

G. L. JACQUES.
SKEE SKATE.
APPLICATION FILED OCT. 21, 1912.

1,101,631.

Patented June 30, 1914.

Fig. 1.

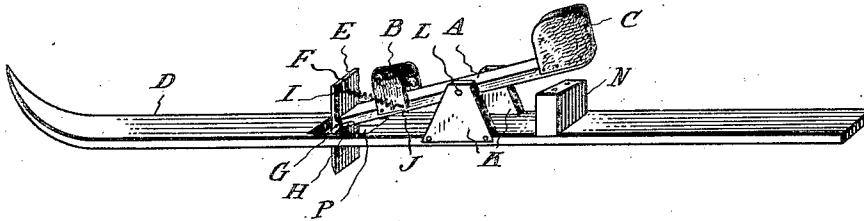


Fig. 2.

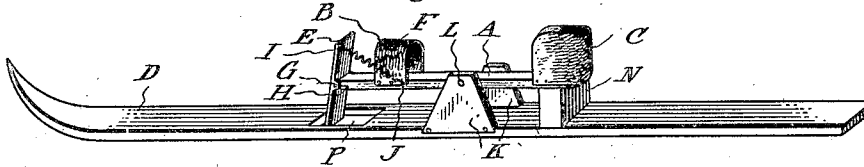


Fig. 3.

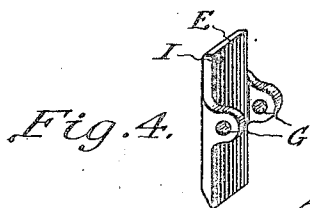
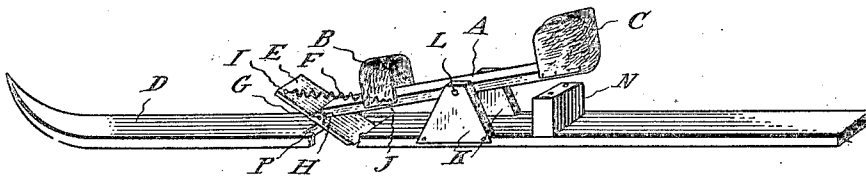


Fig. 4.

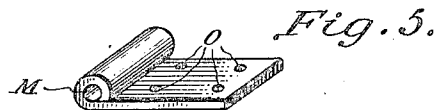


Fig. 5.

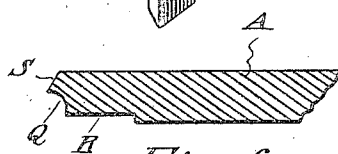


Fig. 6.

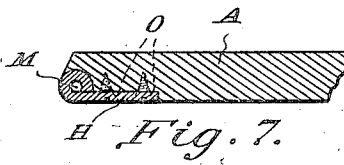


Fig. 7.

Witnesses:
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UNITED STATES PATENT OFFICE.

GEORGE LANDER JACQUES, OF NEILLSVILLE, WISCONSIN.

SKEE-SKATE.

1,101,631.

Specification of Letters Patent.

Patented June 30, 1914.

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To all whom it may concern:

Be it known that I, GEORGE LANDER JACQUES, a citizen of the United States, residing at Neillsville, in the county of Clark and State of Wisconsin, have invented a new and useful Skee-Skate, of which the following is a specification.

My invention relates to improvements in skees or skates in which the foot of the operator rests upon a tilting foot platform slightly elevated above the sliding surface of the skee or skate, and pivoted upon a fulcrum near the center of the operator's foot with straps or sheath attached to said tilting foot platform to hold the operator's foot in place; said tilting foot platform having attached to the forward end a tilting dog held in an upright position by a coiled spring and being opposite and passing through an opening in the skee or skate so as to enter and embed itself in the snow or ice over which the skee or skate is moving by the operator throwing his weight upon his toes, causing the forward end of said tilting foot platform to tilt downward carrying said dog through said opening in the skee or skate into the snow or ice underneath the skee or skate; said dog tilting upon a fulcrum at the lower front edge of said tilting foot platform and so arranged that when it enters the snow underneath the skee or skate, if the skee be pushed backward the said dog will remain rigid and allow the operator to shove himself forward sliding on the skee or skate on the other foot, but said dog is so arranged that if the skee or skate slide forward while said dog projects into the snow or ice underneath the skee or skate the said dog will tilt backward under said tilting foot platform so as not to impede the forward movement of the skee or skate or trip the operator; the tilted position of said tilting foot platform when said tilting dog is projected into the snow or ice underneath the skee or skate also affording the operator a better position and support for his foot to enable him to push backward with his foot against said inclined foot platform in propelling himself forward on the skee or skate on the other foot; and the objects of my improvements are to enable the operator wearing one of said skees or skates, on each foot by allowing his weight to rest upon the back part of, or evenly on his foot

to hold the dog out of the snow or ice and slide forward unimpeded and as either foot in going through the motion of walking assumes a rear position and as the skee or skate at the same time comes to a stop in its forward motion the operator's weight naturally falling upon the forepart of his foot causes the front of said foot platform carrying said dog to tilt downward projecting said dog into the snow or ice underneath, and the operator at the same time pushing vigorously backward with his foot against said inclined tilting foot platform, the other foot being in a forward position the operator will propel himself forward sliding upon the other foot while reversing the position of his feet until the other foot assumes a backward position when the operator will repeat with the other foot the vigorous backward push thus enabling the operator by alternately pushing backward with either foot to slide rapidly forward in long strides, and also to afford such an arrangement of said dog that if it be inadvertently or accidentally projected downward into the snow at a time when the skee or skate is moving forward the said dog will not catch and trip the operator, but will incline backward under said tilting foot platform sliding over the snow or ice and not impede the forward movement of the skee or skate, but when the skee or skate is stopped in its forward movement and the operator pushes backward the spring will cause said dog to assume an upright rigid position and stop the backward movement of the skee or skate enabling the operator to push against it and propel himself forward.

Figure 1 is a detailed view in perspective of the entire improved skee or skate showing the position of said tilting foot platform and the dog carried by it when the operator tilts the forward end of the tilting foot platform down and pushes violently to the rear. Fig. 2 is a detailed view in perspective of the entire improved skee or skate showing the position of said dog and tilting foot platform when the tilting foot platform is held by the operator in a horizontal position while sliding forward on said skee or skate. Fig. 3 is a detailed view in perspective of the entire improved skee or skate with a portion of the frame work of the skee or skate removed so as not to obstruct

the view showing the position assumed by said dog if the operator inadvertently tilts said tilting foot platform downward while sliding forward upon that skee or skate.

5 Fig. 4 is a detailed view in perspective of said dog removed from the tilting foot platform. Fig. 5 is a detailed view in perspective of the plate and boxing attached to the lower forward edge of said tilting foot platform to carry the shaft upon which the tilting dog is pivoted as said plate appears when removed from said tilting foot platform and detached from said tilting dog. Fig. 6 is a sectional view of the forward end of said tilting foot platform with said tilting dog and plate removed. Fig. 7 is a sectional view of the forward end of said tilting foot platform and said plate and boxing.

Similar letters refer to similar parts throughout the several views.

20 The runner D and the brackets K and the support N constitute the framework of the improved skee or skate. Passing through the brackets K and the tilting foot platform A is a shaft L upon which the tilting foot platform A turns when the forward end thereof is tilted up or down; the brackets K are fastened to the runner D by bolts or screws; the support N is attached by screws or bolts to the runner D and is a support to the tilting foot platform A to hold it in a horizontal position when the operator throws his weight upon his heel or evenly on his whole foot; the toe band B at each end thereof is attached to the outer edges of the forepart of the tilting foot platform A forming a sheath on the upperside of the tilting foot platform A in which the foot of the operator is thrust and inclosing the front part of the operator's foot holding it in position and preventing it from slipping forward; the sheath C is attached to the outer edge of the rear part of the tilting foot platform A and holds the heel of the operator's foot in position and prevents it from slipping backward, this sheath may be constructed with a strap passing over the operator's instep but I prefer to carry out my invention with a sheath constructed substantially as shown in the accompanying drawings.

50 The tilting foot platform A is constructed at the front end with portions cut away as shown at R and Q to receive the plate H which is attached to the tilting foot platform A by screws at O; through the hole in the plate H at M and the holes G in the dog E a shaft or bolt passes carrying the tilting dog E and upon this shaft said tilting dog E turns; the tilting foot platform A at its front end has the slanting shoulder S against which the tilting dog E presses holding said dog E in an upright rigid position when pressure is applied to its rear surface, at the lower end; said shoulder S being con-

70 structured at such an angle that when the tilting foot platform A is tilted downward as shown in Fig. 1, the tilting dog E will be vertical; the said dog E is held in that position by the spiral spring F attached to said dog E at I and attached to the outer side of the tilting foot platform A at J. If pressure be applied to the forward surface of the lower end of the tilting dog E, its lower end turns backward and upward against the lower surface of the tilting foot platform A, the said dog turning on the shaft at M, but as soon as said pressure is removed the contraction of the spiral spring F causes the said dog E to instantly assume an upright vertical position as shown in Figs. 1 and 2.

80 The opening P is cut out of the runner D to enable the dog E to pass downward into the snow or ice when the forward end of the tilting foot platform A is tilted downward and to enable the lower end of the dog E to turn backward and upward toward or against the lower surface of the tilting foot platform A as shown in Fig. 3.

90 My invention may be carried out with or without the support N but I prefer to carry out this feature of my invention with the support N.

95 I am aware that prior to my invention skees have been made with a tilting foot plate pivoted to the runner thereof. I therefore do not claim such a combination broadly; but

I claim:

100 1. The combination in a skee or skate of a runner, a foot plate pivoted thereto, a tilting dog pivoted at its middle portion to the forward end of said foot plate, a spiral spring connecting the upper end of the tilting dog to the forward part of the foot plate for normally maintaining the tilting dog in a position substantially perpendicular to the runner.

110 2. The combination in a skee or skate of the tilting foot platform A pivoted to the runner thereof, carrying the tilting dog E pivoted to the forward end of said foot platform with the runner D having the opening P therein and the brackets K attached to said runner carrying the shaft L upon which said foot platform A is pivoted to said runner substantially as set forth and described.

120 3. In a skee or skate, the combination of a runner carrying brackets and provided with an opening in front of said brackets, and a support at the rear of said brackets, a foot platform pivoted intermediate its ends to the brackets the rear end of which is adapted to rest at times on said support, said platform carrying means to secure the same to the foot, a tilting dog secured to the forward end of said foot platform having its lower end extend through the open-

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ing in the runner, a spring secured to the
upper end of the tilting dog and to the foot
platform tending to move the upper end of
the said dog rearwardly, and a stop on the
5 foot platform to limit the rearward motion
of said dog.

4. The combination in a skee or skate of a

runner, a tilting foot plate pivoted thereto,
a tilting dog attached to the forward end
of said foot plate.

GEORGE LANDER JACQUES.

Witnesses:

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