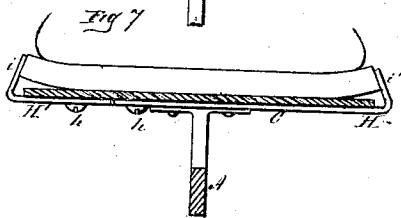
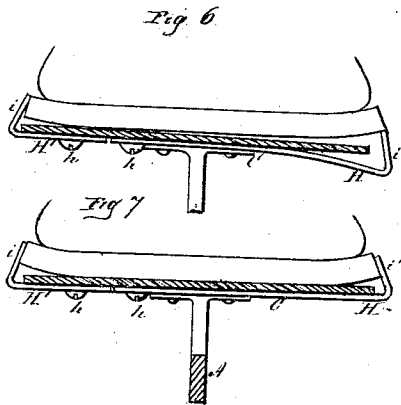
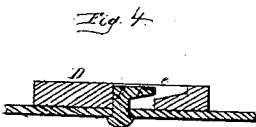
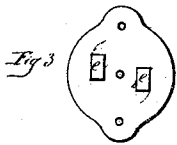
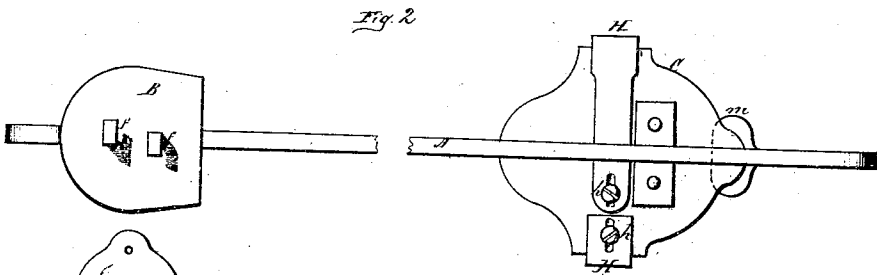
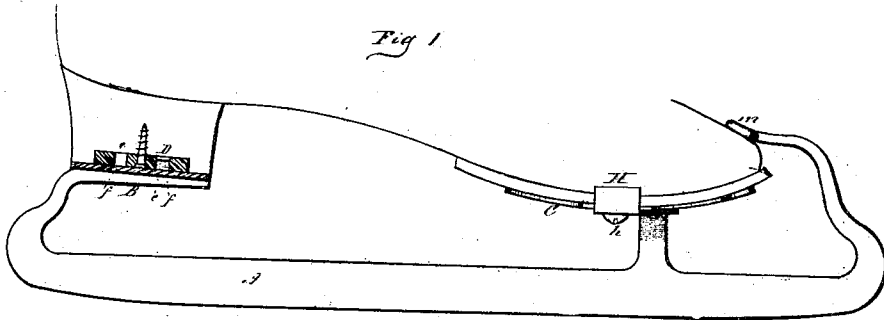


G. V. Scobey,

Skate.

No. 101,523.

Patented Apr. 5. 1870.



Witnesses
Wm. C. Curtis
Jas. K. Jones

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Attorneys.

United States Patent Office.

GEORGE V. SCOBEEY, OF WATERLOO, ASSIGNOR TO HIMSELF AND REUBEN WOOD, OF SYRACUSE, NEW YORK.

Letters Patent No. 101,523, dated April 5, 1870.

IMPROVEMENT IN SKATES.

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, GEORGE V. SCOBEEY, of Waterloo, in the county of Seneca and State of New York, have invented certain new and useful Improvements in Skates; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings making part of this specification, in which—

Figure I is a side elevation of my improved skate.

Figure II is a top plan of the heel portion, and bottom plan of the foot portion of the same.

Figure III is a plan of the heel-plate.

Figures IV and V are sectional detached views, showing the manner of attaching the skate of the heel-plate.

Figures VI and VII are cross-sectional views, showing the manner of attachment to the foot.

Like letters of reference indicate corresponding parts in all of the figures.

My improvements relate to that class of skates which are secured to the foot without the use of straps, the attachment being effected by a lock-fastening or clamp at the heel, and by side-clamps grasping the edges of the soles of the boot in front.

The invention consists—

First, in the special construction and operation of the heel-lock.

Second, of a self-adjustable spring in combination with the overlapping toe-plate formed by the backward extension of the skate-runners, for attaching the skate to the foot.

In the drawings—

A represents the skate-runner;

B, the heel-rest, and

C the foot-rest.

D is a heel-plate which is designed to be fitted and permanently attached to the heel of the boot by screws, as shown.

It has two holes, *e e*, formed through it to correspond with two pins or keys, *f f*, projecting from the heel-rest B.

These keys are formed with a wing or vane, *f*, projecting in opposite directions, beveled on the under side toward the ends, as shown in figs. IV and V.

The heel-rest being applied to the heel of the boot, these keys enter the holes *e e*, when, by giving the skate a partial turn in the direction shown by arrow, fig. II, to bring it in its proper position under the foot, the wings or lugs *f* will overlap the edges of plate around the holes, and wedge the plates B D firmly together.

This wedging action and double fastening is due to the use of the two keys constructed and arranged as

above stated, a single stud with a wing on each side, which is in use, not accomplishing this purpose of wedging the two plates together.

H H' represent the guards or jaws for retaining the skate to the foot.

They consist of two bars secured to the under side of the foot-rest by screws, *b*, fitted in slots in the bars, as shown in fig. II, the outer ends *i i'* of the bars being turned upward at each side of the foot-rest, and inclined slightly inward so as to conform to the edge of the sole of the boot when adjusted thereto.

The set-screw which secures the guard H to the foot-rest is arranged at a sufficient distance from the edge of the plate to permit the free end of the guard to be sprung away from the plate, and thus operate as a spring.

The guards H H' being adjusted to the width of the sole of the boot, and heel attached as before described, the foot-rest is applied to the sole, the edge of which is arranged against the comparatively rigid guard H.

By pressing the skate against the bottom of the sole, the spring-guard H is sprung down, as shown in fig. VI, which gives the end of the guard a slight lateral movement sufficient to carry it beyond the edge of the sole, and permit it to overlap the same and resume its former position, as shown in fig. VII.

The toe-plate *m* of the skate engages with the toe of the boot by overlapping and pressing down on the same a little to one side of the big toe.

This plate thus pressing at the front, and the guards retaining the foot against lateral displacement as well as co-operating with the toe-plate in holding the skate to the bottom of the boot, together form a secure fastening that permits of the most ready attachment.

The skate is detached with equal facility by simply pressing slightly on the spring-guard H, which may be turned slightly outward, if desired, so as to form a projection for the purpose.

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

1. The keys *f f*, provided with beveled wings *f* projecting in opposite directions, when constructed and arranged with the holes *e e* of the heel-plate, so as to operate as set forth.

2. The self-adjusting spring-guard H in combination with the guard H' and toe-plate *m*, constructed, arranged, and operating as described.

GEO. V. SCOBEEY.

Witnesses:

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