

C. F. WEST.
ICE CREEPER.
APPLICATION FILED OCT. 19, 1910.

1,001,182.

Patented Aug. 22, 1911.

Fig. 1.

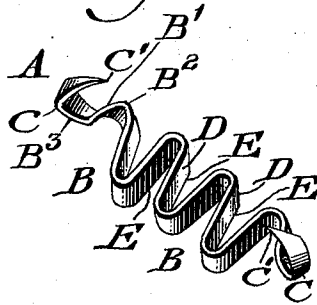


Fig. 2.

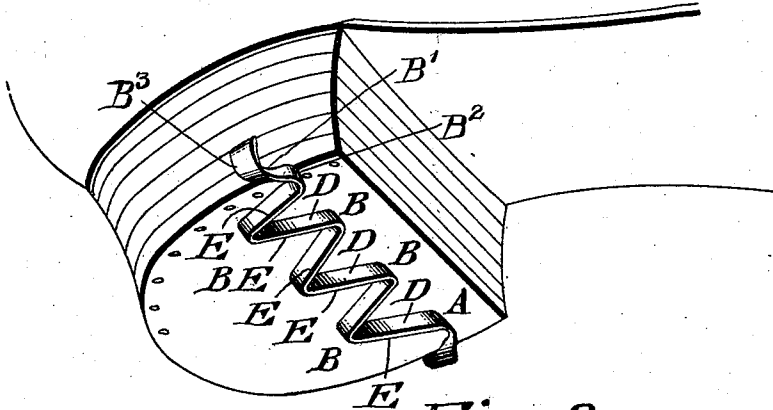
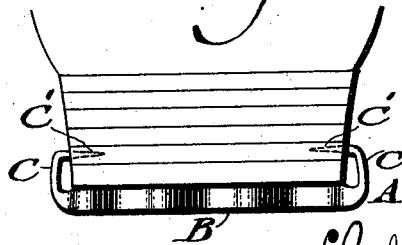


Fig. 3.



WITNESSES

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CHARLES F. WEST, OF PHILADELPHIA, PENNSYLVANIA.

ICE-CREEPER.

1,001,182.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, CHARLES F. WEST, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Ice-Creeper, of which the following is a specification.

My invention consists of an ice creeper having a body formed of a flat bar or strip of metal or material bent into a plurality of angular members continuous with each other, and spurs on the terminals of the bar or strip for shoe attaching purposes, said members presenting numerous angles and faces of considerable length to the ice or snow and thus effectively preventing slipping of the shoe.

For the purpose of explaining my invention, the accompanying drawing illustrates a satisfactory reduction of the same to practice, but the important instrumentalities thereof may be varied, and so it is to be understood that the invention is not limited to the specific arrangement and organization shown and described.

Figure 1 represents a perspective view of an ice creeper embodying my invention. Fig. 2 represents another perspective view of the same showing also a portion of a shoe to which the device is affixed. Fig. 3 represents a rear elevation of the device showing also a portion of a shoe to which the device is applied.

Similar letters of reference indicate corresponding parts in the figures.

Referring to the drawing:—A designates the ice creeper, the same having a body formed of a flat bar or strip of metal or material which is bent into a plurality of V-shaped members or limbs B, which are continuous with each other producing a zigzag shape in the transverse direction of the device. The bar is continued laterally from the extreme side limbs B forming the short limbs B', the bends B² of which are adapted to have the side edges of the heel rest thereon, and said limbs B' extend out from said edges so as to broaden the bottom surface of the creeper. Then the bar is twisted in horizontal direction as at B³ and

then upwardly and inwardly as at C, the terminals of the bar then being pointed forming the spurs C' which are adapted to pierce the sides of the sole or heel of a shoe and thereby hold the body in position thereon.

It will be seen that the members B stand in vertically on the shoe, and so present the flat faces D of the limbs thereof to the front to have ice and snow impact therewith, while the bottom edges E of said limbs are sharp and contact with the ice and snow and cut into the same. Furthermore, while the limbs are comparatively of the same length, and somewhat short, their angular, or diagonal, or oblique direction causes them to present long faces and edges to the ice and snow, causing the body to take greater hold on the ice and thus increase the non-slipping action of the device thereon.

Owing to the zigzag nature of the members B, the body is resilient in longitudinal direction so it may be expanded or stretched, by a suitable hook or other implement, whereby as the device from end to end is primarily shorter than the width of the sole or heel of a shoe, when the point of one spur is applied to either side of the heel or sole, the body is expanded or stretched and the point of the other spur may be passed over the opposite side of the heel or sole and located thereon. Then the body is let go whereby it contracts and so the last named spur engages with and pierces the heel or sole, the device thus being secured in operative position. When the body is again properly expanded, the spurs disengage from the heel or sole and the device is removed from the latter, as is evident.

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

1. An ice creeper having a body composed of an integral bar of the form of a series of V-shaped limbs, said bar having one edge adapted to rest against the tread of the heel or sole of a shoe and the other edge adapted to be presented to the ice, said bar having terminal portions inturned and

pointed to form inwardly directed spurs for engaging the sides of the heel or sole.

2. An ice creeper having a body composed of an integral bar of the form of a series of V-shaped limbs, said bar having
5 one edge adapted to rest against the tread of the heel or sole of a shoe and the other edge adapted to be presented to the ice, the

end portions of said bar being inturned and having means on their extremities for attachment to the sides of the heel or sole. 10

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Witnesses:

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,
Washington, D. C."