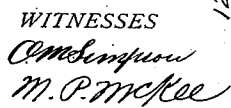


ICE SKATE,
APPLICATION FILED MAR. 12, 1912.

Patented Sept. 22, 1914.



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ICE-SKATE.

1,111,246.

Specification of Letters Patent.

Patented Sept. 22, 1914.

Application filed March 12, 1912. Serial No. 683,386.

To all whom it may concern:

Be it known that I, WILLIAM STEWART BUTTON, a citizen of the United States, residing at Riverside, in the county of Riverside and State of California, have invented certain new and useful Improvements in Ice-Skates, of which the following is a specification.

This invention relates to improvements in ice skates and it has for an object to provide an ice skate for receiving heel and sole plates.

Another object of the invention is to provide an ice skate having means whereby shock will be absorbed rather than transmitted to the wearer.

With the above and other objects in view which will be more fully set forth later on in the specification, I have invented the device illustrated in the accompanying drawings in which,

Figure 1 is a side elevation of my improved skate, and Fig. 2 is a sectional view taken on line 2—2 of Fig. 1 and showing the under surface of the heel and sole plate.

Like reference characters indicate like parts in the specification and in the several views of the drawings in which—

1 indicates a skate runner having projecting portions 2 and 3 for supporting a heel plate and projecting portions 4 and 5 for supporting a sole plate. The heel plate 7 is provided with guide members 8, 9, 10 and 11, rigidly connected to the end portion of said plate 7 and which are spaced apart in order to straddle the members 2 and 3. Each of the supporting members are provided with elongated slots 12 in the lower ends

thereof which are slidable over the pins 13 in the members 2 and 3. Seated under the central portion of the heel plate is a spring 14 which depends into the space between the members 2 and 3 and over the member 16 and against the surface 17 whereby said heel plate 7 is held out of contact with the members 2 and 3, and is supported entirely by means of said spring.

The sole plate 18 may be made preferably of spring steel or other flexible material and is secured at its forward portion to the projecting member 6 and is supported at its rear portion by means of the spring 19 and held in position by the members 20, 21, 22 and 23 in the same manner as the heel plate is supported.

My improved skate may be secured to the sole of a shoe by means of screws or in any other suitable or desirable manner.

I do not limit myself to the construction shown and described, but

What I desire to secure by Letters Patent is:

In a skate, a runner, upstanding projections formed thereon, a plate, spaced brackets arranged in pairs at the ends of the plate and engaging the opposite sides of the projections, said brackets having alining slots formed therein, pins extending from the projections through the slots, and a spring disposed between the plate and runner.

In testimony whereof I affix my signature in presence of two witnesses.

WILLIAM STEWART BUTTON.

Witnesses:

RENA E. SMITH,
CHAS. E. JOHNSON.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."