J. L. CHINN.

MERRY-GO-ROUND.

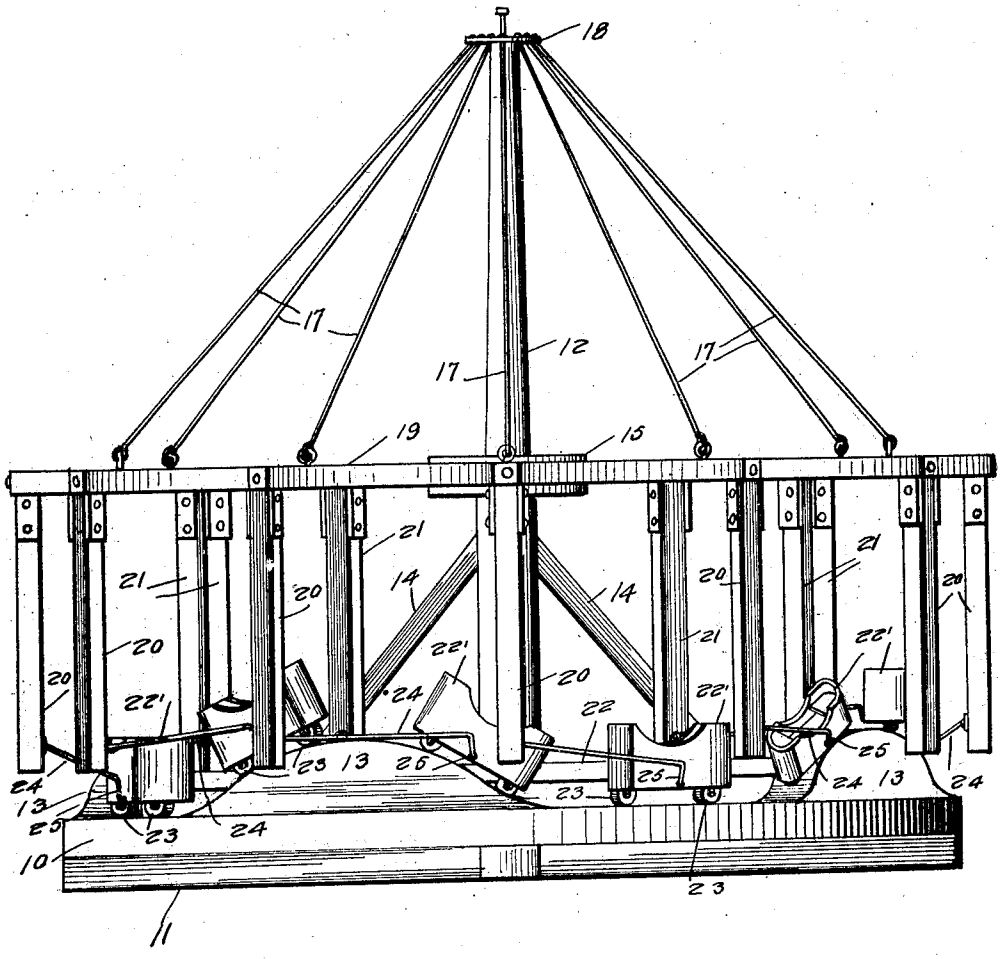
APPLICATION FILED FEB. 18, 1920.

1,395,175.

Patented Oct. 25, 1921.

4 SHEETS—SHEET 1.

FIG. 1.



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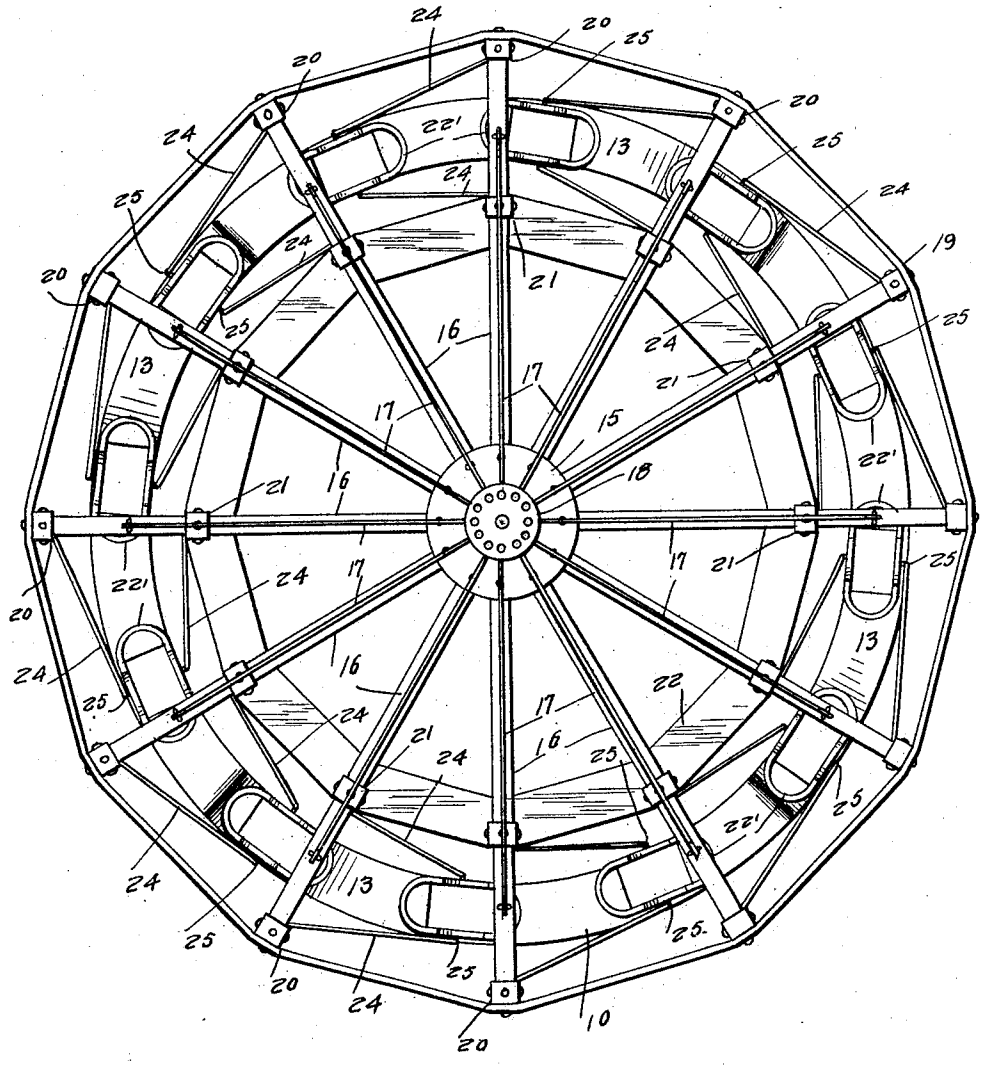
4 SHEETS—SHEET 2.

Fig. 8.



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4 SHEETS—SHEET 3.

FIG. 3.

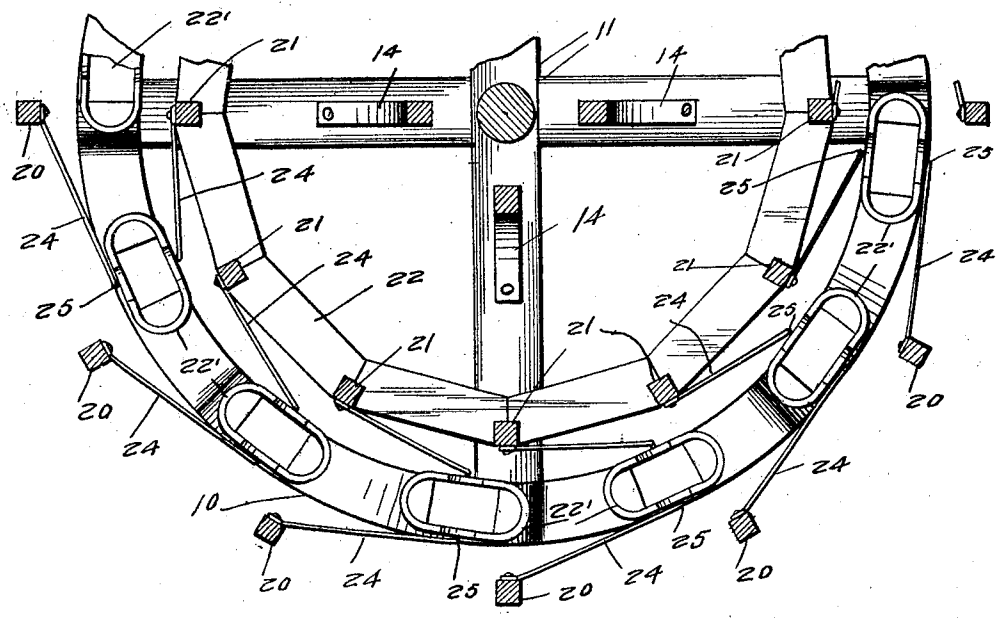
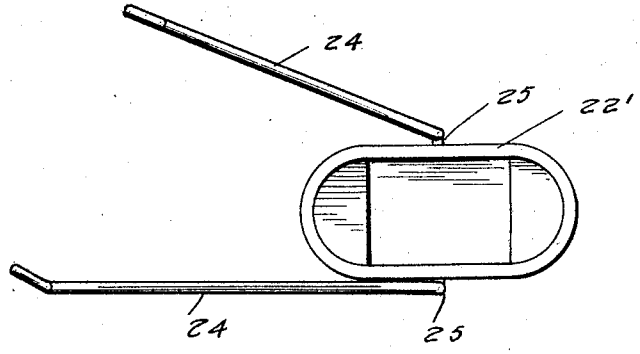


FIG. 5.



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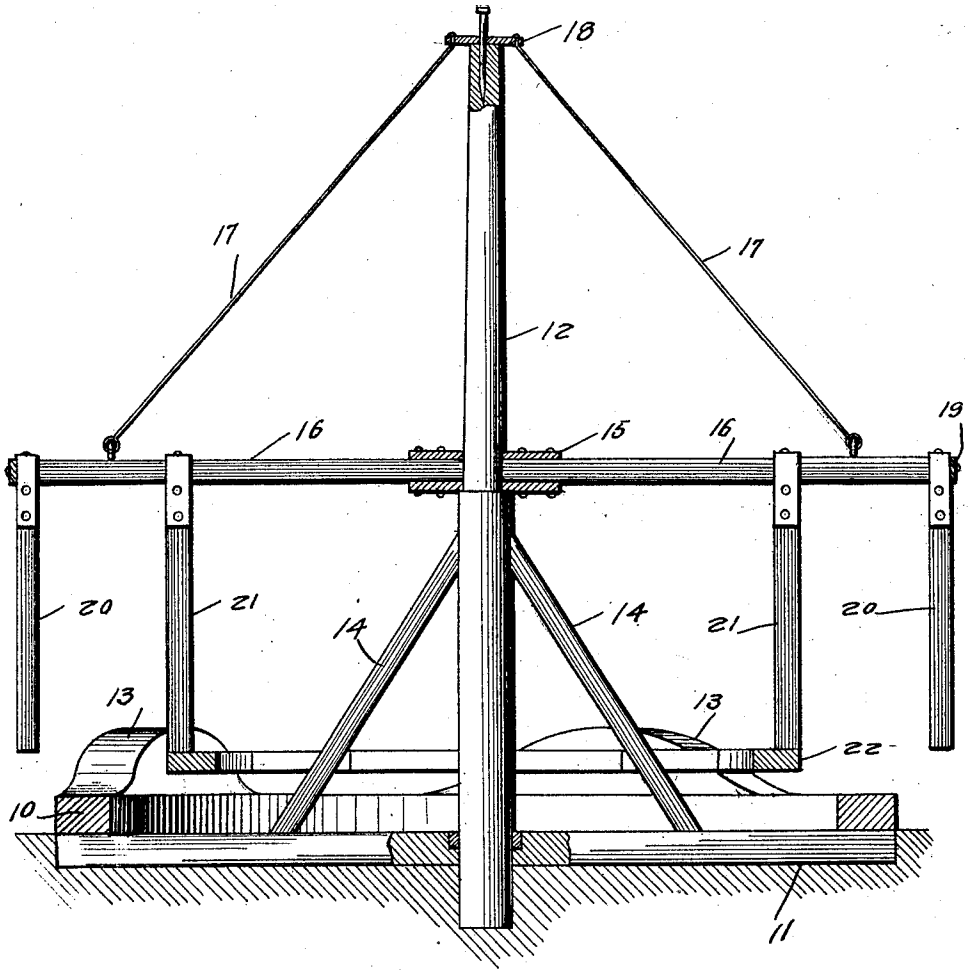
4 SHEETS—SHEET 4.

FIG. 4.



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UNITED STATES PATENT OFFICE.

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MERRY-GO-ROUND.

1,395,175. Specification of Letters Patent. Patented Oct. 25, 1921.

Application filed February 18, 1920. Serial No. 359,754.

To all whom it may concern:

Be it known that I, JOSEPH L. CHINN, a citizen of the United States, residing at West Huntington, in the county of Cabell and State of West Virginia, 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 an improved merry-go-round or carrousel as amusement devices of this character are called and one object of the invention is to provide a device of the character described so constructed that cars may be caused to move about a circular track and to further so construct the track and so mount the cars that the cars may be passed over elevation provided at points about the circumference of the tracks.

It will thus be seen that this amusement device will include in a merry-go-round a construction somewhat similar to a roller coaster.

Another object of the invention is to so construct the cars and so connect them with the hanger arms of the rotating element that the cars may be carried about the circular track and permit it to move easily over the raised portions of the track.

Another object of the invention is to provide a merry-go-round which will be strong and durable and simple in construction.

This invention is illustrated in the accompanying drawings, wherein:

Figure 1 is a side elevation of the improved merry-go-round.

Fig. 2 is a top plan view.

Fig. 3 is a partial horizontal sectional view taken directly above the cars and looking downwardly.

Fig. 4 is a vertical sectional view through the merry-go-round.

Fig. 5 is a detail plan view of one of the cars and means for connecting the car with the depending arm.

This merry-go-round is provided with a circular track indicated by the numeral 10 and supported upon a foundation 11 from which extends the mast 12. This track is provided at points about its circumference with raised sections formed on the arc of a circle and constituting hills 13 over which the cars will pass. It will thus be seen that as the cars pass about the tracks they will have an up and down movement while passing over the hills.

The mast which is braced by the diagonally extending braces 14 carries a collar 15 which is rotatably mounted upon the mast and carries radiating arms 16 which arms are braced against downward movement by the truss rods or cables 17 which lead from the disk 18 loosely mounted upon the upper end of the mast. These radiating arms have their outer ends connected by the straps 19 and carry depending hanger bars 20 and 21, the hanger bars 20 being positioned outside the outer circumference of the track and the depending hanger bars 21 being positioned inside the inner circumference of the track and connected by planking to form a walk 22 upon which the operator of the merry-go-round may stand and along which he may walk when collecting fares.

The cars 22 are positioned upon the track between the depending hanger bars and are provided with forward and rear rollers 23, the rollers being wide so that the cars will not have a tendency to turn over. These cars are connected with the depending hanger bars by rods 24 which are loosely connected with the lower end portions of the hanger bars and are bent to provide depending end portions 25 loosely connected with the cars adjacent the centers of the cars. It will thus be seen that the cars may be carried around the circular track and may have pivotal movement thus permitting them to easily pass over the hills of the track.

When this device is in operation the operating mechanism which consists of the hub collar and radiating arms will be rotated in any suitable manner and as this supporting device rotates the cars will be moved about the circular track and will pass over the elevations provided thereon. The attendants having charge of the device will stand upon the circular platform or pathway 22 and can thus walk around the device and collect the tickets. It will thus be seen that there has been provided a machine so constructed that the cars may move along a circular track and in addition to this movement about a circular track they have movement over hills similar to those provided upon a roller coaster.

What is claimed is:—

1. An amusement apparatus having a rotatable frame, inner and outer rows of de-

pending bars thereon, a track intermediate the rows, cars movable on the track, means connecting the cars to said bars, and a platform joining the bars of the inner row to dually serve to brace the structure and as a walk for the conductor.

2. An amusement apparatus having a mast, means journaling the mast, beams radiating from the mast, means supporting the beams from the mast, a plurality of bars depending from each beam, said bars being arranged in an inner and an outer row, a track intermediate the rows, cars movable on the track, rods pivoted to the cars and to the bars, a platform joining the bars of the inner row to dually serve to brace the structure and as a walk for the conductor.

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

JOSEPH L. CHINN.

Witnesses:
WM. MARTIN,
H. O. VICE.