F. HERMAN.

ICE CREEPER.

APPLICATION FILED DEC. 11, 1917.

1,275,917.

Patented Aug. 13, 1918.

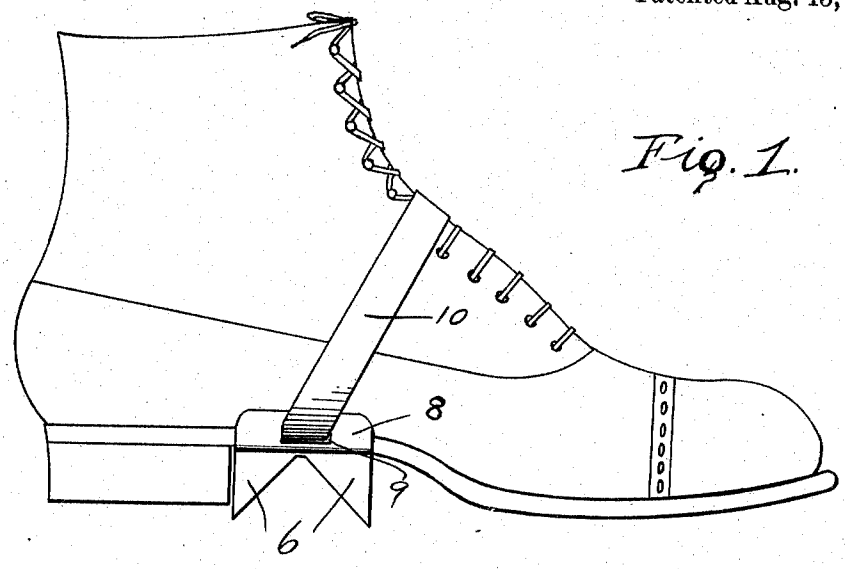


Fig. 1.

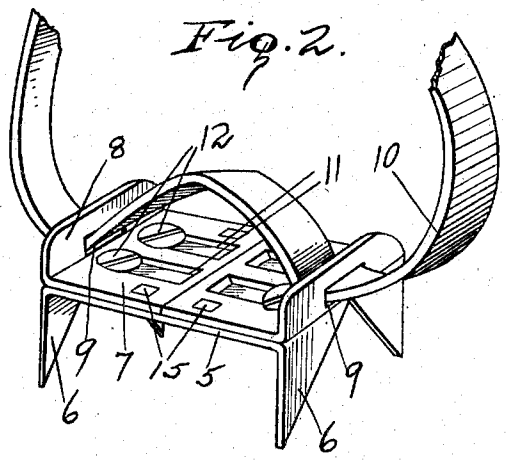


Fig. 2.

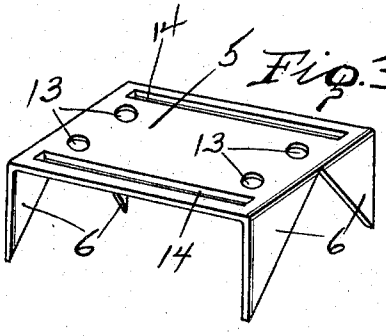


Fig. 3.

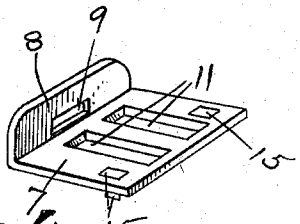


Fig. 4.

Witnesses

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UNITED STATES PATENT OFFICE.

FRED HERMAN, OF SHENANDOAH, PENNSYLVANIA.

ICE-CREEPER.

1,275,917. Specification of Letters Patent. Patented Aug. 13, 1918.

Application filed December 11, 1917. Serial No. 206,679.

To all whom it may concern:

Be it known that I, FRED HERMAN, a citizen of the United States, residing at Shenandoah, in the county of Schuylkill, State of Pennsylvania, 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.

This invention is an improvement in shoe attachments and has particular reference to an ice creeper.

An object of the invention is the provision of a simple and improved device which may be readily and easily attached to and detached from a shoe and which will be securely maintained in its operative position.

The inventive idea involved is capable of receiving a variety of mechanical expressions, one of which for the purpose of illustrating the present invention, is shown in the accompanying drawing, wherein:—

Figure 1 is a side elevation of the device applied to a shoe.

Fig. 2 is a perspective view of the device with the parts assembled.

Fig. 3 is a similar view of the base member.

Fig. 4 is a similar view of one of the adjustable clamping members.

The accompanying drawing illustrates what is now believed to be a preferred form of the device which comprises a base member or plate 5 of substantially rectangular formation and having at each end thereof a pair of spurs or cleats 6.

A pair of complemental clamping elements 7 are adjustably mounted upon the upper surfaces of the base plate 5 and each element 7 has at its outer end an upturned flange 8 having a slot 9 therein which alines with the slot in the flange of the other element, said slots receiving a fastening strap 10. In order to adjust the clamping elements 7 relative to each other and to the base plate 5, said members are each provided with spaced parallel slots 11 extending transversely to the flange 8 thereof and adapted to receive the screw fasteners 12, the screw threaded ends of which are mounted in openings 13 in said base plate 5. Through this construction it will be apparent that the clamping elements 7 may be adjusted toward and away from and secured in their adjusted positions.

In order to guide the clamping elements during their adjustment so that the flanges 8 will be at all times maintained in parallel relation, the base plate 5 is provided with a pair of elongated slots 14 arranged adjacent the transverse edges of said base plate and adapted to receive the guide pins 15 carried by the clamping elements 7 adjacent the inner edges thereof.

In practice, the device is mounted in position under the instep of a shoe with the flanges 8 in engagement with the sole of the instep and the fastening strap 12 passed around and secured to the shoe, as shown in Fig. 1. It will thus be seen that the invention provides an ice creeper which will be securely maintained in position on a shoe and which may be commercially produced at a minimum cost.

What is claimed is:—

A device of the class described comprising a base plate adapted to engage under the instep of a shoe and having spurs at each end, a pair of coöperating clamping elements adjustably mounted upon the top of said base plate and interposed between the same and the sole of the shoe and having aperture disk sole engaging flanges at the outer ends thereof, the combined areas of said clamping elements being substantially equal to that of the top of the base plate, each of said clamping elements also having slots extending transversely of said flanges, fastening devices extending through said slots and engaging said base plate for retaining said clamping elements in adjusted positions, and a fastening strap having its intermediate portion extended through the apertures in said flanges and across the top of said clamping elements.

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

FRED HERMAN.

Witnesses:
THOMAS WILSON,
ENOCH BORIS.

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