

June 24, 1930.

A. BARNES

1,767,427

ICE CREEPER

Filed Sept. 26, 1929

2 Sheets-Sheet 1

Fig. 1.

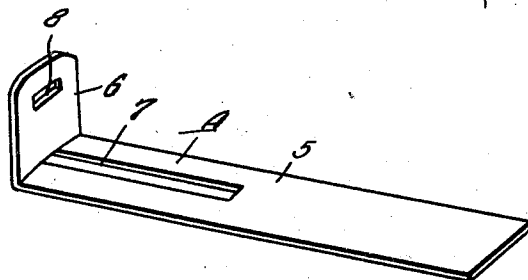
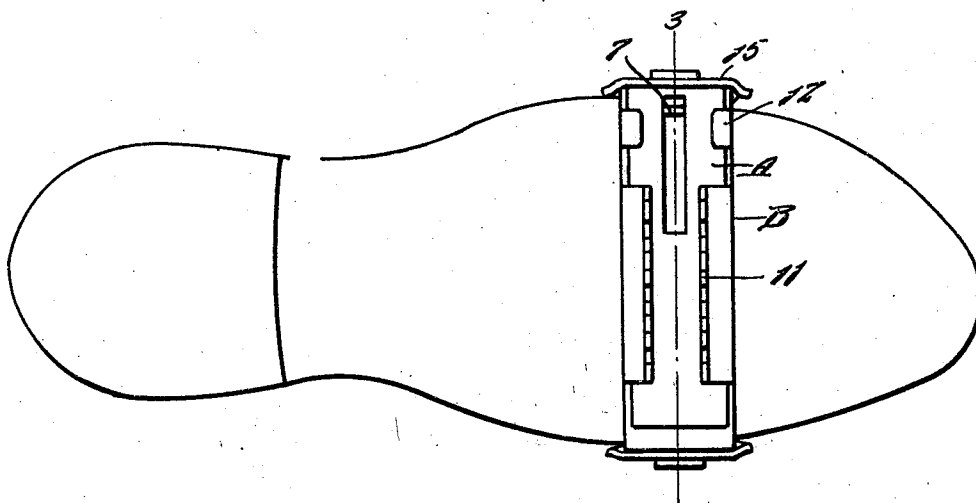


Fig. 4.

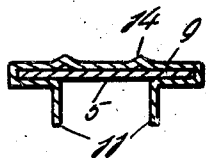


Fig. 5.

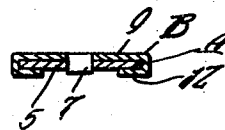


Fig. 6.

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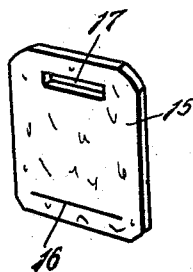
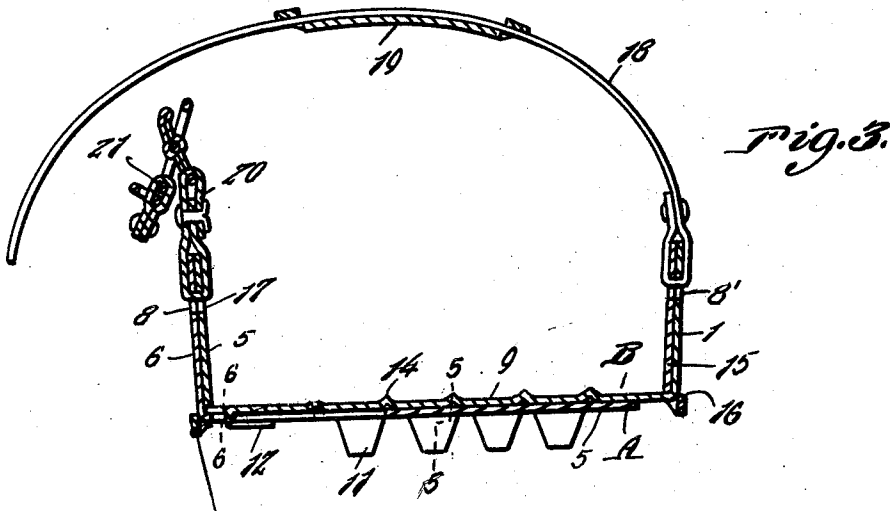
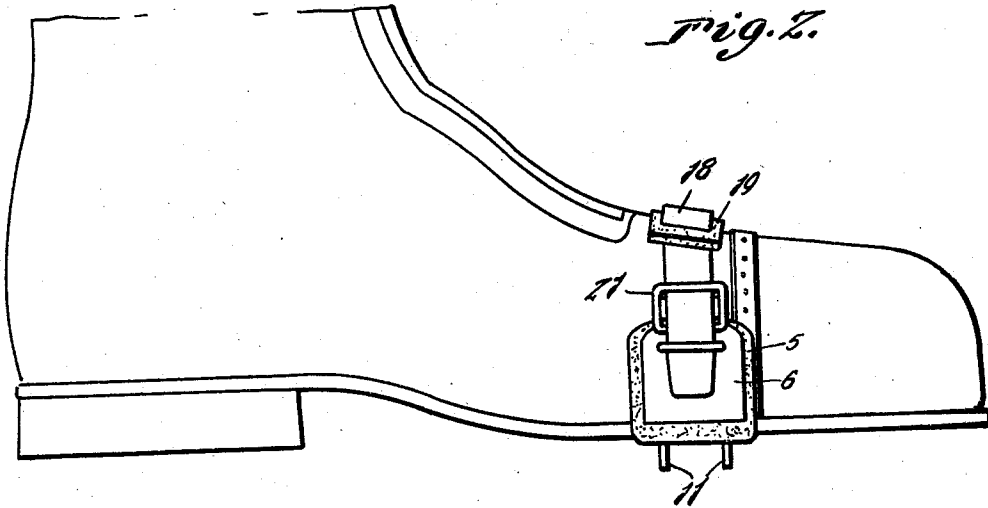
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1,767,427

ICE CREEPER

Filed Sept. 26, 1929

2 Sheets-Sheet 2



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UNITED STATES PATENT OFFICE

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ICE CREEPER

Application filed September 26, 1929. Serial No. 395,347.

The present invention relates to ice creepers, and has for an object to provide a device of this class embodying new and improved features of simplicity, convenience, durability, adjustment, easy of assembly and disassembly, and utility.

A further object of the invention is to provide a device of this nature embodying improved means for attaching the same to the shoe in a quick but yet secure manner.

With the above and numerous other objects in view as will appear as the description proceeds, the invention resides in certain novel features of construction, and in the combination and arrangement of parts as will be hereinafter more fully described and claimed.

Figure 1 is a bottom plan view of the shoe showing my improved ice creeper mounted thereon,

Figure 2 is a side elevation thereof,

Figure 3 is a sectional view taken substantially on the line 3—3 of Figure 1,

Figure 4 is a perspective view of one of the L-shaped members,

Figure 5 is a sectional view taken substantially on the line 5—5 of Figure 3,

Figure 6 is a sectional view taken substantially on the line 6—6 of Figure 3, and

Figure 7 is a perspective view of a protector.

Referring to the drawing in detail it will be seen that I provide a device constructed of two L-shaped members A and B. The member A is the simpler of the two members and will be described in detail first. It consists of the elongated base leg 5 and the upstanding shorter leg 6.

The base leg 5 has adjacent leg 6, a longitudinally extending oblong slot 7. The upstanding leg 6 has adjacent its upper end a transverse oblong slot 8. The member B comprises an elongated base leg 9 and a relatively short upstanding leg 10. The leg

10 is similar in construction to the leg 6 that is provided with a transverse slot 8'.

The base leg 9, however, is provided with side depending cleat forming ears 11 straddling the side edges of the base leg 5 so that the base leg 5 slides therebetween and the extremities of the base leg 9 is provided with a tongue 12 extending through the slot 7 and bent in parallelism with the legs 5 and 9.

Portions of the base leg 9 are struck upwardly to form sharpened projections 14 to engage in the sole of the shoe. Lever protectors or shields 15 are disposed to the inner side of the leg portions 6 and 10 being formed with slits 16 through which the leg portions 16 and 15 may be passed and further formed with slots 17 registering with the slots 8 and 8'.

An elongated strap 18 is engaged with the leg 10 through slots 8' and 17 and a shield 19 is adjustably mounted thereon. A loop strap section 20 is engaged with the leg 6 through slots 8 and 17 and has mounted thereon a buckle structure 21 of the quick acting type for engagement with the strap 18.

In Figures 5 and 6 it will be noted that the sides of the leg 9 are bent under the leg 5 so that these legs are slidably connected together and the device may be adjusted to the desired width of the shoe.

It is thought that the construction, operation, utility and advantages of this invention will now be quite apparent to those skilled in this art without a more detailed description thereof.

The present embodiment of the invention has been disclosed in considerable detail merely for the purposes of exemplification since in actual practice it attains the features of advantage enumerated as desirable in the statement of the invention and the above description.

It will be apparent that changes in the

details of construction, and in the combination and arrangement of parts may be resorted to without departing from the spirit or scope of the invention as hereinafter claimed or sacrificing any of its advantages.

5 Having thus described my invention, what I claim as new is:

A device of the class described comprising a pair of L-shaped members having longer legs and shorter legs, means for slidably connecting the longer legs, strap and buckle means engaged with the shorter legs, one of said longer legs having side extensions extending under the other longer leg, and terminating in depending cleat forming ears.

15 In testimony whereof I affix my signature.

ANSEL BARNES.

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