

J. BOLYKI,

CAROUSEL.

APPLICATION FILED MAR. 8, 1918.

1,275,834.

Patented Aug. 13, 1918.

2 SHEETS—SHEET 1.

Fig. 1.

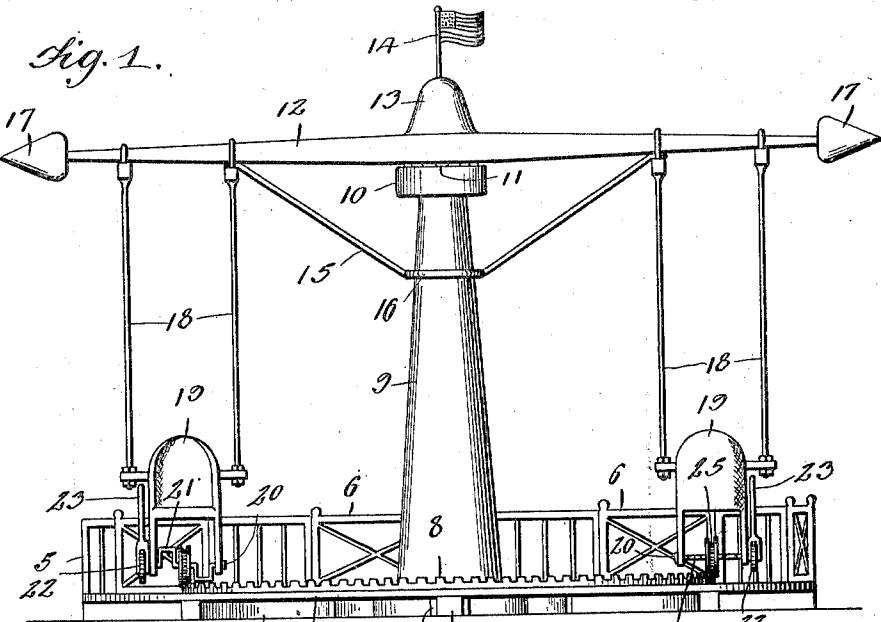
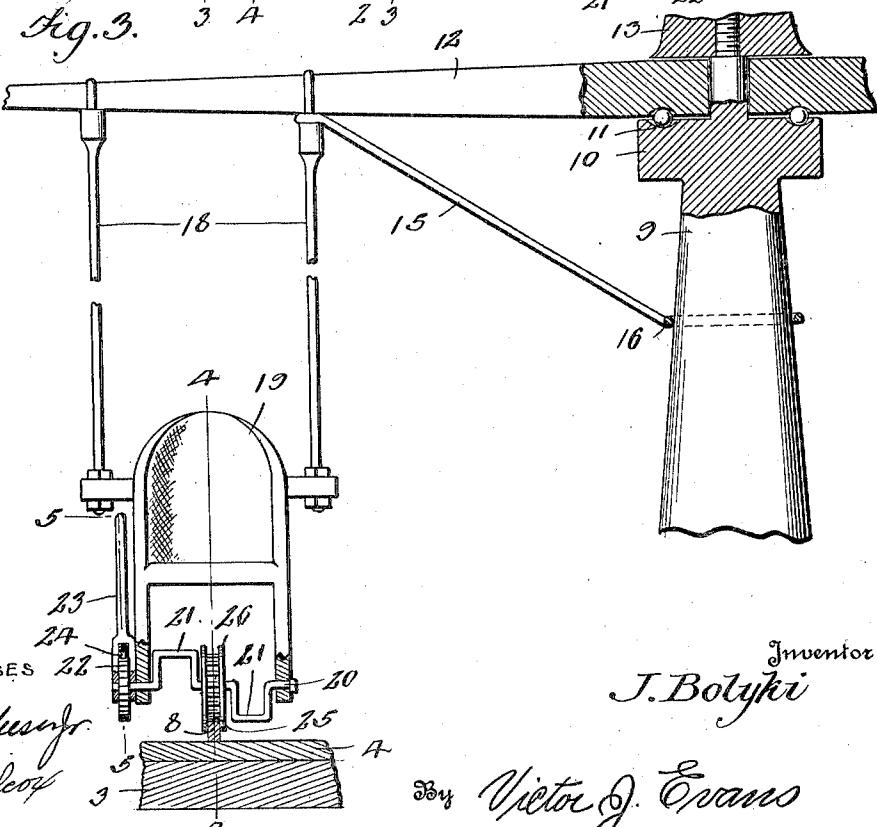


Fig. 3.



WITNES

Chdeesw.

L. Wilcox

Inventor
J. Bolyki

By *Victor J. Evans* Attorney

Attorney

1,275,834.

J. BOLYKI

CAROUSEL

APPLICATION FILED MAR. 8, 1918

Patented Aug. 13, 1918.

2 SHEETS—SHEET 2.

Fig. 2.

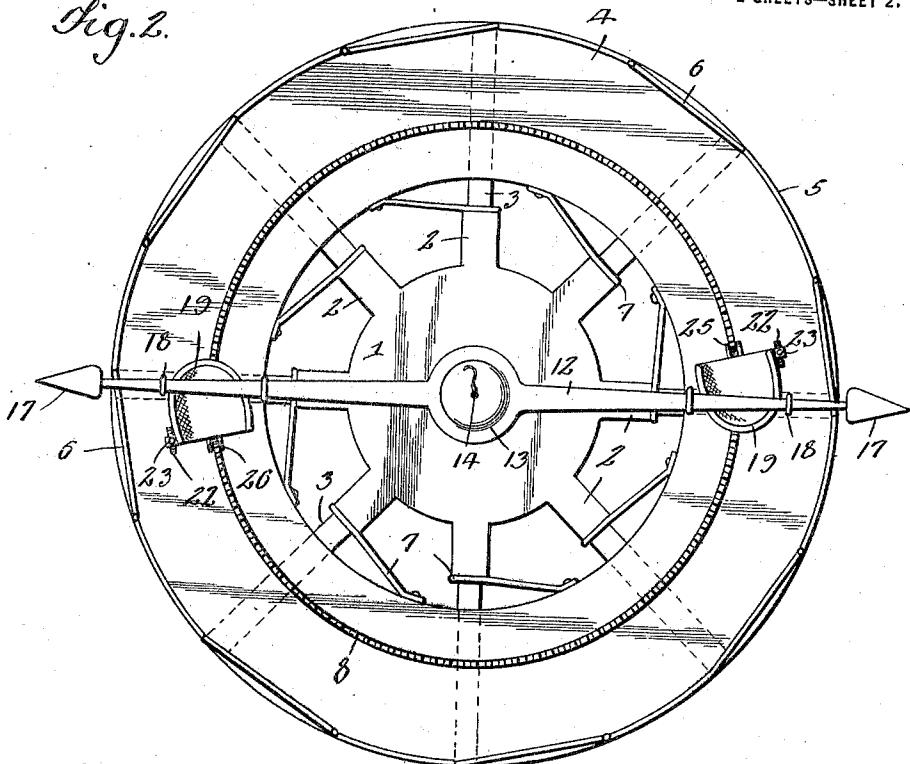
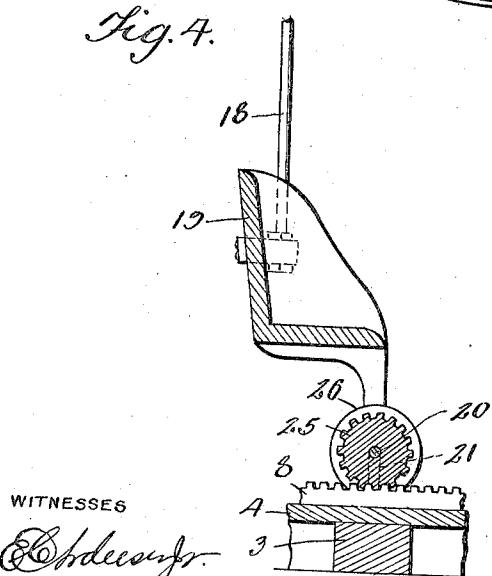
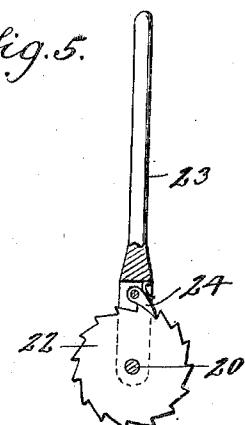


Fig. 4.



WITNESSES

Addressed
L. Wilson



J. Bolyki, Inventor

By *Victor J. Evans*

Attorney

UNITED STATES PATENT OFFICE.

JOHN BOLYKI, OF BRUCEVILLE, INDIANA.

CAROUSEL.

1,275,834.

Specification of Letters Patent. Patented Aug. 13, 1918.

Application filed March 8, 1918. Serial No. 221,209.

To all whom it may concern:

Be it known that I, JOHN BOLYKI, a citizen of the United States, residing at Bruceville, in the county of Knox and State of Indiana, have invented new and useful Improvements in Carousels, of which the following is a specification.

This invention relates to carousels of the merry-go-round type and it consists in the novel features hereinafter described and claimed.

An object of the invention is to provide an amusement device of the character stated which is of simple and durable structure and having its parts so arranged that they may be operated by the occupants of the chairs which constitute parts of the device whereby the said chairs are caused to move in a circular path about a standard and over a suitable platform provided at the base of the device.

In the accompanying drawings:

Figure 1 is a side elevation of the carousel.

Fig. 2 is a top plan view of the same.

Fig. 3 is a fragmentary vertical sectional view of the same.

Fig. 4 is a vertical sectional view through a chair of the carousel.

Fig. 5 is a detailed view of a lever mechanism used upon the carousel.

The carousel comprises a base member 1 which is adapted to be positioned upon a stationary support and which is provided at its edge with suitable sleeves 2. Beams 3 are secured at their inner ends in the sleeves 2 and the said beams support a circular platform 4. A railing or partition 5 is mounted at the outer edge of the platform 4 and the said railing or partition is provided at intervals with openings which are normally closed by means of hinged doors or gates 6. Braces 7 are connected with the inner portion of the platform 4 and the inner end portions of the beams 3 and serve to steady the platform 4 in its position upon the said beams. Teeth 8 are mounted upon the upper surface of the platform 4 and the said teeth are arranged in the form of a circle.

A vertically disposed standard 9 is mounted at the center of the base member 1 and is fixed with relation to the same. A head 10 is mounted upon the upper portion of the standard 9 and is provided at its upper side with a suitable race in which is located bearing balls 11. The upper portion of the

standard 9 passes transversely through a beam 12 at a point between the ends thereof and the lower side of the said beam bears upon the upper portions of the bearing balls 11. A cap member 13 is mounted upon the upper end of the standard 9 above the beam 12 and may be provided with a socket for retaining a flag 14 or other decoration. Braces 15 depend from the end portions of the beam 12 and carry at their lower ends a ring 16 which surrounds the intermediate portion of the standard 9 and which may turn thereon. Weights 17 may, if desired, be applied to the ends of the beam 12.

Hangers 18 depend from the intermediate portions of the beam 12 and at the opposite sides of the standard 9 and the said hangers are arranged in pairs. A chair 19 is carried by each pair of hangers 18 and a crank 75 shaft 20 is journaled to the frame of each chair 19. The cranks 21 of the shaft 20 may be used as pedals by the occupant of the chair 19 whereby the crank shaft 20 may be rotated.

Ratchet wheels 22 are fixed to the end portions of the shaft 20 and levers 23 are pivoted upon the shaft 20 and carry spring pressed pawls 24 which are adapted to engage the teeth of the wheels 22 when the levers 23 are swung in one direction and sweep or slide over the said teeth when the levers 23 are swung in an opposite direction. Therefore the levers 23 may be used by the occupant of the chair as an additional means for rotating the shaft 20. A gear wheel 25 is mounted at the intermediate portion of the shaft 20 and its teeth mesh with the teeth 8 hereinbefore described and which are mounted upon the platform 4. The gear wheel 25 is provided at its sides with flanges 26 the lower portions of which extend beyond the upper ends of the teeth 8 and the said flanges serve as means for preventing the wheel 25 from moving laterally out of engagement with the teeth when the carousel is in operation or motion.

From the foregoing description taken in conjunction with the accompanying drawings it will be seen that an amusement device of simple and durable structure is provided and that the same may be operated by those who are using the device. When the beam 12 is at a state of rest persons may step upon the platform 4 by passing through the openings which are normally closed by the gates 6 and assume sitting positions in the

chairs 19. If all of the chairs are filled the weights 17 are removed but should there be an occupant in a chair at one end portion of the beam 12 and no occupant in the chair at the other end portion a weight 17 is applied at that end of the beam which carries the unoccupied chair. Thus the beam is counterbalanced upon the standard 9. The occupants of the chairs may use the foot pedals and the hand levers for effecting the rotation of the shaft 20. As the shaft 20 rotates the wheel 25 will travel over the teeth 8 and inasmuch as these teeth are held in stationary positions by the platform chairs 19 are carried around the standard 9 and consequently the carousel is operated by the occupants of the chairs.

Having described the invention what is claimed is:—

20 A carousel comprising a base member, a

platform fixed with relation to the base member, teeth mounted upon the platform and arranged in the form of a circle, a standard mounted upon the base member, a beam journaled upon the standard, hangers depending from the beam, a chair carried by the hangers, a crank shaft journaled upon the frame of the chair and having pedals, a gear wheel mounted upon the crank shaft and meshing with the teeth upon the platform, ratchet wheels mounted upon the crank shaft and levers having pawls mounted upon the crank shaft the pawls of the said levers adapted to engage the ratchet wheels when the levers are swung in one direction and escape the teeth of the ratchet wheels when the levers are swung in an opposite direction.

In testimony whereof I affix my signature.

JOHN BOLYKI.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."