(No Model.)

C. DONEY.

HEEL PLATE.

No. 382,694. Patented May 15, 1888.

Fig. 1.

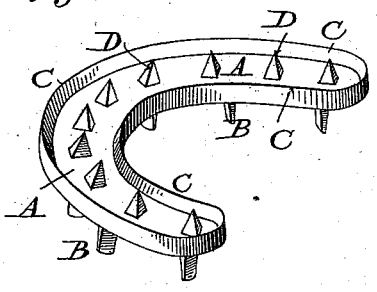
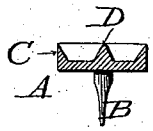


Fig. 2.



Witnesses:
James F. Duhamel.
Horace A. Dodge.

Charles Doney.
Inventor;
by Dodges & Sons,
his Attys.

UNITED STATES PATENT OFFICE.

CHARLES DONEY, OF OTTAWA, ONTARIO, CANADA.

HEEL-PLATE.

SPECIFICATION forming part of Letters Patent No. 382,694, dated May 15, 1888.

Application filed January 20, 1888. Serial No. 261,429. (No model.) Patented in Canada December 22, 1887, No. 28,226.

To all whom it may concern:

Be it known that I, CHARLES DONEY, residing at Ottawa, in the county of Carleton, Province of Ontario, Dominion of Canada, have invented certain new and useful Improvements on Heel-Plates for Boots or Shoes, (for which I have received Letters Patent of the Dominion of Canada, dated December 22, 1887, No. 28,226,) of which the following is a description.

This invention relates to that class of heel-plates adapted to be applied to the face of or countersunk into the heel of a boot or shoe; and the invention consists of a heel-plate provided with a sharp rim projecting from the exterior of its face along its edges and with calks between the rims.

In the drawings, Figure 1 is a perspective view of my improved heel-plate, and Fig. 2 a sectional view of the same.

A indicates a plate, which is provided on its under face with a series of pins or spurs, B, by which it may be secured to the boot or shoe; or the pins or spurs may be omitted and the plate provided with one or more holes to receive screws which shall pass through the plate and into the heel. These two methods of fastening the plate to the heel are common, and no claim is made by me herein to any special means for fastening the plate in position.

On its outer face the plate A is provided along each edge with a projecting rim or flange, C, the edges of which are quite sharp, as will be seen upon reference to Fig. 2. Between the rims the plate is provided with a number of calks, D, which will preferably be pyramidal and have sharp points, which extend upward from the plate to the same height as the rims C.

From the foregoing construction it will be seen that slipping is rendered practically impossible, as the sharp edges of the rims and the calks embed themselves into the ice.

I am aware of British Patent No. 904 of 1858, in which is shown and described a heel-plate for boots or shoes having along its edges a flat raised rim, and such a construction I disclaim.

Having thus described my invention, what I claim is—

The improved heel-plate herein described, having a sharp rim along its edges and sharp calks between the rims, the calks being approximately of the same height as the rims.

Ottawa, January 14, 1888.

CHARLES DONEY.

Witnesses:
E. HASTEY,
RICHD. DONEY.