

No. 613,200.

Patented Oct. 25, 1898.

A. HELLER.
ICE CREEPER.

(Application filed Oct. 9, 1897.)

(No Model.)

Fig. 1-

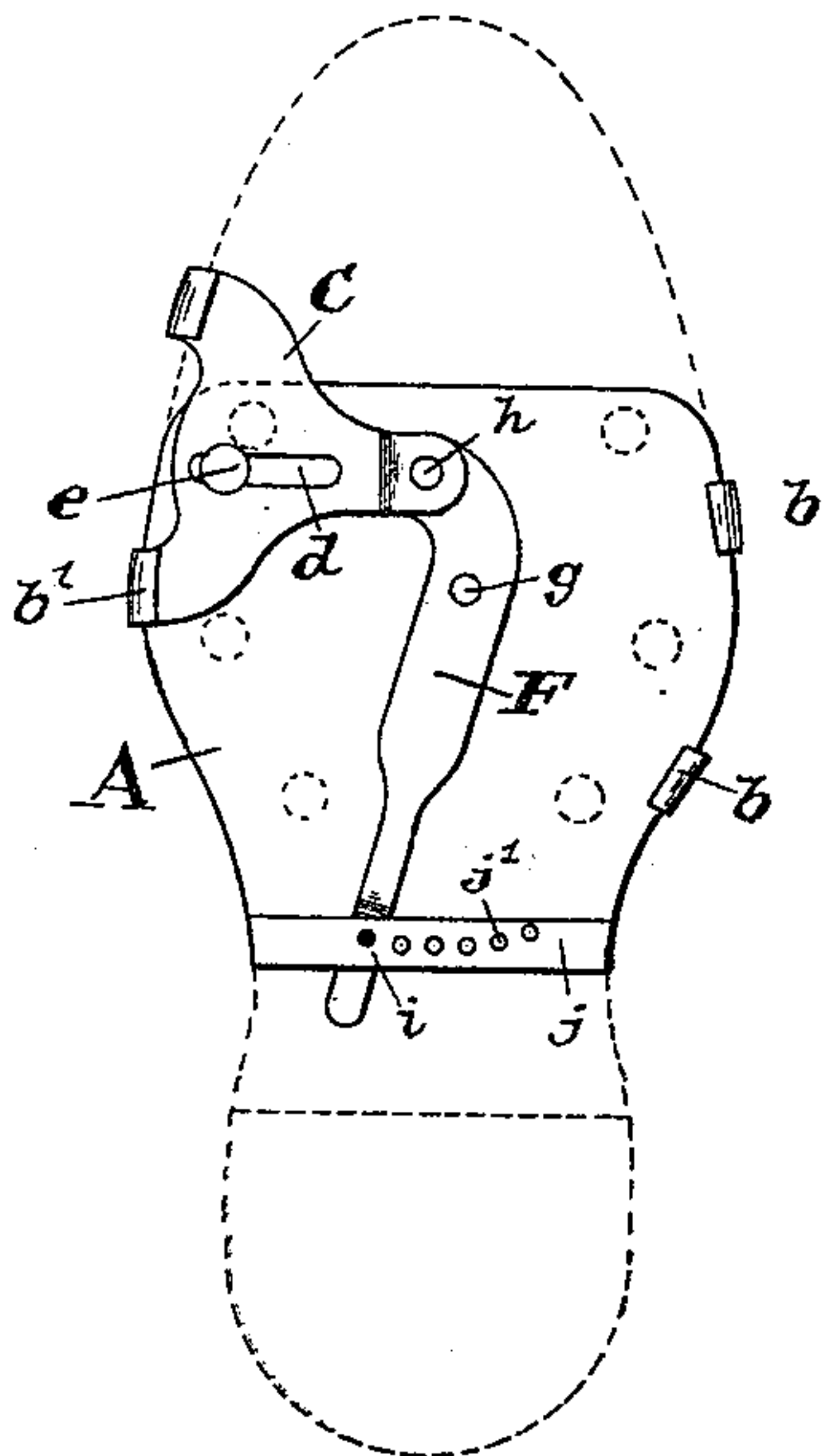


Fig. 2-

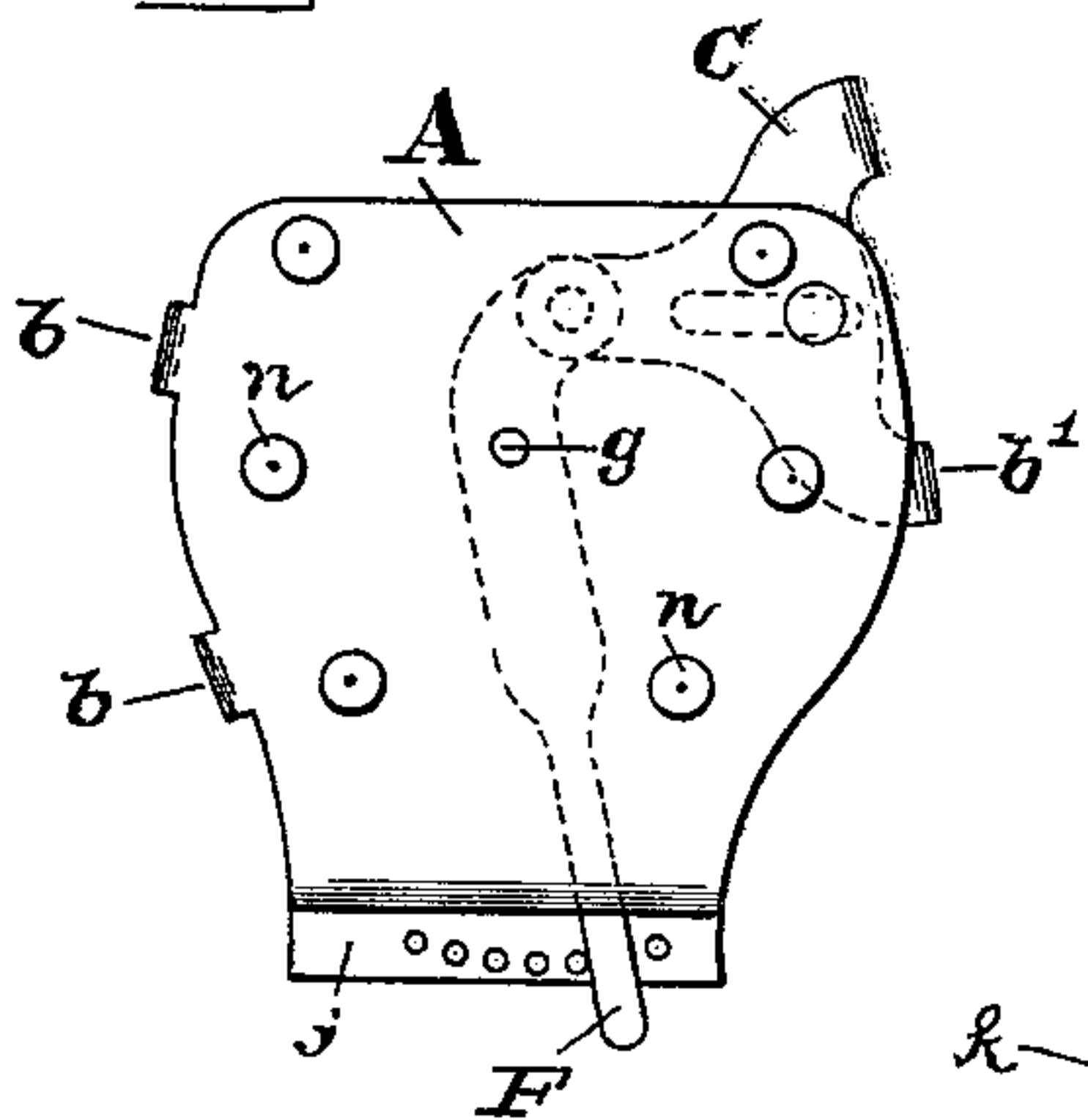


Fig. 3-

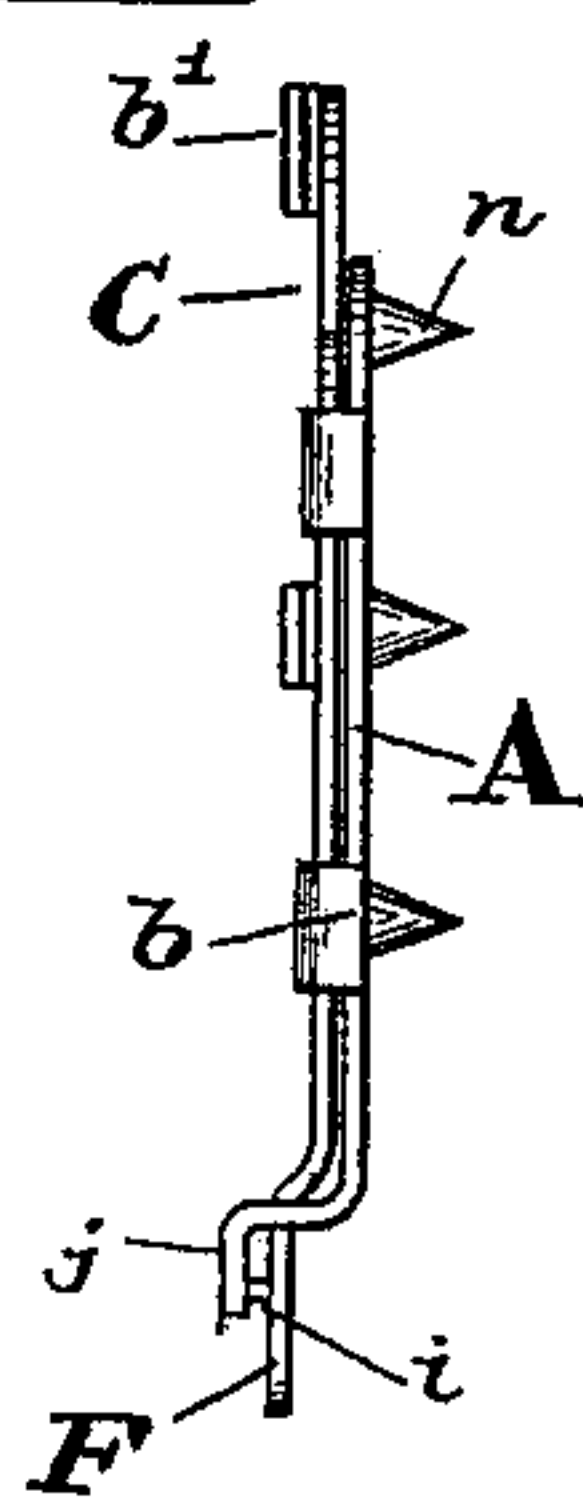


Fig. 4-

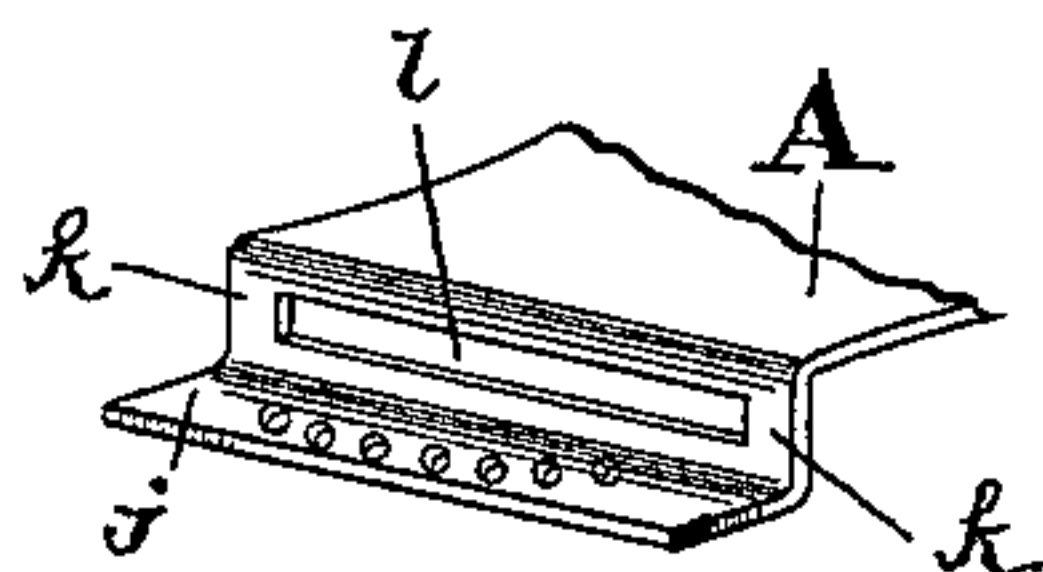


Fig. 5-



WITNESSES -

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ADAM HELLER, OF BALTIMORE, MARYLAND, ASSIGNOR OF ONE-HALF TO
JOHN P. B. SADTLER, OF SAME PLACE.

ICE-CREEPER.

SPECIFICATION forming part of Letters Patent No. 613,200, dated October 25, 1898.

Application filed October 9, 1897. Serial No. 654,657. (No model.)

To all whom it may concern:

Be it known that I, ADAM HELLER, a citizen of the United States, residing at Baltimore, in the State of Maryland, have invented certain
5 new and useful Improvements in Ice-Creepers, of which the following is a specification.

This invention relates to an ice-creeper for ready attachment to the bottom of a shoe.

The object of the invention is to provide a
10 simple device that may be put on the shoe and taken off and when off carried in the pocket.

The invention is illustrated in the accompanying drawings, in which—

15 Figure 1 is a top view of the ice-creeper and an outline in broken lines indicating the bottom of the shoe. Fig. 2 is a reverse or bottom view of the ice-creeper. Fig. 3 is an edge view of same. Fig. 4 is a perspective view
20 of end of tread-plate, showing the transverse bar and lever-slot. Fig. 5 shows a modification in the transverse bar.

The letter A designates the sole-plate or tread-plate, made of suitable material. Attached at one edge of this plate are two up-
25 turned hooks *b*. A sliding clamp-plate C has a slot *d*, into which the upper end of a suitable pin *e* projects, this pin having its lower end riveted fast into the tread-plate. Thus
30 the clamp-plate C may slide crosswise of the tread-plate by virtue of the slot and pin. The clamp-plate has on its outer edge two upturned hooks *b'*. It will be seen the two hooks *b* on the tread-plate A will press against one
35 edge of the shoe-sole, and the two hooks *b'* on the clamp-plate C will press against the opposite edge of the shoe-sole, and by compressing or binding these hooks the device will be clamped onto the sole.

40 The clamp-plate C is moved by a lever F, which is secured to the tread-plate by a pivot *g*. One end of the lever is jointed to the

clamp-plate by a pivot-pin *h*, and the free end of the lever carries a pin *i* and is secured in any desired position by the said pin engaging holes *j'* in transverse bar *j*, attached to the
45 tread-plate. This transverse bar *j* is seen in perspective in Fig. 4, and it is supported in a higher plane than the plate by two posts *k*, one at each end. A slot *l* is thus formed be-
50 tween the top of the tread-plate and the transverse bar. The pin *i* in the lever may be entered in either one of the holes *j'*.

In Fig. 5 is shown a modified form of transverse bar to hold the lever to the clamped po-
55 sition. In this figure the lever will be held by serrated teeth *m* instead of the holes. The teeth here shown point upward, but it is obvious such a transverse bar as that shown in Fig. 4 may have teeth like those shown in Fig. 60
5, pointing downward.

On the lower side of the tread-plate A are the prongs *n*, which prevent slipping.

The device and its operation will be readily understood from this description. 65

Having thus described my invention, what I claim is—

The combination of the tread-plate, A, having at one edge upturned hooks and on the bottom, projecting creeper-prongs; a clamp-
70 plate, C, provided with hooks and having a crosswise slot sliding on a pin fixed on the tread-plate; a lever, F, pivoted to the tread-plate and having one end jointed to the clamp-plate by a pin, *h*; and a transverse bar at-
75 tached to the tread-plate to hold the free end of the lever to the clamped position.

In testimony whereof I affix my signature in the presence of two witnesses.

ADAM HELLER.

Witnesses:

CHAPIN A. FERGUSON,
CHARLES B. MANN, Jr.