W. J. MANNING.

AMUSEMENT DEVICE.

APPLICATION FILED SEPT. 28, 1908.

911,892.

Patented Feb. 9, 1909.

2 SHEETS—SHEET 1.

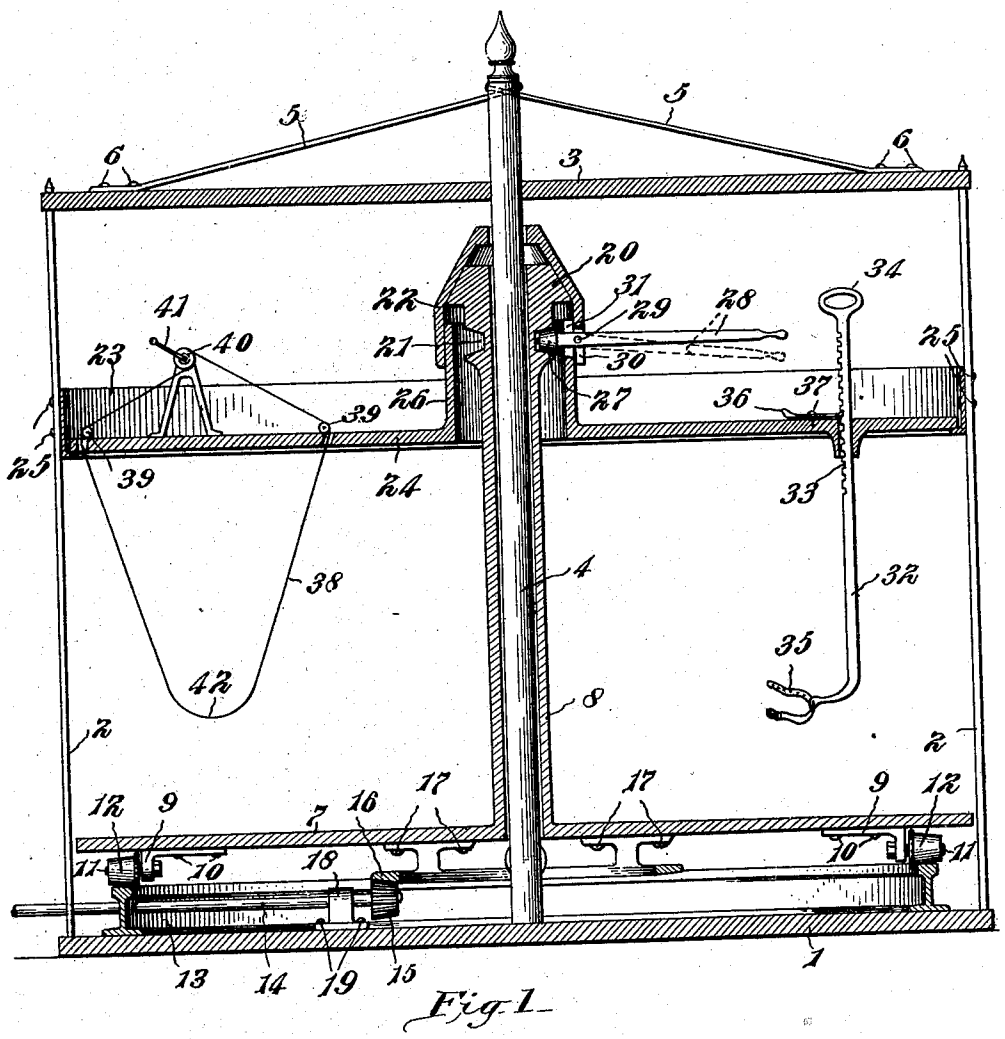


Fig 1.

Witnesses:

Wm. C. Smith

John R. Lourby

Inventor:

William J. Manning.

By Joshua R. H. Potts

Attorney.

THE NORRIS PETERS CO., WASHINGTON, D. C.

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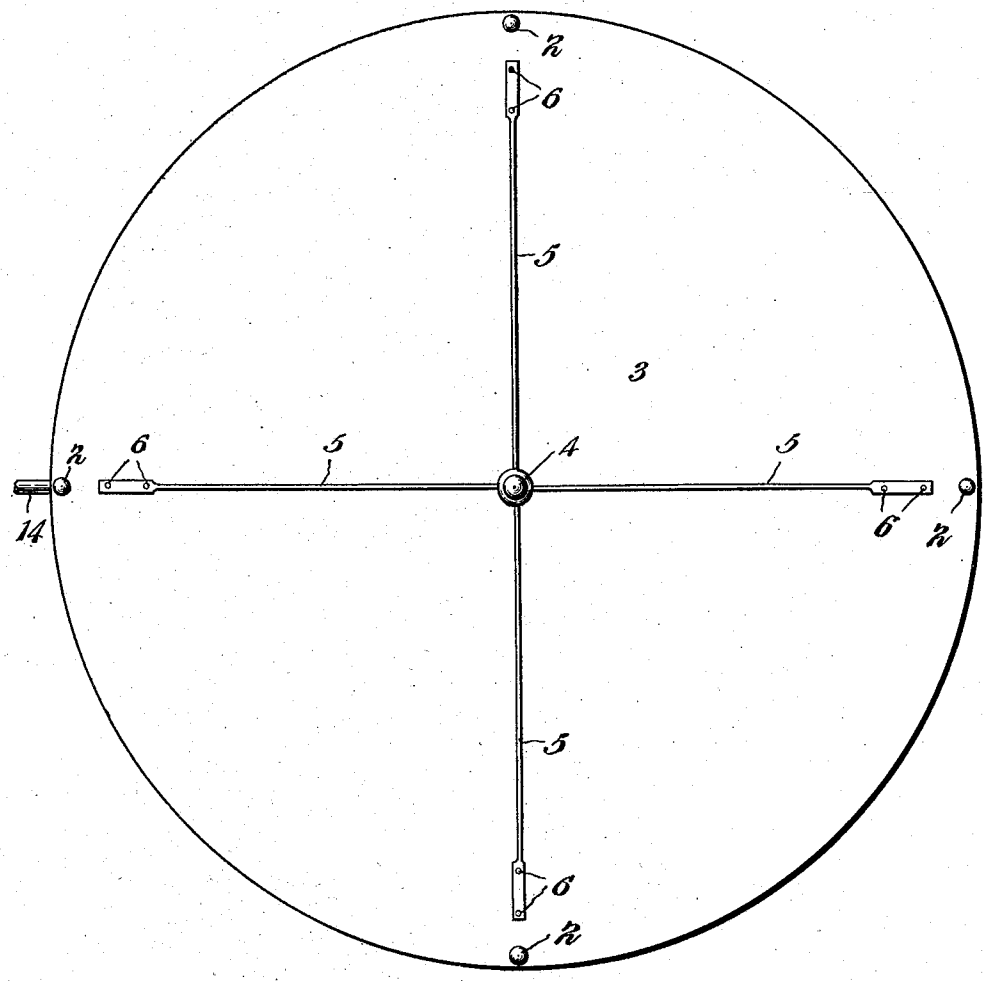


Fig. 2.

Witnesses:

Wm. C. Smith

John R. Lomby

Inventor:

William J. Manning.

By Joshua R. H. Potts

Attorney.

THE NORRIS PETERS CO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

WILLIAM J. MANNING, OF CHICAGO, ILLINOIS.

AMUSEMENT DEVICE.

No. 911,892. Specification of Letters Patent. Patented Feb. 9, 1909.

Application filed September 28, 1908. Serial No. 455,059.

To all whom it may concern:

Be it known that I, WILLIAM J. MANNING, a citizen of the United States, residing at Chicago, county of Cook, and State of Illinois, have invented certain new and useful Improvements in Amusement Devices, of which the following is a specification.

My invention relates to improvements in amusement devices, and more particularly to that class in which a rotatable platform for the conveyance of persons is provided.

The object of my invention is to provide means in combination with a rotatable platform whereby persons on roller-skates may be held stationary while the platform rotates under them, thereby producing an illusory effect.

With this object in view, my invention consists in a rotatable platform adapted to be driven by an electric or other motor, a suitable base and a roof rigidly connected therewith and an elevated platform having means depending therefrom for holding persons on roller-skates in such a manner that the rotatable platform may move without moving said persons.

My invention further consists in providing means for rotating the elevated platform when so desired by the operator standing thereon.

My invention further consists in means for vertically adjusting the means for holding the persons, and in certain details of construction and arrangement of parts all as will be hereinafter fully described and particularly pointed out in the claims.

My invention will be more readily understood by reference to the accompanying drawings forming a part of this specification, and in which,

Figure 1 is a central vertical section of the amusement device in its preferred form, and Fig. 2 is a top elevation thereof.

Referring now to the drawings, 1 indicates the base and 2 vertically disposed columns supporting the roof 3. A central vertical pillar 4 is rigidly secured to the base 1 and to the roof 3 through which it passes as shown in Fig. 1. Braces 5 and securing bolts 6 are provided to reinforce the roof 3. A platform 7 is provided with an integral sleeve 8 adapted to rotate about the pillar 4. Lugs 9 secured to the rotatable platform 7 by means of the bolts 10 have journals 11 adapted to carry rollers or trucks 12. A circular rail 13 on which the trucks 12 are adapted to roll is provided. Passing through the rail 13 is a power-shaft 14 provided with the driving bevel pinion 15. The driven bevel gear 16 is rigidly secured to the rotatable platform 7 by means of the bolts 17 as shown. The power-shaft bearing 18 is secured to the base 1 by bolts 19. A male cone 20 and a circular groove 21 are formed integral with the sleeve 8 and the female cone 22 is superimposed on said male cone. A circular L-shaped support 23 for the elevated platform 24 is secured to the columns 2 by the bolts 25. The horizontally disposed portion of the support 23 may be lubricated in order that the elevated platform 24 may rotate if desired by the operator standing thereon. A central tubular portion 26 integral with the elevated platform 24 is adapted to telescope a cylindrical portion of the female cone 22. The conical roller 27 is adapted to travel in the groove 21 and is journaled at the inner extremity of the lever 28 which is pivoted at 29 in a slot 30 provided in the female cone 22. A slot 31 registering with the slot 30 is provided in the tubular portion 26, and as the lever 28 passes through each of said slots one cannot rotate independent of the other. A cone-clutch is thus formed between the rotatable sleeve 8 and the elevated platform 24, it being obvious that the platform 24 will rotate when the lever 28 is depressed as indicated by dotted lines because of the frictional engagement of the cone surfaces.

A person holding means comprising a vertically extending member 32, a plurality of teeth 33, a handle 34 and a strap 35 is arranged as shown. A dog 36 pivoted at 37 adapted to engage the teeth 33 may be operated by the toe of the operator, the vertical adjustment thus provided being necessary in order that any person may be readily secured by means of the strap 35. Another form of person holding means may also be provided consisting in a cord 38 passing over pulleys 39 and secured to the windlass 40 having the handle or crank 41. By turning the crank 41 the operator may obviously raise or lower the loop 42 in the cord 38.

While I have shown what I deem to be the preferable form of my invention, I do not wish to be limited thereto as there might be many changes made in the details of construction and arrangement of parts without departing from the spirit of my invention.

Having described my invention what I

claim as new and desire to secure by Letters Patent, is:

1. In an amusement device, in combination with a base and a central pillar mounted thereon, a roof secured to said pillar, vertically extending columns and braces adapted to reinforce said roof, a rotatable platform mounted on said base provided with an integral central sleeve surrounding said pillar, means for rotating said platform, and a suitably mounted rotatable elevated platform having a clutch connection with said central sleeve, substantially as described.

2. In an amusement device, a base, a vertically extending central pillar in said base, a rotatable platform disposed above said base provided with a sleeve integral therewith, lugs secured beneath said platform provided with journals and trucks, a circular rail on which said trucks are adapted to travel, a power-shaft extending through said rail and provided with a bevel pinion at its inner extremity, a bevel gear secured to said platform adapted to mesh with said pinion and to be driven thereby, an elevated rotatable platform supported by a circular L-shaped member secured to suitable columns, a cone-clutch between said elevated platform and said sleeve, and means to operate said clutch whereby said elevated platform may be either stationary or rotating during the rotation of said rotatable platform, substantially as described.

3. In an amusement device, a base and a central pillar secured thereto, a rotatable platform provided with a sleeve surrounding said pillar, means for rotating said platform, a male cone integral with said sleeve at its upper extremity, a female cone superimposed on said male cone, a suitably mounted elevated platform provided with a central tubular portion adapted to telescope a cylindrical portion of said female cone, said tubular portion and said female cone being provided with registering slots an operating lever extending through said slots and pivotally mounted in the slot in the cone, and a conical roller journaled to said lever adapted to travel in a groove provided in said sleeve, substantially as described.

4. In an amusement device, a base and a central pillar secured thereto, a suitably mounted rotatable platform and means to rotate the same, a sleeve on said platform surrounding said pillar, a suitably arranged rotatable elevated platform, a clutch connection between said elevated platform and said sleeve, and suitable person holding devices connected with and depending from said elevated platform, substantially as described.

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

WILLIAM J. MANNING.

Witnesses:
JANET E. HOGAN,
HELEN F. LILLIS.