F. A. AMAN.

ROLLER COASTER.

APPLICATION FILED FEB. 14, 1916.

1,253,768.

Patented Jan. 15, 1918.

Fig. I.

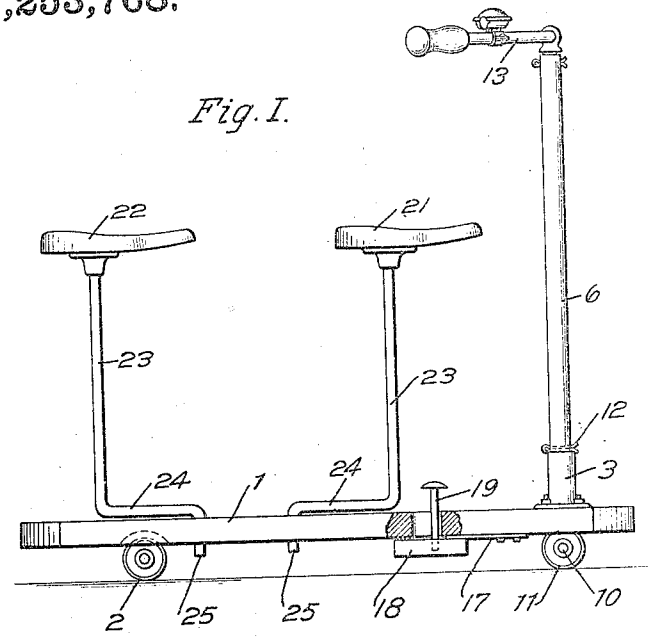


Fig. 2.

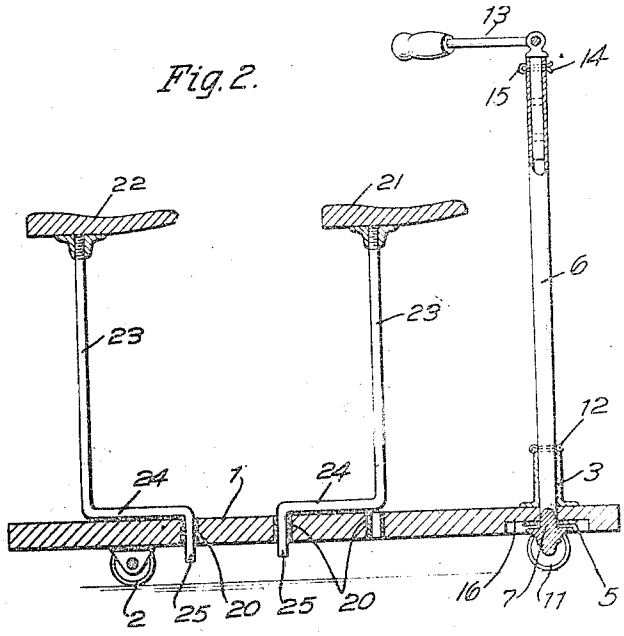
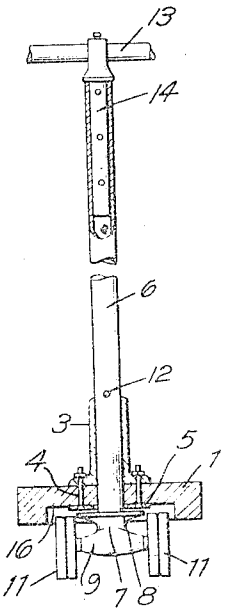


Fig. 3.



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ROLLER-COASTER.

1,253,768. Specification of Letters Patent. Patented Jan. 15, 1918.

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To all whom it may concern:

Be it known that I, FRANK A. AMAN, a citizen of the United States, and a resident of Cincinnati, in the county of Hamilton and State of Ohio, have invented certain new and useful Improvements in Roller-Coasters, of which the following is a full, clear, and exact description, reference being had to the accompanying drawing, forming part of this specification.

My invention relates to coasters of the type wherein a low and narrow board is provided for a child to stand on with one foot and push with the other. In devices of this kind, it has been found advantageous to provide seats and handle bars for steering, and it is the object of my invention to provide a durable, simple and inexpensive structure for the above purposes.

One of the particular objects of my invention is to provide a seat which may be quickly mounted or dismounted from the board and also swung out of the way of a foot when propelling the device as above noted. It is also an object to provide a pair of seats for two children and also to make the seats and handle bars adjustable for children of different sizes. Again it is the object to provide a simple steering device which will not get out of repair and can be constructed and assembled at small cost.

These objects and other advantages to be noted I accomplish by that certain construction and arrangement of parts to be hereinafter more specifically pointed out and claimed.

In the drawing,

Figure 1 is a side elevation of the device partly broken away to show the brake.

Fig. 2 is a central longitudinal section thereof.

Fig. 3 is a vertical cross section taken through the steering device.

1 is the board which, as stated, is narrow and fairly short. 2 are the rear rollers which are like those of roller skates and mounted close to the board so as to support it very low on the ground.

Mounted over an aperture at the front of the board is a socket or sleeve 3, secured by bolts 4 to a washer 5 around the aperture on the under side of the board. A tubular member or rod 6 passes through the aperture and at its under side has firmly secured to it by any desired means a casting 7. This casting has a plate 8 at its upper side, the same being smooth to seat against the under face of the washer 5. It also has a tubular part 9 which journals the axle 10 of a pair of rollers 11.

The rod 6, in mounting the parts just described, is inserted through the washer, aperture and socket and held from falling back when the board is lifted, by means of a cotter pin 12.

The handle bars 13 are secured in the tubular rod 6 by means of the post 14 which slides into the said tubular rod. The rod has a series of registering holes on two sides thereof and the handle bar post has like holes, whereby a cotter pin 15 will hold the said post both adjustably and non-rotatably in the said hollow rod 6.

It will be understood that the parts last described are employed for steering the coaster. Suitable clearance for the turning of the roller 11 is provided in the base of the board by means of a circular countersink 16.

Mounted by means of a leaf spring 17 to the base of the board is a block of wood 18 which is pressed against the pavement to act as a brake. On this block and extending through the board to the top thereof is a pin 19, which is depressed by the foot.

Formed in the board are a series of apertures protected by socket pieces 20 driven therein. There are provided two seats 21 and 22, the same being mounted on rods 23. The rods 23 have right angle bends 24 therein, to lie along the board, and at the end of the right angle bends are depending members 25 which are adapted to fit snugly in the socket pieces 20. The front seat 21 has its seat tilted so as to allow the angle bend to extend rearwardly and the rear seat 22 has its seat arranged on the opposite base.

It is not necessary to use the two seats, as the front seat may be employed merely as an additional seat for use only on certain occasions. When the said front seat is removed, all that is necessary to convert the device from a coaster to a push-board is to swing the remaining seat around on its pivot when it will lie adjacent to the handle bars and will be out of the way of the foot. For a small boy the seat may be positioned so that he is at the right distance from the handle

bars. Either seat may be used for this adjustment, as all that is necessary is to change the seat that is used from one hole to another until it is at the desired position. The seats stay in position because the angle bends lie along the board.

I do not wish to be limited in the claims that follow to the exact structure described in the foregoing specification as the description refers but to the preferred form of my invention; on the contrary, I wish to be entitled to the full scope of the doctrine of equivalents in the construction of my claims. Also I do not wish to be limited in my claims because of my failure at this time to appreciate the full usefulness of my invention, as I intend it to be used in the future in any manner that may turn out to be economical and convenient, and that mere mechanical changes necessary to adapt it to future uses be fully included in the scope of my invention.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent, is:—

1. In combination with a low narrow board, the same being of a size to accommodate a child standing thereon, rollers for supporting said board, said board having a socket member, a post having an angle bend therein, means for seating one end of the bend removably in the socket, and a seat on the post, for the purpose described.

2. In combination with a low narrow board the same being of a size to accommodate a child standing thereon, rollers for supporting said board, said board having a series of post mounting sockets, posts having angle bends therein, said bends adapted to seat in the sockets, and seats on the posts, said bends being in opposite directions for the posts so that they extend in one instance in the direction of the seat and opposite to the seat in the other.

FRANK A. AMAN.