(No Model.)

R. F. McCONNELL.

HEEL FOR BOOTS AND SHOES.

No. 348,472. Patented Aug. 31, 1886.

Fig. 1.

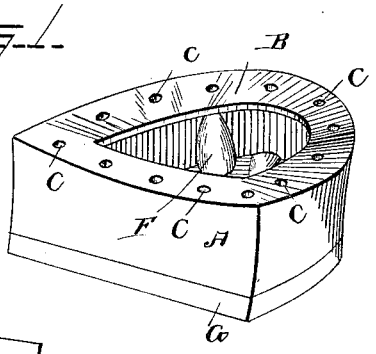


Fig. 2.

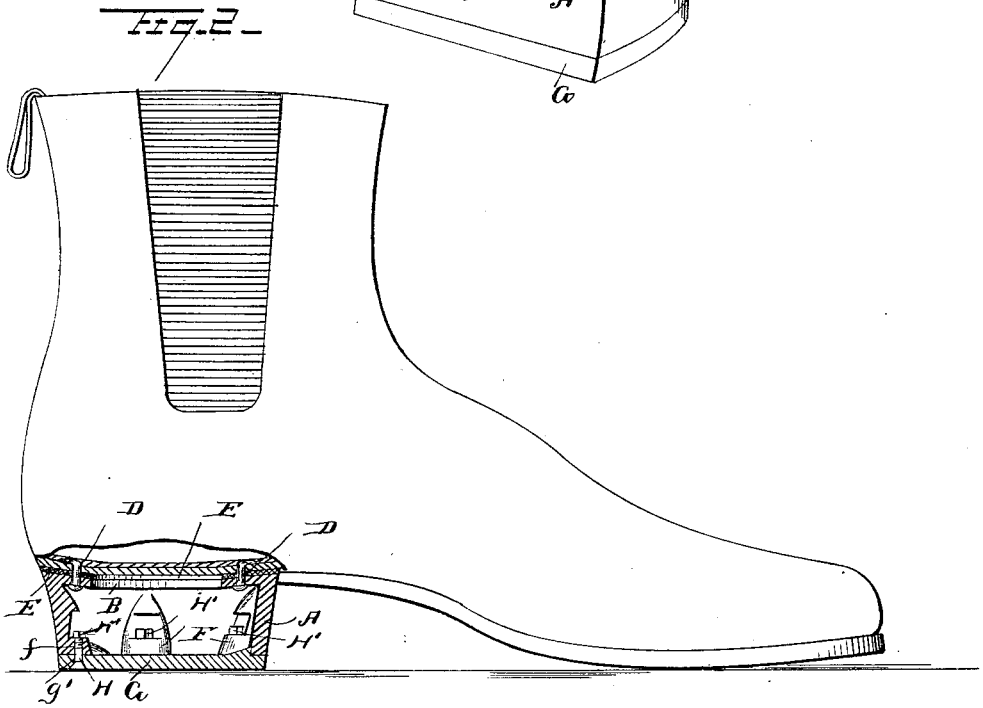


Fig. 3.

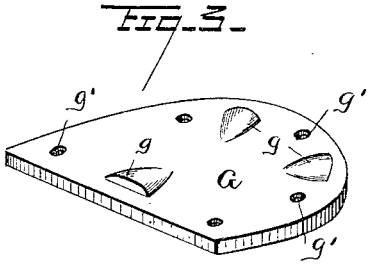
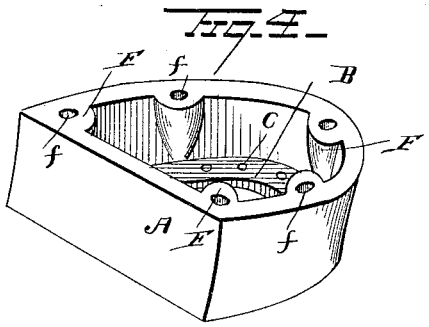


Fig. 4.



Witnesses
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UNITED STATES PATENT OFFICE.

ROBERT FLOYD McCONNELL, OF ESTILLVILLE, VIRGINIA.

HEEL FOR BOOTS AND SHOES.

SPECIFICATION forming part of Letters Patent No. 348,472, dated August 31, 1886.

Application filed June 21, 1886. Serial No. 205,811. (No model.)

To all whom it may concern:

Be it known that I, ROBERT FLOYD McCONNELL, a citizen of the United States, residing at Estillville, in the county of Scott and State of Virginia, have invented a new and useful Improvement in Heels for Boots and Shoes, of which the following is a specification.

My invention relates to an improvement in heels for boots and shoes; and it consists in the peculiar construction and combination of devices that will be more fully set forth hereinafter, and particularly pointed out in the claims.

In the drawings, Figure 1 is a perspective view of a heel embodying my improvements. Fig. 2 is a vertical longitudinal central sectional view of the same attached to a boot or shoe. Fig. 3 is a detailed perspective view of the heel-plate. Fig. 4 is an inverted detail perspective view of the removable heel with the bottom plate detached therefrom.

A represents the main portion of the heel, which may be made of any preferred material, such as brass, copper, iron, steel, or vulcanized rubber. The upper side of the heel is concaved, and thereby adapted to fit that portion of the shoe to which the heel is attached, and is provided with an inwardly-extending flange, B, which is made integrally with the sides of the heel. Through the said flange on the inner sides of the sides of the heel is made a series of openings, C, through which screws or nails D are passed, to secure the heel to the boot or shoe, as shown in Fig. 2.

In between the upper side of the concaved flange B and the lower side of the heel portion of the boot or shoe is placed a cushion, E, which is preferably made of india-rubber, but which may be made of any suitable elastic material. On the inner sides of the sides at the lower edges thereof are formed offsets F, through which are made vertical openings *f*.

G represents a detachable bottom heel-plate, which is preferably made of the same material as the main portion of the heel, but which may be made of a different and more durable material, if desired. This heel-plate is provided on its upper side with shoulders *g*, which are adapted to bear against the inner lower edges of the sides of the main portion of the heel. A series of countersunk openings, *g'*, are also made near the edge of the plate B and align with the openings *f* in the offsets F. Screws H pass through the said openings *g'* and enter the threaded openings *f*, and thereby secure the plate G firmly to the main portion of the heel. Before securing the plate G to the heel the latter is filled with raw cotton or similar material to deaden the sound.

When the heel is made of any durable material, the construction of the offsets F will be as previously described; but if the heel is made of vulcanized rubber or other soft material in which the threads of the openings *f* will be very soon worn away, I secure a nut, H', in each of the offsets F, and make the said nut of iron or steel or other durable material, so that the threads in its opening to receive the screws will not become worn. I illustrate one of these nuts located in the offsets F in Fig. 2.

I am aware that it has been heretofore proposed to construct a hollow heel having a removable bottom plate secured in place by screws, which pass through the bottom plate and enter the upper side of the heel, and this I disclaim.

I am also aware that it has been heretofore proposed to construct the inner sides of the heel with inwardly-extending flanges or offsets to bear on the bottom plate, and this also I disclaim. My invention differs from this in that I provide the heel with the offsets on its inner sides and pass the screws from the bottom plate through the said offsets, in order to secure the bottom plate to the heel, and my invention further differs from the devices disclaimed in that I provide the bottom plate with the shoulders *g* on its upper side to bear against the inner sides of the heel, and thus seat the bottom plate on the lower side thereof.

Having thus described my invention, I claim—

1. The combination of the heel A, having the flange B at its upper side provided with the openings C, and the removable bottom plate, G, having the shoulders *g*, bearing against the inner lower edges of the sides of the heel, and the screws passed through openings in the said bottom plate and entering threaded openings in the heel, substantially as described.

2. The combination of the heel A, having the flange B at its upper side and the offsets F on its inner sides, and the removable plate G, having the shoulders *g*, adapted to bear against the inner lower edges of the sides, and the screws passed through the bottom plate and entering openings in the offsets F, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

ROBERT FLOYD McCONNELL.

Witnesses:
J. B. RICHMOND,
J. H. TAYLOR.