faces of said plates acting to prevent accidental disconnection of the same, and means for detachably connecting the forward straight edges of said plates.

2. The combination with the main body portion of a heel and a heel lift, of a detachable connection between said body portion and heel lift comprising a plate secured to the lower side of the main body portion of the heel and conforming to the configuration of said body portion, a flange at the curved edge of said heel forming a channel, a second plate secured to the upper surface of the heel lift and having the side portions contiguous to the straight edge extending laterally and turned downwardly and inwardly to provide flanges to space the curved edge of said second named plate from the heel lift whereby curved spaced portions engage in said channel and said plates are placed in face to face contact, means on the confronting faces of said plates acting to prevent accidental disconnection of the same and including a spring tongue cut out of the first mentioned plate adapted to engage behind a shoulder formed on the second named plate and means for detachably connecting the forward straight edges of said plates.

3. The combination with the main body portion of a heel and a heel lift, of a detachable connection between said body portion and heel lift comprising a plate secured to the lower side of the main body portion of the heel and conforming to the configuration of said body portion, a flange at the curved edge of said heel forming a channel, a second plate secured to the upper surface of the heel lift and having the side portion contiguous to the straight edge turned downwardly and inwardly to space the curved edge of said second named plate from the heel lift whereby curved spaced portions engage in said channel and said plates are placed in face to face contact, means on the confronting faces of said plates acting to prevent accidental disconnection of the same, and fingers formed on the straight edge of the second named plate and overlying the latter and adapted to engage over the straight edge portion of the first named plate to secure said plates to each other and the straight edges thereof.

In testimony whereof I affix my signature.

WILLIAM J. MORGAN.