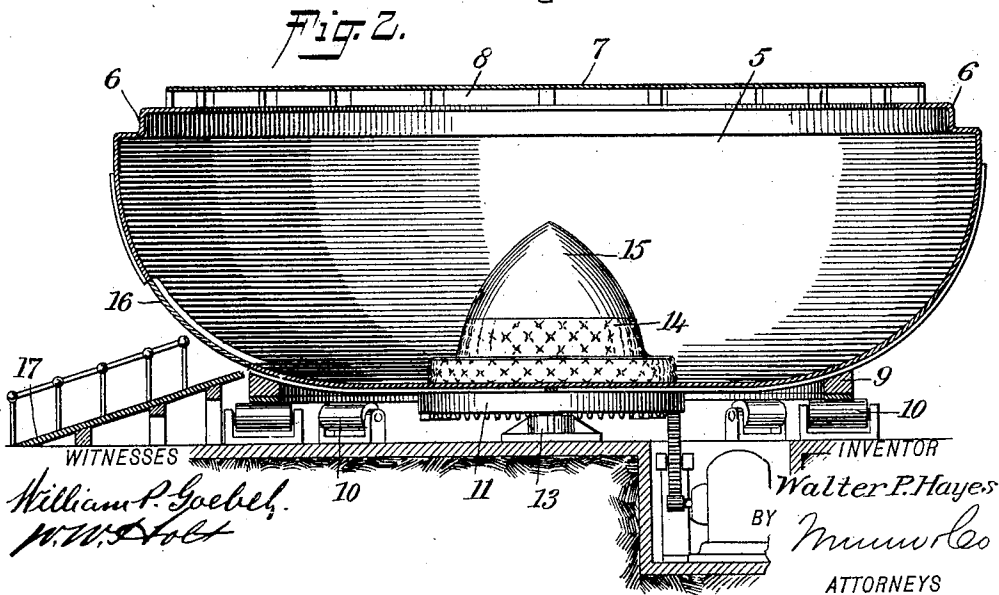
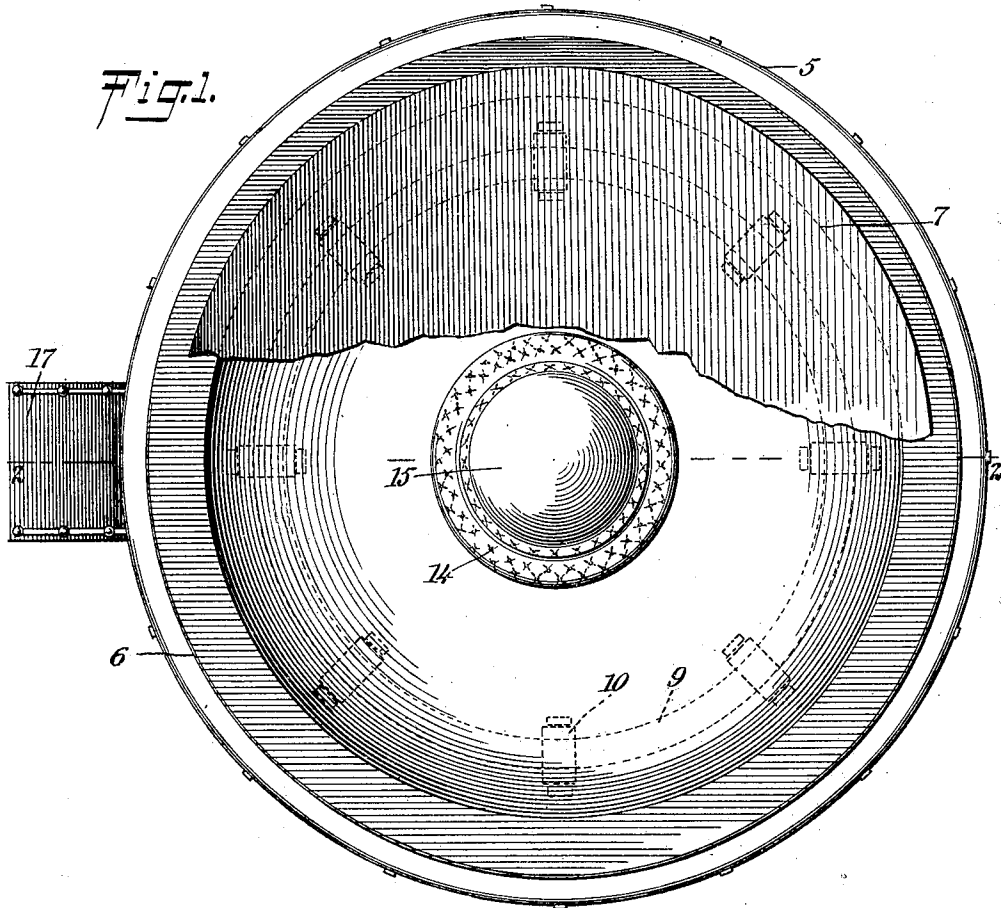


W. P. HAYES.
AMUSEMENT DEVICE.
APPLICATION FILED AUG. 12, 1908.

920,567.

Patented May 4, 1909.



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WALTER P. HAYES, OF NEW HAVEN, CONNECTICUT.

AMUSEMENT DEVICE.

No. 920,567.

Specification of Letters Patent.

Patented May 4, 1909.

Application filed August 12, 1908. Serial No. 448,162.

To all whom it may concern:

Be it known that I, WALTER P. HAYES, a citizen of the United States, and a resident of New Haven, in the county of New Haven and State of Connecticut, have invented a new and Improved Amusement Device, of which the following is a full, clear, and exact description.

In the construction of my improved amusement device I make use of a relatively large hollow body having the general form of a bowl, such a bowl as might be generated at either side of the major axis of an ellipse when revolving it about its minor axis, thus producing a semi-ellipsoidal figure. In this bowl-shaped or ellipsoidal body I provide a central circular seat at the bottom, and a circumferential seat at the side, arranged at or near the top of the bowl at approximately right angles to the bottom or initial seat. The passengers enter the bowl through an opening, preferably at the side, and when this opening is closed the bowl is revolved on its vertical axis, and by centrifugal action moves the passengers from the bottom seat to the seat at the side, where they remain suspended at right-angles to a natural seating posture.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in both views.

Figure 1 is a plan of my improved amusement device with the top partly broken away to better disclose the interior construction; and Fig. 2 is a vertical section through the device substantially on the line 2—2 of Fig. 1, showing the central seat in elevation.

More specifically described, the invention embodies in its construction a hollow body 5, in the nature of a large bowl, which has a form of a semi-ellipsoid, generated by revolving that portion of an ellipse at one side of its major axis about its minor axis, and having an inwardly-turned flange at its upper edge which is offset midway its width to provide an inner seat 6. The seat thus produced is arranged at the side of the bowl and extends continuously around the top. The opening at the top of the bowl is closed by a cover 7, preferably of canvas, and elevated a distance above the seat 6 to provide ventilating openings 8. The bottom of the bowl has an attached circular rail 9 resting on supporting rollers 10, and is further provided with a central gear or other equivalent actu-

ating wheel 11 having its axis journaled in a bearing 13, the wheel 11 being driven from any suitable source of power, as by the motor shown.

Inside of the bowl at the bottom is a central circular seat 14, the back of which terminates in a cone-shaped body 15. On this seat the passengers are initially seated after passing into the car through a suitable entrance opening. This entrance opening, as shown in the present construction, is in the side of the bowl and is closed when the bowl is in motion by a door 16 opening to the inside, access through this opening being had by a gang-plank or bridge 17. After the passengers pass into the bowl and seat themselves on the seat 14, the door 16 is closed and the bowl set in revolution. As the velocity increases, the passengers are moved from the seat 14 under centrifugal action up the sides of the bowl and seat on the seat 6, where they are sustained at approximately right-angles to a natural seating posture. When the velocity of the bowl is checked, as when stopping, the passengers will slide down the sides to the bottom and thereafter leave the bowl through the door 16.

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

1. In an amusement device, a hollow dished body, the inner surface of which gradually curves upwardly from the bottom, with that portion of said surface adjacent to the rim of the body approximately vertical, a seat at the bottom of the body on which the passengers are initially seated, a seat near the rim of the body, and means for revolving the body to carry the passengers by centrifugal force from the first seat up said curved surface to the second seat.

2. In an amusement device, a relatively deep dished body having a central circular seat at the bottom, on which the passengers are initially seated, a continuous seat at the side, arranged above and at approximately right-angles to the first seat, and means for revolving the body to carry the passengers from the first seat to the second seat by centrifugal force.

3. In an amusement device, a relatively deep dished body having a central circular seat at the bottom, on which the passengers are adapted to initially seat, and provided with an opening in the side, through which the passengers are adapted to pass, a contin-

uous seat at the top edge of the body, arranged at approximately right-angles to the first seat, means for closing the opening in the side of the body, and means for revolving
5 the body on its vertical axis to carry the passengers from the first seat to the second seat by centrifugal action.

4. In an amusement device, an approximately oblate semi-ellipsoidal hollow body, a
10 rail and a driving wheel secured to the under side of the body, rollers on which the rail of

the body rests, and means for driving said wheel to revolve the body whereby the passengers therein are carried by centrifugal action from the bottom to the sides. 15

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

WALTER P. HAYES.

Witnesses:

BERNARD WESBECHER, Jr.,
ERNEST W. MOREY.