

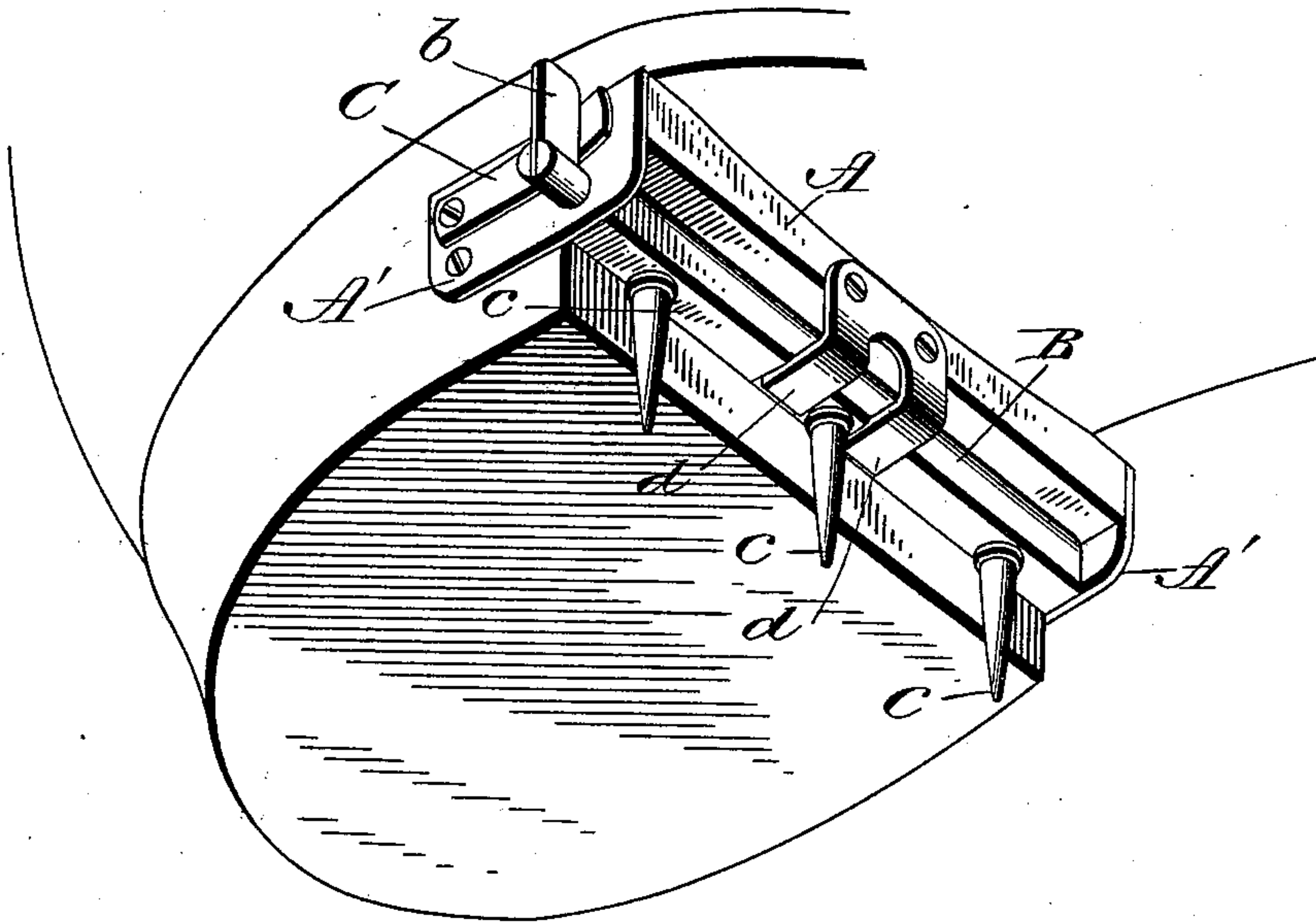
(No Model.)

J. K. FOY.  
ICE CREEPER.

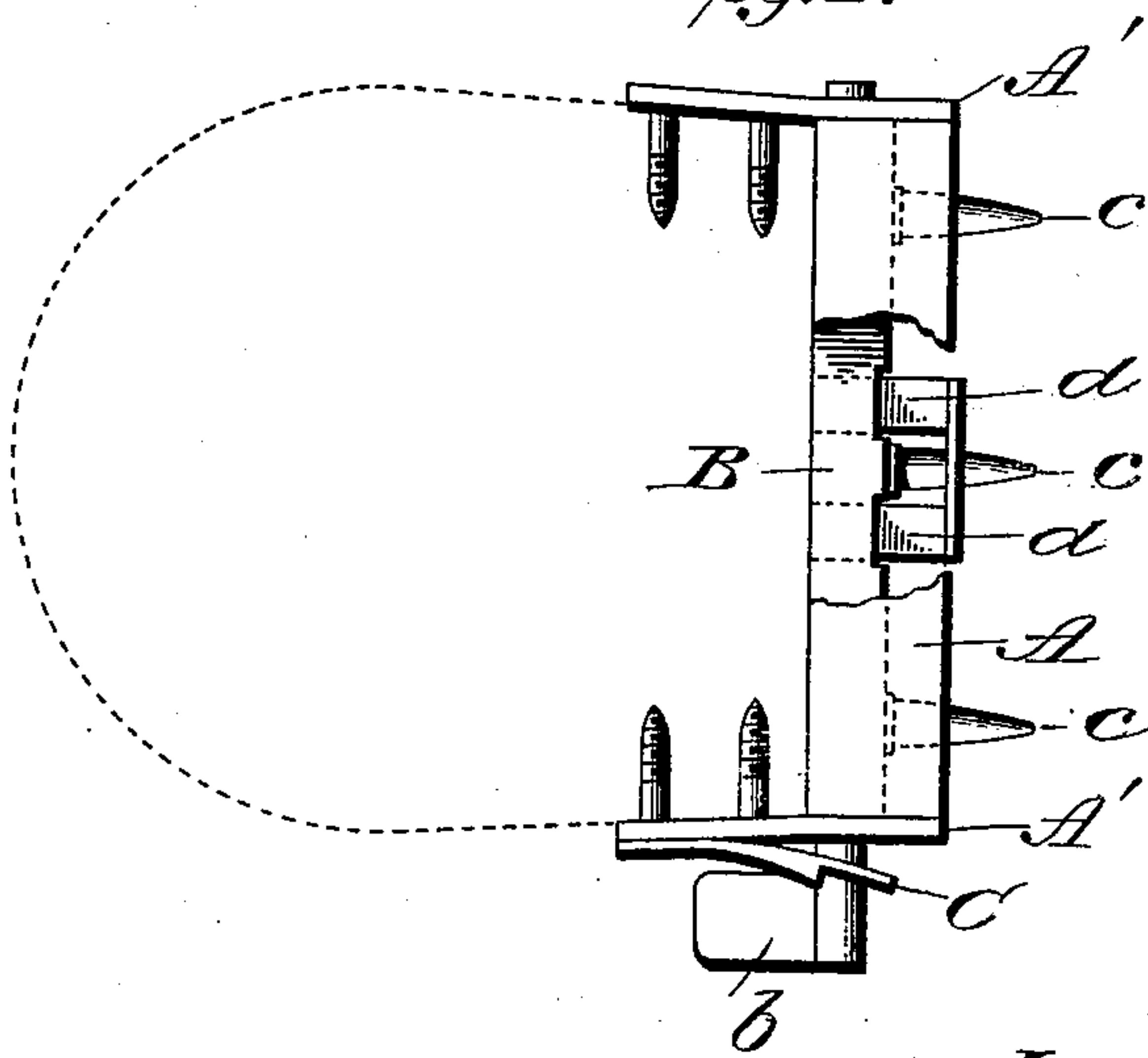
No. 512,608.

Patented Jan. 9, 1894.

*Fig. 1.*



*Fig. 2.*



WITNESSES

*L. S. Elliott,*  
*W. Johnson*

*John K. Foy.*  
INVENTOR

— by *[Signature]* Attorney

# UNITED STATES PATENT OFFICE.

JOHN K. FOY, OF GARDINER, MAINE.

## ICE-CREEPER.

SPECIFICATION forming part of Letters Patent No. 512,608, dated January 9, 1894.

Application filed April 6, 1893. Serial No. 469,294. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN K. FOY, a citizen of the United States of America, residing at Gardiner, in the county of Kennebec and State of Maine, have invented certain new and useful Improvements in Ice-Creepers for Boots or Shoes; 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 appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

This invention relates to improvements in ice-creepers; and it consists in the construction and combination of the parts, as will be hereinafter fully set forth, and particularly pointed out in the claims.

The object of the invention is to provide an ice-creeper which can be readily attached to the heel of a boot or shoe, so that the spurs or points may be positioned to project beyond the heel when in use or turned on a line with the shank of the shoe when not in use.

In the accompanying drawings, forming part of this specification, Figure 1 is a perspective view showing my improved ice-creeper attached to the heel of a boot, the spurs or points being thrown beyond the heel or in a position for use, and Fig. 2 is a plan view.

A designates a cross-bar or plate, which is concave on its upper edge so as to better fit or lie against the shank of the shoe adjacent to the heel. To the ends of this cross-bar are rigidly secured plates A' in which are apertures to receive the screws or nails which secure the cross-bar and plates in proper position in front of the heel. The plates A' are also apertured to receive a turning-bar B, the ends of said turning bar, which bear in the apertures, being circular while the intermediate portion, between the plates, is rectangular. One end of this turning-bar projects considerably beyond the plate through which it passes and is provided with a lever *b* which engages with a spring catch C attached to the plate A', and when the le-

ver is in such engagement the turning-bar to which it is secured will be positioned to project the spurs or points *c c* beyond the heel or in a position for use. The turning-bar is preferably provided with three or more spurs or points, and upon each side of the central spur it is recessed to receive spring fingers *d d* which are secured to the cross-bar A, and these fingers bear upon the flat sides of the turning bar to hold the same in the position in which the spurs or points are parallel with the shank of the shoe and to assist in holding the spurs or points projected.

I am aware that prior to my invention it has been proposed to provide a boot or shoe with ice-creepers which consist in part of a plate having spurs which are adapted to be turned so that the plate will lie against the side of the heel when in a position for use, or turned so that the spurs will lie against the shank of the shoe, and I therefore do not claim broadly an ice-creeper with spurs which are adapted to be projected beyond the heel or turned to lie against the shank of the shoe. It will be noted that in my device in walking up hill the spurs cannot turn down, and that said spurs are at all times located forward of the straight portion of the heel, in which position they are well protected.

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

1. An ice creeper consisting of a cross-bar curved on its upper face to bear upon the shank of the boot or shoe, said bar having rigidly attached thereto plates which extend rearwardly and downwardly, a rectangular turning bar journaled in the depending portion of the plates, said turning bar having a flat side from which project spurs, and a bent spring carried by the cross-bar for engagement with the lower side of turning bar, substantially as shown, and for the purpose set forth.

2. An ice-creeper consisting of a cross-bar having plates rigidly secured to its ends by means of which it is attached to the heel of a boot or shoe, one of the plates carrying a spring catch, a rectangular turning-bar pro-



vided with spurs, one end of said turning-  
bar having a lever secured thereto which is  
adapted to engage the spring catch, and spring  
fingers attached to the cross-bar and adapted  
5 to bear against the flat surfaces of the turn-  
ing-bar, substantially as shown, and for the  
purpose set forth.

In testimony whereof I affix my signature in  
presence of two witnesses.

JOHN K. FOY.

Witnesses:

O. B. CLASON,  
WM. C. ATKINS.