Dec. 2, 1930. R. DOS SANTOS 1,783,586

MERRY-GO-ROUND

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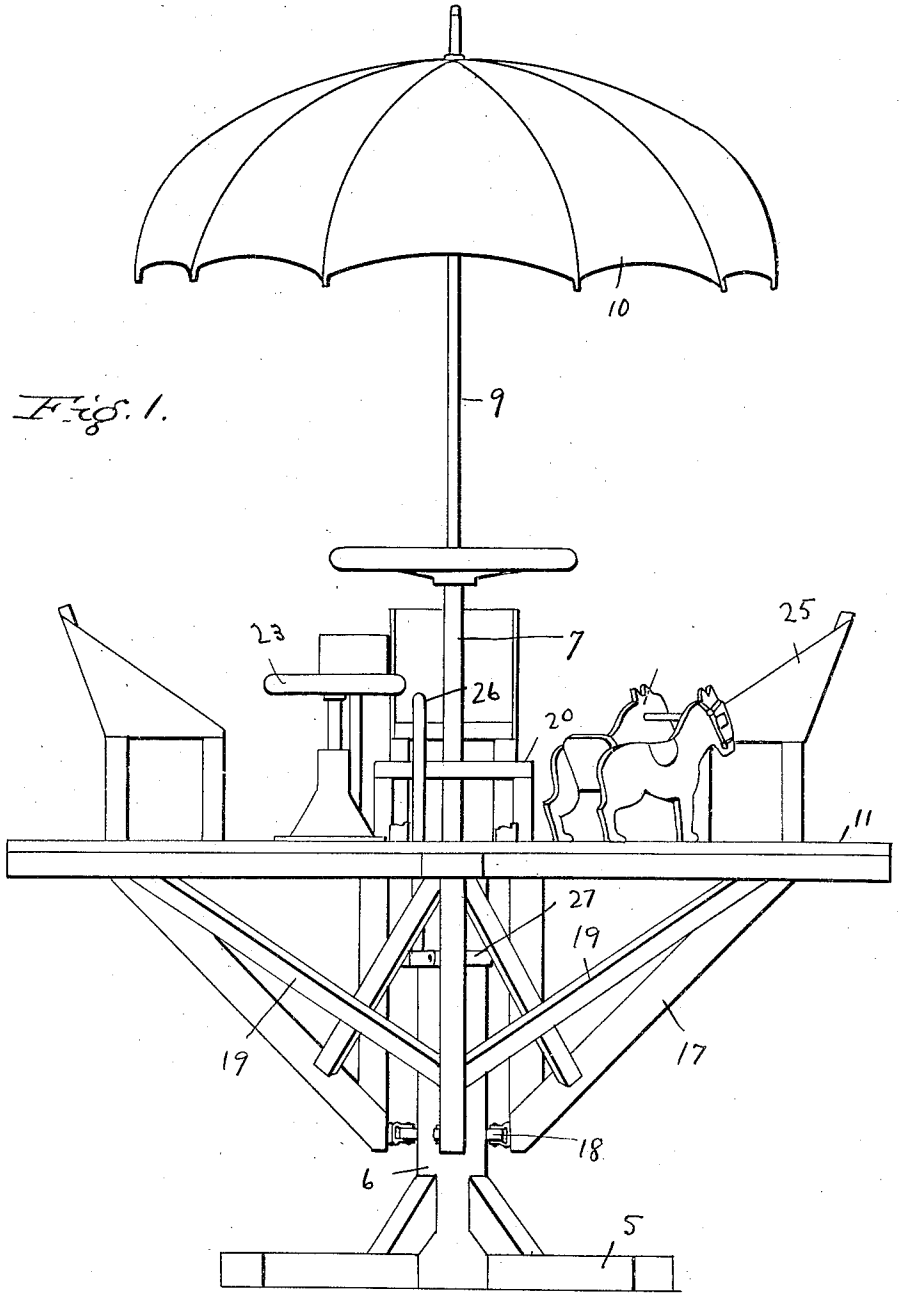


Fig. 1.

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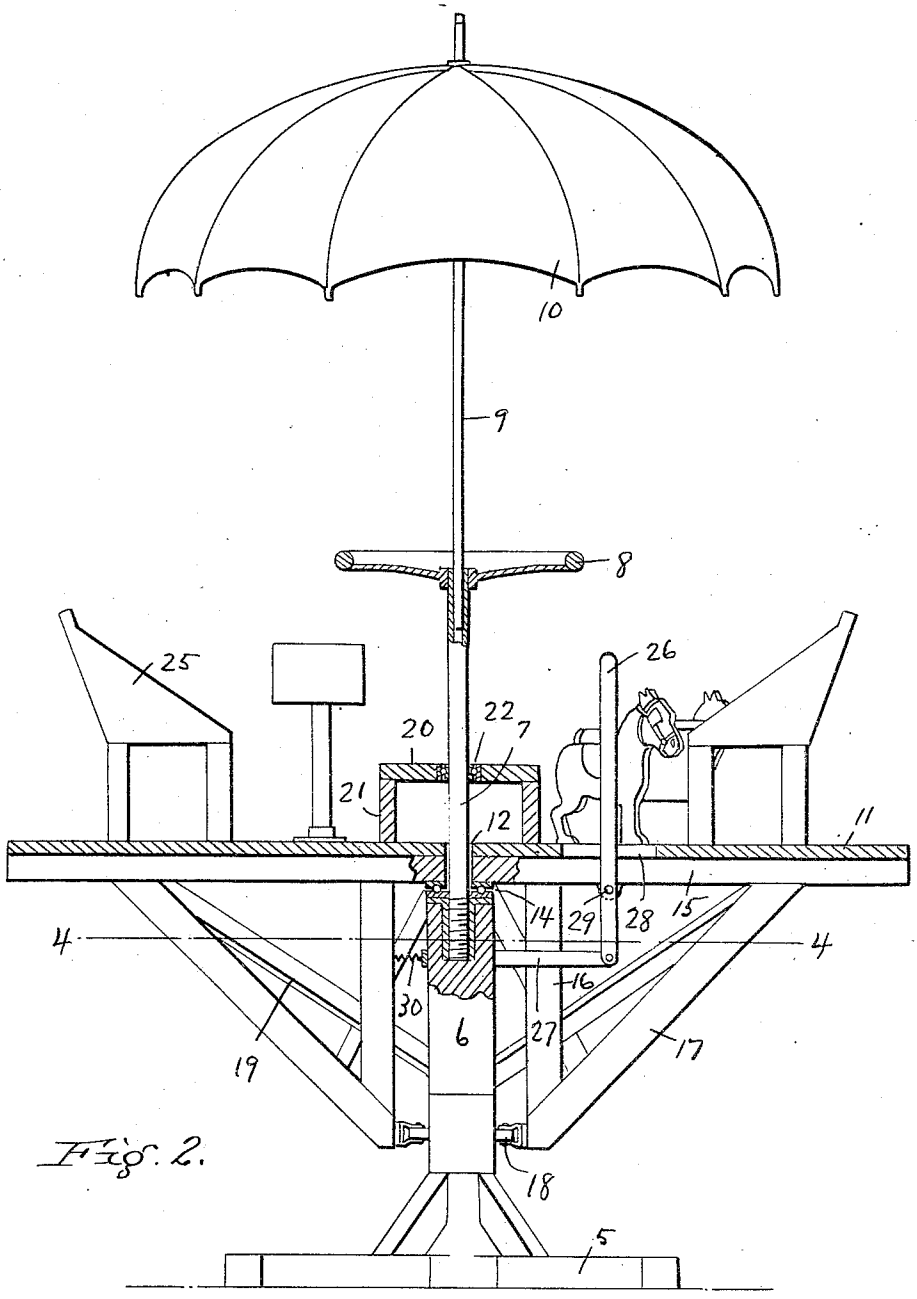


Fig. 2.

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Fig. 3.

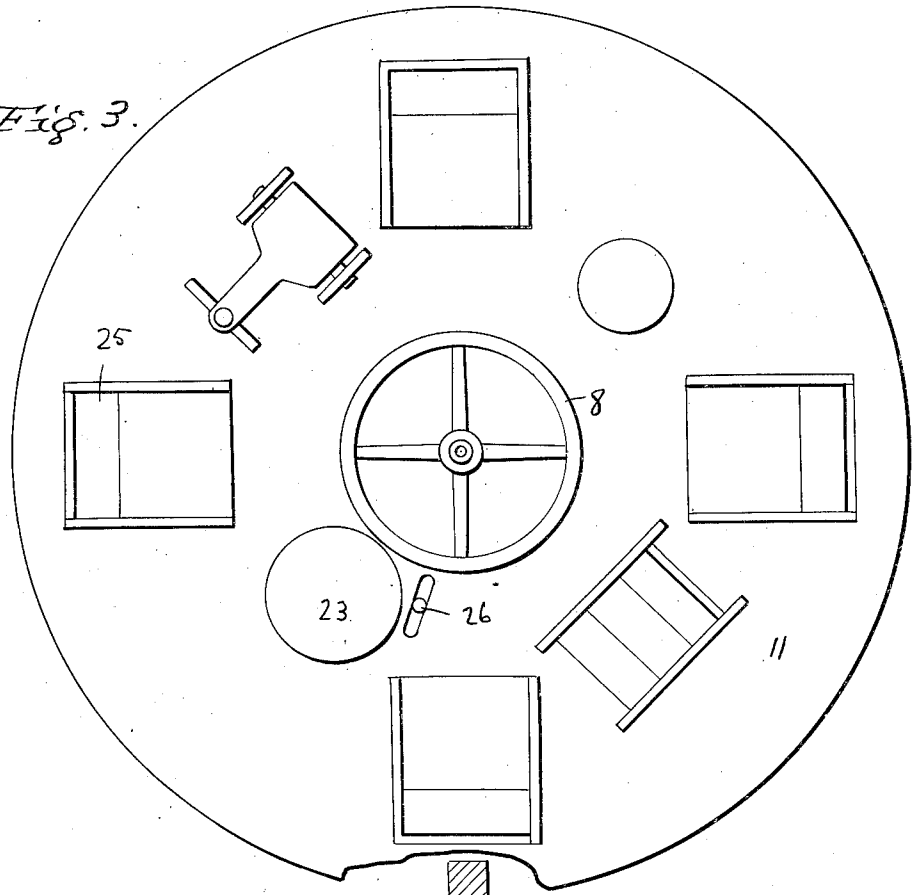
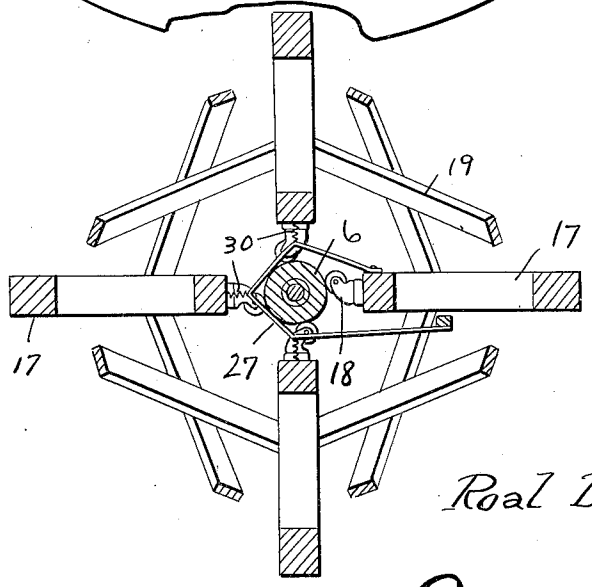


Fig. 4.



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UNITED STATES PATENT OFFICE

ROAL DOS SANTOS, OF HONOLULU, TERRITORY OF HAWAII

MERRY-GO-ROUND

Application filed May 22, 1929. Serial No. 365,110.

The present invention relates to merry-go-rounds and has for its object to provide an apparatus of this nature, in a manner as hereinafter set forth, which when operated will be a source of considerable amusement to the riders thereon.

The device is designed primarily for children's use, although it can be used, when desired, by adults and in a manner as hereinafter set forth, whereby it can be operated, revolved, at a desired speed by one of the riders with safety to the persons or riders seated thereon.

Further objects are to provide, in a manner as hereinafter set forth, a merry-go-round which is simple in construction, manually operated, strong, durable, amusing when used, readily set up, and comparatively inexpensive to manufacture.

With the foregoing and numerous other objects in view as will appear as the description proceeds, the invention resides in certain novel features of construction, and in the combination and arrangement of parts, as will be hereinafter more fully described and claimed.

In the drawings:

Figure 1 is a side elevation of the apparatus embodying the features of my invention,

Figure 2 is a vertical section therethrough,

Figure 3 is a top plan view,

Figure 4 is a horizontal section taken substantially on the line 4—4 of Figure 2.

Referring to the drawing in detail it will be seen that the numeral 5 denotes a base having a standard 6 rising from the center thereof. In the upper end of the standard there is threaded a rod 7 which rises from the upper end of the standard and has a wheel or annular member 8 fixed to the upper end thereof. The upper end of the rod is hollow to receive the lower end of the handle 9 of the parasol 10.

A circular platform 11 is provided with a central opening 12 through which the rod 7 extends. Ball bearing or other anti-friction means 14 is positioned at the upper end of the standard for cooperation with the inner end of radiating bars 15 under the platform 11 and secured thereto.

Vertical bars 16 depend from adjacent the inner end of the radial bars 15. Diagonal bars 17 extend from the outer portions of the radial bars 15 downwardly and inwardly and fixed to the lower end of the vertical bars 16.

Casters 18 are mounted on the lower apexes of the triangular like frame formed by the bars 15, 16 and 17 to ride against the lower surface of the standard 6. Cross braces 19 are preferably mounted between the diagonal bars 17 to tension the structure. A foot plate 20 is mounted on the legs 21 rising from the platform 11 and has a central anti-friction bearing 22 through which the rod 7 extends.

An operator's stool is denoted by the numeral 23 and the operator may sit on this stool and place his or her feet on the foot plate 20 and turn the apparatus by pulling themselves around by means of the wheel 8 as will be quite apparent.

Numerous different style seating devices 25 are mounted on the platform 11.

A brake lever 26 is pivotally mounted at 29 on one of the bars 15 and extends through a slot 28 in the platform 11 and has a strap 27 fixed to its lower end and to the vertical bar 16 depending from the last mentioned bar 15.

Springs 30 hold the strap normally away from the standard 6 but obviously by rocking the lever 26 the strap may be brought into engagement with the standard for the purpose of braking the apparatus, when it is desired to stop or to slow down the speed thereof and as soon as the lever is released the springs will move the strap away from the standard.

It is thought that the construction, operation, utility and advantages of this invention will now be quite apparent to those skilled in this art without a more detailed description.

The present embodiment of this invention has been disclosed in considerable detail merely for the purposes of exemplification since in actual practice it attains the features of advantage enumerated as desirable in the statement of the invention and the above description.

It will be apparent that changes in the details of construction, and in the combination and arrangement of parts may be resorted to without departing from the spirit or scope of the invention as hereinafter claimed or sacrificing any of its advantages.

Having thus described my invention, what I claim as new is:

1. In a merry-go-round of the class described, a vertical standard, means for supporting the standard, a horizontal circular platform, radiating bars under the platform, anti-friction means between the inner ends of the radiating bars and the upper ends of the standards, a rod rising from the upper end of the standard to a central opening in the platform, a wheel on the upper end of the rod, vertical bars depending from the inner portions of the radiating bars, diagonal bars extending inwardly and downwardly from the outer portion of the radiating bars to the lower end of the vertical bars, casters at the lower ends of the diagonal bars bearing against the standard, a lever pivotally mounted on one of the radiating bars and extending through a slot in the platform, a strap engaged with the lower end of the lever and extending around the standard and anchored to one of the vertical bars.

2. In a merry-go-round of the class described, a vertical standard, means for supporting the standard, a horizontal circular platform, radiating bars under the platform, anti-friction means between the inner ends of the radiating bars and the upper ends of the standard, a rod rising from the upper end of the standard to a central opening in the platform, a wheel on the upper end of the rod, vertical bars depending from the inner portions of the radiating bars, diagonal bars extending inwardly and downwardly from the outer portion of the radiating bars to the lower end of the vertical bars, casters at the lower ends of the diagonal bars bearing against the standard, a lever pivotally mounted on one of the radiating bars and extending through a slot in the platform, a strap engaged with the lower end of the lever and extending around the standard and anchored to one of the vertical bars, springs between others of the vertical bars and the strap and normally holding the strap away from the standard.

3. In a merry-go-round of the class described, a vertical standard, means for supporting the standard, a horizontal circular platform, radiating bars under the platform, anti-friction means between the inner ends of the radiating bars and the upper ends of the standard, a rod rising from the upper end of the standard to a central opening in the platform, a wheel on the upper end of the rod, vertical bars depending from the inner portions of the radiating bars, diagonal bars extending inwardly and downwardly from the outer portion of the radiating bars to the lower end of the vertical bars, casters at the lower ends of the diagonal bars bearing against the standard, a lever pivotally mounted on one of the radiating bars and extending through a slot in the platform, a strap engaged with the lower end of the lever and extending around the standard and anchored to one of the vertical bars, springs between others of the vertical bars and the strap and normally holding the strap away from the standard, a foot plate having a central bearing through which said rod extends, a leg for supporting the foot plate, and a stool adjacent the foot plate, and seating devices arranged on the platform.

4. In a merry-go-round of the class described, a vertical standard, means for supporting the standard, a horizontal circular platform, radiating bars under the platform, anti-friction means between the inner ends of the radiating bars and the upper ends of the standard, a rod rising from the upper end of the standard to a central opening in the platform, a wheel on the upper end of the rod, vertical bars depending from the inner portions of the radiating bars, diagonal bars extending inwardly and downwardly from the outer portion of the radiating bars to the lower end of the vertical bars, casters at the lower ends of the diagonal bars bearing against the standard, a lever pivotally mounted on one of the radiating bars and extending through a slot in the platform, a strap engaged with the lower end of the lever and extending around the standard and anchored to one of the vertical bars, springs between others of the vertical bars and the strap and normally holding the strap away from the standard, a foot plate having a central bearing through which said rod extends, a leg for supporting the foot plate, and a stool adjacent the foot plate, and seating devices arranged on the platform, the upper end of the rod being hollow, a parasol including a handle, the lower end of which is disposed in the hollow upper end of the rod.

5. In a merry-go-round of the class described, a base, a standard rising from the base, a platform revolubly mounted on the standard, a bar depending from the platform, a lever pivotally mounted on the platform and extending through a slot in the platform,

a strap engaged with the lower end of the lever and extending around the standard and anchored to said bar, spring means normally urging the strap out of engagement with the standard, and said lever adapted to be manually actuated for moving said strap into frictional engagement with the standard, for applying a braking action to the platform.

In testimony whereof I affix my signature.

ROAL DOS SANTOS.