(No Model.)

R. W. KYDD.

SNOW SKATE.

No. 452,608. Patented May 19, 1891.

Fig. 3.

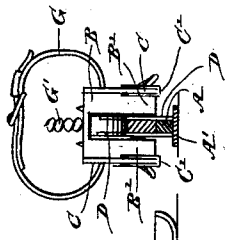


Fig. 1.

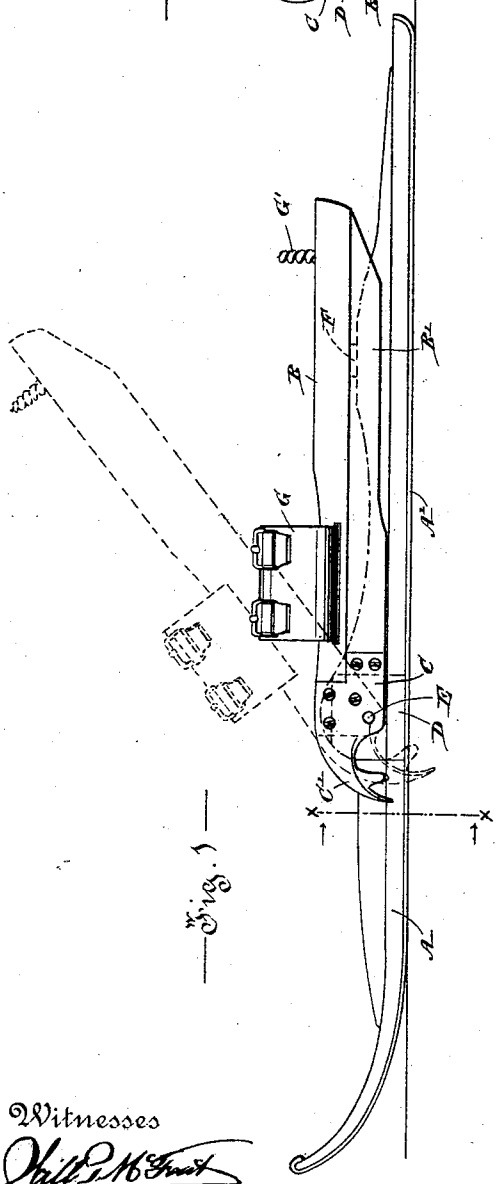
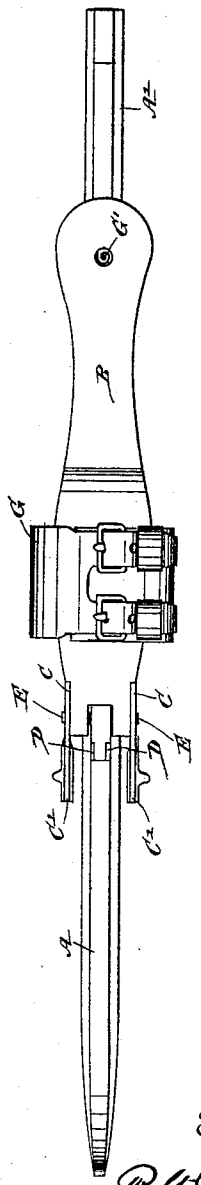


Fig. 2.



Witnesses

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UNITED STATES PATENT OFFICE.

ROBERT WALTER KYDD, OF LONGUEUIL, CANADA.

SNOW-SKATE.

SPECIFICATION forming part of Letters Patent No. 452,608, dated May 19, 1891.

Application filed February 21, 1891. Serial No. 382,308. (No model.) Patented in Canada January 20, 1891, No. 35,839.

To all whom it may concern:

Be it known that I, ROBERT WALTER KYDD, of the town of Longueuil, in the county of Chambly, and Province of Quebec, Canada, have invented a certain new and useful Improved Snow-Skate, (for which I have obtained Letters Patent of the Dominion of Canada, No. 35,839, granted January 20, 1891;) and I do hereby declare that the following is a full, clear, and exact description of the same.

This invention provides a skate adapted for use on roadways or beaten tracks.

It consists of a runner which bears on the snow and a foot-block surmounting such runner and pivoted at its forward end to same, so as to allow of oscillation to accommodate the position of the foot, and such forward end carries projections which at the end of a stride and upon the elevation of the heel become inserted in the roadway, thus affording the necessary grip required for one foot while making a step with the other.

For full comprehension, however, of the invention reference must be had to the annexed drawings, in which like symbols indicate corresponding parts, and wherein—

Figure 1 is a side view of my snow skate; Fig. 2, a plan view of same; and Fig. 3, a transverse section on line *x x*, Fig. 1.

A is the runner-body, preferably of wood and faced on its under side with an iron strip A′, which is by preference made somewhat wider than the body for the greater part of its length and tapering to coincide with the forward end of same, which is narrowed and curved upward, as shown in Fig. 1. On this runner, which can be of any desired length, is mounted the foot-block, constructed either of wood or metal in saddle form—that is, with an upper bearing-surface B and downwardly-projecting sides B′ B′. The forward ends of these sides B′ B′ carry metal plates C, having downwardly-curved claw-like extensions C′ projecting forward from them, and the runner-body A also has at the required point for pivoting the foot-block to it metal plates D D on either side, so that proper bearings are provided for the pivot-pin E, preferably in rivet form, and the requisite strengthening of the parts secured.

The upper edge of the runner-body, which is deepest at the pivoting-point, takes the form of an arc, as shown by dotted lines in Fig. 1, and the front of the foot-block is correspondingly shaped to effect a nicely-fitting joint.

In the channel formed between the sides of the foot-block and nearly beneath the heel I insert an elastic cushion F, which, being located between the bearing-surface B and the body of the runner, imparts a degree of springiness not undesirable.

To secure the foot to the foot-block, any of the well-known skate-fastenings, other than the strap G and screw G′ shown, may be adopted, as they form no part of my invention.

The action of the parts of the skate and the manner of using it may be thus described: The straightforward or snow-shoe step is what is required instead of the sidewise stroke used in ice-skating, and as the heel is elevated at the end of a step or stride the claw-like extensions at the toe of this foot catch in the snow and a grip is secured, whereby a powerful stride with the other foot can be made.

What I claim is as follows:

1. A snow-skate composed of a runner which bears on the snow, and a foot-block (with fastening devices) surmounting such runner, capable of oscillation to accommodate the movement of the foot and provided with means for effecting a grip on the snow at the end of a step, as set forth.

2. A snow-skate composed of a runner which bears on the snow, and a foot-block (with fastening devices) surmounting such runner, pivoted at its forward end to same and carrying at such end claw-like extensions, all as and for the purposes set forth.

3. In a snow-skate, the combination of the runner A A′, foot-block B B′ B′, (with fastening devices,) claw-like extensions C′, and pivot-pin E, as set forth.

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