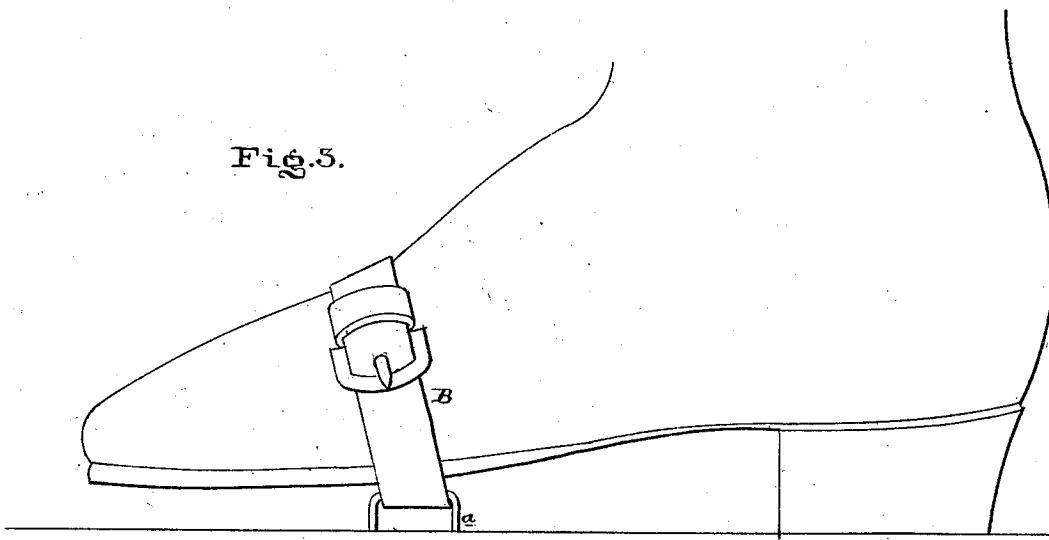
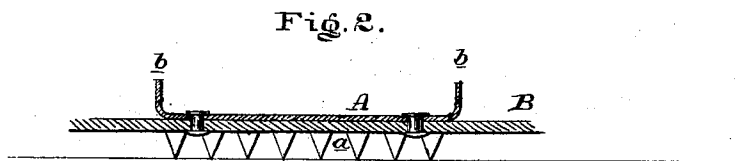
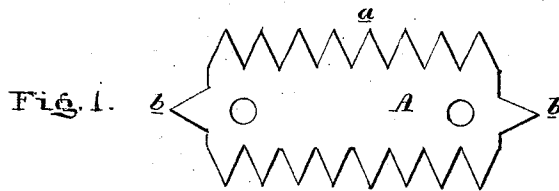


E. F. DIETERICHS.

Ice-Creepers.

No. 128,370.

Patented June 25, 1872.



Witnesses.

A. J. Morris
A. H. Keller

E. F. Dieterichs
By his attys.
Harrison & Co

UNITED STATES PATENT OFFICE.

EMIL F. DIETERICH, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN ICE-CREEPERS.

Specification forming part of Letters Patent No. 128,370, dated June 25, 1872; antedated June 15, 1872.

SPECIFICATION.

I, EMIL FRANK DIETERICH, of Philadelphia, county of Philadelphia, State of Pennsylvania, have invented an Improved Creeper, of which the following is a specification:

Improved Creeper.

Nature and Object of the Invention.

My invention consists of a creeper, constructed in the peculiar manner fully described hereafter, with a view to efficiency as regards the prevention of slipping on the ice, and economy as regards construction.

Description of the Accompanying Drawing.

Figure 1 is a plan view of the steel plate preparatory to being bent and attached to a strap for forming the creeper; Fig. 2, a vertical section of the bent plate attached to the strap; Fig. 3, a view showing the creeper applied to the foot.

General Description.

A plate, A, is cut or punched out to the form

represented in Fig. 1—that is, with teeth *a a* at its opposite edges, and a pointed projection, *b*, at each end. This plate is so stamped, between dies or otherwise, as to bend the teeth *a a* downward and the projections *b b* upward, after which the plate is secured by rivets to a strap, B, furnished with a buckle or other suitable fastening for attachment to the foot, as shown in Fig. 3, the whole forming an efficient creeper for preventing the slipping of pedestrians on the ice.

Claim.

As a new article of manufacture, a creeper, consisting of a steel plate serrated at the edge, and the serrated portion bent, as described, and a continuous strap extending across and secured to the plate, as set forth.

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

E. F. DIETERICH.

Witnesses:

WM. A. STEEL,
HARRY SMITH.