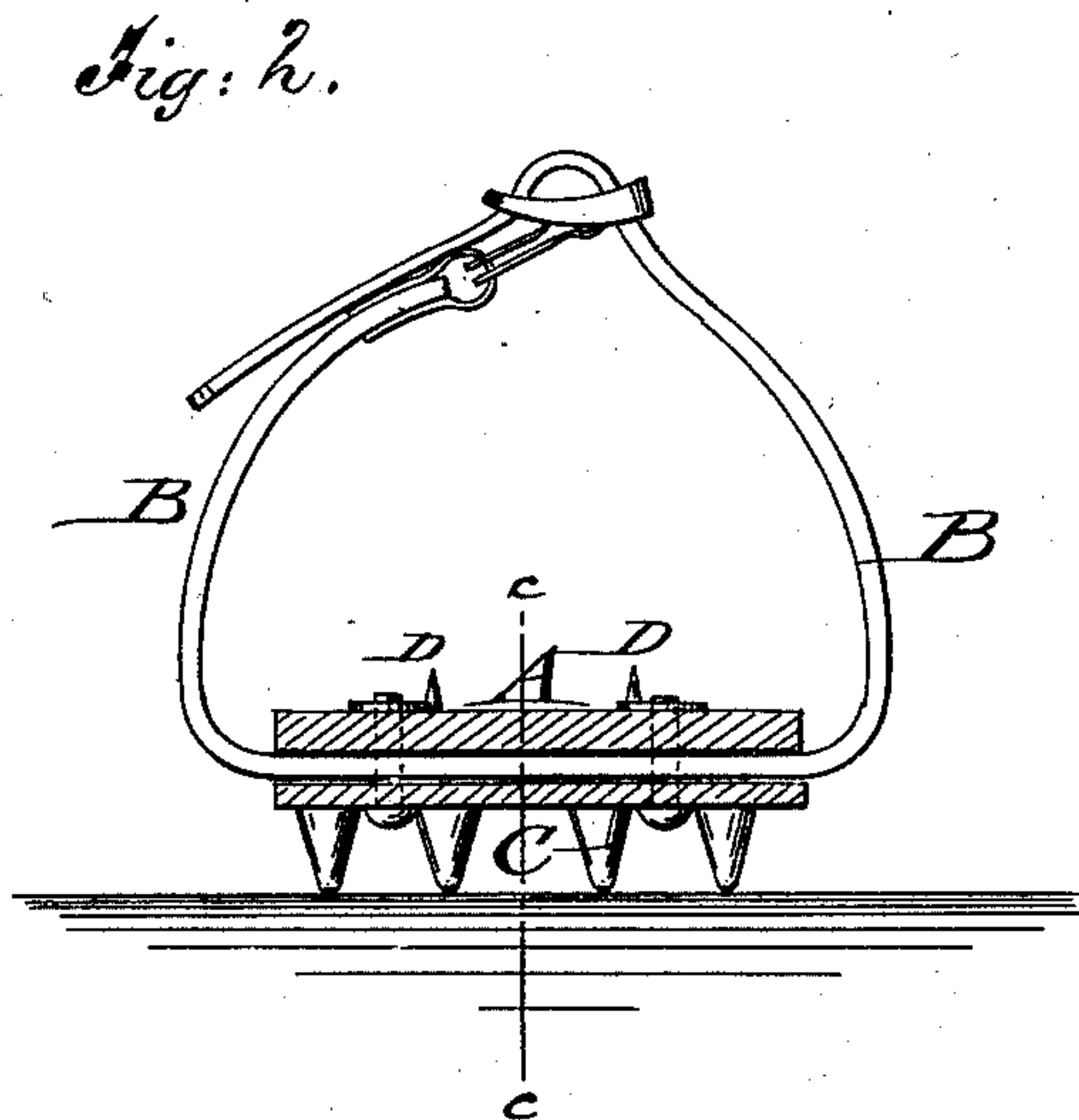
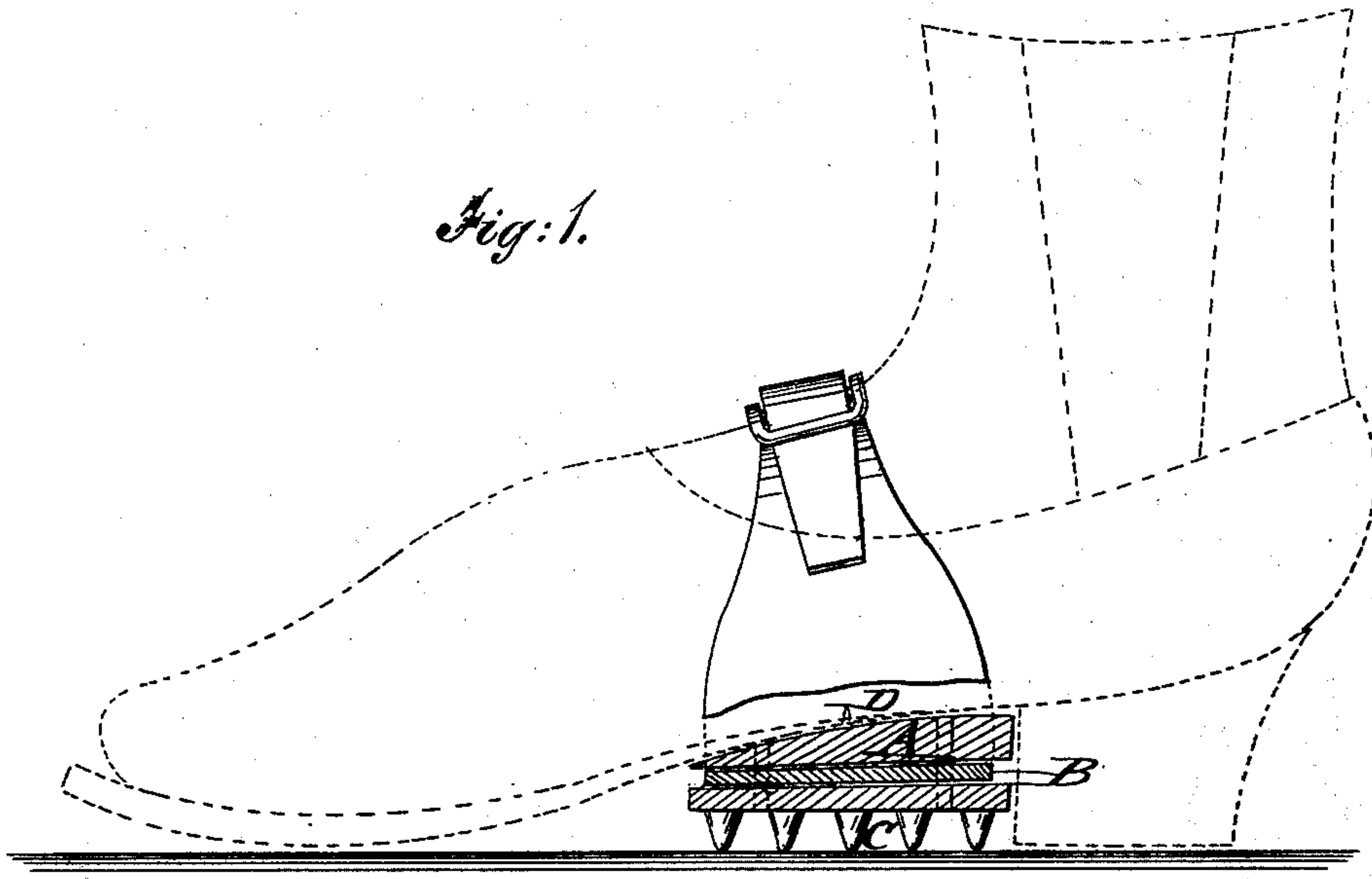


G. F. LEMMON.
Ice-Creepers.

No. 156,094.

Patented Oct. 20, 1874.



WITNESSES:

Chas. Nida
Edgwick

INVENTOR:

G. F. Lemmon
BY
Munroe
ATTORNEYS.

UNITED STATES PATENT OFFICE.

GEORGE F. LEMMON, OF NEW YORK, N. Y.

IMPROVEMENT IN ICE-CREEPERS.

Specification forming part of Letters Patent No. **156,094**, dated October 20, 1874; application filed July 11, 1874.

To all whom it may concern:

Be it known that I, GEORGE F. LEMMON, of the city, county, and State of New York, have invented a new and Improved Ice-Creeper, of which the following is a specification:

In the accompanying drawing, Figure 1 represents a side elevation of my improved ice-creeper as applied to the foot, partly in section, on line *c c*, Fig. 2; and Fig. 2 is a vertical transverse section of the same.

Similar letters of reference indicate corresponding parts.

The invention will first be fully described, and then pointed out in the claim.

In the drawing, A represents the upper elastic plate; B, the fastening-strap; and C, the lower elastic plate, with downward-projecting conical or other teats or studs. The upper and lower plates A and C are preferably cut of soft rubber, corresponding to the shape of the shank, the upper plate A being made tapering toward the front part for fitting the curve of the shank, and producing a nearly horizontal position of the studded plate C, which projects slightly with the points of the teats or studs below the level of the base of the heel. Both plates A and C are riveted or otherwise securely applied to the lateral strap or band B, of leather or other suitable material, which is interposed between them, and applied by a buckle at the ends to the foot. Upward-projecting pins D are suitably ap-

plied to the riveted plates, and enter with their sharp points into the leather of the shank after the foot is firmly placed on the ground. The creeper is thereby firmly and securely attached to the boot without any danger of getting lost or sliding sidewise, so as to loosen thereby the hold of the same on the ground.

The creepers being placed in the hollow of the shank in front of the heel, do not interfere with walking, and are hardly noticeable on the foot, while the studded plate or teeth enter any irregularity of the ground, and secures a firm and steady foothold.

The yielding nature of the studs allows the walking on carpets and floors without injury thereto, so that it is not necessary to take them off when entering a house or building, which forms an important and very practical feature of my invention.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

An ice-creeper, having rubber top plate A tapered to fit the cavity between heel and sole, the strap B, and the rubber bottom-plate C having subjacent teats, all attached together substantially as shown and described.

GEORGE F. LEMMON.

Witnesses:

PAUL GOEPEL,
T. B. MOSHER.