

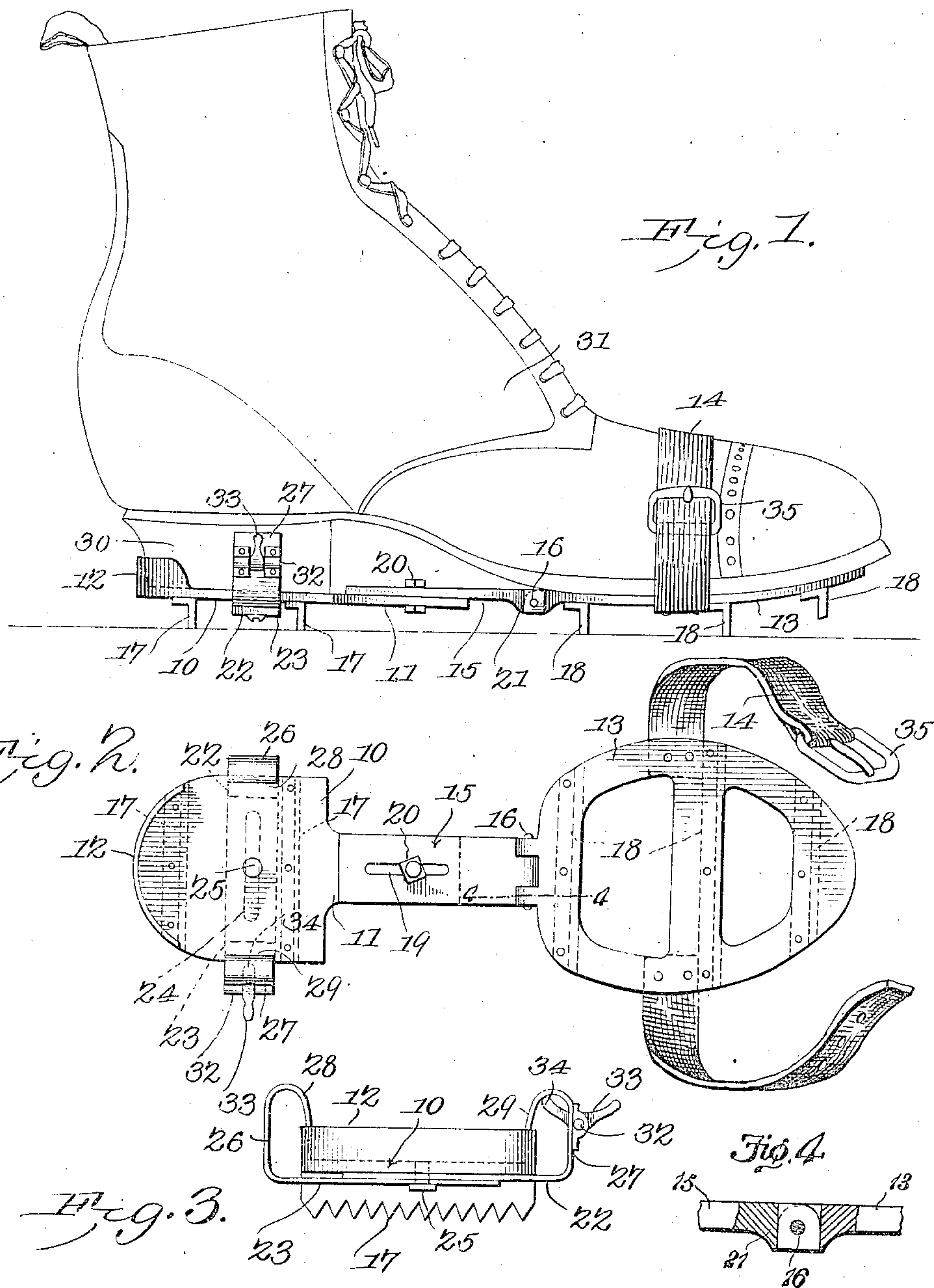
No. 817,800.

PATENTED APR. 17, 1906.

D. L. PICKETT.

ICE CREEPER.

APPLICATION FILED AUG. 21, 1905.



Witnesses

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UNITED STATES PATENT OFFICE

DANIEL L. PICKETT, OF KEENE, NEW HAMPSHIRE.

ICE-CREEPER.

No. 817,800.

Specification of Letters Patent.

Patented April 17, 1906.

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To all whom it may concern:

Be it known that I, DANIEL L. PICKETT, a citizen of the United States, residing at Keene, in the county of Cheshire and State of New Hampshire, have invented a new and useful Ice-Creeper, of which the following is a specification.

This invention relates to devices for attachment to boots or shoes to prevent slipping upon icy surfaces, and has for its object to provide a simply-constructed device of this character which may be adjusted to any size of boot or shoe and readily attachable or detachable as required.

With these and other objects in view, which will appear as the nature of the invention is better understood, the same consists in certain novel features of construction, as hereinafter fully described and claimed.

In the accompanying drawings, forming a part of this specification, and in which corresponding parts are denoted by like designating characters, is illustrated the preferred form of embodiment of the invention capable of carrying the same into practical operation.

In the drawings, Figure 1 is a side elevation of a shoe with the improved device applied. Fig. 2 is a plan view of the improved device. Fig. 3 is a rear elevation, enlarged, with the rear spur-plate removed. Fig. 4 is a sectional detail, enlarged, on the lines 4-4 of Fig. 2 of the joint portion of the body of the device, illustrating the construction more fully.

The improved device comprises in general a heel member having a forwardly-extending shank 11 and a rear heel-guard or stop 12, a toe member 13, having a strap 14 for connecting to the toe portion of the boot or shoe, and an intermediate member 15, hinged at one end, as at 16, to the toe member and also having means for adjustably clamping to the shank 11 of the heel member. The heel member 10 is provided with depending spurs 17, preferably formed of L-shaped plates riveted by one arm to the under side of the heel member and with the other arm serrated, and the toe member 13 is provided with similar spurs, as at 18. The intermediate member 15 is provided with a longitudinal slot 19, through which a clamp-bolt 20 operates to provide means for adjustably clamping the members together and adapting the device to boots or shoes of different lengths. The hinge members 16, between the intermediate member 15 and the toe member 13, are formed

with square shoulders 21 at their lower sides to form stops to prevent the toe portion moving below a point in longitudinal alinement with the remaining portions of the device, but which will freely move upward with the bending of the foot of the wearer at the instep, as hereinafter described.

Extending beneath the heel member 10 in superimposed position are two plates or bars 22 23, longitudinally slotted, as indicated at 24, and clamped to the heel member by a bolt 25, so that the plates may be adjusted transversely of the heel member. At their outer ends the plates 22 23 are turned upwardly, as at 26 27, and then bent over inwardly and downwardly, as at 28 29, to form resilient stops for bearing upon opposite sides of the heel portion 30 of the shoe, (represented as a whole at 31.)

Pivoted at 32 in the portion 27 of the heel-clamp member 22 is a cam member 33, adapted to bear by its operative end 34 against the inner face of the downwardly-extending portion 29 and press the same firmly against the heel portion 30, and thus lock the device to the shoe.

In applying the device the toe members and heel members 10 and 13 are first adjusted to the required length by loosening the bolt 20 and setting the members 11 and 15 and again tightening the bolt to hold the parts in the adjusted position. The strap 14 is then also adjusted by its buckle 35 to fit the toe portion of the shoe 31. The members 22 23 are then adjusted to cause the portions 28 29 to bear tightly against the heel portion 30 and clamped in the adjusted position by tightening the clamp-screw 25. The device will thus fit that particular shoe at any time it may be applied thereto and will not require adjustment each time it is worn.

When the device is to be worn, the toe of the shoe is passed beneath the strap 14 and the heel portion 30 pressed between the spring portions 28 29 and in advance of the rib 12. The cam member 33 is then actuated to cause the operative end 34 to tightly lock the device to the shoe. The hinging of the toe portion to the remainder of the device permits the requisite flexibility in walking, while at the same time the stop members 21 prevent any downward movement to the toe portion when the foot is lifted in the act of walking.

Having thus described the invention, what is claimed is—

1. In an ice-creeper, a heel member having

depending spurs, clamp-plates superimposed beneath said heel member and upturned at the ends and extending inwardly and downwardly for yieldably bearing against the heel of the shoe, and means for adjustably connecting said plates to said heel member.

2. In an ice-creeper, a heel member having depending spurs, clamp-plates superimposed beneath said heel member and upturned at the ends and extending inwardly and downwardly for yieldably bearing against the heel of the shoe, a cam member pivoted in one of said upturned ends and bearing against the adjacent downwardly-extending portion, and means for adjustably connecting said plates to said heel member.

3. In an ice-creeper, a heel member having depending spurs, a toe member having depending spurs, means for flexibly uniting

said heel and toe members, means for detachably connecting said toe member to the toe portion of a shoe, clamp-plates superimposed beneath said heel member and upturned at the ends with the extremities turned inwardly and downwardly for bearing against the heel of a shoe, a cam member pivoted in one of said upturned ends and operating to compress the adjacent downturned extremity against the shoe-heel, and means for adjustably connecting said plates to said heel member.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

DANIEL L. PICKETT.

Witnesses:

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