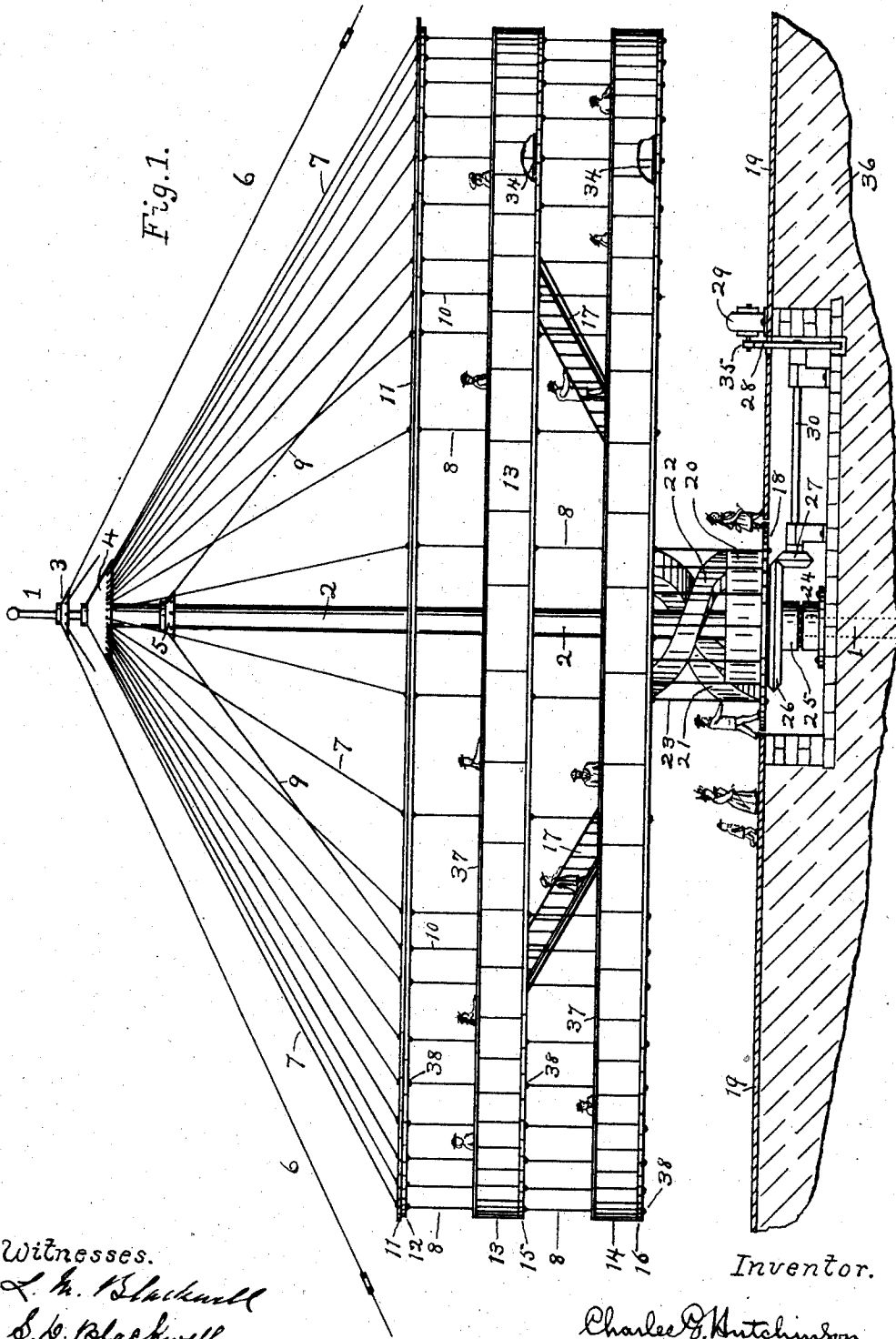


No. 864,245.

PATENTED AUG. 27, 1907.

C. G. HUTCHINSON.
RECREATION WHEEL.
APPLICATION FILED SEPT. 14, 1906.

2 SHEETS—SHEET 1.



Witnesses.

L. M. Blackwell
S. W. Blackwell

Inventor.

Charles G. Hutchinson

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2 SHEETS—SHEET 2.

Fig. 2.

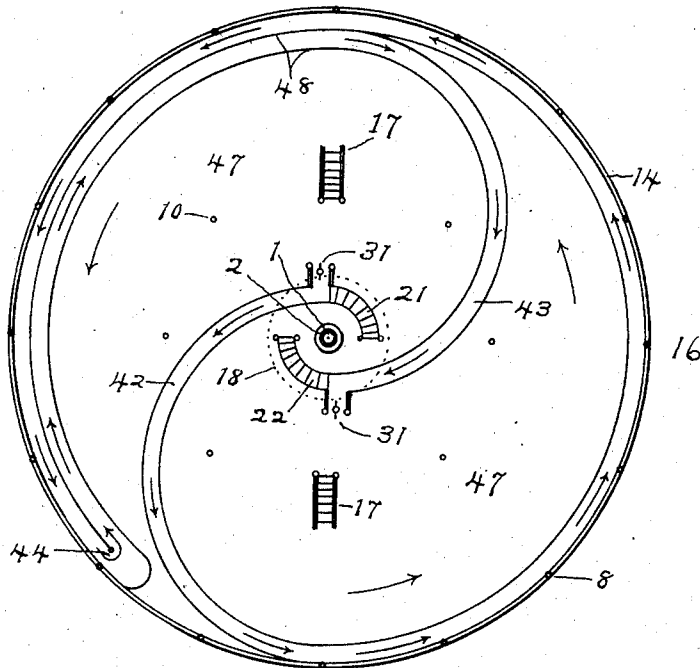
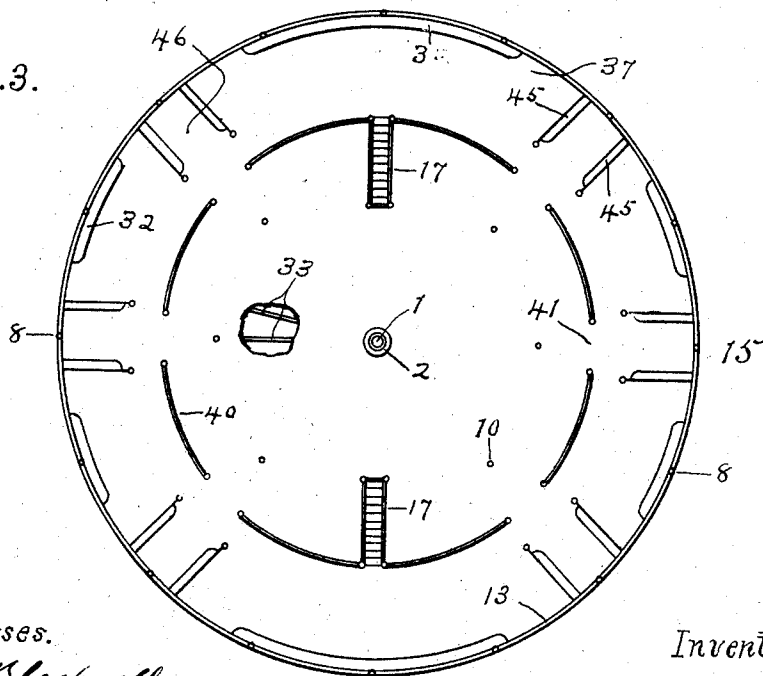


Fig. 3.



Witnesses.

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UNITED STATES PATENT OFFICE.

CHARLES G. HUTCHINSON, OF NEW YORK, N. Y., ASSIGNOR TO A. H. CARLISLE,
OF NEW YORK, N. Y.

RECREATION-WHEEL.

No. 864,245.

Specification of Letters Patent.

Patented Aug. 27, 1907.

Application filed September 14, 1905. Serial No. 278,499.

To all whom it may concern:

Be it known that I, CHARLES G. HUTCHINSON, a citizen of the United States, residing at New York city, New York, have invented a new and useful Recreation-
5 Wheel, of which the following is a specification.

My invention relates to improvements in recreation-wheels in which a platform, adapted to accommodate passengers, is made to revolve about a fixed central mast.

10 The object of my invention is to provide appliances to increase the novelty, scope, safety and usefulness of the wheel as a recreation resort. I attain these objects by mechanism illustrated in the accompanying drawings, in which:—

15 Figure 1, is a side elevation of the entire wheel; Fig. 2, a top view of the first floor with its approved appliances; and Fig. 3, a top view of the second floor or platform with its appliances.

Similar figures refer to similar parts throughout the
20 several views.

The central mast 1, having the cap 3 and ball bearing flange 24 fixed thereto, is firmly erected on the ground or fixed to an adequate support from which it projects to a height sufficient to receive the structure of the
25 wheel, the upper end of the mast being supported laterally by flange 3, and guy rods 6, said guy rods being anchored to the ground at their outer ends.

A vertical sleeve or hub 2, having an upper bearing flange 4, flange 5, ball bearing foot 25, and bevel gear 26
30 secured thereto, is located to engage a ball bearing flange 24, so as to be freely rotatable about the mast 1 as an axle. Circular platforms 15, 16, 18, and roof 11, are also secured to sleeve 2 so as to rotate therewith. The entrance and exit platform 18 is located on a level with
35 the ground floor 19, the other platforms and roof are arranged at a distance above the ground platform convenient for the accommodation of passengers.

The roof and platforms 15, 16, are sustained vertically
40 by guy rods 7, 9, and vertical rods 8 and 10, which rods are secured to the flanges 4, 5, and said platforms, while platform 18 is sustained vertically by rods 23, secured thereto and to platform 16. The platforms 15, 16, are each surrounded by endless walls or shields 13 and 14 respectively, each of said walls being located
45 at the periphery of its platform. Platform 18 is provided with a guard wall 20, located so as to admit of a passageway around said platform between its periphery and the said wall. A spiral entrance passageway 21, and a spiral exit passageway 22, are located within the
50 wall 20 to afford access to and exit from platform 16, openings being provided in wall 20 and in said platform to afford access to said spiral passageways. Passageways 17 are provided for access to and exit from platform 15.

My wheel may be rotated by a motor 29, located on 55 the ground floor and arranged to actuate the bevel gear 26 by means of the counter-shaft 30, the engagement of pinion 35 with spur gear 28, and the engagement of pinion 27 with said bevel gear 26.

Located on platform 16 is a level circuitous pas- 60 sageway, indicated by lines 48, which is a continuation of the spiral passageways 21, 22, the part 42 thereof connecting with entrance passageway 21 and proceeding therefrom to the periphery of said platform, thence extending around said periphery, as 65 indicated by the arrows, to a point 44, and thence back to the part 43, near the center of the platform, where it connects with the exit passageway 22. Turnstiles 31 afford entrance and exit to and from parts 70 42 and 43, of the passageways, to the areas 47 of the platform.

Platform 15 is reached by passageways 17 which afford an entrance and exit way thereto. A guard rail 40, provided with openings 41, is located on and extends around platform 15 and around the passage- 75 way openings 17, said rail being located and arranged so as to afford an inner area and an outer passageway on the platform. Platform 15 is also provided with fixed seats 32 and 45, arranged around the outer part thereof so as to afford open spaces 37, 46, between the 80 seats, whereby the guard wall 13 is accessible to the passengers.

In operation the wheel is rotated continuously at a high rate of speed. The wheel is intended to be of large diameter, so that while the peripheral speed 85 of the upper platforms may be very great, the peripheral speed of the ground platform, which is of very much smaller diameter, will be slow enough to enable passengers to pass to and from said platform with ease and safety. 90

As the speed of the passengers, while walking from the central to the peripheral part of my wheel, is gradually accelerated it is essential that a guiding passageway and handrails be provided to guide and steady 95 them, and as it is intended to allow each passenger a limited amount of time on the second platform in order to accommodate a large number of passengers, I have therefore provided a passageway beginning on the lower platform, extending to and around the second platform and returning to the lower platform, as shown 100 in Fig. 2. By having a passageway of this description, a line of passengers may be kept continuously walking, and control of their time on the wheel, by proper attendants, may be effected. But as many passengers may desire to spend more time on the wheel, 105 and prefer to be seated in order that they may enjoy the novelty of traveling at a high rate of speed, the motion of the air created by the wheel, or any enter-

tainment provided on this platform, I have placed
 turn-stiles on the second platform by which those
 who so desire may pass through areas 47 and from there
 to the third or upper platform on which, as shown, I
 5 have arranged seats and guide-rails so that the pas-
 sengers may conveniently occupy any part of this
 platform, or remain any length of time that they may
 desire for recreation or entertainment before returning
 to the lower platform exit.

10 I claim as my invention:—

1. In a device of the character herein described, the
 combination of a support and a rotary platform pro-
 vided only with a central entrance and exit for passengers,
 said platform having a guard railing extending from the
 15 central portion outward to the periphery adapted to
 steady and prevent passengers from passing beyond the
 circumference of said platform.

2. In a device of the character herein described, a
 rotatable platform, in combination with a passageway
 adapted for passengers to walk through, said passageway
 20 beginning at substantially the center of said platform and
 leading to and around its periphery and returning to the
 central portion of said platform, substantially as shown
 and described.

3. In a device of the character herein described, the
 combination of a rotatable platform provided with a cen-
 tral support only and adapted for passengers to walk
 upon while rotating around said support, and a part,
 adapted to be grasped by the hand, extending from the
 30 central portion of said platform to substantially the cir-
 cumference, for the purpose specified.

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

CHARLES G. HUTCHINSON.

Witnesses :

L. M. BLACKWELL,
 S. D. BLACKWELL.