No. 792,867. PATENTED JUNE 20, 1905.

P. WENZ.

ICE CREEPER.

APPLICATION FILED MAY 18, 1904.

Fig. 1.

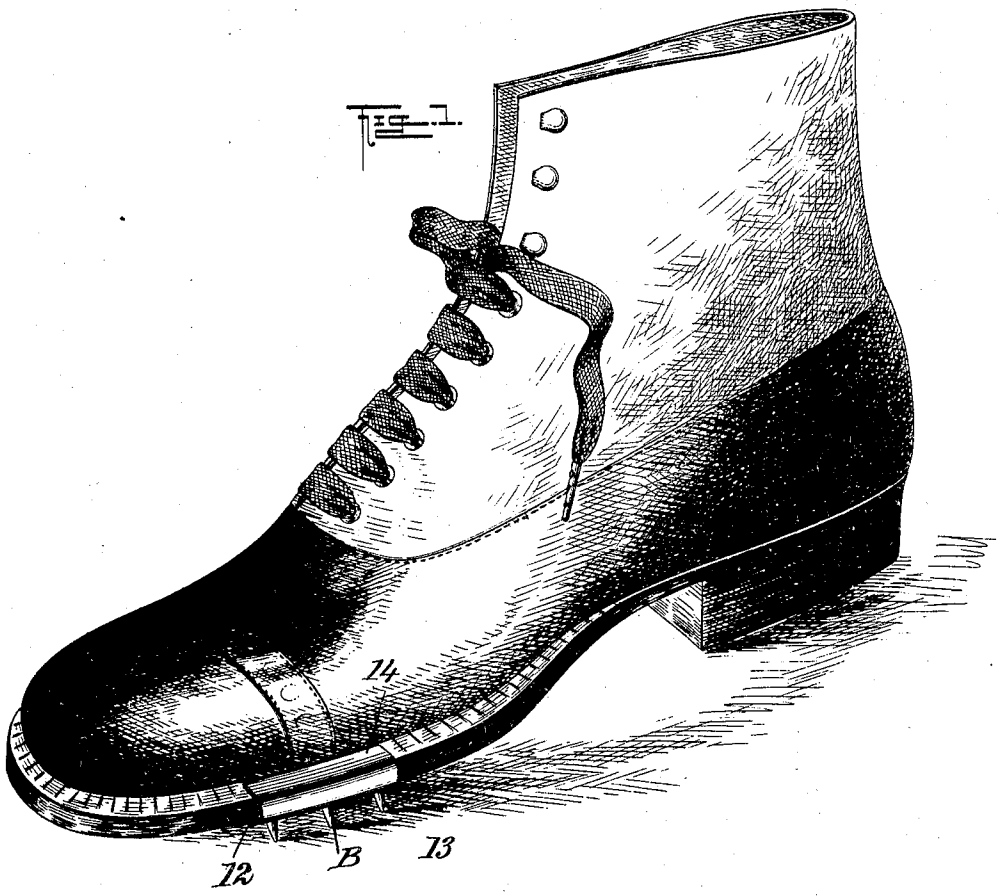


Fig. 2.

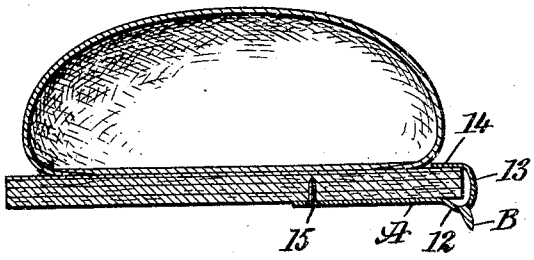
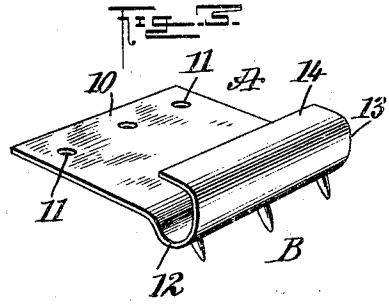


Fig. 3.



WITNESSES:

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BY Munn & Co.

ATTORNEYS

No. 792,867. Patented June 20, 1905.

UNITED STATES PATENT OFFICE.

PETER WENZ, OF NEW YORK, N. Y., ASSIGNOR OF ONE-HALF TO FEODOR ULBRICHT, OF BROOKLYN, NEW YORK.

ICE-CREEPER.

SPECIFICATION forming part of Letters Patent No. 792,867, dated June 20, 1905.

Application filed May 18, 1904. Serial No. 208,554.

To all whom it may concern:

Be it known that I, PETER WENZ, a citizen of the United States, and a resident of the city of New York, borough of Brooklyn, in the county of Kings and State of New York, have invented a new and Improved Ice-Creeper, of which the following is a full, clear, and exact description.

The purpose of my invention is to provide a simple form of ice-creeper which may be expeditiously and conveniently applied to a shoe at the welt, the said creeper being so constructed that a part of its body portion will extend upward above the welt of the shoe between the instep and the toe, while another portion will extend beneath the sole and may be attached thereto by screws or like fastening devices, and, further, the construction of the creeper is such that various spurs extend downward and outward from the outer lower portion of the body of the creeper, enabling the person wearing the creeper to walk over a carpeted or a polished surface, for example, without interfering with such surface, and wherein when a person is traveling over an icy surface by simply canting the foot outward the spurs will penetrate the said icy surface sufficiently to prevent the wearer of the creeper from slipping.

The invention consists in the novel construction and combination of the several parts, as will be hereinafter fully set forth, and pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view of a shoe and the improved creeper applied thereto. Fig. 2 is a cross-section through the toe portion of the shoe and a cross-section through the applied creeper, and Fig. 3 is a detail perspective view of the improved creeper.

The creeper, which is shown in detail in Fig. 3, consists of a body-section A and spurs B. The body-section A is preferably made of brass, steel, or other spring material, metal being preferred, and comprises a plate-section 10, which is flat and is provided with a series of apertures 11, and an outer semicircular section, which is formed by carrying the material downward, forming more or less of a trough 12, and then upward, as is shown at 13 in the drawings, and then in direction of the inner end of the flat portion 10, forming an upper overlying member 14.

The flat portion 10 of the body of the device is adapted to rest against the bottom of the sole of a shoe, as is shown in Fig. 2, and the curled upper portion of the device is adapted to be sprung over the welt of the shoe at a point between the instep and the toe, and the flat portion 10 of the body is secured to the sole of the shoe by means of short screws 15 or equivalent fastening devices.

The spurs B are made of steel and are sharpened at their outer ends. They are secured in the bottom portion of the curled or bowed section of the body by brazing, soldering, or equivalent means, and in securing the said spurs B, which may be one or more in number, usually 3, the said spurs are given an outward and a downward inclination, so that when the device is attached to a shoe and the wearer walks, as usual, over a surface the spurs will not interfere; but when the foot is turned slightly outward the spurs are brought into positive engagement with the surface traveled over, and thus prevents the possibility of slipping.

It will be observed that the device is exceedingly simple and can be expeditiously and conveniently applied to any shoe and can be as quickly and as readily removed when not needed and that, furthermore, the device is thoroughly effective for the purpose intended.

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

1. As an improved article of manufacture, an ice-creeper comprising a body having a flat member to extend beneath the sole of a shoe for a short distance at one side thereof, and an outer upwardly-curled member adapted to receive the welt of the shoe, and spurs extending downwardly and outwardly from the curled member, as described.

2. As an improved article of manufacture,

an ice-creeper, comprising a body formed with a flat section adapted for engagement with the bottom of the sole of a shoe and provided with apertures for fastening devices, and a downwardly, upwardly and inwardly curled outer section, the said body being constructed of a spring material, and spurs extending downwardly from the bottom portion of the outer curled section of the body, as described.

3. As an improved article of manufacture, an ice-creeper, comprising a body formed with a flat section adapted for engagement with the bottom of the sole of a shoe and provided with apertures for fastening devices, and a downwardly, upwardly and inwardly curled outer section, the said body being constructed of a spring material, and spurs extending downwardly from the bottom portion of the outer curled section of the body, the said spurs being secured to the said body and having a downward and an outward inclination, for the purpose specified.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

PETER WENZ.

Witnesses:
J. FRED. ACKER,
JNO. M. RITTER.