

J. & E. MITCHELL.
Heel for Boot and Shoe.
No. 221,592. Patented Nov. 11, 1879.

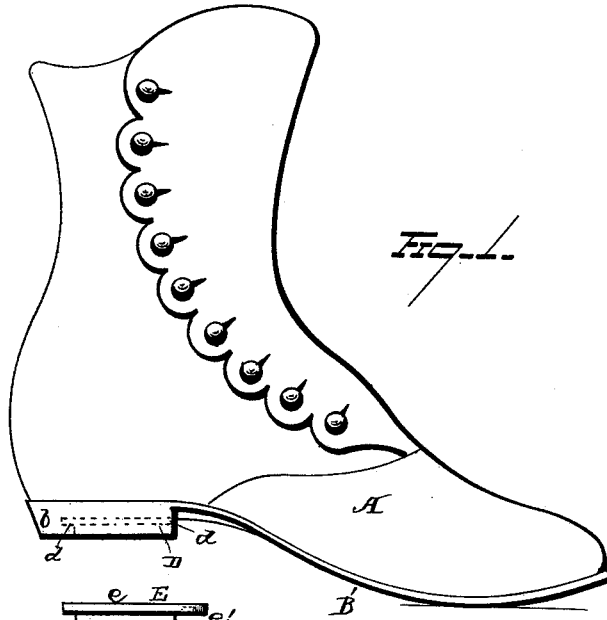


Fig. 1.

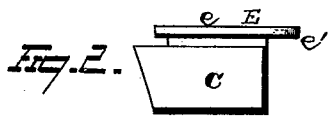


Fig. 2.

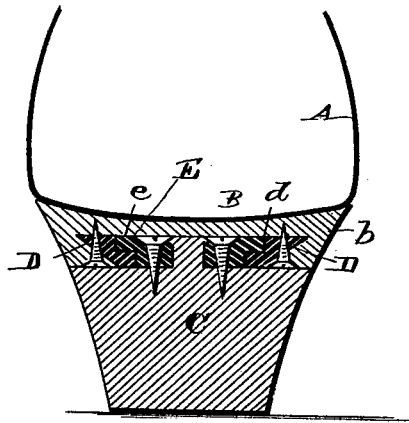
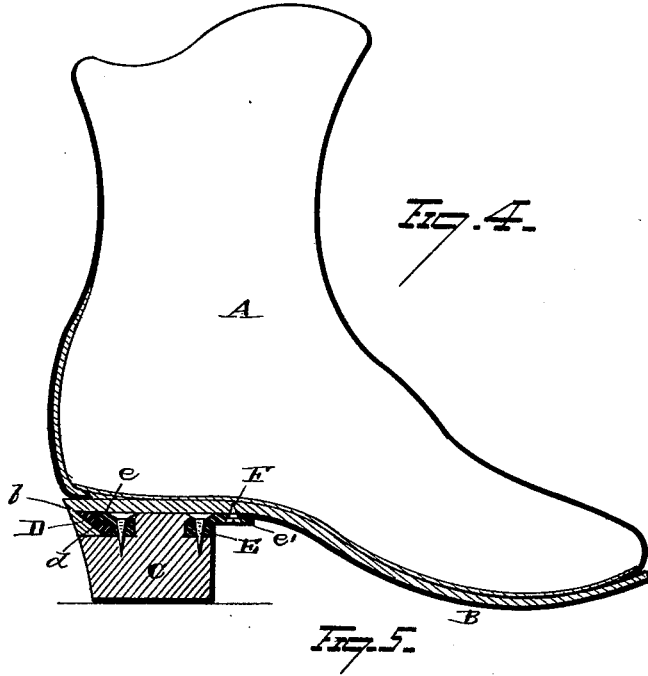


Fig. 3.

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UNITED STATES PATENT OFFICE.

JACOB MITCHELL AND ESAU MITCHELL, OF DETROIT, MICHIGAN.

IMPROVEMENT IN HEELS FOR BOOTS AND SHOES.

Specification forming part of Letters Patent No. 221,592, dated November 11, 1879; application filed September 9, 1879.

To all whom it may concern:

Be it known that we, JACOB MITCHELL and ESAU MITCHELL, of Detroit, county of Wayne, and State of Michigan, have invented a new and Improved Heel for Boots and Shoes; and we do hereby declare the following to be a full, clear, and exact description thereof, such as will enable others skilled in the art to which our invention pertains to make and use it, reference being had to the accompanying drawings, which make a part of this specification.

In the drawings, Figure 1 is a view of the shoe with the heel removed. Fig. 2 is a view of the heel separated from the shoe. Fig. 3 represents the shoe with the heel attached. Fig. 4 is a longitudinal section through the shoe and heel, and Fig. 5 a cross-section of same.

A is any ordinary boot or shoe, either for male or female wear. B is the sole, and C the heel. D is a U-shaped plate, which is surrounded by the lifts *b*, of leather, and is provided with the groove *d* beneath its edge. E is a corresponding plate attached to the heel C, as shown, so that the heel may be secured to the sole by simply sliding the two parts together in such manner that the flange *e* will pass into the groove *d*. In this position the leather of the heel will come flush upon the leather *b*, attached to the sole, and complete the heel. Screws F may then be passed through the lips *e'* and securely fasten the heel to the shoe.

When the heel has become partially worn upon one side, all that is necessary to do is to change the heels so that each heel shall be upon the other shoe, and thus it is apparent that by occasionally changing the heels from one shoe to the other they can be made to wear squarely until worn out. When worn out another heel can be substituted in a few minutes.

We also contemplate making the heels as an article of manufacture, so that a heel of a certain number or letter will fit a shoe of a corresponding number or letter.

The plates may be fastened to the heel and sole by screws or in any other suitable manner.

A shoe or boot provided with a heel of this character cannot be distinguished in external appearance from the ordinary heels, and they are equally solid and neat fitting, and the metal shows at no point upon the exterior, except, when made in the form shown, at the point where the screws pass through the lips *e'*.

The plates may be of metal or of rawhide, leather, or any other material suitable for the purpose.

What we claim is—

1. The combination, with a boot or shoe provided with a heel-plate permanently secured thereto, of a removable heel provided with a skeleton-plate permanently secured to it and having sliding engagement with the heel-plate, the forward portion of said skeleton-plate being detachably fastened to the shank, substantially as set forth.

2. The combination, with a boot or shoe provided with a U-shaped plate, of a removable heel provided with a plate having a central opening, within which fits a corresponding upright projection of the heel, the heel-plate being formed with a forward projection, which is detachably fastened to the shank and secures said plate in locking position with the U-shaped plate, substantially as set forth.

Witness our hands and seals at Detroit, Michigan, this 2d day of September, A. D. 1879.

JACOB MITCHELL. [L. S.]
ESAU MITCHELL. [L. S.]

Witnesses:

CHARLES M. WOODRUFF,
W. M. PORTER.