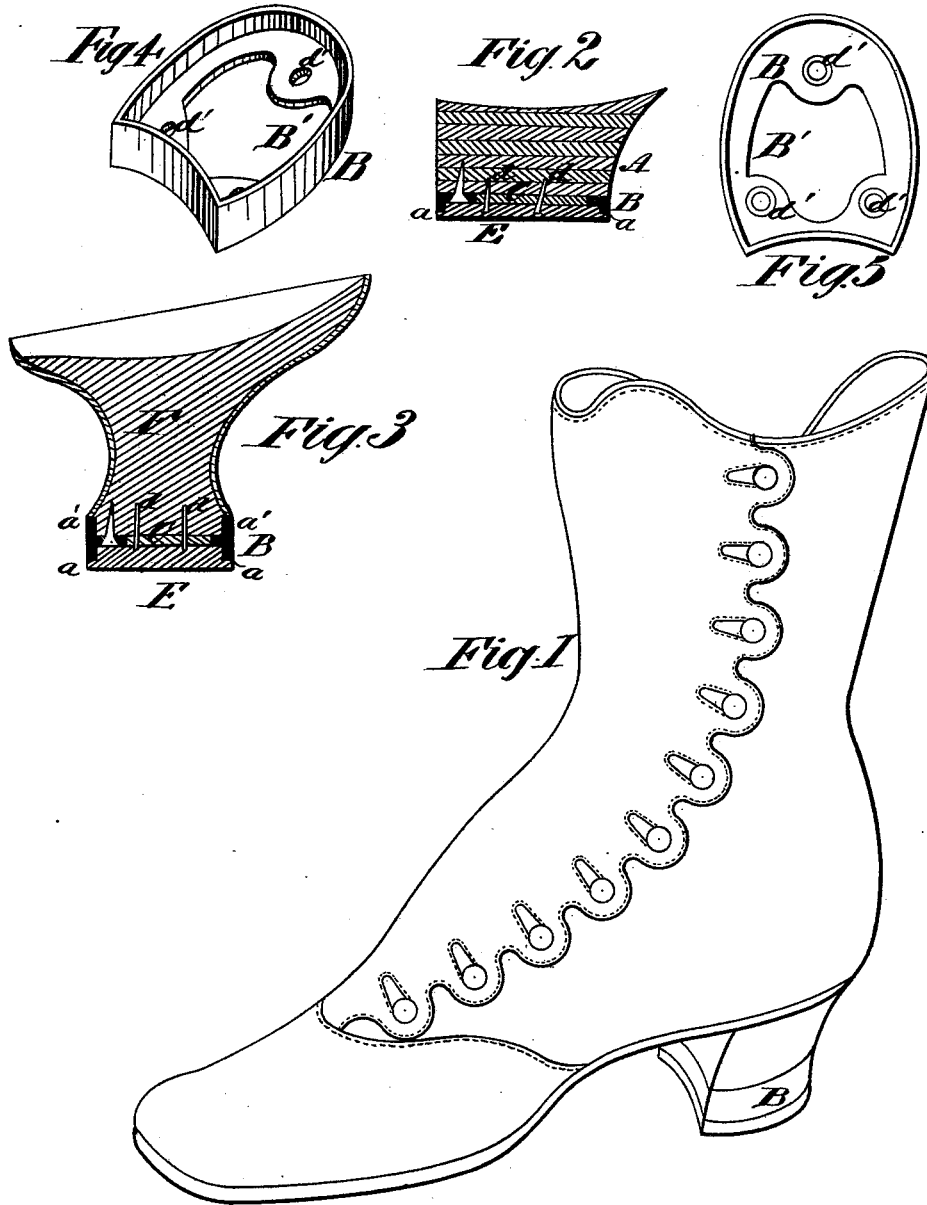


M. A. MYERS.

HEELS FOR BOOTS AND SHOES.

No. 189,487.

Patented April 10, 1877.



Witnesses
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UNITED STATES PATENT OFFICE.

MORRIS A. MYERS, OF NEW YORK, N. Y.

IMPROVEMENT IN HEELS FOR BOOTS AND SHOES.

Specification forming part of Letters Patent No. 189,487, dated April 10, 1877; application filed February 22, 1877.

To all whom it may concern:

Be it known that I, MORRIS A. MYERS, of New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Heels for Shoes and Boots; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification, in which—

Figure 1 is a perspective view of a lady's gaiter-boot having my improvement applied to the heel. Fig. 2 is a sectional view of a leather heel provided with said improvement. Fig. 3 is a section of a wooden heel provided with said improvement. Fig. 4 is a perspective view of the improved heel-plate. Fig. 5 is a plan view of the same.

This invention has relation to shoe and boot heels; and consists in the combination, in a shoe or boot heel, of a flanged iron having an open center, a filling containing blind pegs, and a covering-pad secured to the heel by said pegs, in the manner and for the purpose hereinafter described.

In the application of metal protecting-plates to the heels of ladies' shoes it has heretofore been customary to expose either the whole under surface of the plate, or, at least, a narrow surrounding flange. In the latter case the recess embraced by the flange has a filling of leather or rubber, which, being flush with the edge of the flange, allows the latter to come in contact with the ground or walking surface at every step. Besides this, the filling is secured to the heel by means of pegs, which pass through holes in the protecting-plate, leaving their heads or ends exposed to also strike the ground. Now, whether it be the entire plate or only the flange and pegs, or, in fact, either of the last two, that touches the ground, the effect produced is very disagreeable, and one that it is very desirable to avoid. To remedy the evil is the principal object of my invention. This object I accomplish by covering the entire lower surface of the plate, including the flange, and securing the covering-pad to the heel in such a way as to obviate entirely the contact of any metal with the

ground, while at the same time preserving the strengthening and stiffening qualities of the iron plate.

Of the irons or protectors now in use, or in use before my invention, the rim-flange depends from the lower part of the plate, being formed on one side only. Its use is to include the filling, but not to strengthen the heel; at least, it effects no such result. There are some classes of shoe-heels—for instance, those made from single blocks of wood—which are narrowed somewhat at a point immediately above the position of the plate. Such heels are very liable to break at this weak point, and when so broken are very hard to repair. To strengthen the heel at the point mentioned, and to prevent breaking, is the object of the second feature of my invention—viz., the flange formed on the upper surface of the iron or protecting-plate—and adapted to embrace the heel at or near its narrowest part.

Referring to the accompanying drawings, illustrating my invention, A, Fig. 2, designates a shoe-heel made of leather, with the usual arrangement of layers down to the point of attachment of the protecting-plate. B is the protecting-plate, which, for the purposes of the first or principal part of my invention, requires but a single flange, *a*, depending from its lower surface, as shown. The plate B is formed with an open center, B', for the reception of a filling-core, C, designed to receive and hold the "blind" pegs *d*, by means of which the covering-pad E is secured to the heel. The filling C may be either a separate piece of leather or equivalent material, or a projecting part of the adjacent layer or covering-pad, the layer or pad being properly cut and trimmed to produce the filling. The pad E is rabbeted on its edges, so as to fill snugly the recess embraced by the flange *a*, and at the same time cover the lower surface of the flange. When the pad wears so as to expose the metal plate, it may be easily removed and a new pad substituted.

F, Fig. 3, shows a wooden heel, to which is applied a protecting-plate, having, in addition to the flange *a*, an upper flange, *a'*, which embraces the heel above the surface of the plate, and strengthens it against fracture or other injury to which such heel in particular is liable.

In other respects the plate is the same as the one with a single flange, and has its filling and covering-pad similarly applied. The plates, in both instances, are secured to the heels by small screws passing through holes *d'*. To render the flange *a'* flush with the sides of the heel, the latter should have a groove formed to receive said flange.

Having fully described my invention, I claim as new and desire to secure by Letters Patent—

The combination, in a shoe or boot heel, of

a flanged iron having an open center, a filling containing "blind" pegs, and a covering-pad, secured to the heel by said pegs, in the manner and for the purpose set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 15th day of February, 1877.

MORRIS A. MYERS.

Witnesses:

THOS. A. CONNOLLY,
JOS. B. CONNOLLY.