Dec. 26, 1922. 1,439,765

J. M. SEAWELL.
SWINGING CAROUSEL.
FILED MAY 5, 1921.

Fig. 1.

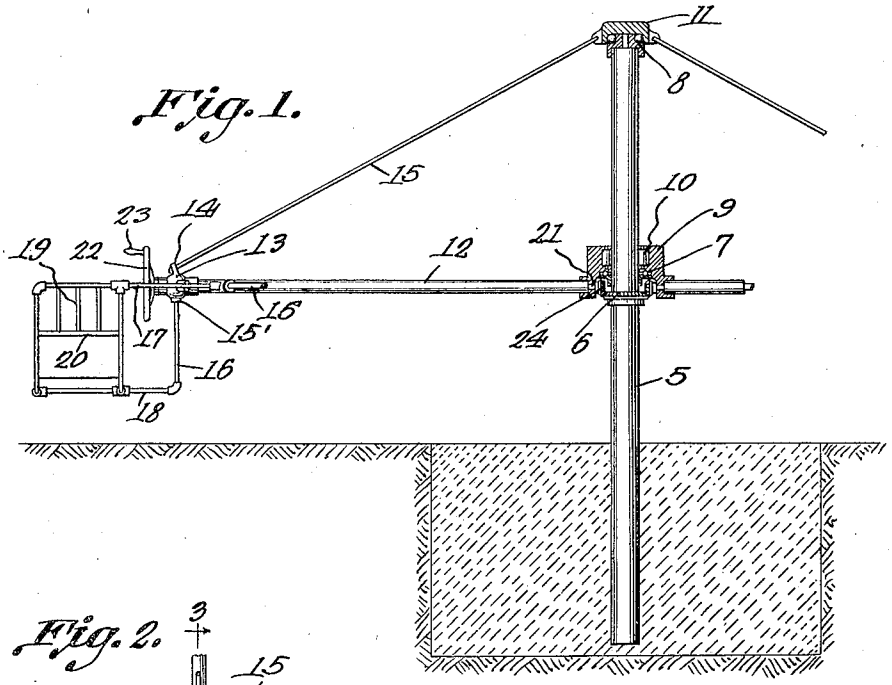
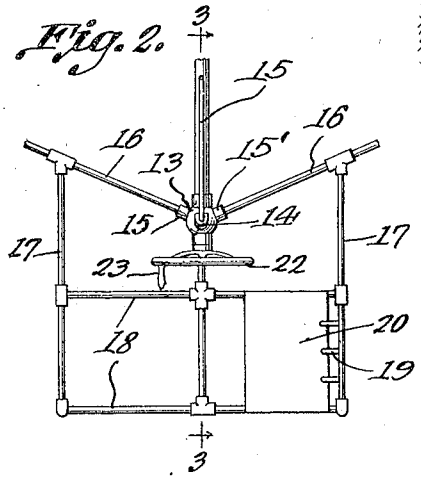


Fig. 2.



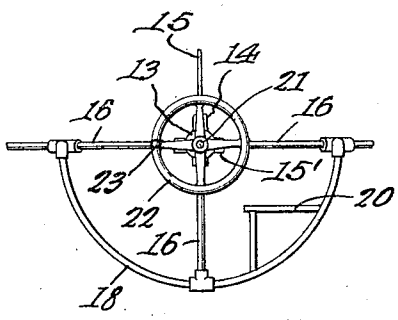
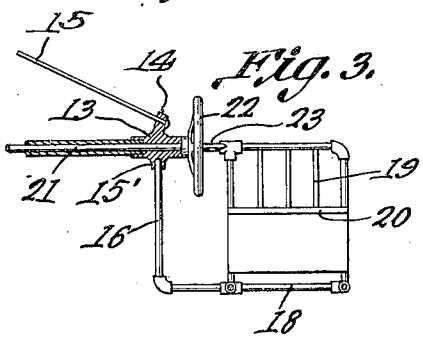


Fig. 4.

Fig. 3.



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Patented Dec. 26, 1922. 1,439,765

UNITED STATES PATENT OFFICE.

JOSEPH MARION SEAWELL, OF RICHMOND, VIRGINIA.

SWINGING CARROUSEL.

Application filed May 5, 1921. Serial No. 466,975.

To all whom it may concern:

Be it known that I, JOSEPH M. SEAWELL, a citizen of the United States, residing at Richmond, in the county of Henrico and State of Virginia, have invented certain new and useful Improvements in Swinging Carrousels, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to improvements in carrousels, one object of the invention being the provision of a type of carrousel in which the rider manipulates to rotate the main frame and the receptacle which is radially supported therefrom.

A further object of this invention is the provision of a device of this character in which the main frame is supported so that the carrying member is a slight distance above the ground and so that the operating device is in ready access to the occupant, who has the whole device under his control.

A still further object of this invention is the provision of a carrousel which is simple, durable and inexpensive in construction and thoroughly efficient and practical in use.

In the accompanying drawings:

Figure 1 is a view partly in section and in elevation showing one occupant member of the carrousel.

Figure 2 is a top plan view of the occupant member in the adjacent part of the mechanism.

Figure 3 is a section taken on line 3—3 of Figure 2.

Figure 4 is an end elevation as illustrated in Figure 3.

Referring to the drawings, the numeral 5 designates the main standard or support which is preferably tubular and which is mounted fixedly in any desired manner, it being provided with the fixed gear 6, the fixed bearing ring 7 and the upper bearing ring 8. The main housing or casing 9 surrounds the shaft and is provided with the roller bearing 10 which bears against the support 5 and also the ball bearings disposed to cooperate with the ring 7. The cap piece 11 is antifrictionally supported on the member 8, having the inner ends mounted fixedly so as to rotate. From the member 9 are tubular supports 12 having fixed upon the outer end a casting or frame 13 having a lug 14 to which it is connected to the cap casting 11 through the guy or supporting rod 15. Fitted into the sockets 15′ are the tubular members 16 which constitute a support, as will presently appear, for the seat frame and also connect the various rotating tubes or arms 12 together. Connected to the rods 16 by means of the tubular arms 17 and 18, is the frame work 18′ which as shown in Figure 4 is semicircular and provides a proper support for the seat 20, having the back members 19, the frame being open outwardly so that the occupant may readily step into and out of the frame work carrying the seat. Although not here shown, any barrier device such as a strap or chain may be employed to increase the safety of the device.

Journalled within the tube 12 is a shaft 21 which has an operating balance wheel 22 with a crank 23 upon the outer end in proper position to be grasped by the right hand of the occupant, while upon the inner end of said shaft is a small pinion 24 which is in mesh at all times with the fixed pinion 6 of the standard 5. It will thus be seen that by rotating the shaft 21 that the complete rotating member will be moved about the standard 5 and will be under the control of the occupant of the seat 20, or as many of them as may be occupied, there being one operating device for each seat frame.

What I claim as new is:

The herein described carrousel, including a central support having mounted rigidly centrally of its end a bevelled pinion and at the top thereof an intermediate bearing ring, a casing surrounding the support intermediate the ends adjacent the bevelled gearing and forming a box therefor, a flange plate fixed to the support above the bevelled gearing and cooperating with the casing to form a bearing therefor, antifrictional bearings mounted between the flange plate and the casing, a plurality of radial shafts journalled at their inner ends in the casing, a plurality of tubular casings having the inner ends fixed to the first casing and surrounding the respective radial shafts, said shafts extending about the end thereof, bevelled gears carried upon the inner ends of the shafts and in mesh at all times with the first bevelled gear, means for connecting the outer ends of the tubular casings together and maintaining them in spaced relation and for movement in unison, supporting guy rods connected to the outer ends

thereof, means for connecting the upper ends of the guy rods together and for supporting them for rotation upon the upper end of the first support, an operating wheel attached to the free end of the radial shaft, and an operator carrying member attached to the outer end of the radial casings and to the connecting members therefor whereby the latter is carried by the radial casings and guy rods and the operating wheel is accessible thereto.

In testimony whereof I affix my signature.

JOSEPH MARION SEAWELL.