P. J. PINTO.

ICE CREEPER.

APPLICATION FILED AUG. 19, 1915.

1,175,660. Patented Mar. 14, 1916.

Fig. 1.

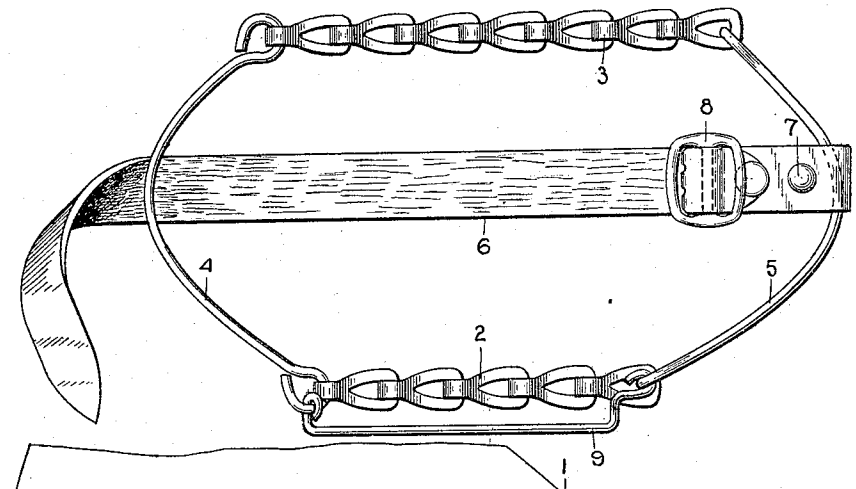


Fig. 2.

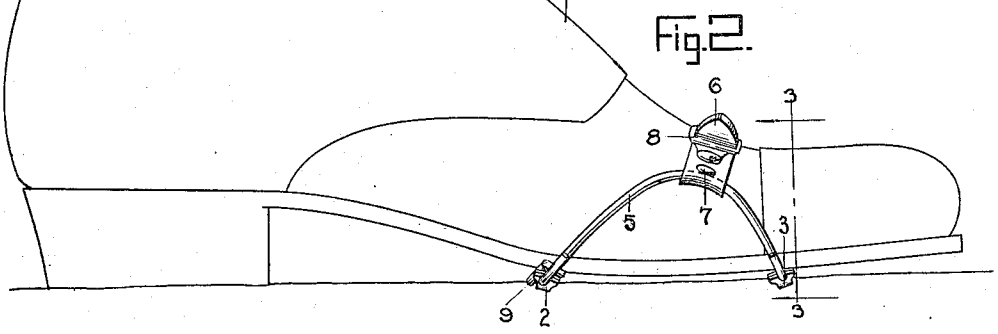
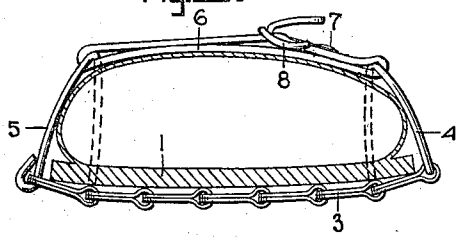


Fig. 3.



WITNESSES

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ICE-CREEPER.

1,175,660. Specification of Letters Patent. Patented Mar. 14, 1916.

Application filed August 19, 1915. Serial No. 46,397.

To all whom it may concern:

Be it known that I, PETER J. PINTO, a citizen of the United States, and a resident of the city of New York, borough of Manhattan, in the county and State of New York, have invented a new and Improved Ice-Creeper, of which the following is a full, clear, and exact description.

This invention relates to an improved ice creeper or non-slipping device for use upon the foot, and has for an object the provision of an improved structure which may be quickly and easily applied and removed at any time.

Another object in view is to provide an anti-slipping device for the human foot which may be quickly fitted over a shoe or overshoe at any place, and when arranged in position present roughened portions to the ice or other surface on which it is used.

In the accompanying drawings—Figure 1 is a top plan view of the ice creeper embodying the invention; Fig. 2 is a side view of part of a shoe with an ice creeper embodying the invention applied thereto; Fig. 3 is a fragmentary sectional view through Fig. 2 on line 3—3.

Referring to the accompanying drawings by numerals, 1 indicates a shoe of any desired kind and 2 and 3 indicate chains adapted to be stretched across the bottom of the foot for presenting roughened or irregular shaped members. The chains 2 and 3 are designed to catch into the ice, snow and the like and thereby prevent a slipping of the shoe 1. The ends of the chains 2 and 3 are connected by bowed bars 4 and 5 which overlap the sides of the shoe, and to which is connected a strap 6. Preferably the strap 6 is connected with one of the bars, as for instance bar 5 by suitable fastening means, as for instance rivet 7 so that the buckle 8 will be at a convenient point for receiving the free end of the strap 6, which free end is passed beneath the other bar, namely, bar 4, and then caused to interlock with buckle 8 as shown in Fig. 3. The buckle 8 may be of any desired kind and the strap 6 may be of any desired length, but preferably of ample length for fitting over the foot as shown in Fig. 3.

As shown in Figs. 1 and 3, the long chain 3 is arranged at the front though it is evident that the short chain could be arranged at the front if preferred. It is understood that the longer chain should be arranged at the widest part of the foot and that the chains be substantially an even distance from the center of the tread. The device is comparatively small, and is intended to be carried in the pocket and applied and removed at any time according to the condition of the street or surface over which the owner is passing.

I may also provide a brace member 9 between the rearward ends of the bars 4 and 5, this being of advantage when the device is worn over yielding rubber foot coverings, in view of the narrowing of the sole of the shoe at the arch, this being clearly shown in Figs. 1 and 2.

What I claim is:—

1. An ice creeper of the character described comprising a pair of chains, a pair of bars connected with the ends of said chains for spacing the chains, each of said bars being bowed upwardly, a strap slidingly connected with one of said bars, and a fastening member arranged on said strap for receiving and securing the free end of the strap when the device is in use.

2. In an ice creeper of the character described, a pair of chains, one of said chains being longer than the other, a pair of upwardly bowed connecting bars secured to the ends of said chains, said connecting bars being adapted to be positioned opposite and substantially straddling the widest part of the foot so that part of the shoe will project between the ends of the bars and prevent a movement thereof longitudinally of the foot, and a slidingly mounted flexible securing member arranged on the upper part of one of said bars and engaging the upper part of the other of said bars for connecting said bars together, said flexible securing member being designed to pass across the top of the foot when the device is in use.

3. An ice creeper of the character described, comprising a pair of chains, a pair of bars connected to the ends of said chains for spacing the chains, each of said bars being bowed upwardly, a bracing bar or rod connected with one of each of said first mentioned bars and extending parallel to

one of said chains, a strap slidingly mounted on the upper part of one of said first mentioned bars, and a fastening member arranged on said strap for receiving and securing the free end of the strap when the device is in use.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

PETER JAMES PINTO.

Witnesses:
JULIUS PESSA,
MICHAEL A. D. MENNIE.

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