A. VANBLOM.

SHOE HEEL.

APPLICATION FILED FEB. 12, 1919.

1,347,422. Patented July 20, 1920.

Fig. 1.

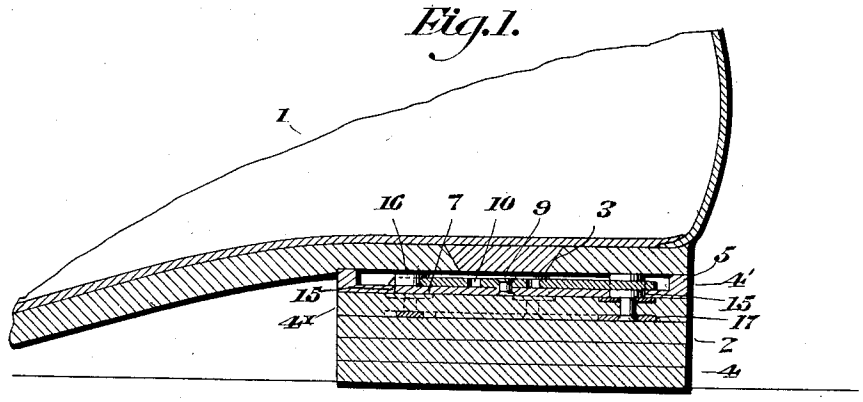


Fig. 2.

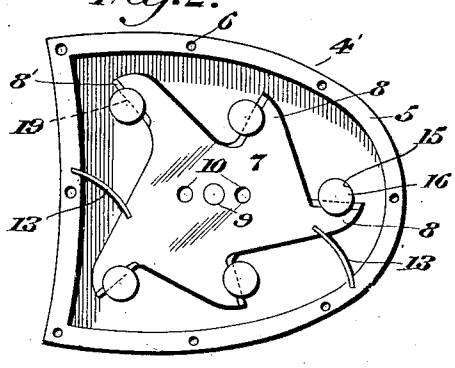


Fig. 3.

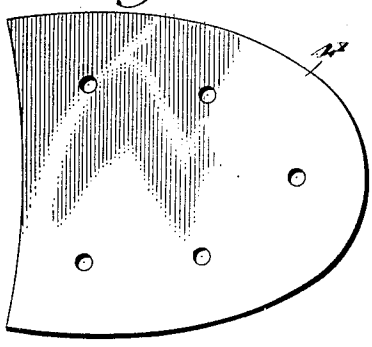


Fig. 4.

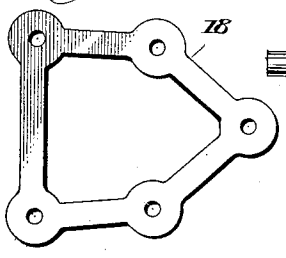


Fig. 6.

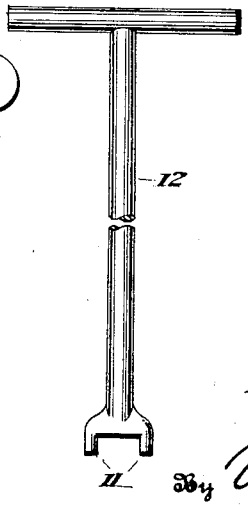
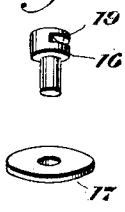


Fig. 5.



Witness

M. D. Phelps

Inventor

Albert Vanblom

By Victor J. Evans

Attorney

UNITED STATES PATENT OFFICE.

ALBERT VANBLOM, OF ROCKFORD, ILLINOIS.

SHOE-HEEL.

1,347,422. Specification of Letters Patent. Patented July 20, 1920.

Application filed February 12, 1919. Serial No. 276,517.

To all whom it may concern:

Be it known that I, ALBERT VANBLOM, a citizen of the United States, residing at Rockford, in the county of Winnebago and State of Illinois, have invented new and useful Improvements in Shoe-Heels, of which the following is a specification.

This invention relates to a novel construction of heels for shoes and the principal object of the invention is to provide means for making the heel detachable from the shoe.

Among other features the invention includes a rotatable plate secured to the stationary part of the heel and engaging lugs carried by the movable part of the heel to hold the two parts of the heel together, with means for rotating the plate to disengage it from the lugs when it is desired to remove the heel from the shoe.

The invention also consists in certain other features of construction and in the combination and arrangement of the several parts, to be hereinafter fully described, illustrated in the accompanying drawings and specifically pointed out in the appended claim.

In describing my invention in detail, reference will be had to the accompanying drawings wherein like characters denote like or corresponding parts throughout the several views, and in which:—

Figure 1 is a view of a portion of a shoe supplied with my invention, with parts broken away.

Fig. 2 is a top view of the upper riser with the locking plate thereon.

Fig. 3 is a view of the second riser.

Fig. 4 is a view of the washer plate.

Fig. 5 is a view of one of the lugs and its washer.

Fig. 6 is a view of the wrench used with the device.

In these views 1 indicates the shoe and 2 the heel. The bottom of the shoe forming the heel is provided with the recess 3 through which access may be had to the recessed heel. This recess may be closed by a suitable plug when the shoe is in use.

The heel 2 is formed of the risers 4 which may be formed of leather, rubber or the like. The top riser 4′ is recessed on its upper face to provide a flange 5 around its edges. Holes 6 pass through this riser and the flange so that the riser may be nailed to the shoe. The locking plate 7 provided with the projecting parts 8 is located in the recess in the riser and is pivoted to said riser by the pin 9 which passes through the plate and the riser. Thus the plate may have rotary movement in said recess. This plate is provided with a pair of holes 10 which are adapted to be engaged by the forked end 11 of the wrench 12 which pass through the recess 3 in the bottom of the shoe when it is desired to rotate the plate. The plate is normally held against movement by a pair of springs 13 secured to the flange 5 of the top riser and engaging slots 14 in the plate 7. The top riser 4′ is provided with a plurality of holes 15 which passes upwardly into the bottom of the recess. These holes are adapted to receive the lugs 16 which are carried by the second riser 4×. These lugs pass through holes formed in the second riser and are secured therein by means of the washers 17 engaging the upper face of the second riser and the washer plate 18 engaging the bottom face of the second riser. The washer plate is secured to the lugs by upsetting the ends of the lugs after they are passed through the holes in said washer plate. It will be seen that the lugs are so located that they pass in to the holes 15 when the parts are placed together. The heads of the lugs are provided with the slots 19 which are engaged by the projecting portions 8 of the locking plate when the plate is turned in to locking position. The other risers are secured to the second riser in the usual way so as to make a complete heel.

It will thus be seen that the heel may be easily and quickly attached and detached from the shoe by rotating the plate 7 to bring its projecting parts into and out of engagement with the slotted lugs. I may bevel the edges of the projecting portions 8, as shown at 8′, when desired to make a close fit of the heel with the shoe.

What I claim is:—

The combination with a shoe, of a sta-

tionary riser secured thereto and provided with a recess, and having holes in its lower part communicating with said recess, a rotatable plate pivoted in said recess, projections on the edges of said plate, a heel part, slotted lugs carried thereby and extending through the holes into the recess and a spring carried by the stationary riser and engaging a part of the plate for holding the projections thereon in engagement with the slots in said lugs.

In testimony whereof I affix my signature.

ALBERT VANBLOM.