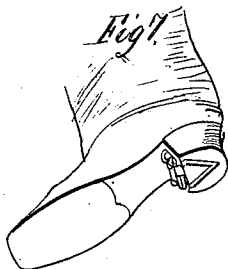
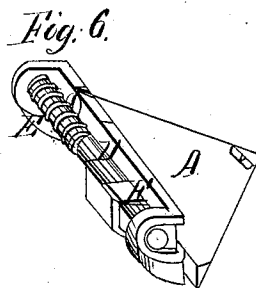
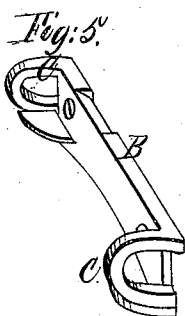
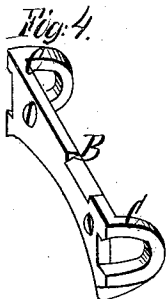
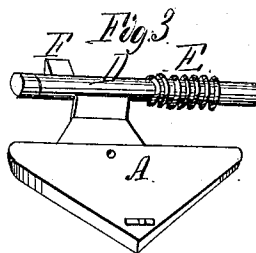
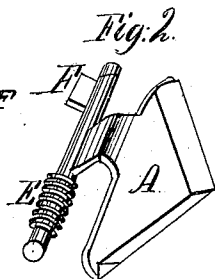
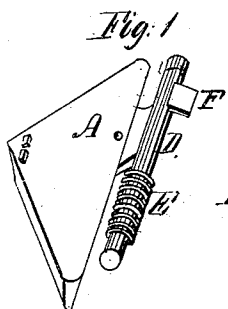


M. V. B. White,

Ice Creeper.

N^o 60,811.

Patented Jan. 1, 1867.



Witnesses:
David H. Mansell
Chas. Wickham

Inventor:
M. V. B. White

United States Patent Office.

MARTIN V. B. WHITE, OF BALLSTON, NEW YORK.

Letters Patent No. 60,811, dated January 1, 1867.

IMPROVED ICE-SPUR.

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, MARTIN V. B. WHITE, of the village of Ballston, in the county of Saratoga, and State of New York, have invented a certain new and improved "Ice-Spur;" and I do hereby declare that the following is a full, clear, and exact description of the same, reference being hereby had to the accompanying drawings, which form and make a part of this specification.

Like letters represent and refer to like or corresponding parts.

Figures 1, 2, and 3, are perspective views showing in different positions my said improved "ice-spur" and clearly representing the various parts thereof, each being more fully hereinafter described and set forth.

Figures 4 and 5 are also perspective views showing the piece of metal B, which is designed to be permanently fastened to the boot or shoe, and to and by means of which the said ice-spur A is fastened on to the heel of the boot or shoe, substantially in the manner and for the purposes hereinafter fully described and set forth.

Figure 6 is a perspective view of the spur A and piece B, attached and combined together, as they would be when the said spur is attached to the heel of a boot or shoe, substantially as hereinafter described and set forth.

Figure 7 is a view of a boot or shoe, having attached thereto my said improved "ice-spur," and fully showing the manner in which it is designed to attach the said spur to the said boot or shoe, substantially as hereinafter described and set forth.

The nature of my said invention consists in constructing an "ice-spur" in two distinct or separate pieces, one piece, B, being securely and permanently fastened to the heel of the boot or shoe, while the other piece, A, containing the spur, is designed to be adjustable, so that it may be attached or detached from the piece B on the heel of the boot or shoe when desired, by means of any suitable mechanical means that may be deemed best, substantially as hereinafter fully described and set forth.

To enable others skilled in the art to which my invention relates to make and use the same, I will here proceed to describe the construction and operation of the same, which is as follows, to wit:

I construct the various parts of my said improved "ice-spur" of wrought iron or any other metal that will answer the required purpose. The piece B is attached to the front end of the heel of the boot or shoe by means of screws or otherwise, and it is not necessary to remove the same for the purpose of attaching the said spur A to the boot or shoe, as aforesaid. Upon each end of the said piece B, are projections, C C, having holes through the same, which are for the purpose of allowing the said spur A to be attached to the same when desired, as hereinafter described. The spur A may be of any shape, size, or style desired, and when desired to fasten the same to the heel of a boot or shoe, the shank or arm, D, is slipped through the holes in the projections C C, on the piece B, and is securely held in its place upon the heel of the boot or shoe by means of the spring, E, shown at figs. 1, 2, 3, and 6, in the accompanying drawings. F, figs. 1, 2, 3, and 6, is a projection upon the arm D which prevents the said spur A from dropping forward when attached to the heel of a boot or shoe in the manner and by the means aforesaid. By these means I am enabled to construct an "ice-spur" that is adjustable and one that can be attached to or detached from the heel of a boot or shoe at the pleasure of the wearer. It is obvious that the said spur A, may be made detachable from the said piece B or its equivalent, by any mechanical means deemed best without altering the character of my invention, but I have only deemed it necessary to describe the arm or shank D and spring E as being one of the best devices for that purpose.

Having thus described the nature of my said invention and improvements, what I claim as my invention, and desire to secure by Letters Patent of the United States of America, is—

The combination of the detachable and adjustable ice-spur A, with the metallic piece B, or its equivalent, operating in the manner and for the purposes substantially as herein fully described and set forth.

In testimony whereof I have hereunto set my hand this 12th day of November, A. D. 1866.

M. V. B. WHITE.

Witnesses:

DANIEL MAXWELL,
C. H. WICKHAM.