

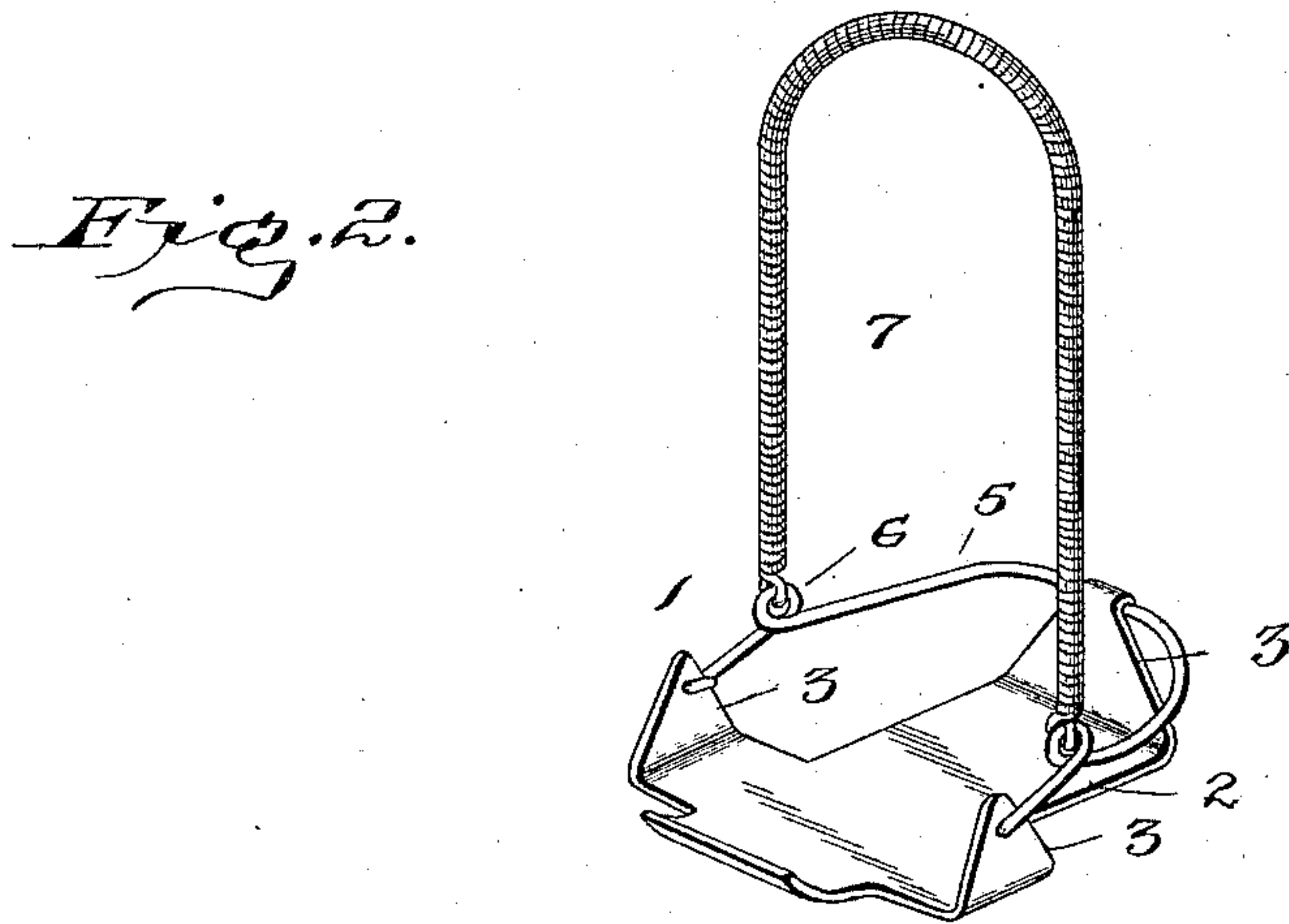
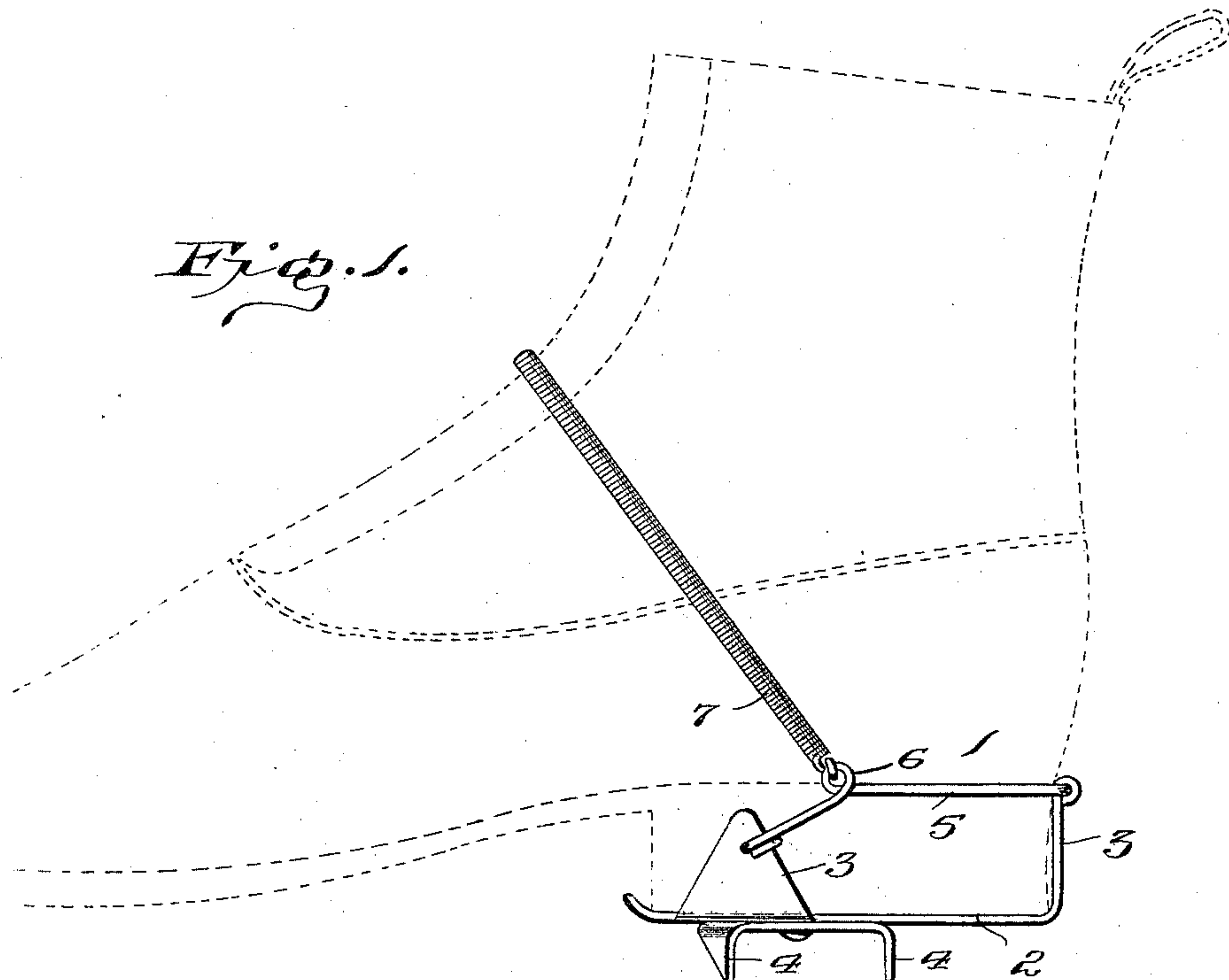
No. 610,842.

Patented Sept. 13, 1898.

J. W. BRAYMAN.
ICE CREEPER.

(Application filed Apr. 7, 1897.)

(No Model.)



WITNESSES
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UNITED STATES PATENT OFFICE.

JOHN W. BRAYMAN, OF SILVER SPRINGS, NEW YORK.

ICE-CREEPER.

SPECIFICATION forming part of Letters Patent No. 610,842, dated September 13, 1898.

Application filed April 7, 1897. Serial No. 631,051. (No model.)

To all whom it may concern:

Be it known that I, JOHN W. BRAYMAN, a citizen of the United States, residing at Silver Springs, in the county of Wyoming and State of New York, 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 relates to ice-creepers, and essentially consists of an automatic adjusting-bail or attaching device.

The invention further consists of the specific construction, arrangement, and combination of parts, which will be more fully hereinafter described and claimed.

In the accompanying drawings, Figure 1 is a side view showing the improved ice-creeper applied. Fig. 2 is a similar view of the ice-creeper shown detached.

Referring to the drawings, wherein similar numerals of reference are employed to indicate corresponding parts in the views, the numeral 1 designates an ice-creeper comprising a heel-plate 2, with upwardly-projecting ears 3 at the sides and back and downwardly-projecting spurs or teeth 4 on the under side. The form of creeper shown is employed solely to illustrate the application of the invention, and any other form of said device may be readily substituted as long as it preserves in its structure convenient means of attachment.

To the ears 3 is secured a wire rim 5, having loops 6 therein, to which are movably connected the two ends of a yielding bail 7. The rim 5 is preferably formed of spring-wire and the bail 7 of similar material and coiled to avoid the formation of angles or projections, and thereby prevent abrasion of the boot or shoe it engages.

In applying the improved creeper in operative position the boot or shoe is slipped through the bail 7, and the plate 2 is placed against the heel in such manner that the ears 3 will be located on opposite sides and in rear thereof, and by this arrangement the wire rim 5 is elevated a considerable distance upwardly thereon. A skeleton socket is thus formed for conveniently cleaning the creeper and a snug engagement with the heel is also attainable. The bail 7 is then drawn up over the foot and automatically adjusts itself to the contour of the boot or shoe and the foot

at the place of engagement. A greater or less degree of tension is necessarily exerted on the bail relatively to the distance of the extreme point of bearing from the heel-plate, and this tension is transmitted to and contracts the rim 5 and forces the same in close contact with the heel, thereby holding the creeper in proper position to resist accidental disengagement from any cause. The bail 7 through its coiled construction will retain its adjusted position on the boot or shoe, and also for the reason that when the tension is exerted thereon the coils will separate and an easy gripping action ensue.

The improved device may be readily and quickly applied by a person in standing posture and dispenses with all forms of straps, buckles, and analogous fastening attachments. During its application the heel-plate is held against the heel by the upward pull of the bail 7, the latter, however, not in the least inconveniencing the wearer by a binding or pinching of the boot. In removing the device the said heel-plate and the parts carried thereby may be easily drawn away from the heel through the medium of the resilient nature of the bail and said bail readily slipped off the boot or shoe.

It will be understood that the bail 7 and rim 5 can be suitably enameled or plated and varied in dimension to suit the size and nature of the creeper to which they are attached.

Having thus described the invention, what is claimed as new is—

1. In an ice-creeper, the combination of a resilient retaining-bail, and a yielding spring-rim, substantially as described.

2. The combination with an ice-creeper, of a resilient retaining-bail, and a yielding rim having eyes therein to which said bail is attached, substantially as described.

3. The combination with an ice-creeper, having upwardly-projecting devices, a yielding wire rim attached to said devices and having eyes therein, and a coiled spring retaining-bail attached to said eyes, substantially as described.

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

JOHN W. BRAYMAN.

Witnesses:

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