

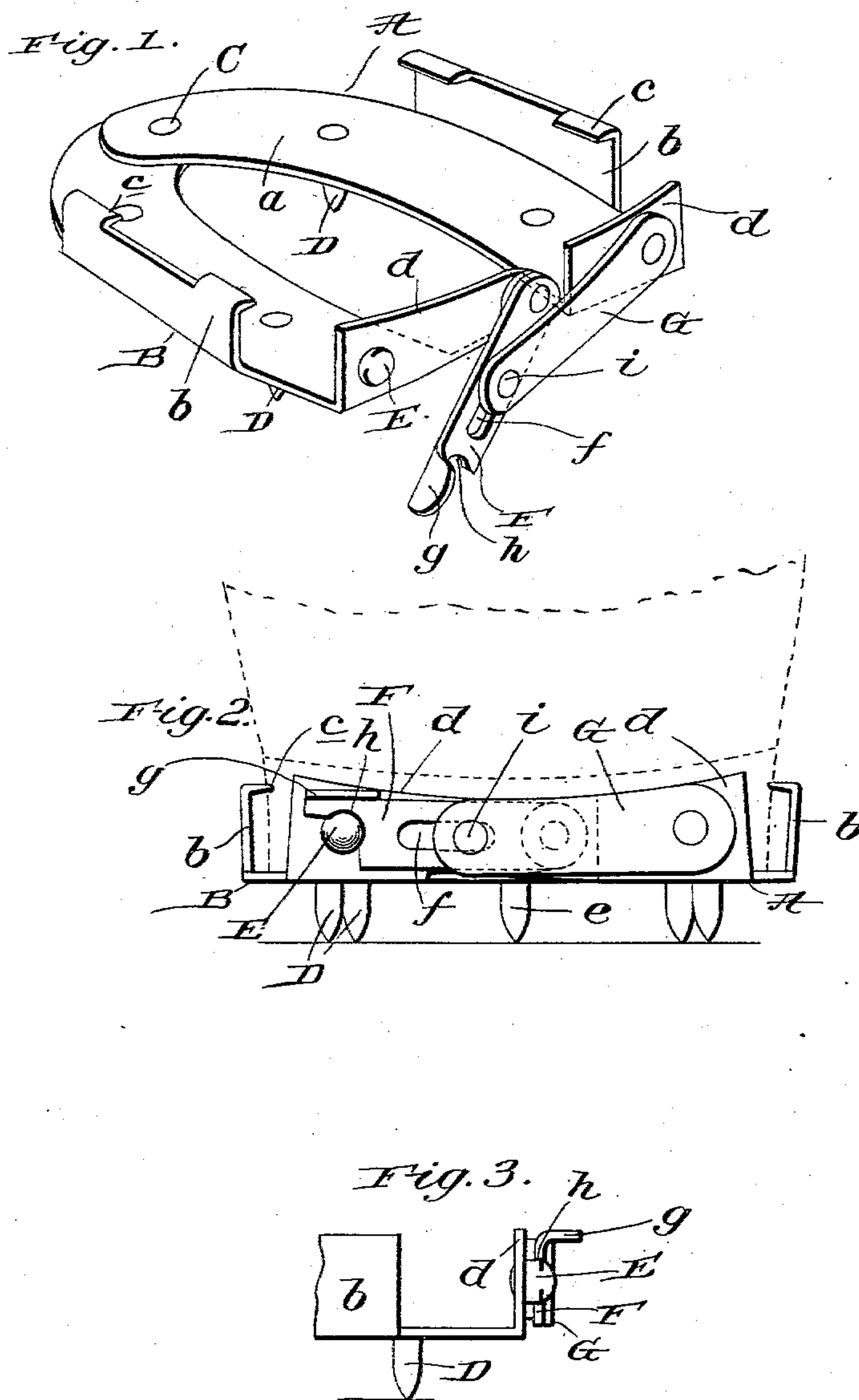
No. 743,736.

PATENTED NOV. 10, 1903.

C. E. LA PARR.
ICE CREEPER.

APPLICATION FILED SEPT. 5, 1903.

NO MODEL.



Witnesses
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UNITED STATES PATENT OFFICE.

CHARLES E. LA PARR, OF CENTRAL LAKE, MICHIGAN.

ICE-CREEPER.

SPECIFICATION forming part of Letters Patent No. 743,736, dated November 10, 1903.

Application filed September 5, 1903. Serial No. 172,068. (No model.)

To all whom it may concern:

Be it known that I, CHARLES E. LA PARR, a citizen of the United States, residing at Central Lake, in the county of Antrim and State of Michigan, have invented new and useful Improvements in Ice-Creepers, of which the following is a specification.

My invention relates to ice-creepers, and contemplates the provision of a reliable creeper, which, while adapted to be quickly and easily fastened on or removed from the heel of a boot or shoe, is not liable to be casually displaced when in use.

With the foregoing in mind the invention will be fully understood from the following description and claims when taken in connection with the accompanying drawings, in which—

Figure 1 is a perspective view of my improved creeper as it appears when open and ready to be applied to a boot or shoe heel. Fig. 2 is a front elevation illustrating the creeper as fastened on a heel, illustrated by dotted lines; and Fig. 3 is a detail side elevation of the forward portion of the creeper.

Similar letters of reference designate corresponding parts in all of the views of the drawings, referring to which—

A B are the frame members of my improved creeper. These members are preferably formed of sheet-steel and respectively comprise a horizontal curved portion *a*, a side flange *b*, rising from the outer edge of the curved portion and provided at its upper edge with one or more inwardly-directed spurs *c*, and a flange *d*, rising from the forward end of the curved portion.

C is a hinge-pintle, which pivotally connects the lapped rear ends of the portions *a* of the frame members and terminates below the same in a calk *e*; D D, calks riveted in or otherwise fixed with respect to and depending from the portions *a* of the frame members; E, a rounded keeper secured on the forward side of the flange *d* of frame member B adjacent to the outer end of said flange; F, a lever fulcrumed on the forward side of the said flange *d* adjacent to the inner end thereof and having a slot *f* and an angular finger-piece *g*, and also having a notch *h*, arranged to receive the keeper E, Fig. 2; and G, a link pivoted on the forward side of the flange *d*

of frame member A and having a rivet or other projection *i*, secured to the lever F, and disposed and movable in the slot *f* thereof. 55

In practice when it is desired to apply my improved creeper to a boot or shoe heel the creeper is opened by throwing the lever F downwardly after the manner shown in Fig. 1. The creeper is then placed on the heel so that the flanges *d* rest against the front and the flanges *b* at opposite sides of the same, after which the lever F, which is of sheet-steel, and consequently resilient, is moved upwardly and sprung over the keeper E, so that said keeper is received in the notch *h* of the lever, Fig. 2. Incident to the upward movement of the lever F the spurs *c* will be drawn into opposite sides of the heel, and they will be secured in such position by the engagement of the lever with the keeper E, with the result that casual disconnection of the creeper from the heel is precluded. When, however, the user of the creeper desires to remove the same from the heel, he has but to draw the free end of the lever F forwardly and move it downwardly past the keeper E, Fig. 1, when the spurs *c* will be moved out of engagement with the heel. 75

It will be appreciated from the foregoing that notwithstanding the facility with which my improved creeper may be applied to and removed from a shoe the same is very simple and inexpensive; also, that the creeper is not liable to casual displacement and is highly efficient in use. 85

I have entered into a detailed description of the construction and relative arrangement of the parts embraced in the present and preferred embodiment of my invention in order to impart a full, clear, and exact understanding of the same. I do not desire, however, to be understood as confining myself to such specific construction and arrangement of parts, as such changes or modifications may be made in practice as fairly fall within the scope of my invention as claimed. 95

Having described my invention, what I claim, and desire to secure by Letters Patent, is— 100

1. An ice-creeper comprising frame members hinged together at one end, and having depending calks and inwardly-directed spurs; one of said frame members also having a

keeper at its opposite end, a slotted lever fulcrumed on the same end of said member, and adapted to engage the keeper, and a link pivoted on the other member, and having a projection secured to the lever and movable in the slot thereof.

2. In an ice-creeper, the combination of frame members respectively formed of one piece of metal; and comprising a horizontal portion, a flange rising from the outer edge of the horizontal portion and provided with one or more inwardly-directed spurs, and a flange rising from the forward end of said horizontal portion; the rear ends of the horizontal portions of the members being lapped; a rivet connecting said ends in a hinged manner, and terminating below the same in a calk, calks carried by the horizontal portions of the members, a rounded keeper on the end flange of one member, a slotted lever ful-

crumed on said flange, and having a notch to engage the keeper, and a link pivoted on the end flange of the other member, and having a projection secured to the lever and movable in the slot thereof.

3. An ice-creeper comprising frame members hinged together at one end, and having depending calks and inwardly-directed spurs; one of said members having a keeper at its opposite end, a lever fulcrumed on the same end of the member, and adapted to engage the keeper, and a connection between the lever and the other member.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

CHARLES E. LA PARR.

Witnesses:

J. B. BOYD,
F. SKINNER.