T. T. MARSHALL.
ADJUSTABLE CIRCULAR HEEL FOR BOOTS OR SHOES.
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ADJUSTABLE CIRCULAR HEEL FOR BOOTS OR SHOES.

SPECIFICATION forming part of Letters Patent No. 688,347, dated December 5, 1899.
Application filed June 6, 1899. Serial No. 719,347. (No model.)

To all whom it may concern:

Be it known that I, THOMAS TINNOCK MARSHALL, a citizen of Canada, residing at Hamilton, in the county of Wentworth and Province of Ontario, Canada, have invented new and useful Improvements in Adjustable Circular Heels for Boots or Shoes, in which the following is a specification.

This invention relates to adjustable circular heels for boots and shoes, in which a circular metallic ring or plate is adjustably attached and secured to the specially-prepared heel of a boot or shoe by means of a screw passing through the recessed center of the diametrical and raised arm of said ring and into a flanged nut, which is secured between the layers or lifts of said heel.

The objects of my invention are, first, to provide a boot or shoe the heel part of which shall be very durable and comfortable to walk with; second, to provide a heel which when worn uneven—that is, more on one side than the other—the worn-down part shall be capable of adjustment to any desired position in order that the unworn part may be in a position to be worn down and comparatively leveled, and, third, to afford facilities for the proper and perfect adjustment of the lower movable part of the heel. I attain these objects by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a side elevation of a small-size boot having this adjustable circular heel. Fig. 2 is an enlarged section of the heel part of the same. Fig. 3 shows the detached flanged nut. Fig. 4 is a plan of the detached metallic ring, and Fig. 5 is the reverse or lower corrugated side of the same.

Similar letters and numerals refer to similar parts throughout the several views.

In the drawings the metallic ring or plate, which is corrugated on its lower wearing side, is indicated by A, its diametrical and raised arm by B, and its dovetail circular recess by C. This metallic ring A is secured to the nut B by means of the screw C, the head of which fits into a recess or countersink 4 in the lower and central part of the arm of the ring, the screw passing through the central hole 5 of the upper boss 6 of said arm and thence into the threaded nut B, which has an oblong or square flange to prevent the same from turning when in position between the layers or lifts of leather D and E, which go to make up the heel in conjunction with the layer of leather 55 H and the lower parts A and J. The raised arm, with its upper and central boss 6, is inserted in the layer of leather H, and the ends of the arm terminate a distance from the circumferential line of the ring, so as not to be perceptible from the exterior, and by reason of the arm being inserted the ring and the layer H will both be revolved or adjusted together and at the broken line X X, which adjustment may take place when one side of the ring is worn off on one side. This adjustment is accomplished by means of a screw-driver acting in the nick of the screw-head. The lowest layer of leather, rubber, or other suitable material J, the edge of which is beveled to conform to the bevel or dovetailed cavity 3 of the ring, is forced therein and remains fixed. The central hole 7 of this layer J is for insertion of a screw-driver.

When the flanged nut B is inserted in position in and between the layers D and E of the heel, the said layers are secured together by means of nails, cement, or other fastened and form a part of the heel part of the boot. It will be perceptible that the three lower parts—that is, from the broken line X X—move together when adjusted, the lower dovetailed layer being slightly rounding or convex, as shown, and assists very materially in the wear of the heel and prevents any annoying or unnatural sound. It will be noticed that space is allowed between the metallic nut and the boss on the upper side of the arm of the ring in order to allow the layer H to be firmly secured to the latter and specially adapted to all kinds of foot-wear and may be of very light or of heavy construction, as the case may be.
Various changes in the form, sizes, and proportions may be resorted to without departing from the spirit and scope thereof. Hence what I claim as my invention, and desire to secure by Letters Patent, is—

An adjustable circular heel for boots and shoes, consisting of a ring, its inner circle beveled to retain a round layer of leather terminating within the sides of the ring, and having a central hole, said ring provided with a raised diametrical arm with a central boss, and said raised arm terminating a distance from the outer sides of said ring, and inserted into a layer of leather to revolve therewith, and to fasten by means of a screw passing through a countersunk hole in said arm-boss, and entering a rigid flanged nut above said arm, as described.

Witnesses:

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THOMAS TINNOCK MARSHALL.