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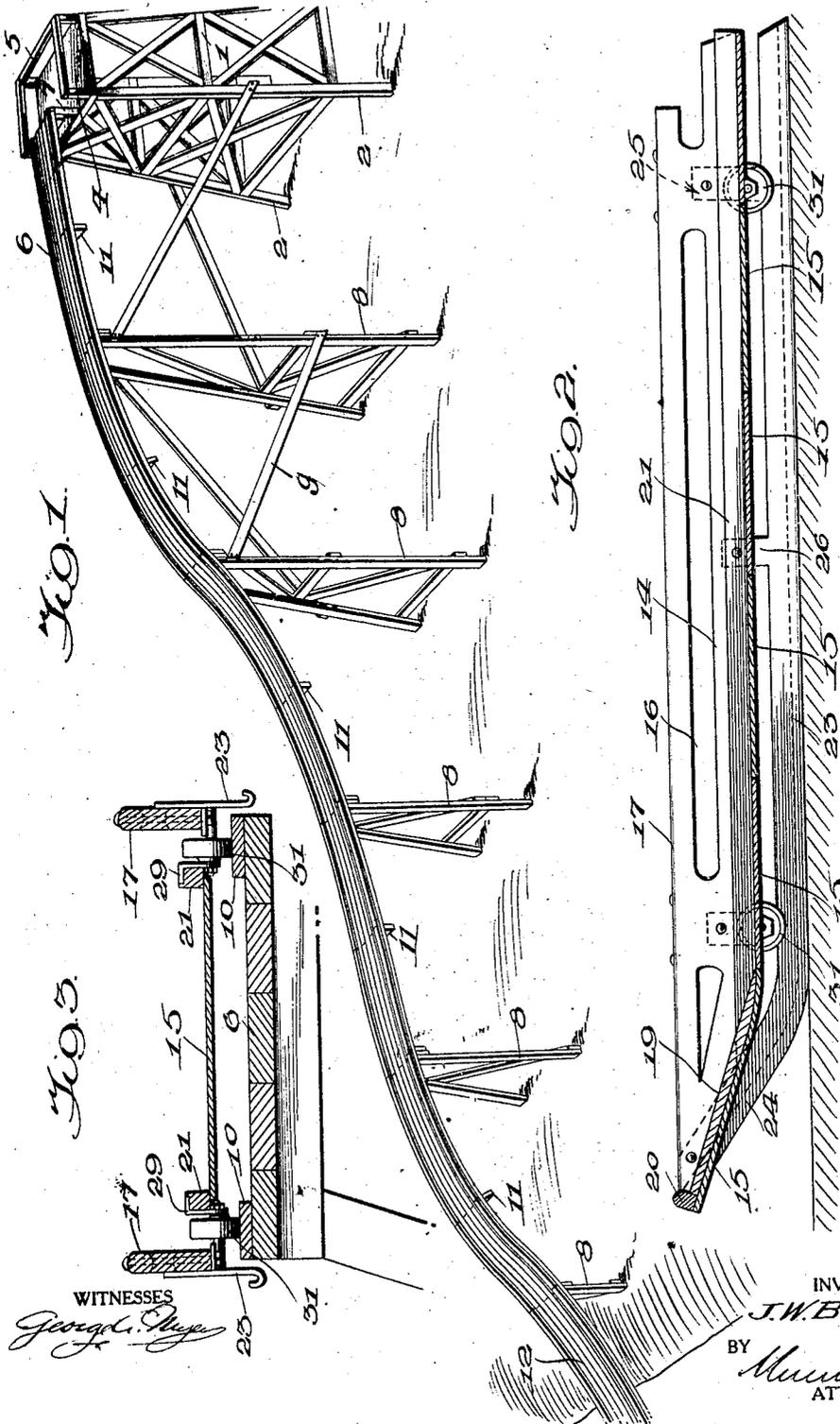
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J. W. BERNARDY

TOBOGGAN SLIDE

Filed Feb. 18, 1925

2 Sheets-Sheet 1



WITNESSES  
*George H. [Signature]*

INVENTOR  
**J. W. BERNARDY,**  
BY *Murray [Signature]*  
ATTORNEYS

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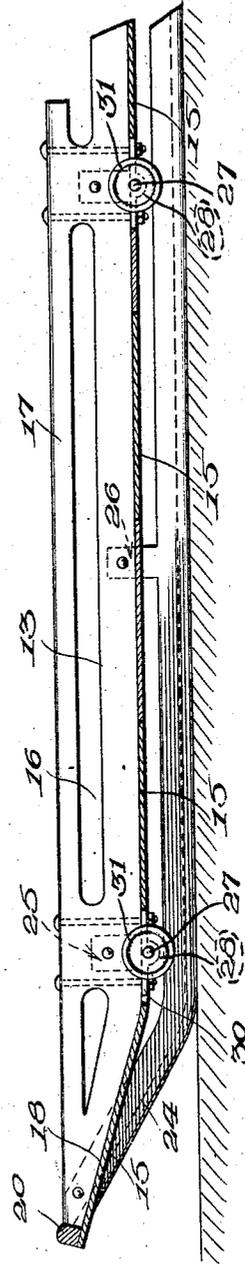
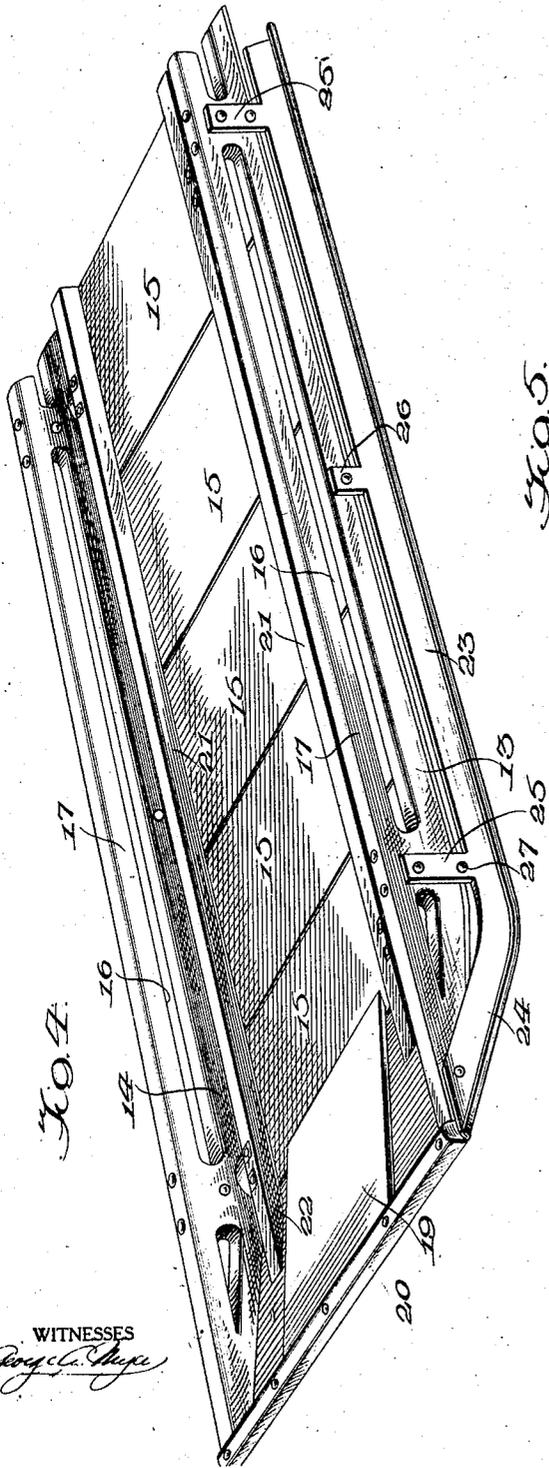
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2 Sheets-Sheet 2



WITNESSES  
*George C. Thayer*

INVENTOR  
*J. W. BERNARDY*  
BY *Alvin Koo*  
ATTORNEYS

# UNITED STATES PATENT OFFICE.

JOHN WILLIAM BERNARDY, OF BEARDSLEY, MINNESOTA.

## TOBOGGAN SLIDE.

Application filed February 18, 1925. Serial No. 10,126.

This invention relates to toboggan slides and has for its object the provision of a device forming a runway for directing a toboggan from a higher point to a lower point and in which the inner or starting end of the track is elevated above the platform where-  
 5 by persons are not required to get down on their hands and knees in order to properly seat themselves in the toboggan.

A further object of the invention is the provision of a runway formed of a plurality of boards bent to shape and secured together at spaced intervals by transverse cleats so that the runway when completed will practically be equivalent to a runway formed of a single board throughout its width and length.

A further object of the invention is the provision of a toboggan of sufficient strength to safely transport persons upon a runway and having wheels for supporting the slide with depending runners to not only aid in maintaining the toboggan upon the runway but to act as guides when the toboggan has reached the water and also to act as runners for supporting the toboggan upon the ice during the winter months.

This invention will be best understood from a consideration of the following detailed description, in view of the accompanying drawing forming a part of the specification; nevertheless it is to be understood that the invention is not confined to the disclosure, being susceptible of such changes and modifications which shall define no material departure from the salient features of the invention as expressed in the appended claims.

In the drawings:

40 Figure 1 is a view in perspective of the runway for a toboggan.

Figure 2 is a side view of the toboggan.

Figure 3 is a transverse vertical section of the toboggan.

45 Figure 4 is a view in perspective of the toboggan.

Figure 5 is a longitudinal vertical section of the toboggan.

Referring more particularly to the drawings, a trestle generally designated by the numeral 1 is formed at a convenient position and at some distance from a body of water. The trestle or bridge-work is made in any approved manner having legs 2 which are in-

clined inwardly at their upper end and suitably braced by bars 3.

A platform 4 is formed a sufficient distance from the ground to give the runway the proper incline so that the toboggan will readily move downwardly at a sufficient velocity for the purpose. A railing 5 is located at the peripheral edges of three sides of the platform 4. At the forward edge of the platform which is free of the railing the upper end of the runway 6 is secured upon posts 7.

The runway is curved at various points forming undulations as may be desired and supported at spaced intervals by trestles 8. Brace bars 9 connect the various trestles in any approved manner and sufficient braces are employed for the purpose. This runway is formed of strips of lumber 2 inches thick, 4 inches wide and 24 feet long. These lengths of board are so placed together that their ends are placed in staggered relation and the strips are bolted, nailed or fastened together in any approved manner with cross cleats every 4 feet making a track 2 inches thick and 17½ inches wide and of any length desired. This construction provides a runway of such character that the runway would appear to be constructed of a single board 2 inches thick, 17½ inches wide and of the full length of the runway. In other words the strips of lumber are supported as shown by the trestles 8 at every 8 feet and are braced by means of cleats 11 four feet apart. Spaced longitudinal metal tracks 10 are secured to the slide along the edges of said slide.

The outer end 12 of the runway projects over a body of water so that when the toboggan reaches the lower end the same is projected directly upon the surface of the water or where ice has been formed upon the surface of the water the toboggan will slide over the ice after it leaves the end of the runway.

The toboggan is constructed by providing a pair of longitudinally disposed side bars 13 and 14 to which are secured transverse bars 15 forming the base and a seat for a person. The side bars are slotted as shown at 16 providing hand grips 17. The forward ends of the side bars 13 and 14 are sheared off at an angle as shown at 18 and a foot board 19 is secured to the base board

15 at this point. A cleat 20 is fastened to the forward end of the foot board and the side bars embracing the forward end of the toboggan. Cleats 21 are secured to the base board 15 in spaced relation with each other and with the side bars 13 and 14 and are disposed longitudinally of the toboggan. The forward ends of the cleats are sheared off as shown at 22 and connected to the upwardly inclined base boards 15.

Metal runners 23 are provided at their forward ends with upwardly inclined portions 24 which are secured in any approved manner to the forward ends of the side bars 13 and 14. At spaced points along the runners upstanding brackets 25 and 26 are provided which are secured to the respective side bars.

The brackets 25 are perforated to receive one end of an axle 27. This axle is supported intermediate its ends by means of a bearing 28 secured to the bottom of the side bars 13 and 14 adjacent the forward and rear ends of said side bars. The inner end of the axle is received within a perforation in a bracket 29 which is secured to the cleats 21 which depend through an opening 30 in the base boards 15 and are provided with perforations to receive the other end of the axle 27. A roller 31 is mounted on each axle and is adapted, when the toboggan is in position on the slide 6, to ride on the tracks 10. In this position of the toboggan the runners 23 depend below the tracks 10 and are in close association with the side edges of the slide 6 so that when the toboggan is travelling downwardly on the slide the runners 23 will engage the side edges of the slide and prevent the toboggan from being accidentally discharged from said slide. The runners will also act as a guide when the toboggan has been catapulted into the water at the end of the slide. Furthermore when the slide is used during the winter months the runners will provide means for carrying the toboggan over the ice.

What I claim is:

1. A toboggan slide for a runway comprising a base member forming a seat, rollers carried by the base member adapted to support the base on the runway, and runners depending from said base member and embracing the opposite longitudinal edges of the runway.

2. A toboggan slide for a runway comprising a base member forming a seat, rollers carried by the base member adapted to support the base on the runway, and runners depending from said base member and embracing the opposite longitudinal edges of the runway, said runners being extended below the upper face of the runway, and hand grips at the sides of the base member.

3. A toboggan slide for a runway comprising a base member forming a seat, rollers carried by the base member adapted to support the base on the runway, and runners depending from said base member and embracing the opposite longitudinal edges of the runway, means for supporting the runners laterally from said base member, said runners extending substantially the length of said base member.

4. A toboggan slide comprising a base member, spaced side bars secured to the base member, metal runners secured at their forward ends to the forward end of the base member, brackets connected to the side bars and to the runners, said base member being provided with spaced openings, a bracket secured to the base and projecting through each opening, an axle carried by a pair of the first and second mentioned brackets, and a bearing receiving an axle and secured to the lower edge of the side bar, rollers mounted for rotation on the ends of the axles, the bottom edges of the runners being disposed in a plane below a plane which passes through the extreme lower portions of the rollers.

JOHN WILLIAM BERNARDY.