J. M. ROSS & A. HOLTON.

AMUSEMENT DEVICE.

APPLICATION FILED NOV. 15, 1909.

950,348.

Patented Feb. 22, 1910.

2 SHEETS—SHEET 1.

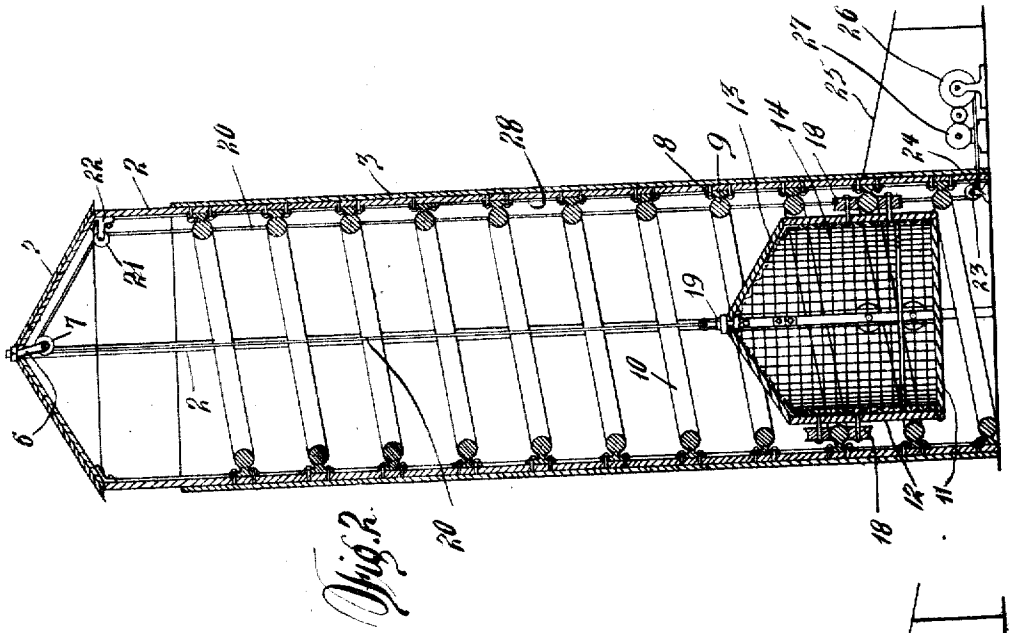

Fig. 2.

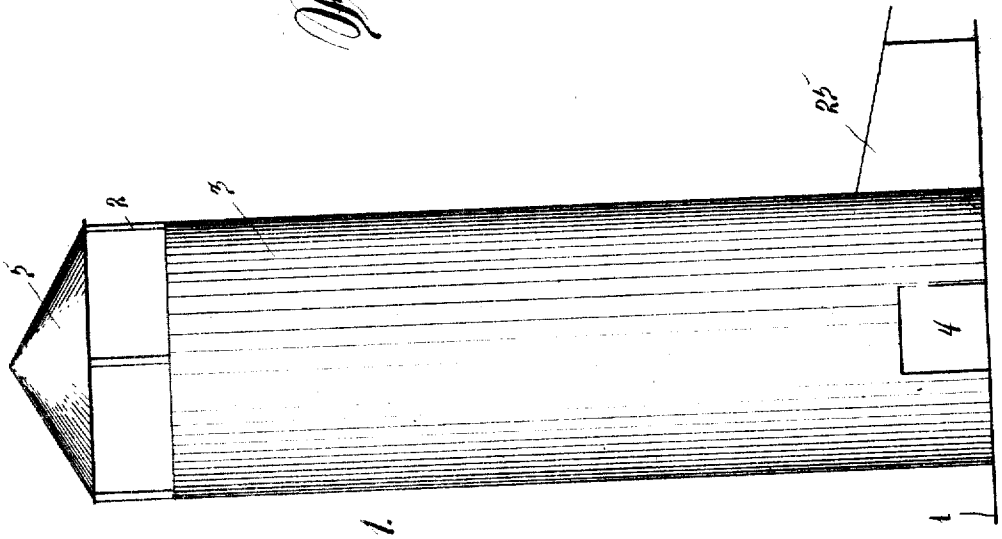

Fig. 1.

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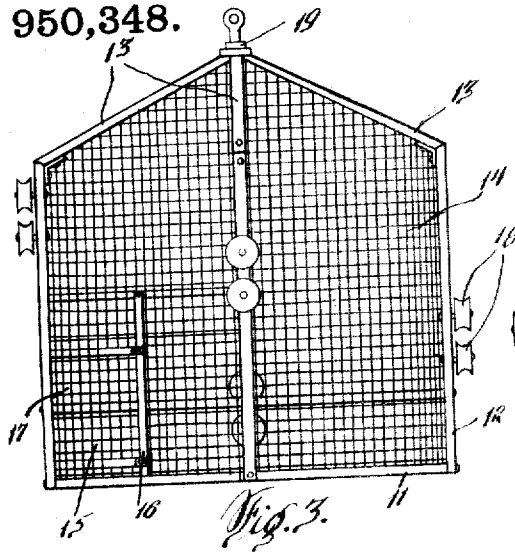


Fig. 3.

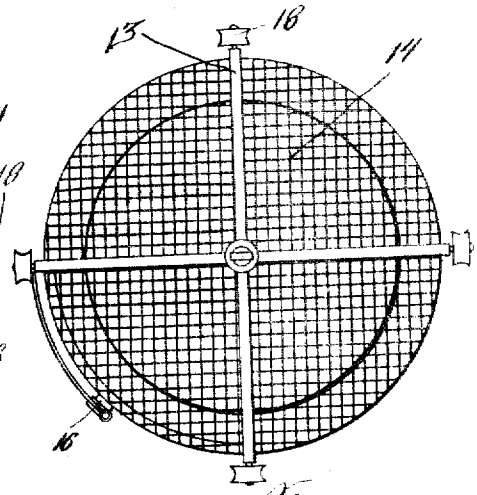


Fig. 4.

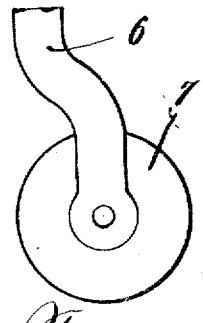


Fig. 5.

Fig. 6.

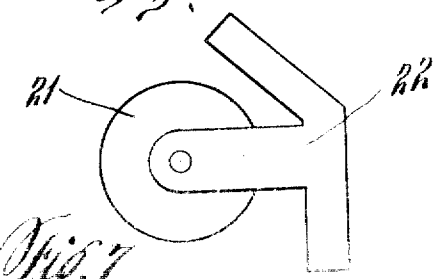
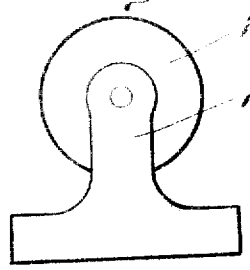


Fig. 7.



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UNITED STATES PATENT OFFICE.

JESSE M. ROSS AND ALBERT HOLTON, OF BRADDOCK, PENNSYLVANIA.

AMUSEMENT DEVICE.

950,348. Specification of Letters Patent. Patented Feb. 22, 1910.

Application filed November 15, 1909. Serial No. 528,073.

To all whom it may concern:

Be it known that we, JESSE M. ROSS and ALBERT HOLTON, citizens of the United States of America, residing at Braddock, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Amusement Devices, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to amusement devices, and the object of our invention is to provide a novel device that can be constructed on a large scale to amuse adults and upon a small scale as a toy to amuse juveniles.

Another object of this invention is to provide an amusement device that will be educational and at the same time novel, the educational feature of the device consisting in a panoramic view and the novelty feature residing in the sensation imparted to persons seeking amusement by means of our device.

We attain the above objects by providing a cylindrical structure in which a revoluble car is raised and lowered, the structure being provided with interior pictures adapted to be used by persons within the car, while the top of the structure is open whereby it may be used for observatory purposes.

The invention will be hereinafter considered in detail and then claimed, and reference will now be had to the drawings forming a part of this specification, wherein:

Figure 1 is a front elevation of an amusement device constructed in accordance with our invention, Fig. 2 is a vertical sectional view of the same, Fig. 3 is an enlarged elevation of a car adapted to form part of the device, Fig. 4 is a plan of the same, Fig. 5 is an enlarged elevation of a hanger designed for use in connection with the device, and Figs. 6 and 7 are enlarged elevations of revoluble sheaves or guide pulleys forming part of the device.

In the accompanying drawings the reference numeral 1 denotes a suitable foundation upon which is erected four vertical and equally spaced uprights 2 adapted to support a cylindrical shell 3 of a less length than the uprights, thereby leaving the upper ends of the uprights exposed, for a purpose that will presently appear. The shell 3 can be made of metal or a suitable material and at its lower end is provided with a doorway 4 whereby the shell can be entered.

The upper ends of the uprights 2 support a conical shaped roof or dome 5 and anchored in the apex of the roof or dome 5 is a hanger 6 supporting a revoluble sheave or pulley 7.

Secured to the inner sides of the uprights 2 by rivets 8 or other fastening means are brackets 9 supporting the convolutions of a spiral track 10, said track extending from the foundation 1 to the upper edges of the shell 3.

Movably mounted upon the track 10 is an observation car or cage, comprising a platform 11, uprights 12 and roof frames 13, all of which are joined together and braced by a wire netting or grating 14. The wire netting or grating at a suitable location is cut away, as at 15 to provide a doorway adapted to register with the doorway 4, when the car or cage is in a lowered position, whereby the cage can be entered. The platform 11 supports a suitable frame 16 for a sliding door 17 adapted to close the doorway 15. The uprights 12 of the car or cage are provided with revoluble grooved wheels 18 adapted to engage the upper and under sides of the spiral track 10 and support the car or cage upon the track.

The apex or top of the car is provided with a swivel 19 and connected to said swivel is a cable 20 adapted to pass upwardly over the revoluble sheave 7 of the hanger 6, and over a revoluble sheave 21 journaled in a bracket 22, carried by one of the uprights 2 adjacent to the roof or dome 5. The cable passes downwardly between the spiral track 10 and the shell 3 and under a sheave 23 journaled in a bearing 24 located upon the foundation 1. The cable then passes through the shell into an engine or motor house 25 where there is located a drum 26 to receive the cable and a motor or engine 27 for revolving the drum and controlling the winding and unwinding of the cable thereon. The operation of the motor or engine can be easily controlled from the interior of the shell 3.

The shell 3 has the inner side walls thereof covered by a canvas or lining 28 having pictures painted, printed or otherwise marked thereon, which are adapted to amuse or educate the occupants of the car or cage when the car or cage is raised

through the medium of the motor or engine 27 and allowed to descend by gravity. As an example, the amusement device can be constructed to represent a pole, for instance the North Pole, and a panoramic view upon the inside of the device to represent a trip from the city in which the device is operated to the North Pole and return.

The open space between the shell 3 and the roof or dome 5 permits of the occupants of the car or cage making observations after reaching the top of the structure or tower, and it is in this connection that we have devised our amusement device for parks and summer resorts, where a device of this type and at the present time would attract considerable attention and afford amusement to all classes of people.

Having now described our invention what we claim as new, is:—

1. An amusement device comprising a cylindrical structure having the upper end thereof provided with an observation opening, a spiral track located in said structure, a car adapted to be raised and lowered upon said track and revolve within said structure, and means located exteriorly of said structure and adapted to raise said car upon said track and allow said car to descend by gravity.

2. An amusement device embodying a cylindrical structure having the upper end thereof provided with an observation opening, said structure having the inner walls thereof provided with views, a spiral track mounted within said structure and supported by the side walls thereof, a car adapted to be raised and lowered upon said track and revolve within said structure, said car comprising a platform, netting forming the walls of said car, and means exteriorly of said structure and adapted to raise said car to the upper end of said track and allow the same to descend by gravity.

3. An amusement device embodying uprights, a shell surrounding said uprights and being of a less length than said uprights, a roof supported by the upper ends of said uprights, a spiral track supported by the inner sides of said uprights and extending from the lower end of said shell to the upper end thereof, an observation car adapted to be raised upon said track and allowed to descend by gravity, and means exteriorly of said shell for controlling the operation of said shell therein.

4. An amusement device embodying uprights, a shell surrounding said uprights and adapted to have the inner walls thereof provided with views, a roof carried by the upper ends of said uprights and adapted to provide an observation opening at the upper end of said device, a spiral track carried by said uprights and extending from the bottom of said shell to the upper end thereof, an observation car movably mounted upon said track and adapted to revolve when ascending and descending upon said track, a swivel carried by the top of said car, and a cable movable within said shell and connecting with said swivel for raising said car.

In testimony whereof we affix our signatures in the presence of two witnesses.

JESSE M. ROSS.
ALBERT HOLTON.

Witnesses:
MAX H. SKOLOVITZ,
K. H. BUTLER.