

(No Model.)

C. COOPER.
ICE CREEPER.

No. 425,093.

Patented Apr. 8, 1890.

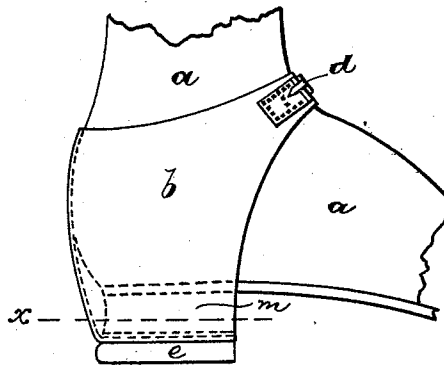


Fig. 1.

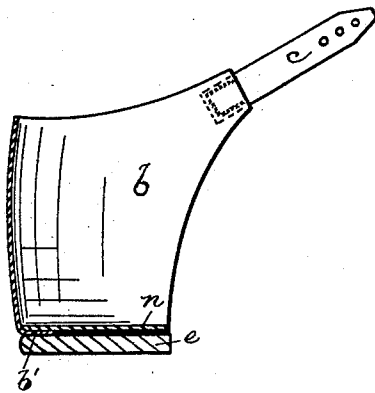


Fig. 2.

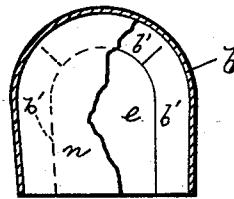


Fig. 3.

WITNESSES:

Alfred Sartorius
E. C. Sherman

INVENTOR:

Charles Cooper,

BY *Wm. B. Cooper*

ATTY'S.

UNITED STATES PATENT OFFICE.

CHARLES COOPER, OF NEWARK, NEW JERSEY.

ICE-CREEPER.

SPECIFICATION forming part of Letters Patent No. 425,093, dated April 8, 1890.

Application filed March 13, 1889. Serial No. 303,136. (No model.)

To all whom it may concern:

Be it known that I, CHARLES COOPER, a citizen of the United States, residing at Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Ice-Creepers; 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.

The object of this invention is to avoid the use of metal nails or points in ice-creepers, which soon wear smooth and become ineffective, and to produce a creeper of small cost, easily attached and detached from a boot, and one that is not injurious to carpets when worn in a house.

The invention consists in the improved ice-creeper and the combination and arrangement of parts thereof, as will be hereinafter more fully described, and finally embodied in the clauses of the claim.

Referring to the accompanying drawings, in which like letters of reference indicate corresponding parts in each of the several figures, Figure 1 is a side view of the rear portion of a boot or shoe with my improved ice-creeper attached. Fig. 2 is a central vertical section of the creeper and holder detached from the boot; and Fig. 3 is a section of the holder only through line *x*, Fig. 1, showing the inner heel broken away to show the manner of attaching the creeper.

In said drawings, *a* represents the rear portion of the boot or shoe. *b* is a holder surrounding the rear and side portions of the heel *m*. *c* is a strap of ordinary construction secured to one portion of the holder, and *d* is a buckle secured to the other portion, and in which the strap works to bind the holder to the boot. The lower edges of the holder

are turned under, as shown at *b'*, Figs. 2 and 3, and upon the upper or inner sides of these pieces is secured an inner heel-piece *n*. To the bottom or heel of the holder as thus formed is secured a creeper *e* a little larger than the heel of the boot, as shown in Figs. 1 and 2.

In carrying out my invention I first cut a holder from a piece of cloth or any desired material or a "counter" of the contour and shape of a shoe-counter, with end extensions to clasp around the ankle portion of the boot, as shown in Fig. 1. The lower or heel portions of the holder are then turned inward, and upon the upper surface is cemented an inner heel portion as a stiffener and support, made preferably from the same material as the holder. To the bottom or outside of the heel portion is then secured by rubber or other waterproof cement a heel piece or creeper made of felt or other textile material.

Creepers constructed in this form are easily applied to a boot, are light, and can be worn in the house without any injury to carpets or floors, as ordinarily occurs when metallic points or roughened surfaces are used.

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

As an improved article of manufacture, an ice-creeper consisting of a holder or counter *b*, of felt or cloth, with lower edges turned inward, to the inner sides of which is secured an inner heel-piece of felt or cloth, and to the outer and lower portion a felted or textile heel-piece, substantially as set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 7th day of March, 1889.

CHARLES COOPER.

Witnesses:

OLIVER DRAKE,
E. L. SHERMAN.