

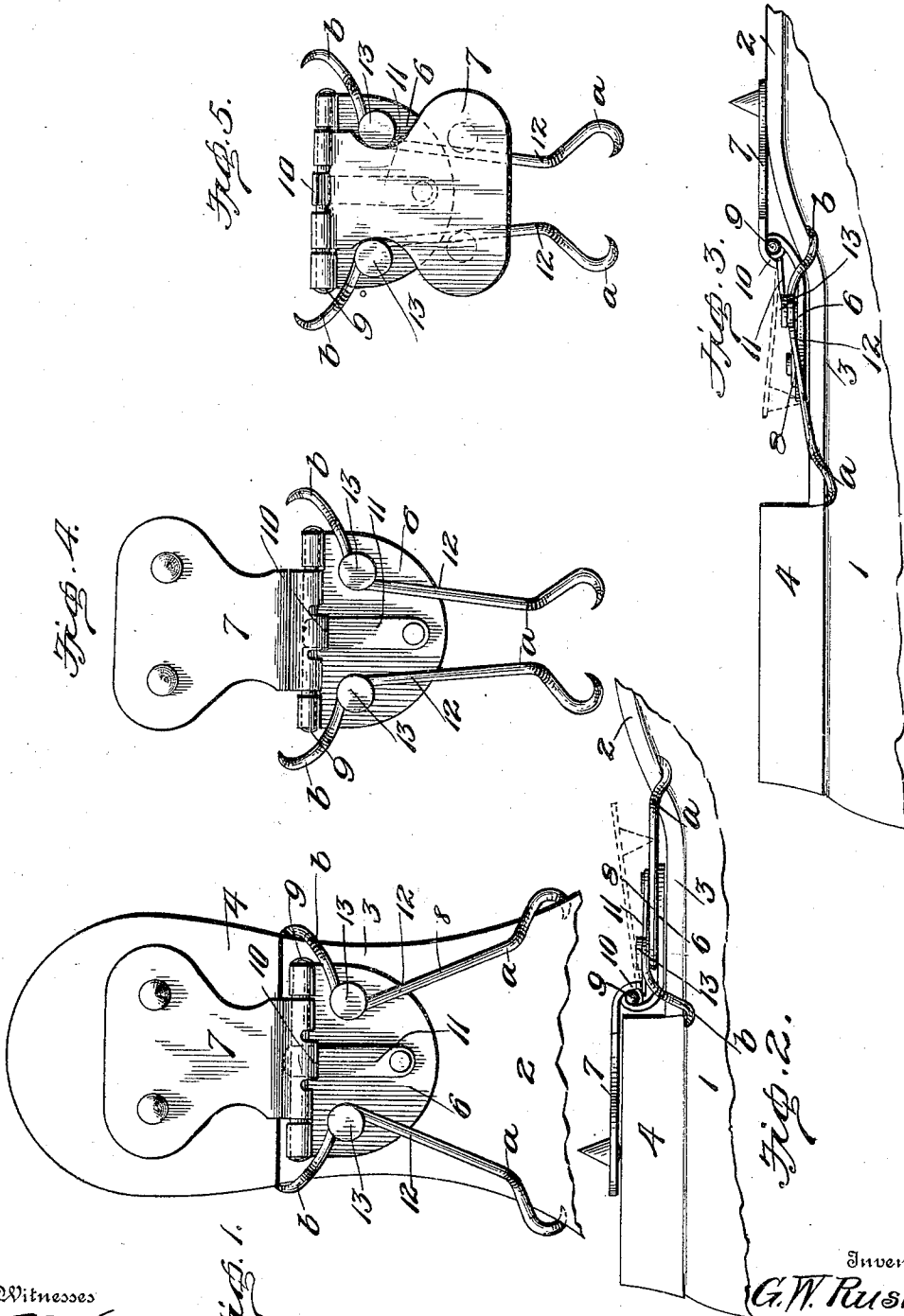
No. 652,488.

Patented June 26, 1900.

G. W. RUSH.
ICE CREEPER.

(Application filed Jan. 25, 1900.)

(No Model.)



Witnesses

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UNITED STATES PATENT OFFICE.

GEORGE W. RUSH, OF ALTOONA, PENNSYLVANIA.

ICE-CREEPER.

SPECIFICATION forming part of Letters Patent No. 652,488, dated June 26, 1900.

Application filed January 25, 1900. Serial No. 2,729. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. RUSH, a citizen of the United States, residing at Altoona, in the county of Blair and State of Pennsylvania, have invented certain new and useful Improvements in Ice-Creepers; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The invention relates to ice-creepers.

The objects of the invention are to provide a device of this character which may be easily and quickly applied to and removed from a shoe and which may be folded up under the arch in the sole of the shoe and be out of the way when occasion does not require its use; furthermore, to provide a device of this character capable of reversal, whereby it may be applied to the heel or to the sole of a shoe at a point immediately below the ball of the foot, and, finally, to provide a device of this character which shall be simple of construction, durable in use, and comparatively inexpensive of production.

To these ends the invention consists in certain features of construction and combination of parts, which will be hereinafter fully described and claimed.

In the accompanying drawings, Figure 1 is a bottom view of a portion of a shoe, showing my improved ice-creeper applied to the heel thereof and ready for use. Fig. 2 is a side elevation showing the creeper applied to the heel of the shoe. Fig. 3 is a similar view showing it applied to the sole of a shoe. Fig. 4 is a detail plan view of the creeper removed and ready to be applied to the shoe. Fig. 5 is a similar view showing the parts folded.

In the drawings the same reference characters indicate the same parts of the invention.

1 denotes the shoe, 2 the sole, 3 the arch, and 4 the heel.

The ice-creeper comprises the base-plate 6, the studded plate 7, and the spring levers or arms 12, having clamping-jaws. The studded plate 7 is hinged to one edge of the plate 6 by a pintle 9 and is provided with a lug 10, which is engaged by a leaf-spring 11, one end of

which is fixed to the base-plate. This spring will hold the studded plate either in its operative position, as shown in full lines in Figs. 2 and 3, or in folded position, as shown in dotted lines in said figures.

The spring levers or arms 12 are pivoted upon headed studs 13, projecting from the base-plate. The levers are formed with two sets of clamping-jaws *a b*, which are in the form of hooks and are adapted to bend over the edge of the sole and engage the upper surface thereof, as shown in Figs. 1, 2, and 3, and thus securely hold the creeper to the shoe. As shown in Figs. 1 and 2, the studded plate is applied to the heel of the shoe. When it is desired to apply it to the sole of the shoe at a point below the ball of the foot, it is simply reversed or turned around and secured in place by the spring-clamp, as hereinbefore described. When conditions are such as not to require the use of the creepers, they may be folded or swung upward against the arch of the sole, where they will be out of the way, or, if desired, they may be entirely removed from the shoe by releasing the spring-clamp. When the studded plate is in a position for use or is folded up out of use, it will be securely retained in either position by the spring 11, bearing against the lug 10.

From the foregoing description, taken in connection with the accompanying drawings, the construction, operation, and advantages of my improved ice-creeper will be readily apparent without requiring an extended explanation.

It will be seen that the device is simple of construction, that said construction permits of its manufacture at small cost, and that it is exceedingly well adapted for the purpose for which it is designed.

It will of course be understood that various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

Having thus described the invention, what is claimed, and desired to be secured by Letters Patent, is—

In an ice-creeper, the combination with a

base-plate, of a studded plate hinged thereto,
and spring-arms pivoted intermediate their
ends to said base-plate and having at each
end a clamping-jaw, the jaws of one arm co-
5 acting with the jaws of the other arm, sub-
stantially as set forth.

In testimony whereof I have hereunto set

my hand in presence of two subscribing wit-
nesses.

GEORGE W. RUSIL.

Witnesses:

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JAMES MORGAN.