A. LEWANDOWSKI AND M. KATAFIASZ.

MERRY-GO-ROUND.

APPLICATION FILED NOV. 18, 1920.

1,393,629. **Patented Oct. 11, 1921.**

3 SHEETS—SHEET 1.

FIG. 1.

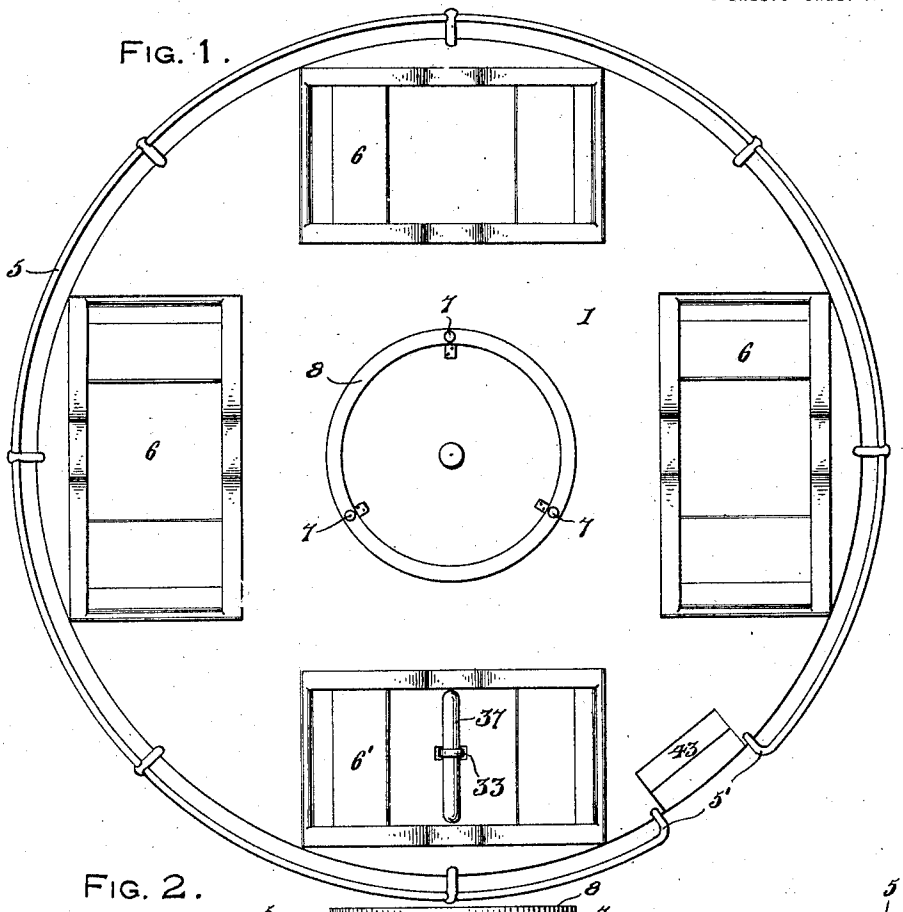
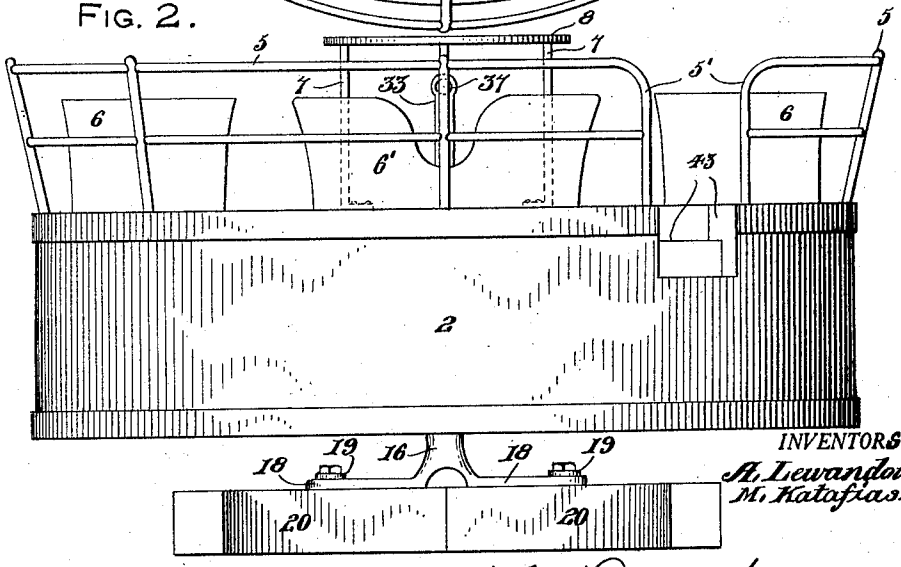


FIG. 2.



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3 SHEETS—SHEET 2.

FIG. 3.

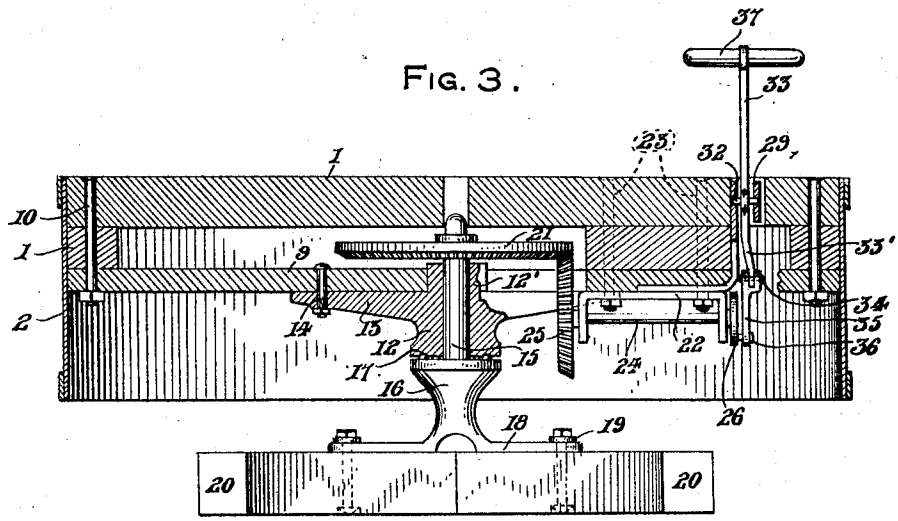


FIG. 4.

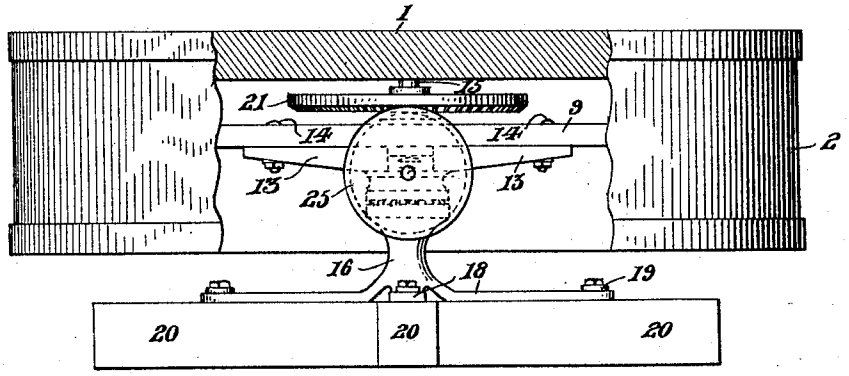


FIG. 7.

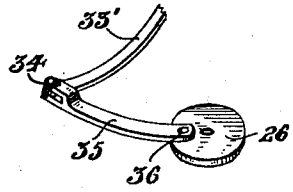
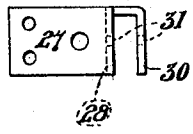


FIG. 8.



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3 SHEETS—SHEET 3.

FIG. 5.

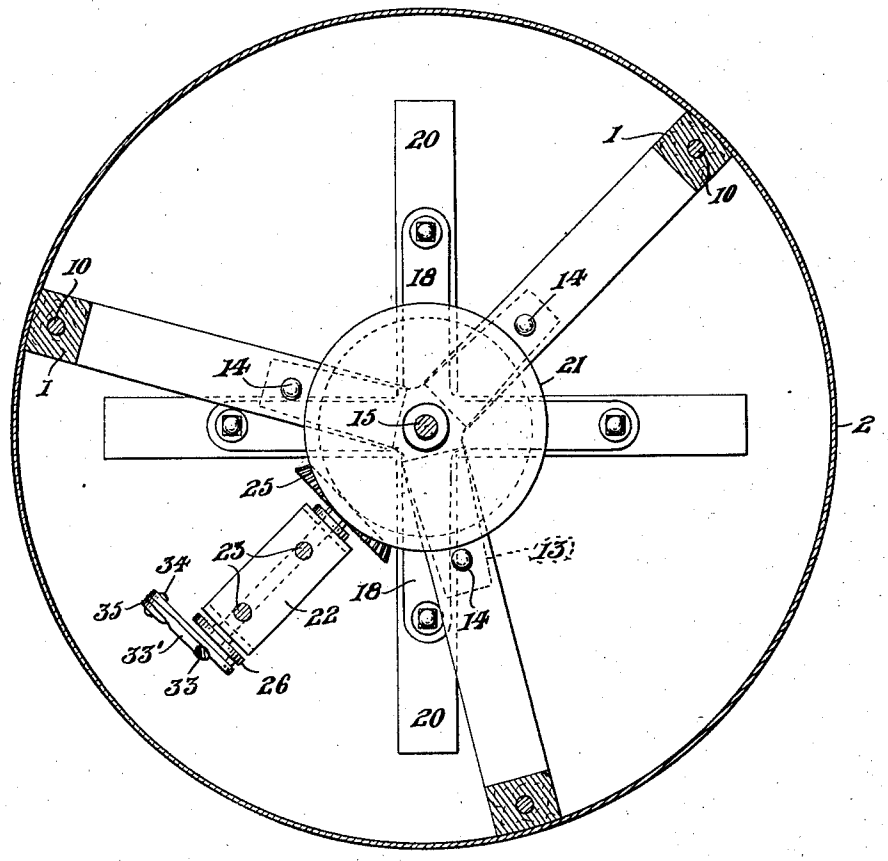
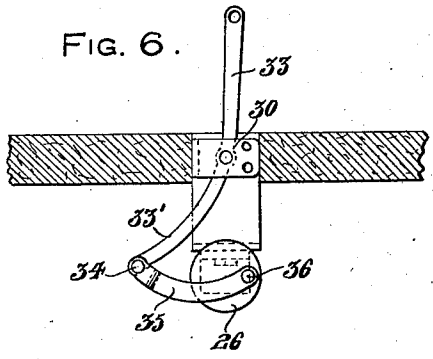


FIG. 6.



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ANTHONY LEWANDOWSKI AND MICHAEL KATAFIASZ, OF TOLEDO, OHIO.

MERRY-GO-ROUND.

1,393,629. Specification of Letters Patent. Patented Oct. 11, 1921.

Application filed November 18, 1920. Serial No. 424,966.

To all whom it may concern:

Be it known that we, (1) ANTHONY LEWANDOWSKI and (2) MICHAEL KATAFIASZ, (1) a citizen of Poland and (2) a citizen of the United States of America, residing at Toledo, in the county of Lucas and State of Ohio, have invented certain new and useful Improvements in Merry-Go-Rounds, of which the following is a specification.

This invention relates to certain new and useful improvements in amusement devices such as merry-go-rounds wherein a turn table is rotatably mounted upon a mounting post with passenger chairs supported on the turn table.

A further object of the invention is to provide an amusement device in the form of a merry-go-round embodying a rotatable table or platform having a series of chairs positioned thereon with an operating lever extending upwardly from the mounting base into one of the chairs for engagement by the operators of the device.

With the above and other objects in view, the present invention consists in the novel form, combination and arrangement of parts hereinafter more fully described in connection with the accompanying drawings and in which like reference characters indicate similar parts throughout the several views.

In the drawings,—

Figure 1 is a top plan view of a merry-go-round constructed in accordance with the present invention,

Fig. 2 is a side elevational view of the same,

Fig. 3 is a vertical cross sectional view showing the rotating mechanism for the merry-go-round and the operating lever extending above the platform or turn table,

Fig. 4 is a side elevational view, partially broken away showing the meshing gears for rotating the platform,

Fig. 5 is a horizontal sectional view,

Fig. 6 is a detail sectional view showing the operating lever extending above the rotatable platform with the lower end thereof connected to the propelling mechanism,

Fig. 7 is a perspective view of the operating lever eccentrically connected to the disk on the power shaft, and

Fig. 8 is a side elevational view of the mounting bracket for the operating lever.

Referring more in detail to the accompanying drawings, there is illustrated a merry-go-round embodying a rotatable platform 1 inclosed by a depending band sheathing 2 suitably secured thereto and having a side cut away portion 3 with entrance steps 4 to the platform 1. An upstanding peripheral guard rail 5 is carried by the platform 1 with side bars 5′ at the entrance opening 3. As shown in Figs. 1 and 2, a series of carriages 6 is mounted on the platform 1 adjacent the outer edge thereof within which the passengers are carried. A central cage is provided by posts 7 and a superposed ring 8 affords a space in the center of the platform for a conductor or other person to collect tickets from the passengers and to be in charge of the device.

The platform 1 is rotatably mounted upon a base through the medium of a spider frame 9 connected at their outer ends by bolts 10 to the platform 1 with spacing blocks 11 surrounding the bolts 10 between the platform and spider frame. A center bearing block 12 carries an upstanding boss 12′ received in a central opening in the spider frame 9 with radial arms 13 carried by the block 12 for attachment to the spider by bolts 14. A stub shaft 15 projecting perpendicularly from a bearing block 16 extends through an opening in the block 12 with the adjacent faces of the blocks 12 and 16 spaced by bolt bearings 17. Radial feet 18 are carried by the lower end of the block 16 and are secured as at 19 to a base member 20. In the space between the platform 1 and the spider frame 9, a horizontal bevel gear 21 is fixed to the upper end of the stub shaft 15.

The rotating mechanism for the platform 1 includes the mounting of an inverted U-shaped bracket 22 upon the lower side of the spider frame 9 shown more clearly in Fig. 3 by the bolts 23, a shaft 24 being journaled in the depending arms of the U-shaped bracket while the bevel wheel gear 25 carried by the inner end of the shaft is in constant meshing engagement with the bevel gear 21 fixed to the stub shaft 15. A disk 26 is fixed to the opposite projecting end of the shaft 24 for purposes presently to appear. A bracket of the form shown in Fig. 8 includes a plate 27 secured to the spider frame 9 within the bracket 22 and secured thereto by the bolts 23, an angle leg 28 of the bracket 27 extending perpendicularly therefrom and upwardly into the opening 29 formed in the platform 1 with an angle ex-

tension 30 carried by the upper end of the arm 28, the arm 28 and extension 30 having alined openings 31 within which lateral pins 32 carried by an operating lever 33 are pivotally mounted. This construction is more clearly shown in Figs. 3 and 6, the lever 33 being curved as at 33′ and connected at its lower end as at 34 to one end of a curved link 35, the other end of which link is eccentrically connected as at 36 to the disk 26. A cross handle 37 is carried by the upper end of the lever 33, the lever projecting upwardly through the opening 29 in the platform and centrally of the carriage 6′.

In the operation of the device, the platform is rotated through the medium of the lever 33 and meshing gears connected with the stationary gear 21, reciprocation of the lever 33 causing continuous rotation of the disk 26 by the link connection 35 with a rotation of the shaft 24 and gear 25 fixed to said shaft. The gear 21 being stationarily mounted upon the stub shaft 15 fixed to the mounting base 20, the bevel gear 25 will translate relative to the gear 21 to effect rotation of the platform 1 and parts carried thereby. The speed of rotation may be controlled by the power applied to the lever 33, while the braking of the platform is effected by offering resistance to the movements of the lever 33 during movement thereof. The passengers mount the platform 1 through the side entrance 5′ and steps 4 for riding in the carriages 6, the conductor being inclosed within the central cage ring 8 while the propelling operators are stationed within the carriage 6′.

While there is herein shown and described the preferred embodiment of the invention, it is nevertheless to be understood that minor changes may be made therein without departing from the spirit and scope of the invention as claimed.

What is claimed as new is:

A merry-go-round of the type described comprising a mounting base, a bearing block secured to said base, a vertical shaft projecting from said block, a horizontal bevel gear upon the end of said shaft, a platform rotatably mounted upon the shaft including a circular top plate, a spider frame beneath said plate and spaced therefrom by suitable spacing blocks, the horizontal bevel gear positioned between the said top plate and spider frame in mesh with a vertical bevel gear carried by said platform, means for imparting rotation to the platform and a depending band sheathing carried by said platform.

In testimony whereof we affix our signatures.

ANTHONY LEWANDOWSKI.
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