No. 877,929. PATENTED FEB. 4, 1908.

A. B. JOHNSON.

ICE CREEPER.

APPLICATION FILED NOV. 8, 1906.

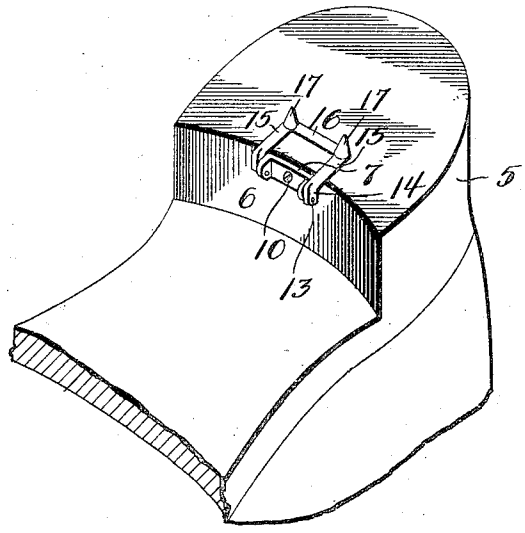

Fig. 1.

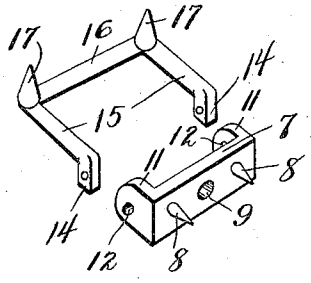

Fig. 3.

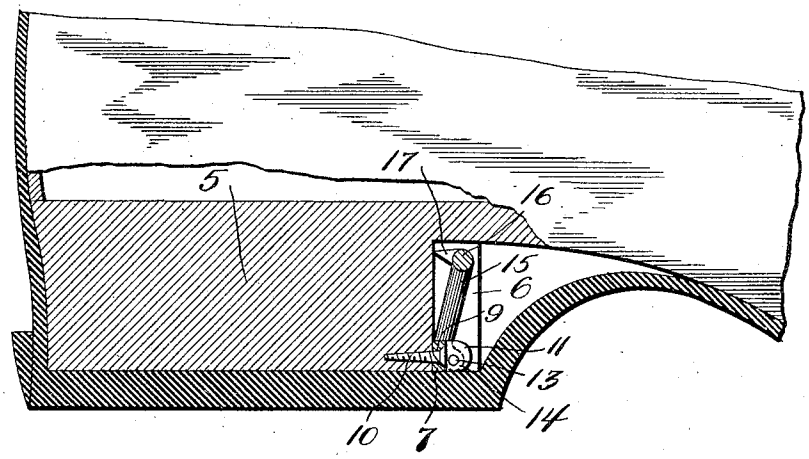

Fig. 2.

Inventor

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UNITED STATES PATENT OFFICE.

ALEXANDER B. JOHNSON, OF MOUNT GILEAD, OHIO.

ICE-CREEPER.

No. 877,929. Specification of Letters Patent. Patented Feb. 4, 1908.

Application filed November 8, 1906. Serial No. 342,451.

To all whom it may concern:

Be it known that I, ALEXANDER B. JOHNSON, citizen of the United States, residing at Mount Gilead, in the county of Morrow and State of Ohio, have invented certain new and useful Improvements in Ice-Creepers, of which the following is a specification.

My invention relates to ice creepers and has for its object the provision of an improved device of this character which may be very cheaply manufactured; which will be simple and efficient in operation and which when swung over into the instep of the shoe, will lie in such position as to permit an overshoe to be worn.

A further object of the invention is the provision of a device of this character, the frictional contact between the parts being such as to hold it in either its operative or inoperative position.

Further objects and advantages of the invention will be set forth in the detailed description which now follows.

In the accompanying drawing: Figure 1 is a perspective view of a portion of an inverted shoe illustrating my improved ice creeper mounted thereon, Fig. 2 is a longitudinal vertical section of the heel of the shoe, and, Fig. 3 is a detail perspective view of the ice creeper with the parts separated.

Like numerals designate corresponding parts in all of the figures of the drawing.

Referring to the drawing, the numeral 5 designates the heel of the shoe and the numeral 6 designates the curved front face of said heel. Secured to the heel within the recess formed by said curved face, is a plate 7, this plate being provided upon its rear face with spurs 8 and being perforated as at 9 for the reception of a screw 10. It will be seen that by virtue of this construction when the screw is screwed into the heel of the shoe as illustrated in Fig. 2, the spurs 8 will also be forced into the heel of the shoe, so that by screwing the one screw 10 into position, the plate 7 is secured to the heel of the shoe and held against twisting. The plate 7 is provided with forwardly projecting ears 11 which are perforated as at 12 for the reception of pivots 13, said pivots securing the downturned ears 14 of arms 15 to the ears 11. These arms 15 are connected by a transverse bar 16 and spurs 17 are located at the juncture of these arms.

The operation of the device is as follows: When in use the arms that carry the spurs 17 are swung over to the position illustrated in Fig. 1. When the device is not in use, these parts are swung to the position illustrated in Fig. 2, the frictional contact between the inner faces of the ears 14 and the outer faces of the ears 11 being sufficient to hold these parts in either of their extreme positions. During winter weather when the ground is covered with hard snow or ice, it is desirable to have this ice creeper secured upon the shoe to prevent slipping, while in slushy or wet weather it is equally desirable to wear rubbers or overshoes. By virtue of the construction herein set forth, it is possible to accomplish both these objects, for when the device lies in the position illustrated in Fig. 1, it will effectually prevent slipping, while when it lies in the position illustrated in Fig. 2, it will permit an overshoe to be worn, for at that time the parts lie within the recess formed by the curved front of the heel.

From the foregoing description, it will be seen that simple and efficient means are herein provided for accomplishing the objects of the invention, but while the elements shown and described are well adapted to serve the purposes for which they are intended, it is to be understood that the invention is not limited to the precise construction set forth, but includes within its purview such changes as may be made within the scope of the appended claims.

What I claim, is:

In a device of the character described, the combination with a shoe having the front face of its heel recessed, said front face presenting a vertical wall of a plate having a central opening formed therethrough, a spur located upon each side of said central opening and projecting from the rear face of the plate, a forwardly projecting ear at each end of said plate, a U-shaped member, the free ends of said U-shaped member terminating in down-turned arms, means for pivoting said downturned arms to the forwardly extending ears, and spurs formed upon the U-

shaped member at the juncture of its side members with its cross member, said U-shaped member being adapted to be swung over against the bottom of the heel to thereby present said spurs to the ground or to be swung over to the instep of the shoe, said U-shaped member being of such length as to clear the instep of the shoe when swung to the latter position, and all of the parts being of such size as to lie within the recess of the heel.

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

ALEXANDER B. JOHNSON.

Witnesses:
B. T. ROWLAND,
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