No. 741,349. PATENTED OCT. 13, 1903

M. P. LINK.

ICE SPUR OR CREEPER.

APPLICATION FILED JUNE 19, 1903.

NO MODEL.

Fig. 1.

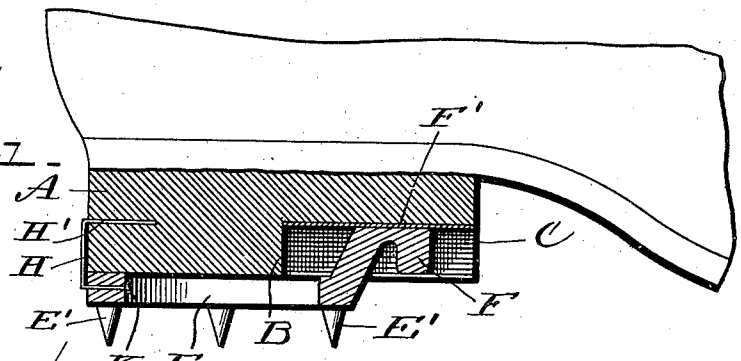


Fig. 2.

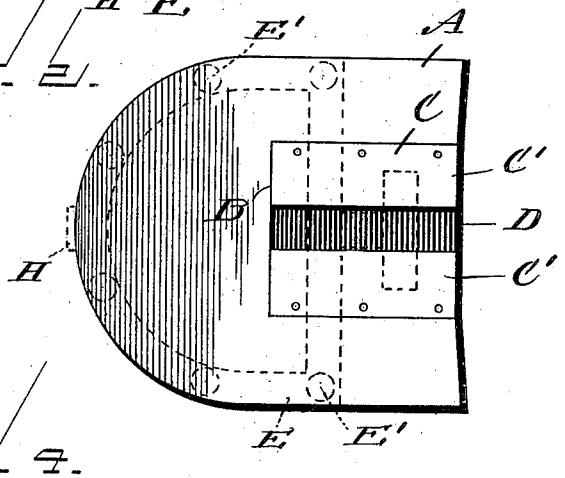


Fig. 4.

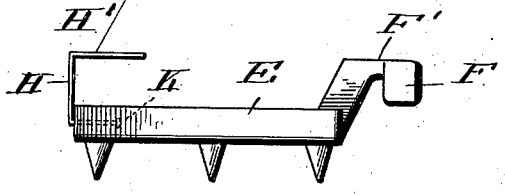
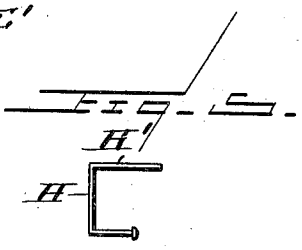


Fig. 5.



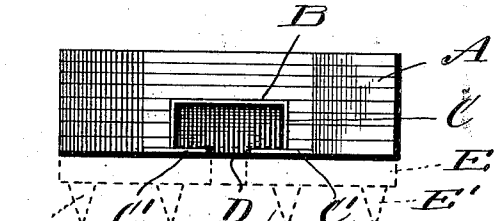


Fig. 3.

WITNESSES:

W. F. Doyle

A. L. Young

INVENTOR

M. P. Link,

BY Franklin W. Hough

Attorney

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

No. 741,349. Patented October 13, 1903.

UNITED STATES PATENT OFFICE.

MICHAEL P. LINK, OF BENNETT, PENNSYLVANIA.

ICE SPUR OR CREEPER.

SPECIFICATION forming part of Letters Patent No. 741,349, dated October 13, 1903.

Application filed June 19, 1903. Serial No. 162,270. (No model.)

To all whom it may concern:

Be it known that I, MICHAEL P. LINK, a citizen of the United States, residing at Bennett, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Ice Spurs or Creepers; and I do 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 the letters of reference marked thereon, which form a part of this specification.

This invention relates to new and useful improvements in ice-creepers for heels of shoes, and comprises a spur-plate adapted to be adjustably held to a heel of the shoe and so arranged that the same may be removed from a socket-piece holding the same to the heel of the shoe when not in use.

The invention consists, further, in various details of construction and in combinations and arrangements of parts, which will be hereinafter fully described and then specifically defined in the appended claims.

My invention is illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this application, and in which drawings the letters indicate like parts in the several views, in which—

Figure 1 is a vertical section through a heel and a spur-plate secured thereto. Fig. 2 is a bottom plan view of the heel, showing the spur-plate in dotted lines. Fig. 3 is a front edge view of the heel, showing a form of socket-piece for holding the plate. Fig. 4 is an edge view of the plate, and Fig. 5 is a detail view of the spring for holding the plate in place.

Reference now being had to the details of the drawings by letter, A designates a heel of the shoe in which is the recess B, and C designates a socket-piece substantially U-shaped in cross-section which is seated in said recess and has flanges C′ which project from the opposite edges of the recess, forming a central slot D, through which access is had to said socket-piece.

E designates the spur-plate, which may be of any desired shape and is provided with spurs E′, projecting from one face thereof. The shank portion of said spur-plate is disposed at an inclination, as shown in the edge view, and has a cross-bar F at one end thereof designed to engage underneath the overhanging flanges C′ of the socket-piece C and to retain said spur-plate in place. A portion of the spur-plate is flattened at F′, adapted to bear against the bottom of the recessed socket-piece C, as shown in the vertical section of the drawings, and H designates a spring one end of which is bent, as shown, and one end is fastened to a rivet K upon the spur-plate, while this other end, which is horizontally disposed, is designed to engage the leather of the heel and hold the rear of the plate in the position shown in Fig. 1 of the drawings.

It will be observed that the spur-plate will have a longitudinal movement in adjusting the same to the heel, and by withdrawing said horizontally-disposed portion H′ from the heel the rear end of the plate may be disconnected from the recessed plate C and the spur-plate removed by pushing the opposite end out from underneath the flanges C′, thus making the device easily adjusted to a heel, rendering it possible to easily remove the same when not in use.

While I have shown a particular construction of apparatus embodying my ice-creeper, it will be understood that I may make alterations in the construction of the same without departing from the spirit of the invention.

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

1. An ice-creeper for shoes comprising in combination with a shoe-heel, recessed at one edge thereof and provided with a flanged socket-piece seated in said recess, the inner edges of the flanges overhanging the recess and forming a slot, a spur-plate having a shank portion terminating at one end in a cross-bar adapted to engage said flanges and provided with spurs on its outer face, and a spring secured to the rear end of the spur-plate adapted to engage the heel of the shoe, as set forth.

2. An ice-creeper for shoes, comprising in combination with a recessed heel, a socket-piece seated in said recess and having over-

hanging flanges forming a slot intermediate the same, a spur-plate having a shank portion which terminates in a cross-bar designed to engage the under faces of said flanges, a portion of said shank portion being flattened at F′ and disposed in a plane parallel to the spur-carrying portion, and an angular spring fastened at one end to the rear end of the spur-plate and having a horizontally-disposed portion adapted to engage the heel, as set forth.

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

MICHAEL P. LINK.

Witnesses:
C. J. WEITERSHAUSEN,
W. G. WEITERSHAUSEN.