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AMUSEMENT DEVICE.


To all whom it may concern:

Be it known that we, ABEL KIANSTEN and JOHN NELSON, subjects of the Czar of Russia, and residents of New York, in the county of Bronx and State of New York, have invented certain new and useful Improvements in Amusement Devices, of which the following is a specification.

This invention relates to amusement devices, and more particularly to what is commonly known as the loop-the-loop, and its object is to provide an inclined plane terminating in a loop and having slots throughout the length of the plane and loop within which trolleys extending from roller skates are adapted to play and be retained while the user of the skates may race by gravity down the incline and around the loop without danger of leaving the common surface and at the same time simulating a daring feat which might be accomplished, but generally attended by too much risk when continually undertaken without the safety provisions herein more fully explained.

In the accompanying drawings, wherein:

Figure 1, is a side elevation of the device, Fig. 2, is a plan view, Fig. 3, is a cross sectional view of the plane on a larger scale, Fig. 4, is a side view of the angle-piece track with a skate secured thereto, Fig. 5, is an end view of the skate.

The ordinary loop-the-loop affords a thrilling experience to not only the party taking the ride by means of centrifugal action around the interior of the loop, but the witnesses of the act are also excited to wonder and surprise as the car containing the riders completes its trip. It is very evident, however, that the car is an element of safety, but a similar trip by an individual on roller skates, while possible, might be attended by dangers which in average cases would result in violent accidents if not safeguarded.

In order to insure safety to the operator, the incline track (10) as shown in the drawings, is provided at its upper end with a starting platform (11) and railing (12), while its lower end is circular, forming the loop (13) and the terminal (14). Suitable supports (15) connect the track with a base (16) and side braces may be provided where found necessary. Throughout the length of the track are two slots (17) formed by the space between the horizontal sides of angle irons (18), whose vertical members (19) are secured to the longitudinal beams (20) of the track. Additional angle beams (21) line the opposite sides of the beams (20) and form the chambers (22) within the slots (17). Outer strengthening beams (23) are provided at each side of the track and flooring (24) and a sheathing (25) cover the beams and present a smooth appearance on each side. The operator wears roller skates whose axles (26) carry the trolley arms (27) with rollers (28) at their outer ends and when the skates are normally used the trolley rollers (28) are swung up in the position shown in Fig. 4, but when the performer wishes to skate down the track and loop-the-loop, the latter rollers are swung to the vertical position also shown in this view and the arms placed in the slot (17) so that the trolley rollers are within the channel (22) and beneath the horizontal ends of the angle bars (19) and the skates are prevented from leaving the tracks and as the performer turns around the loop, he is safe against accident and the skates pass out of the terminal (14). Both of the ends of the slots are open so that the trolley arms are free to pass in or out and as the skates strike the floor, the trolley rollers are thrown back and up, out of the way and in no way impeding the progress of the skater.

In order that the skater may brace himself and not be thrown from his vertical position with relation to the track, each skate carries at its front the upright rod (29) with a hand loop (30) at its top and braces (31) running to the rear of the skate. Such a support is necessary because the various positions assumed by the performer during his trip would invariably throw the most active athlete from his upright position if some means were not offered him to remain in a standing position.

The skate is provided with the necessary straps to secure the feet of the skater and it is obvious that the device may be otherwise modified without departing from the essential features above described.

What we claim as new is:

1. In an amusement device, the combination with supports, of a slotted track comprising a starting platform, incline, loop and terminal; angle irons forming the slots and channels adapted to receive trolley roll-
ers and retain skater to which they are attached on the track, and longitudinal beams and sheathing.

2. In an amusement device, the combination with a slotted track comprising a starting platform, an incline, a loop and a terminal and adapted to accommodate skates having trolley rollers to enter the slots, of angle irons forming the slots and retaining the rollers, and longitudinal beams and sheathing.

3. The roller skate, having trolley rollers to enter slots made of angle irons retaining it against the common surface, the trolley rollers being provided with springs causing them to spring backward and upward to the base of the skate without interfering with the motion of the skate on a common surface; the skate being also provided with an upright rod with a hand loop at its top braced to the rear of the skate.

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Witnesses:

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