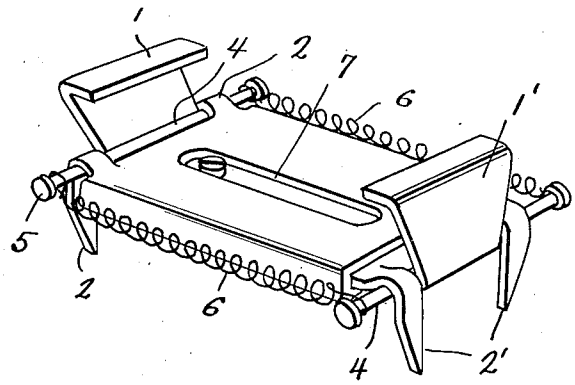
Feb. 8, 1938. A. OETTERER 2,107,617

ADJUSTABLE ICE CREEPER

Filed June 24, 1937

Fig. 1.



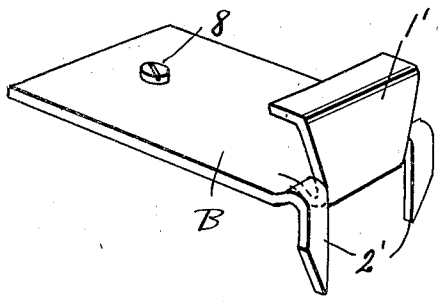


Fig. 2.

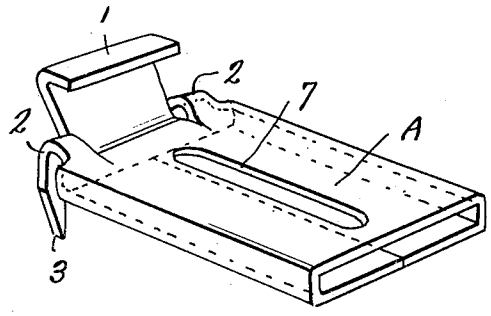


Fig. 3.

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ADJUSTABLE ICE CREEPER

Alvin Oetterer, Hermann, Mo.

Application June 24, 1937, Serial No. 150,197

3 Claims. (Cl. 36—62)

This invention relates to an ice creeper, the general object of the invention being to provide a pair of telescopic members having clamps for engaging parts of a shoe and points for engaging a pavement or other surface to prevent the wearer from slipping on said surface, together with spring means for causing the clamps to engage parts of the shoe.

This invention also consists in certain other features of construction and in the combination and arrangement of several parts, to be hereinafter fully described, illustrated in the accompanying drawing and specifically pointed out in the appended claims.

In describing the invention in detail, reference will be had to the accompanying drawing wherein like characters denote like or corresponding parts throughout the several views, and in which:—

Figure 1 is a perspective view of the device.

Figure 2 is a perspective view of the inner member.

Figure 3 is a perspective view of the outer member.

In this drawing the outer member is shown at A and the inner member at B, the outer member being made in the shape of a hollow rectangular body having its ends open to receive the rectangular body part of the member B as shown in Figure 1. The upper wall of the member A at its outer end is formed with an extension which is cut and bent to form the wide clamp part 1 and the two downwardly extending hooks 2, one at each side of the part 1 and the lower ends of these hooks are pointed as at 3 to penetrate ice or snow on a surface so as to prevent the wearer of the device from slipping on said surface. The part 1 extends upwardly and outwardly and then is bent inwardly to provide a substantially horizontal part for engaging the edge of a shoe sole or other part of a shoe.

A similar clamping part 1' and downwardly extending hooks 2' are formed on the outer end of the member B and a rod 4 extends across the outer end of each member A and B and said rod is held in place by the clamp and hooks as shown, the lower end of the clamp and the upper portions of the hooks being rounded to receive parts of the rod and the parts are pressed tightly against the rod to hold it in place. Each rod has both ends provided with heads 5 and and spring 6 is arranged at each side of the member A and has its ends fastened to the rods as shown. Of course, these springs will tend to hold the device contracted and to hold the clamps 1 and 1' in engagement with opposite sides of the sole or other part of a shoe so that the device is held to the shoe and is adjustable for different sizes of shoes. A centrally arranged longitudinally extending slot 7 is formed in the upper wall of the member A and the head of a screw 8, threaded in a hole in the member B, operates in this slot and prevents the two members from being entirely separated until the screw is removed from the member B.

Thus it will be seen that I have provided a simple device which can be readily attached to shoes of different sizes and one which can be easily removed by simply drawing the two members apart to release the clamps 1 and 1' from the shoe. The points will penetrate snow or ice on a surface on which the user is walking and thus prevent him from slipping on a slippery surface. The device can be manufactured to sell at low cost.

It is thought from the foregoing description that the advantages and novel features of the invention will be readily apparent.

It is to be understood that changes may be made in the construction and in the combination and arrangement of the several parts, provided that such changes fall within the scope of the appended claims.

What is claimed as new is:—

1. A device of the class described comprising a pair of members telescopically arranged, a clamp on the outer end of each member, downwardly extending points on the outer ends of said members, transversely extending rods supported by the outer ends of said members and springs connecting the rods together.

2. A device of the class described comprising a pair of members, one member being of hollow construction to slidingly receive a portion of the other member, each member having an upwardly extending clamping part at its outer end and a pair of downwardly extending pointed parts at the outer end, one on each side of the first-mentioned part, a rod passing across the outer end of each member and held in position by the three parts, and springs connecting the ends of the two rods together.

3. A device of the class described comprising a pair of members, one member being of hollow construction to slidingly receive a portion of the other member, each member having an upwardly extending clamping part at its outer end and a pair of downwardly extending pointed parts at the outer end, one on each side of the first-mentioned part, a rod passing across the outer end of each member and held in position by the three parts, springs connecting the ends of the two rods together, a slot in the outer member and a projection on the inner member operating in said slot.

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