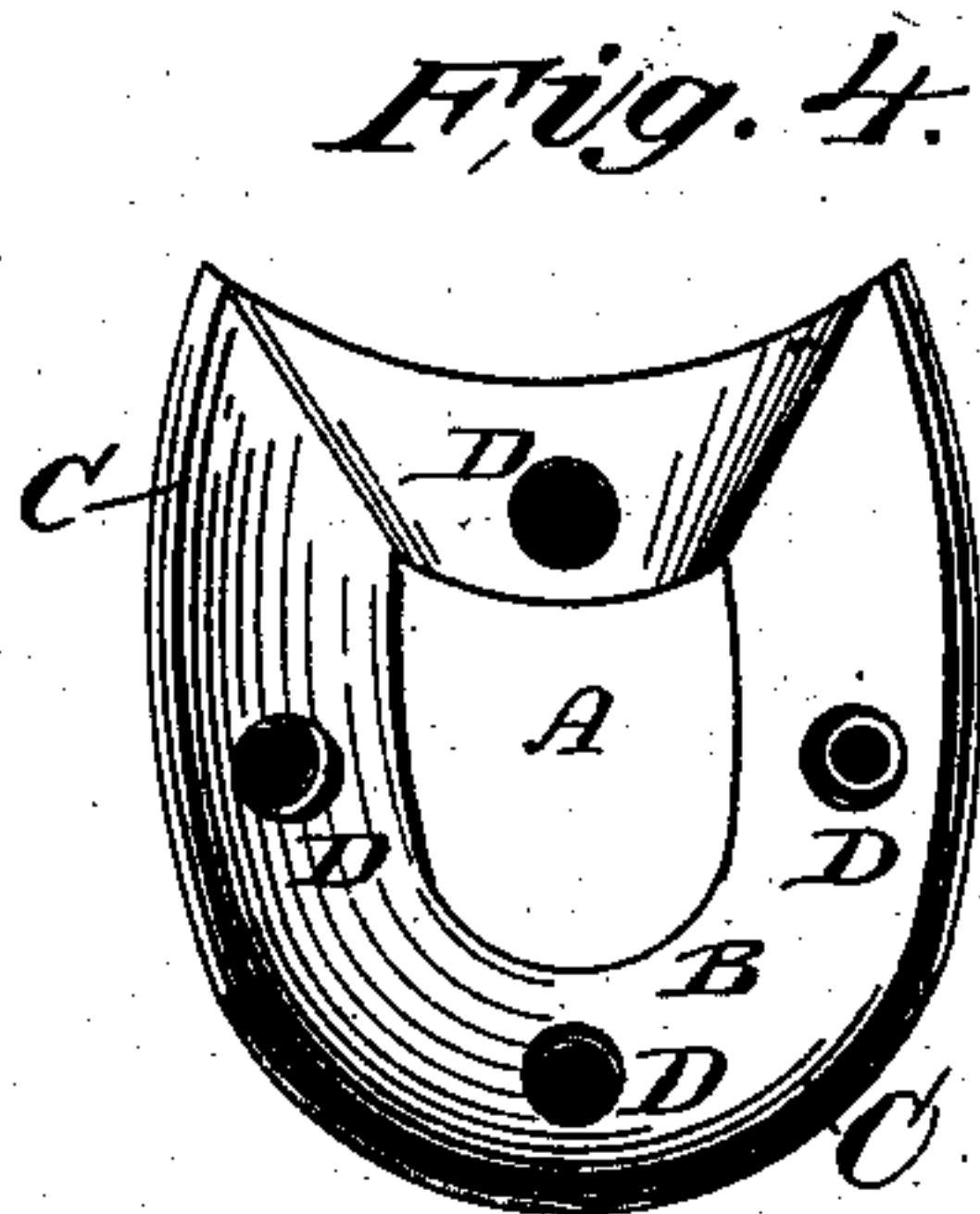
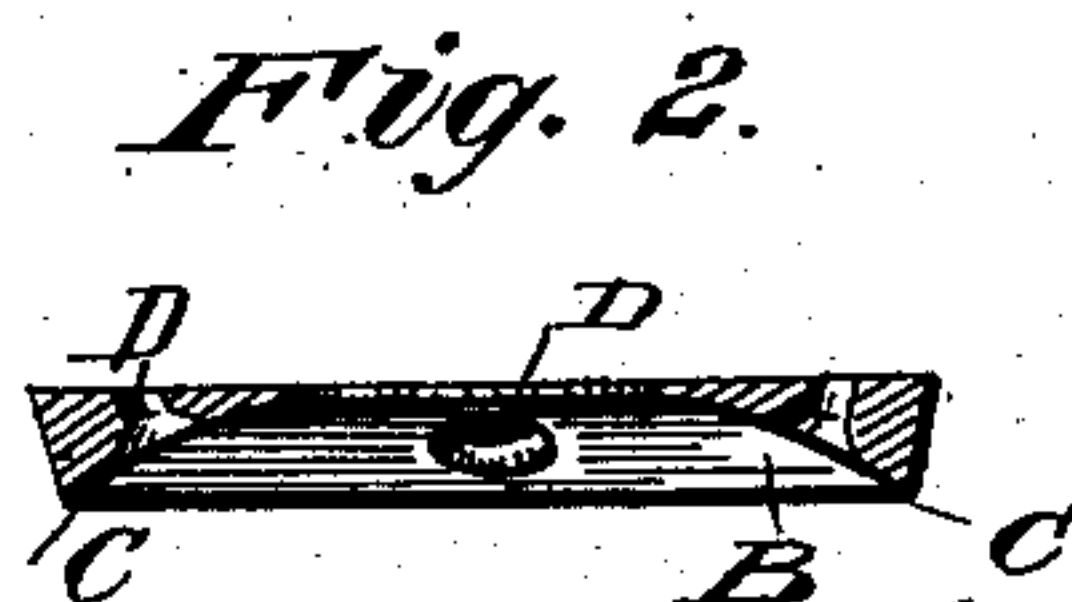
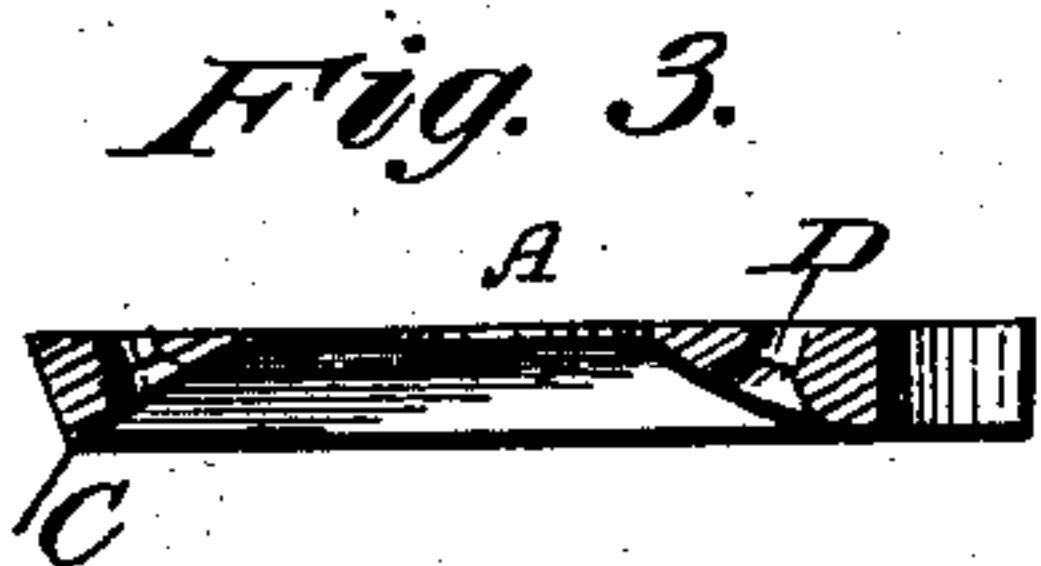
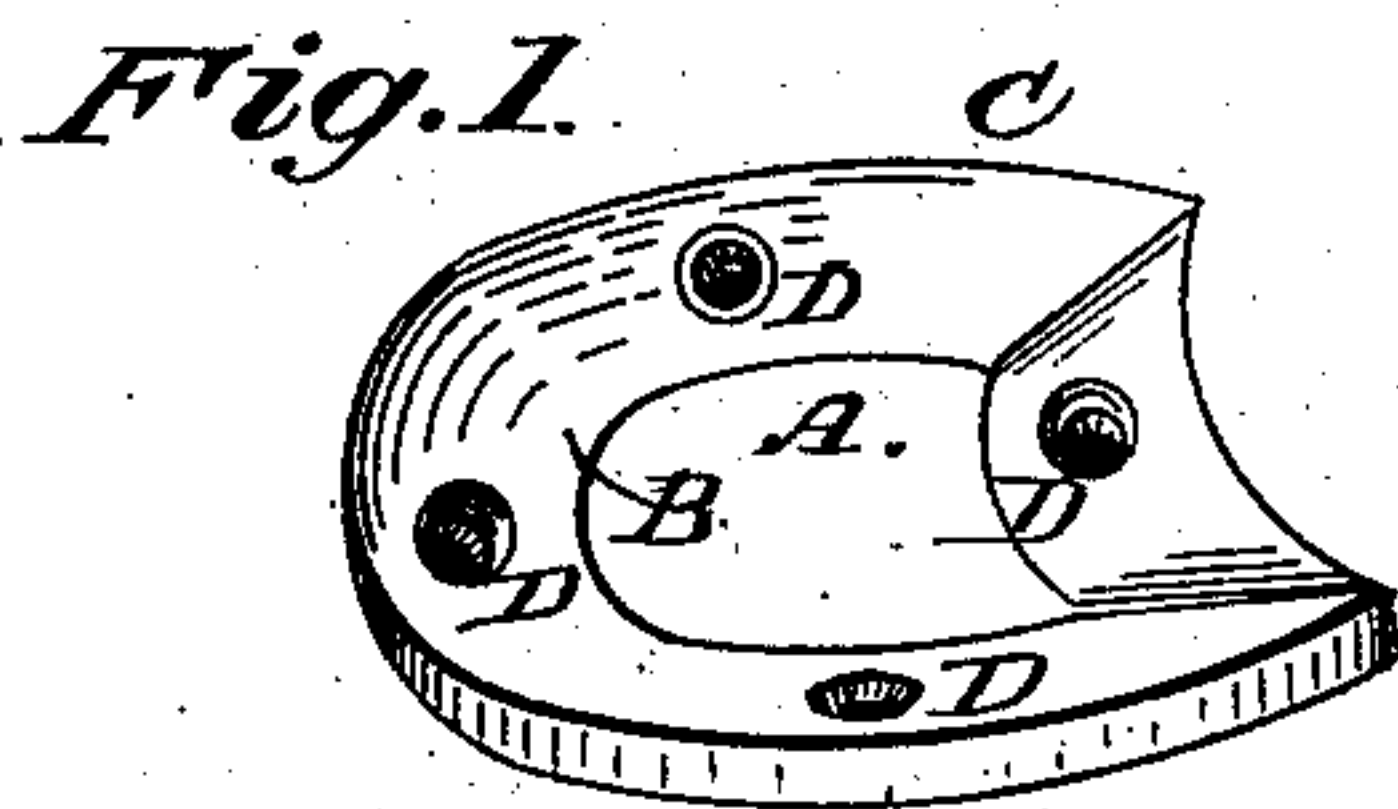


D. B. WATKINS.  
Heel-Plates for Boots and Shoes.

No. 224,365.

Patented Feb. 10, 1880.



Witnesses:  
*Fred. G. Dieterich*

*J. R. Littell,*

Inventor:

*Daniel B. Watkins,*

by-

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# UNITED STATES PATENT OFFICE.

DANIEL B. WATKINS, OF NEWARK, NEW YORK.

## HEEL-PLATE FOR BOOTS AND SHOES.

SPECIFICATION forming part of Letters Patent No. 224,365, dated February 10, 1880.

Application filed December 27, 1879.

*To all whom it may concern:*

Be it known that I, DANIEL B. WATKINS, of Newark, in the county of Wayne and State of New York, have invented certain new and useful Improvements in Heel-Plates for Boots and Shoes; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

Figure 1 is a perspective view. Fig. 2 is a cross-section. Fig. 3 is a longitudinal sectional view, and Fig. 4 is a bottom-plan view.

Corresponding parts in the several figures are denoted by like letters of reference.

This invention relates to an improved wear-plate for the heels of boots and shoes, the construction of which will be hereinafter more fully described, and particularly pointed out in the claim.

In the drawings hereto annexed, A represents my improved wear-plate, which is made of suitable size and shape to fit nicely upon the heel of the boot or shoe for which it is intended. The said wear-plate A is made in the shape of a frame, fitting the outline of the heel, and having its several sides beveled, so that the lower side of said plate or frame shall form a concavity, B, as clearly indicated in the drawings.

The outer edges of the sides of plate A are

sufficiently sharp to afford a hold and prevent slipping upon icy and slippery surfaces; but, being at the same time smooth and even, the said sharp edge C will not injure the floor or carpets upon which the wearer may walk.

Above the edge C the beveled sides of frame or plate A are provided with countersunk perforations D for the screws, by which the said wear-plate or frame is attached to the heel of a boot or shoe.

Owing to the concavity B, ice and snow are prevented from accumulating under the heel, as they are apt to do under a flat heel or wear plate, such material being caused to work out of said concavity at every step when the foot is set down.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

The herein-described improved wear-plate for boots and shoes, consisting of a frame, A, adapted to fit upon the heel, provided with perforations D, sharp edges C, and beveled to form a concavity, B, on its outer wearing-surface, as set forth.

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

DANIEL B. WATKINS.

Witnesses:

R. P. GROAT,  
M. I. GREENWOOD.