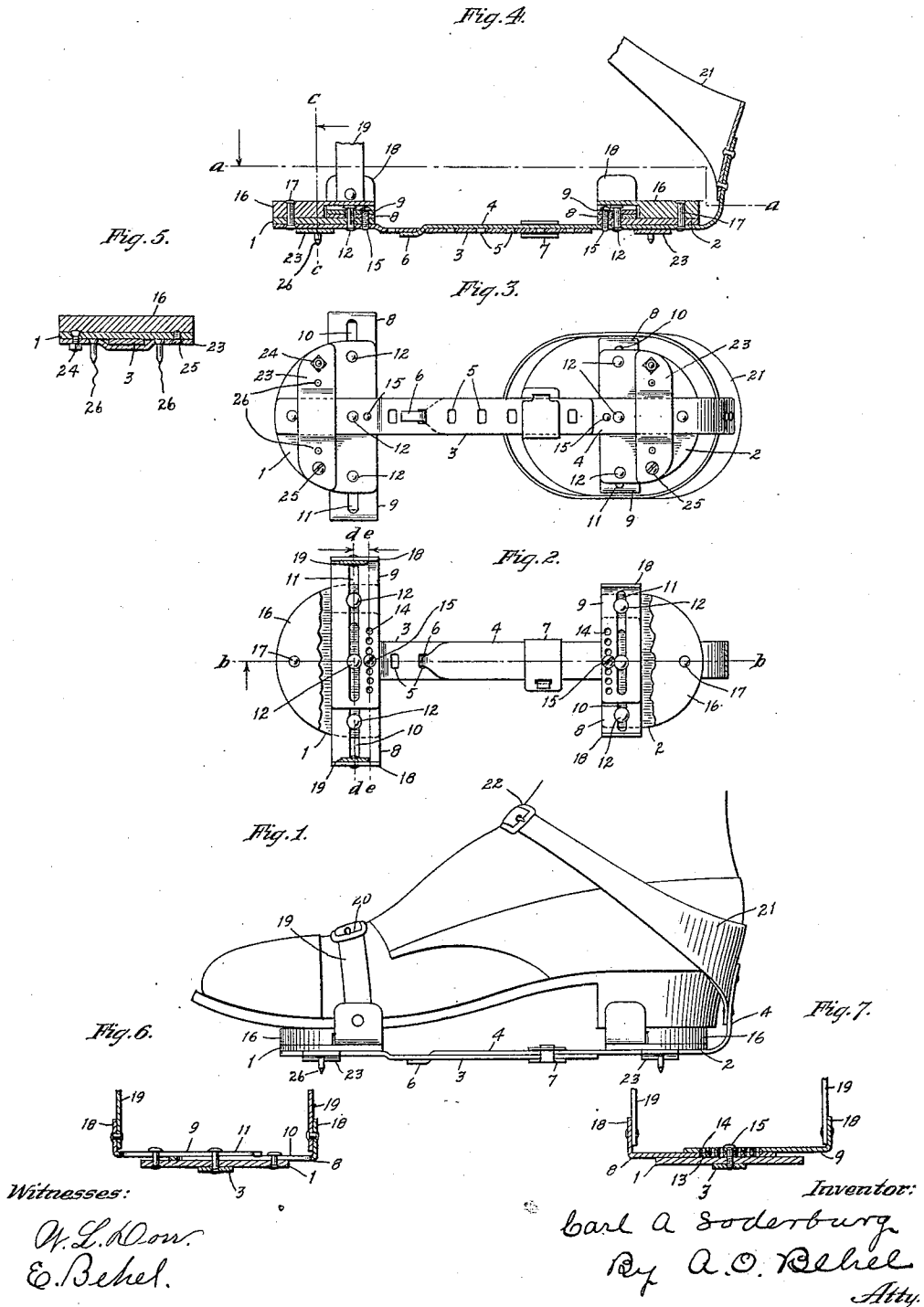


C. A. SODERBURG.
ICE CREEPER.
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1,008,286.

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UNITED STATES PATENT OFFICE.

CARL A. SODERBURG, OF ROCKFORD, ILLINOIS.

ICE-CREEPER.

1,008,286.

Specification of Letters Patent.

Patented Nov. 7, 1911.

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To all whom it may concern:

Be it known that I, CARL A. SODERBURG, a citizen of the United States, residing at Rockford, in the county of Winnebago and State of Illinois, have invented new and useful Improvements in Ice-Creepers, of which the following is a specification.

The object of this invention is to construct a creeper which can be readily attached to the shoe of the wearer and which supports pointed spikes located at the heel portion and adjacent to the ball of the foot.

In the accompanying drawings, Figure 1 is a side elevation of the creeper attached to a shoe. Fig. 2 is a plan view in which the holding straps are in section on dotted line *a a* Fig. 4. Fig. 3 is an underface view. Fig. 4 is a lengthwise vertical section on dotted line *b b* Fig. 2. Fig. 5 is a section on dotted line *c c* Fig. 4. Fig. 6 is a section on dotted line *d d* Fig. 2. Fig. 7 is a section on dotted line *e e* Fig. 2.

The creeper comprises a toe section 1 and a heel section 2, these sections having extensions 3 and 4 respectively secured thereto. The extension 3 is formed with a plurality of holes 5 and the extension 4 has a tongue 6 adapted to enter any one of the holes 5. A clasp 7 is fitted around the two extensions 3 and 4 to hold them together but permitting of their adjustment to adapt the creeper to shoes of varying lengths. As the side clamps are the same for the toe and heel sections, the same reference numerals will be applied to both. The cross-plates 8 and 9 are provided with slots 10 and 11 respectively, and three studs 12 pass through these slots and through the sections 1 and 2. Each of the cross-plates 8 and 9 is formed with a plurality of holes 13 and 14 respectively, and a screw 15 passes through one of the holes in each plate, and screw-threads into the sections 1 and 2, also into the extensions 3 and 4 which will hold the cross-plates against movement after being adjusted. Over the cross-plates and over the sections 1 and 2 are secured rubber plates 16 by the rivets 17. These cross-plates have upturned ends 18, and to the upturned ends of the cross bars forming the toe section are secured straps 19 which are connected by a buckle 20. To the extension 4 is secured a

heel strap 21 having its ends connected by a buckle 22. To the underface of each of the sections 1 and 2 is pivoted a plate 23 by the bolts 24 at one end, and their other ends are connected by the screws 25 to the sections 1 and 2. These plates 23 each support two pointed spikes 26 with their heads located between these plates and the sections 1 and 2 as shown at Fig. 5.

The sections 1 and 2 are adjusted as to distance apart to fit the foot, and the cross-bars are adjusted to fit the edges of the sole of the shoe, also the sides of the heel. The toe straps are then tightened, likewise the heel straps, which will securely attach the creeper to the shoe. The pointed spikes will enter the ice and prevent the slipping of the feet of the wearer. When the spikes become worn they may be replaced by loosening the plates 23 and taking them out.

I claim as my invention.

1. An ice creeper comprising a toe section and a heel section adjustably connected, adjustable cross-plates supported by each section, means for holding the cross-plates when adjusted, removable plates secured to the underface of the sections, and spikes held in place by the plates.

2. An ice creeper comprising a toe section and a heel section, one section provided with a plurality of holes and the other section formed with a tongue to enter the holes, a clamp for connecting the sections, a strap connected to the heel section, a strap connected to the toe section, and spikes removably supported by both sections.

3. An ice creeper comprising a toe section and a heel section, one section provided with a plurality of holes, and the other section formed with a tongue to enter the holes, a clamp for connecting the sections, a strap connected to the heel section, a strap connected to the toe section, spikes removably supported by both sections, and a rubber plate for each section.

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

CARL A. SODERBURG.

Witnesses:

A. O. BEHEL,
E. D. E. N. BEHEL.