

J. C. TUTT.
 ROLLER COASTER SKATE.
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1,138,263.

Patented May 4, 1915.

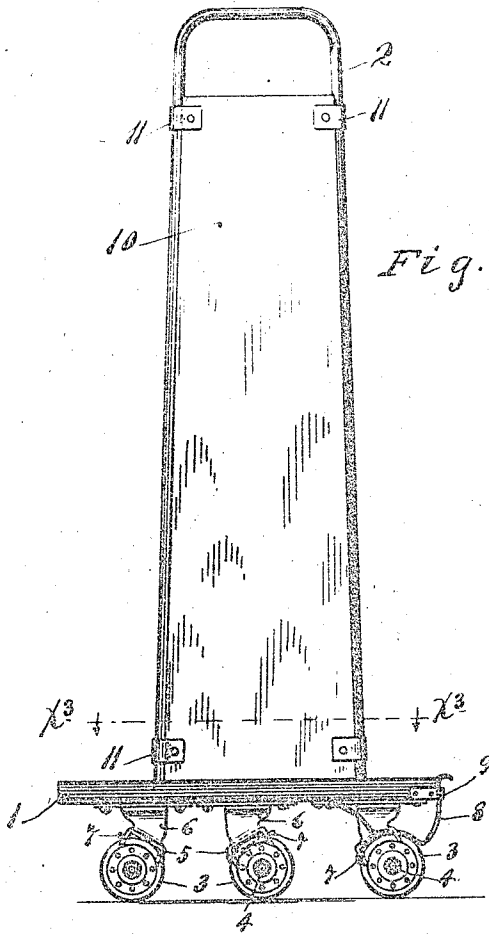


Fig. 1

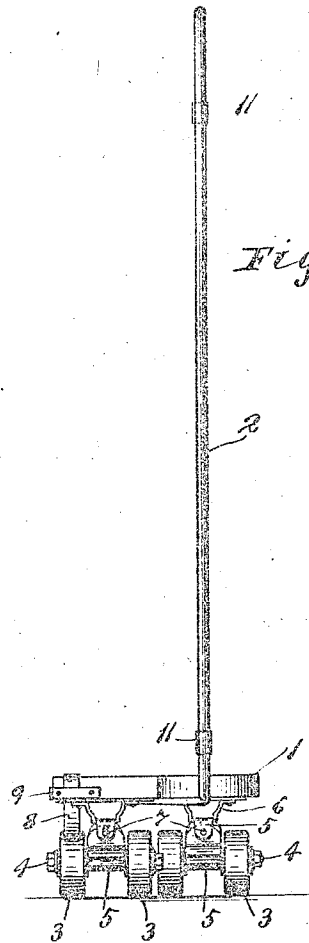


Fig. 2

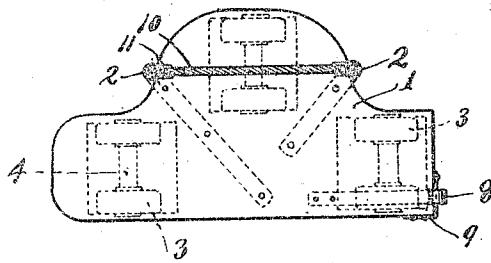


Fig. 3

Witnesses.
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UNITED STATES PATENT OFFICE.

JOHN CRITTENDEN TUTT, OF ST. PAUL, MINNESOTA.

ROLLER-COASTER SKATE.

1,138,263.

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To all whom it may concern:

Be it known that I, JOHN CRITTENDEN TUTT, a citizen of the United States, residing at St. Paul, in the county of Ramsey and State of Minnesota, have invented certain new and useful Improvements in Roller-Coaster Skates; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention has for its object to provide an improved roller coaster skate, and to such ends, generally stated, the invention consists of the novel devices and combinations of devices hereinafter described and defined in the claims.

Hitherto, roller coaster skates have been made by applying the rollers of roller skates to small foot platforms and in providing the platform with handles rising from the front ends thereof. The rollers employed in my improved coaster are also preferably of the roller skate type.

As one feature of this invention, in addition to applying two pairs of rollers, one ahead of the other, I apply a third pair at a point laterally offset from, but midway between the longitudinally aligned pair of rollers.

As another feature of the invention, instead of applying the hand piece or handle at the front end of the foot platform, I apply the same at one side thereof. This handle is preferably in the form of a bail or inverted U-shaped rod, the lower ends of which are bent laterally and secured to the bottom of the platform, so that they reinforce the same, and the upper portion of which is adapted to be conveniently gripped by the hand, so that the platform may be held firmly to the foot even when the foot is raised.

Another feature of the invention is found in the brake which is arranged to be operated by stepping on the same, and which operates on one or more of the wheels.

In the accompanying drawings which illustrate the invention, like characters indicate like parts throughout the several views.

Referring to the drawings: Figure 1 is a view in side elevation showing the improved roller coaster skate; Fig. 2 is a rear elevation of the same; and Fig. 3 is a horizontal section taken on the line $x-x$ on Fig. 1.

The so-called foot platform 1, as preferably constructed, is provided with an outwardly projecting portion to which the lower ends of a bail 2 is applied. This bail 2 is formed from a stiff metal rod, the lower ends of which are bent horizontally at an angle to each other and are extended under and rigidly secured, preferably by rivets, to the intermediate portion of the said platform, so that they not only rigidly secure the bail in respect to the platform, but reinforce the platform. This latter feature is of particular importance when the platform 1 is made of wood, as will usually be the case. The platform 1 is supported by three small two-wheeled trucks which may be, and preferably are, of the identical type found on roller skates. Of the parts of these trucks, it is only necessary to particularly note the wheels 3, axles 4, axle bearing brackets 5 and anchoring brackets 6. The anchoring brackets 6 are riveted, or otherwise rigidly secured to the platform 1. The brackets 5 and 6 are pivotally connected by oblique pins 7, and the said brackets 5 and 6 are yieldingly held in intermediate position by spring devices not shown, but which may be such as found in roller skate construction. However, in some instances, I may employ trucks that are not yielding and may, in some cases, employ three one-wheeled trucks, or simply three wheels disposed in the relative arrangement above noted.

The brake 8 is preferably constructed from a thin bar of spring steel, one end of which is attached to the bottom of the platform 1, one end of which extends upward through a keeper 9 on the rear end of the platform, and the intermediate portion of which is curved so that it will engage and closely fit the underlying truck wheel. The spring tension of the brake bar or lever 8 is such that, normally, it is held out of contact with the truck wheel, but may be pressed against the said truck wheel when the rear upper end thereof is stepped upon by the heel, or other portion of the foot applied on the platform.

The numeral 10 indicates a plate or board applied between the legs of the bail 2, and, as shown, secured thereto, by clips 11. This board 10 will conveniently serve as an advertising board upon which advertising matter may be printed, or otherwise applied. It is important to note that the board 10

terminates below the top of the bail-like handle, so as to leave a space through which the hand or fingers may be passed for gripping the upper portion of the said handle.

5 The coaster shown is intended to be used with the right foot, leaving the left foot free for engagement with the side walk or floor, over which the coaster is run. The disposition of the bail-like handle at one
10 side, to-wit, at the outer side of the foot, permits the upper portion thereof to be engaged by the right hand, without throwing the body out of its natural position, and furthermore, permits, as already indicated,
15 the platform to be held against the foot when the foot is raised.

The triangular offset disposition of the rollers gives lateral stability to the coaster, so that it will not easily tip over. At the
20 same time, by tilting the device from one side to the other, it may be steered. This steering action is due to the reversed oblique arrangement of the pivot pin 7, and is an action which takes place in roller skates.

25 As a possible modification of the device within the scope of my invention, I would suggest that a platform with a laterally offset handle might be used in connection with

a skate runner applied to the underside of the said platform. 30

What I claim is:

1. A coaster comprising a platform having a support permitting it to travel and provided with a bail-like handle offset at one side of the intermediate portion thereof; 35 rising above the same, and having the lower ends of its legs bent horizontally and secured to said platform.

2. A roller coaster comprising a platform, rollers in triangular arrangement supporting said platform, and a handle secured to one side of said platform and rising from the intermediate portion thereof. 40

3. A roller coaster comprising a platform, rollers in triangular arrangement supporting the same, and a bail-like handle offset from one side of the intermediate portion of said platform having the lower ends of its legs bent horizontally and rigidly secured to said platform. 50

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

JOHN CRITTENDEN TUTT.

Witnesses:

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