May 22, 1923. 1,456,228

J. A. FRANKLIN

MERRY-GO-ROUND

Filed May 17, 1921

Fig. 1.

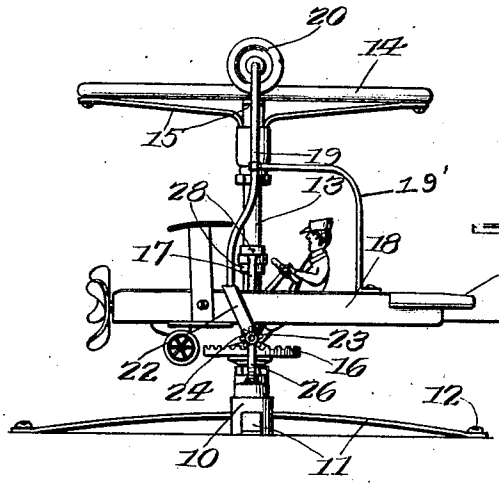


Fig. 3.

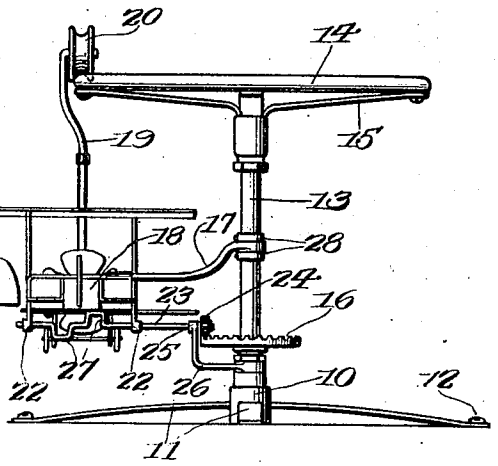
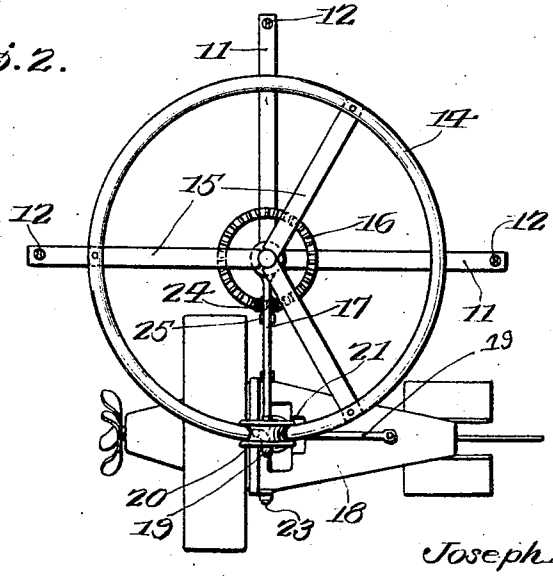


Fig. 2.



Witness

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UNITED STATES PATENT OFFICE.

JOSEPH A. FRANKLIN, OF RENSSELAER, NEW YORK.

MERRY-GO-ROUND.

Application filed May 17, 1921. Serial No. 470,318.

To all whom it may concern:

Be it known that I, JOSEPH A. FRANKLIN, a citizen of the United States, residing at Rensselaer, in the county of Rensselaer, State of New York, have invented certain new and useful Improvements in Merry-Go-Rounds; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to new and useful improvements in amusement devices and particularly to merry-go-rounds.

One object of the invention is to provide a simple and comparatively inexpensive device which is arranged to be propelled by the occupants.

Another object resides in the particular and novel construction of the means for supporting the car, whereby the same is propelled around a circular track.

Other objects and advantages will be apparent from the following description when taken in connection with the accompanying drawing.

In the drawing:

Figure 1 is a side elevation of a merry-go-round made in accordance with the invention.

Figure 2 is a top plan view of the same.

Figure 3 is an elevation of the device showing the car in end elevation, and partly broken away to disclose the propelling means carried thereby.

Referring particularly to the accompanying drawing, 10 represents a base member having the horizontally extending radial floor engaging feet 11, which feet are provided with the screws 12 by which the feet may be secured to a floor. Secured in the base member 10, and extending vertically therefrom, is a shaft or standard 13, the upper end of which supports the horizontal circular track 14, by means of the bracket arms 15. Carried by the vertical shaft and secured thereto against rotation, is the horizontal gear 16, which has its teeth disposed on the upper face thereof. Mounted on the shaft 13, is a radially extending arm 17, the same being arranged to swing or rotate about the shaft. Carried by the outer end of the arm is a car 18, constructed to resemble an aeroplane, and carried by the car, and extending vertically therefrom, is a rod 19, the upper end of which has mounted thereon a grooved wheel 20 for movement on the circular track 14. This rod 19 and the wheel 20 serve to support the car, and in the car are provided seats 21 for passengers. Extending transversely of the bottom of the car, and journaled in the depending brackets 22, on the car, is a shaft 23, the inner end of which terminates above the central gear 16, where it is provided with a smaller gear 24, meshing with the gear 16. Loosely mounted on the vertical shaft 13, extending outwardly beneath the gear 16, with its end turned upwardly and formed with a bearing eye 25, for the reception of the shaft 23, is an arm 26, said arm serving to maintain the gears 16 and 24 in proper meshing engagement.

Formed on the shaft 23, beneath the seats 21, and slightly in front thereof, are the pedal or crank portions 27, on which the occupant places his feet and operates them to rotate the shaft 23 and cause the car to be driven around the shaft 13. On the shaft or standard 13, above and below the attaching portion of the arm 17, are the retaining collars 28.

While I have shown the crank shaft 23 as driven by the feet of the occupant of the car, it will be readily understood that the same may be readily driven by other means.

Connected to the rod 19, and extending rearwardly and downwardly, where it is connected to the upper side of the body 18, is a brace 19′.

What is claimed is:

A toy comprising a post, radial legs carried by the lower end of the post for supporting the post in an upright position, upwardly and outwardly extending arms on the upper end of the post, a horizontally disposed circular track secured to the last-named arms and encircling the upper end of the post, a rotatable collar on the post, an arm carried by the collar and extending radially away from the post, a car carried by the outer end of the said arm, a vertical arm carried by the car, a grooved wheel on the upper end of the vertical arm engaged

on the circular track, a transverse crank shaft carried by the car and extending to a point adjacent the lower end of the post, a gear fixed on the post, a gear on the crank shaft engaging said post gear, and an angle arm loosely connected with the post and the shaft adjacent the gears thereof.

In testimony whereof, I affix my signature, in the presence of two witnesses.

JOSEPH A. FRANKLIN.

Witnesses:
GEORGE VENTER,
THOMAS P. CONNOLLY.