

No. 898,118.

PATENTED SEPT. 8, 1908.

J. LIDEN.
HEEL PLATE.

APPLICATION FILED JAN. 20, 1908.

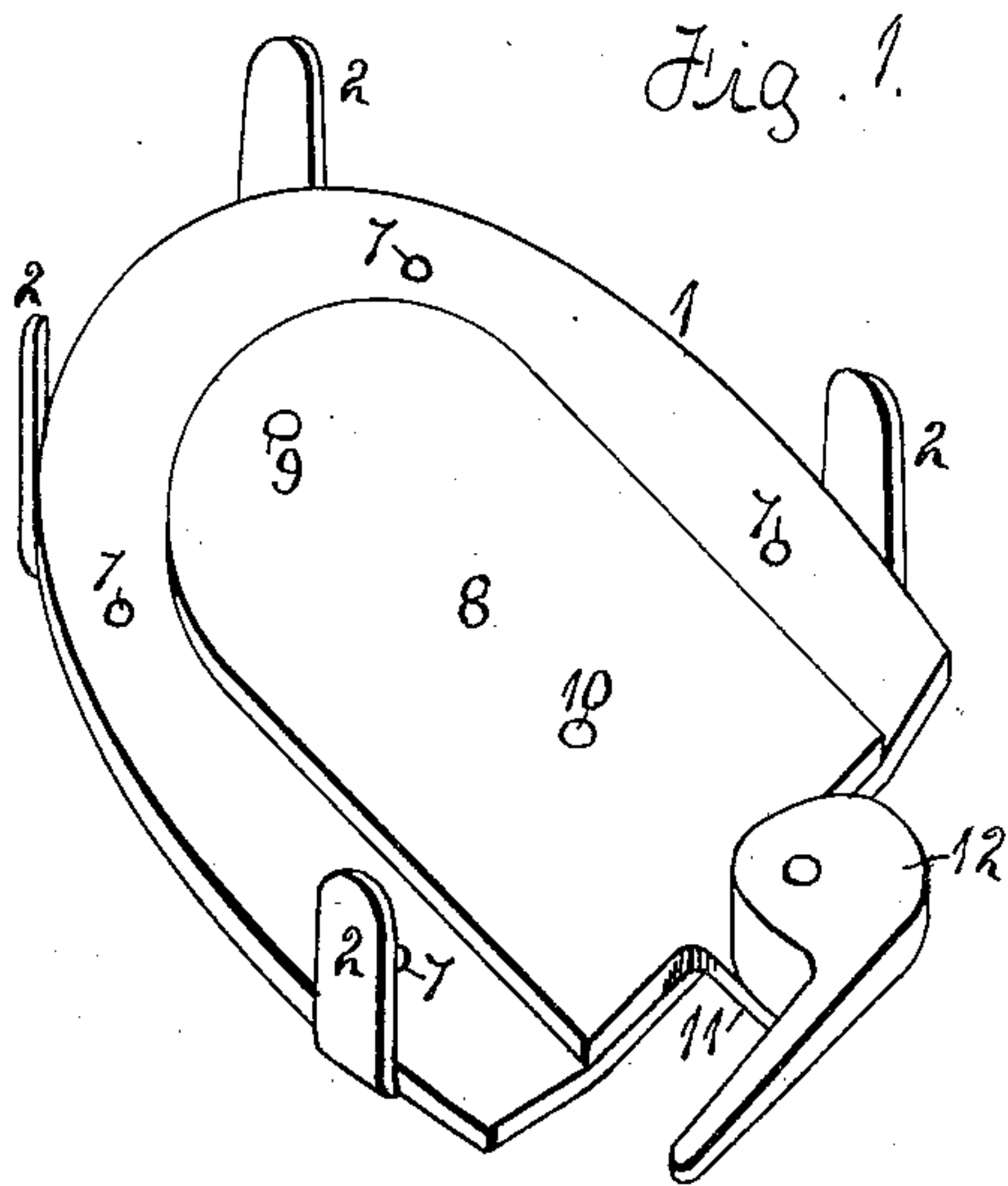


Fig. 3.

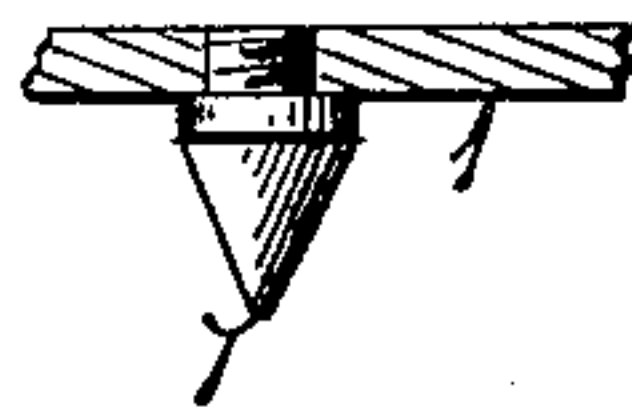
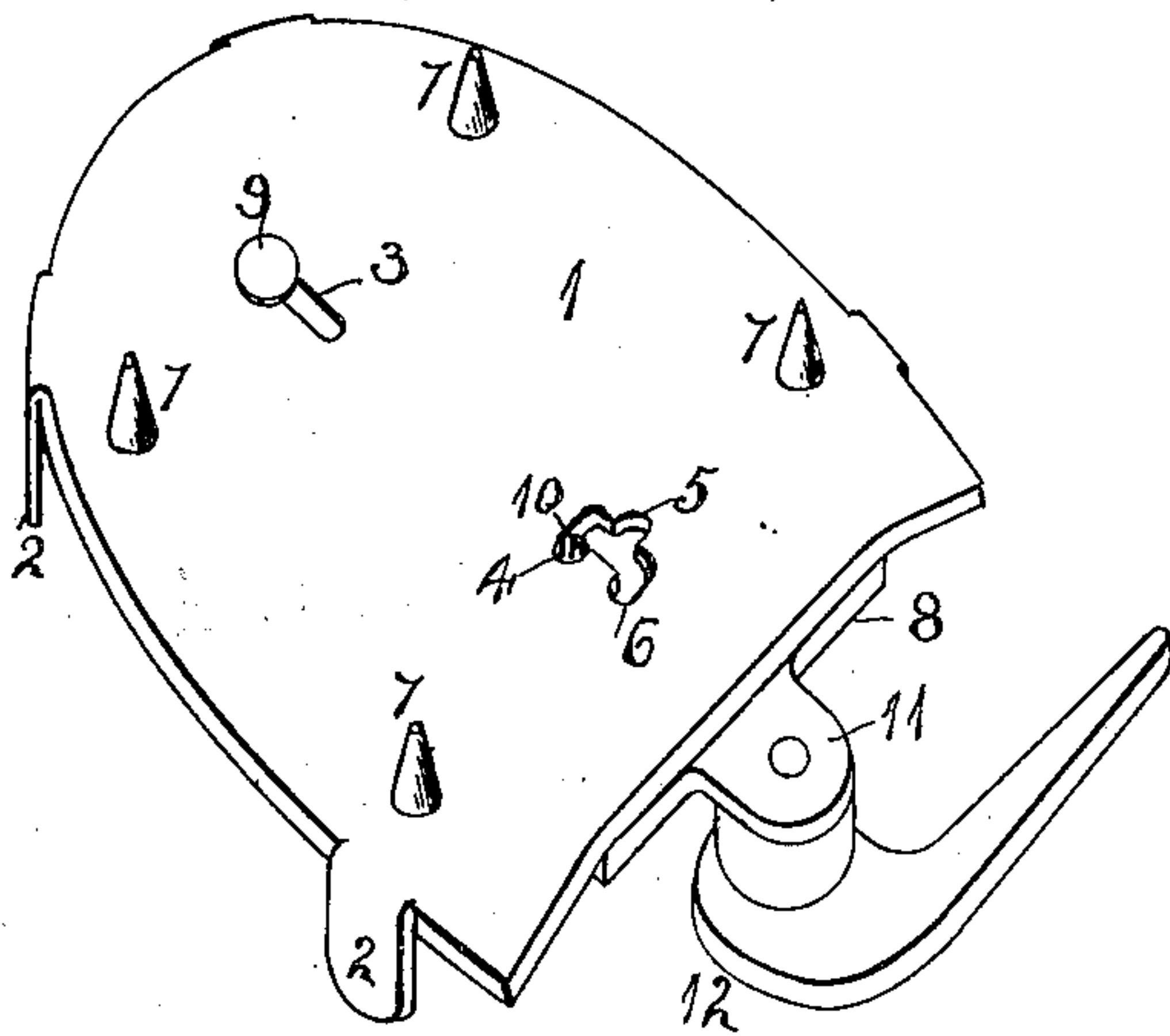


Fig. 2.



Witnesses:
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UNITED STATES PATENT OFFICE.

JOSEPH LIDEN, OF ROCKFORD, ILLINOIS.

HEEL-PLATE.

No. 898,118.

Specification of Letters Patent.

Patented Sept. 8, 1908.

Application filed January 20, 1908. Serial No. 411,794.

To all whom it may concern:

Be it known that I, JOSEPH LIDEN, a citizen of the United States, residing at Rockford, in the county of Winnebago and State of Illinois, have invented certain new and useful Improvements in Heel - Plates, of which the following is a specification.

The object of this invention is to construct a plate to be attached to the heels of boots and shoes, said plate provided with prongs which prevent the wearer of the plate from slipping on slippery walks and adapted more especially for winter use.

In the accompanying drawings. Figure 1 is a perspective view of my improved heel plate as seen from its inner face. Fig. 2 is a perspective view of the plate as seen from its outer face. Fig. 3 is a section through the plate showing one of the removable prongs.

The base plate 1 is of a size and shape to conform to the heel of a boot or shoe to which it is to be attached. This plate has four upturned lips 2 which are designed to embrace the outer edge of the heel. This base plate is provided with a slot 3 and a plurality of recesses 4, 5 and 6. To the underface of this base plate are removably secured four pointed prongs 7, each having a screw thread engagement with the plate, as shown at Fig. 3, in order that new ones may be inserted in place of the worn ones.

A clamping plate 8 is held in connection with the base plate 1 by a rivet 9 extending through the slot 3, and a rivet 10 located in one of the recesses 4, 5, and 6. From the clamping plate 8 extends a projection 11 to which is pivotally connected a cam-shaped clamping lever 12. In placing the heel

plate in connection with the heel of a boot or shoe, the upturned lips embrace the outer surface of the heel. The clamping plate 8 is adjusted lengthwise of the base plate to bring the cam face of the clamping lever 12 in contact with the front edge of the heel. The lever is then turned which will force the two rear lips against the rear face of the heel which will hold the base plate in position in connection with the heel. As a single movement of the cam lever will release the plate from the heel, it is as readily detached and may be worn only in slippery weather.

I claim as my invention.

A heel plate comprising a base plate of a shape to approximately cover the heel, and formed with side and end upwardly extending lips and depending prongs, a clamping plate overlying the base plate and having a portion extending beyond the inner end of the base plate, a cam lever pivotally connected to the projection of the clamping plate and adapted to contact with the inner end of a heel, the base plate provided with a slot and a stud carried by the clamping plate located in the slot, the base plate formed with a slot having depressions located in opposite faces and a stud supported by the clamping plate adapted to enter any one of the depressions.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

JOSEPH LIDEN.

Witnesses:

A. O. BEHEL,
E. D. E. N. BEHEL.