

*T. Symonds,
Ice Creeper.*

N^o 50512.

Patented Oct. 17, 1865.

Fig. 1.

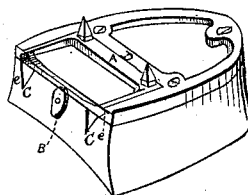


Fig. 2.

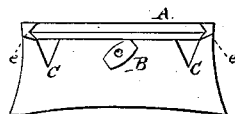


Fig. 3.

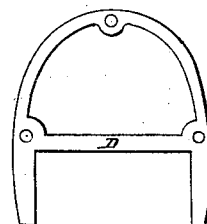
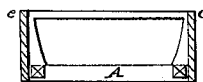


Fig. 4.



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UNITED STATES PATENT OFFICE.

THOMAS SYMONDS, OF PORTLAND, MAINE.

IMPROVED ICE-CREEPER.

Specification forming part of Letters Patent No. 50,512, dated October 17, 1865.

To all whom it may concern:

Be it known that I, THOMAS SYMONDS, of Portland, in the county of Cumberland and State of Maine, have invented a new and Improved Ice-Creeper; and I hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 represents a perspective view of a boot or shoe heel with my invention thereto attached; Fig. 2, an end view of the same; Fig. 3, the fixed frame to be attached to the heel; Fig. 4, the sliding frame with the spurs.

The object of my invention is to produce an ice-creeper that can be easily adjusted and be securely retained on the heel in such manner as to be completely out of the way when not in use.

My invention consists in providing a rectangular sliding frame or plate with spurs, and in constructing and attaching to the heel of a boot or shoe a rim having a groove, in which the frame or plate moves.

It further consists in fastening to the forward end of the heel a button to hold the sliding frame in position. The frame in its place on the heel is shown at A, Fig. 1, and the but-

ton at B. C C represent two recesses cut in the forward end of the heel.

When the creeper is to be used the frame is placed in the grooves, so that the end thereof bearing the spurs shall first enter the grooves, but otherwise the position of the frame is reversed, with the spurs turned toward the shank of the boot or shoe, in which case the spurs will fit into the recesses C C. In either position the frame is securely held by the button and the bar D. The frame is fitted with two slides, which fill the grooves in the rim. The grooves and slides are represented at *ee* and the slides at *c*, Fig. 4.

My invention can be made of any proper metal, and the spurs of steel. The rim may be secured to the heel in any convenient mode.

What I claim as my invention, and desire to secure by Letters Patent, is—

The combination of the sliding frame A, the grooves *ee*, the slides *cc*, the button B, and the bar D, all as and for the purposes described.

THOMAS SYMONDS.

Witnesses:

WILLIAM H. CLIFFORD,
HENRY INMAN.