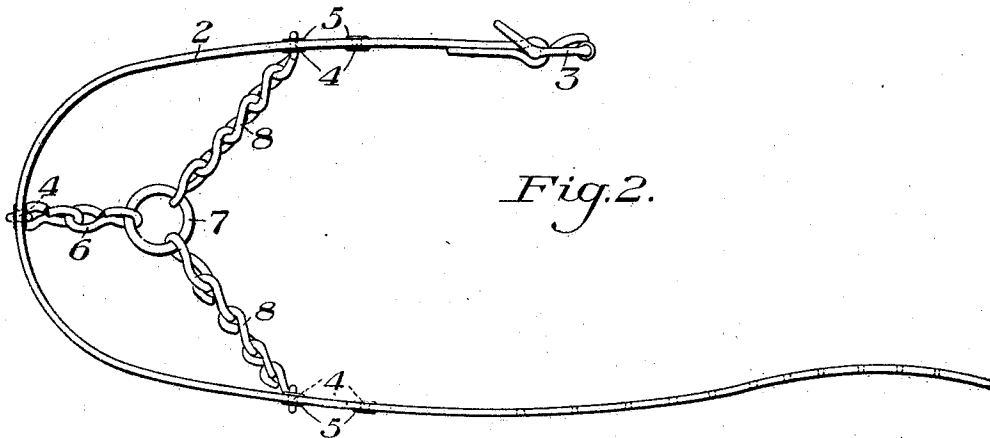
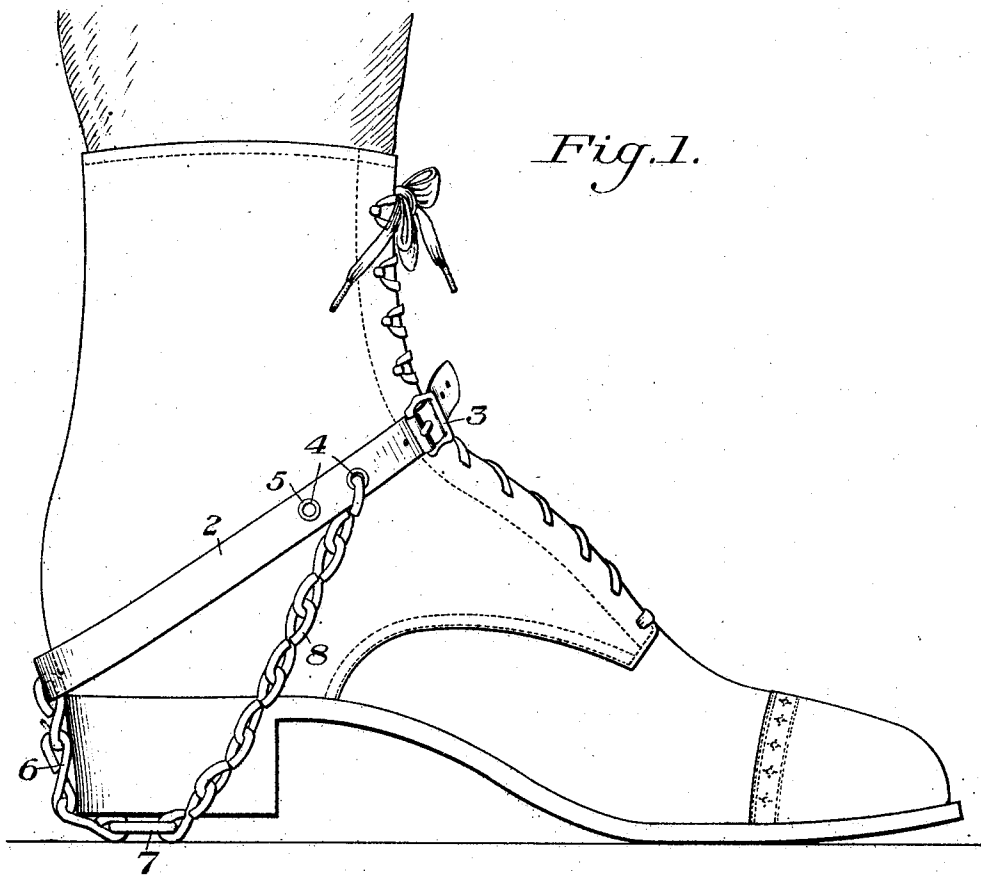


A. D. BACON, JR.
ICE CREEPER.
APPLICATION FILED FEB. 17, 1912.

1,058,343.

Patented Apr. 8, 1913.



WITNESSES

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UNITED STATES PATENT OFFICE.

ALBERT D. BACON, JR., OF MOUNT WASHINGTON, PENNSYLVANIA.

ICE-CREEPER.

1,058,343.

Specification of Letters Patent.

Patented Apr. 8, 1913.

Application filed February 17, 1912. Serial No. 678,383.

To all whom it may concern:

Be it known that I, ALBERT D. BACON, JR., a resident of Mount Washington, in the county of Allegheny and State of Pennsylvania, have invented a new and useful Improvement in Ice-Creepers, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a side view of a shoe with one form of my improved creeper attached, and Fig. 2 is a plan view of the creeper detached.

This invention relates to ice creepers, and is designed to provide a device of this character which can be cheaply manufactured and which can be readily applied and removed from the shoe of the wearer.

Another object is to provide a device which can readily be adjusted to fit various sizes of shoes, and which can also be folded into a small space.

The precise nature of my invention will be best understood by reference to the accompanying drawings, which will now be described, it being premised, however, that changes may be made in the details of construction without departing from the spirit and scope of my invention, as defined in the appended claims.

Referring to the accompanying drawings, the numeral 2 designates a supporting and securing strap, and 3 a securing buckle on one end thereof. The other end is provided with a plurality of openings for the tongue of the buckle. The strap 2 is provided with a plurality of openings 4, located at intermediate points and preferably placed in about the position shown in Fig. 2. These openings are provided with eyelets 5 to reinforce them and prevent the chains hereinafter described from wearing the openings.

6 designates a short chain, one end of which is connected to the strap by passing the end link through the opening 4 in the center of the strap. The end link at the other end of this chain is connected to a ring 7.

8, 8 are side chains, one end of each being connected to the ring 7. The end links of the other ends of said chains are connected to the openings 4 on the ends of the strap. The size of the creeper can be varied by

connecting the ends of the chains 8 with different openings 4; or changing the length of the chains.

The device is attached to the foot, as shown in Fig. 1, the chain 6 being located at the center of the back of the shoe and extending under the shoe to about the center of the heel. The chains 8 extend forwardly from the center of the heel and at an angle to the chain 6, and then upwardly and forwardly from the side edges of the heel to the strap 2. The three chains and the ring on the bottom of the heel will prevent the wearer from slipping on ice or slippery pavements, by the frictional contact between the links of the chains and the surface on which the wearer is walking.

The advantages of my invention result from the provision of a flexible creeper which can readily be attached to the shoe of the wearer, and which can be adjusted for shoes of various sizes.

I claim:

1. An ice creeper for boots or shoes, having a single supporting strap arranged to take an inclined position extending forwardly and upwardly from the heel over the ankle, a short chain section connected to the intermediate portion of the strap and leading forwardly under the heel, and two longer sections of chains connected to the strap between the intermediate portion and the ends thereof extending downwardly and rearwardly under the heel, said longer chains being connected to each other at one end and also connected to one end of the short chain under the heel; substantially as described.

2. A creeper having a single supporting strap, and three chains connected to each other at one end and connected to the strap at the other ends, said strap having a plurality of openings to permit two of the chains to be adjusted with relation thereto; substantially as described.

3. A creeper having a single supporting strap and three chains connected to each other at one end and connected to the strap at the other ends, said chains diverging in three directions, so that each of the chains lies in planes which are approximately 120 degrees from the planes of the adjacent chains; substantially as described.

4. An ice creeper having a single strap, a short chain section connected to the intermediate portion of the strap extending in a forward direction, and two longer sections
5 of chains connected to the strap between the intermediate portion and the ends thereof and extending in a rearward direction, said longer chains being connected to each other

at one end and also connected to one end of the short chain; substantially as described. 10
In testimony whereof, I have hereunto set my hand.

ALBERT D. BACON, Jr.

Witnesses:

JESSE B. HELLER,
H. M. CORWIN.