

W. H. Winans

Shoe-Lifter.

N<sup>o</sup> 72144

Patented Dec. 10, 1867.

Fig. 1

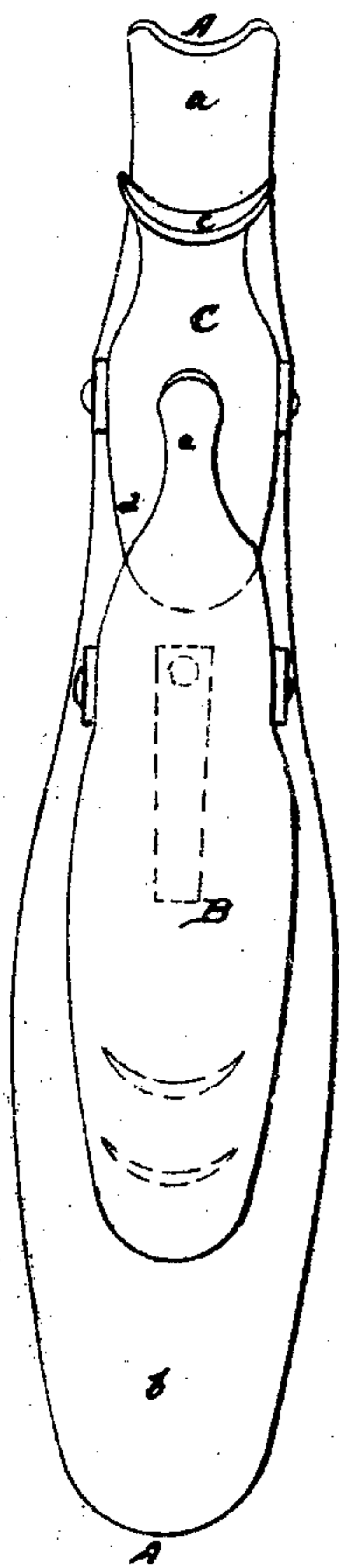
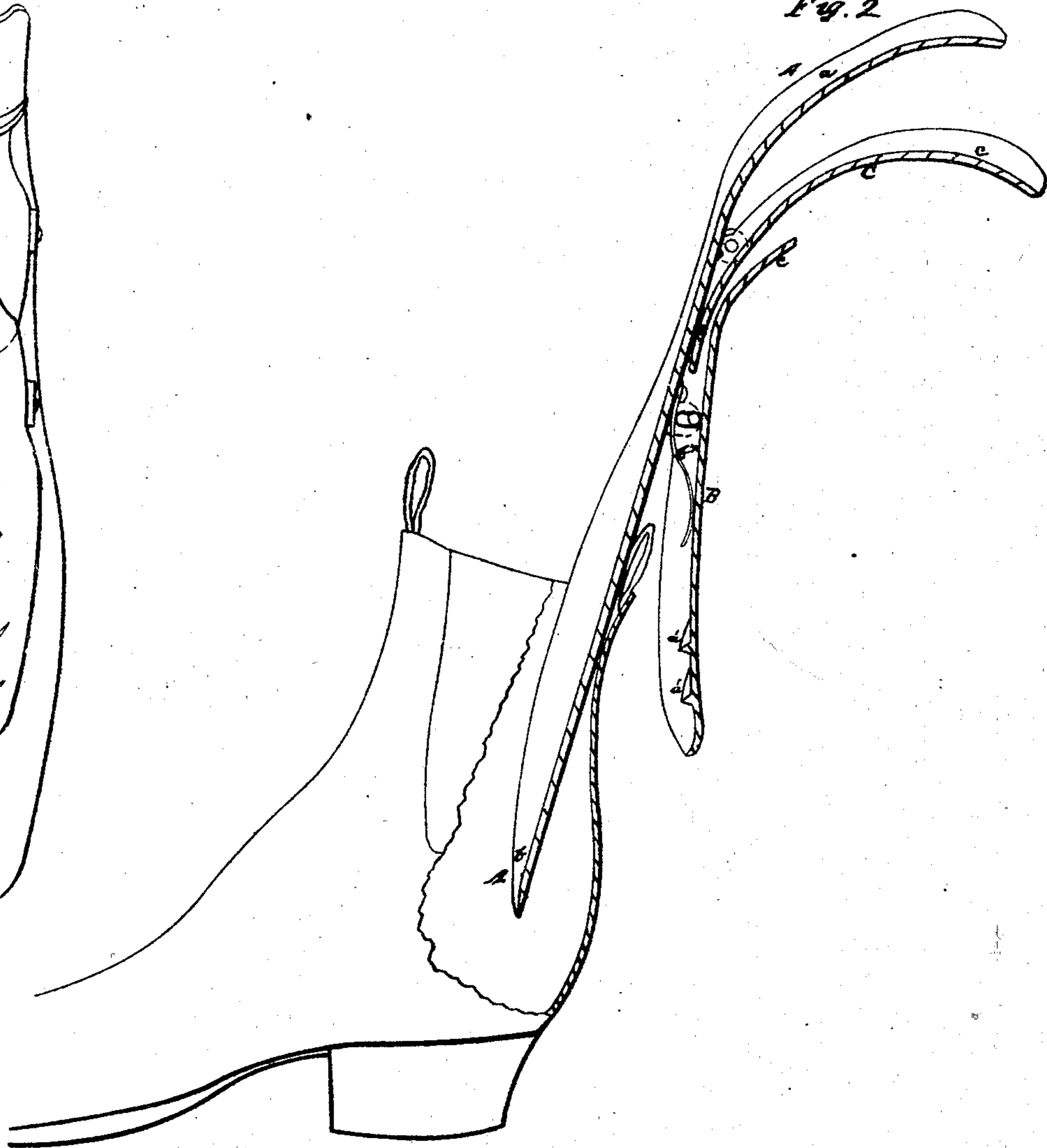


Fig. 2



Witnesses.

J. Combs  
H. H. H. H.

Inventor.

Wm H. Winans

# United States Patent Office.

WILLIAM H. WINANS, OF NEWARK, NEW JERSEY.

*Letters Patent No. 72,144, dated December 10, 1867.*

## IMPROVEMENT IN SHOE-LIFTERS.

*The Schedule referred to in these Letters Patent and making part of the same.*

### TO ALL WHOM IT MAY CONCERN:

Be it known that I, W. H. WINANS, of Newark, in the county of Essex, and State of New Jersey, have invented certain new and useful Improvements in Shoe-Lifters; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, making a portion of this specification, in which—

Figure 1 is a back view of a shoe-lifter made according to my invention.

Figure 2 is a longitudinal section of the same, taken at right angles to fig. 1.

The object of this invention is to provide a means whereby any difficulty that may arise in drawing gaiters or shoes upon the feet, either from the tightness of the gaiter or shoe, or by the loss of the straps thereof, may be very effectually and conveniently obviated.

The invention consists in the combination of a lever-plate, griping-plate, and holding-lever, whereby an implement is formed especially adapted to the purpose mentioned.

The invention further consists in certain novel means whereby the convenience with which the implement may be applied for use, and the tenacity of its hold upon the shoe or gaiter, is materially increased.

To enable others to understand the construction and operation of my invention, I will proceed to describe it with reference to the drawings.

A represents an oblong metal plate, the upper part, *a*, of which is narrowed and bent back to form a lever or handle, and the lower part, *b*, of which, taken transversely, is made wider, and is concave in its front or outer surface, and convex at its back. Pivoted to the back of this plate A, as shown at *a\**, and near the centre thereof, is a smaller plate, B, also made concavo-convex in its cross-section, to correspond, as near as may be, with the form of the plate A, and which constitutes a griping-plate, operating, in connection with the lower part, *b*, of the plate A, to grasp the back of the shoe or gaiter, as hereinafter presently fully set forth. Pivoted to the back of the plate A, at a point above the griping-jaw B, is a lever, C, which is curved, and brought into such position that, when its upper arm, *c*, is pressed toward the part *a* of the plate A, the lower arm, *d*, thereof will act upon the upper extremity, *e*, of the griping-plate B, and move the same toward the broad lower portion of the just hereinbefore-mentioned plate A.

It should be mentioned that the griping-plate B is furnished, at its forward or concave side, with teeth or studs, *a'*, which enable it to grasp the back of the shoe or gaiter with increased firmness when the implement is used; and, furthermore, a spring, *b\**, is so applied between the plate A and the griping-plate B as to press outward the lower part of the plate B, to enable the implement to be conveniently applied to the shoe or gaiter.

In using the implement, the back of the shoe or gaiter is inserted between the lower portion of the plate A and the griping-plate B, as shown in the red outline in fig. 2, whereupon, the upper part, *a*, of the plate A, and the upper arm of the lever C, being grasped by the hand, and brought toward each other, the plates A B clamp or clasp the back of the shoe or gaiter between them, the teeth or studs *a'* enabling a firm hold to be had upon the said back. This being done, the foot is inserted into the opening of the shoe or gaiter, and the back is drawn upward over the heel of the foot, the heel sliding easily upon the smooth concave surface of the plate A, and the implement enabling the back part of the shoe or gaiter to be drawn upward upon the foot.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The combination of the lever-plate A, griping-plate B, spring *b*, and holding-lever C, substantially as and for the purpose specified.
2. The teeth or studs *a'*, provided upon the inner surface of the griping-plate B, and arranged in relation with the back of the plate A, substantially as and for the purpose specified.

Witnesses:

A. LE CLERC,  
J. W. COOMBS,

WM. H. WINANS.