

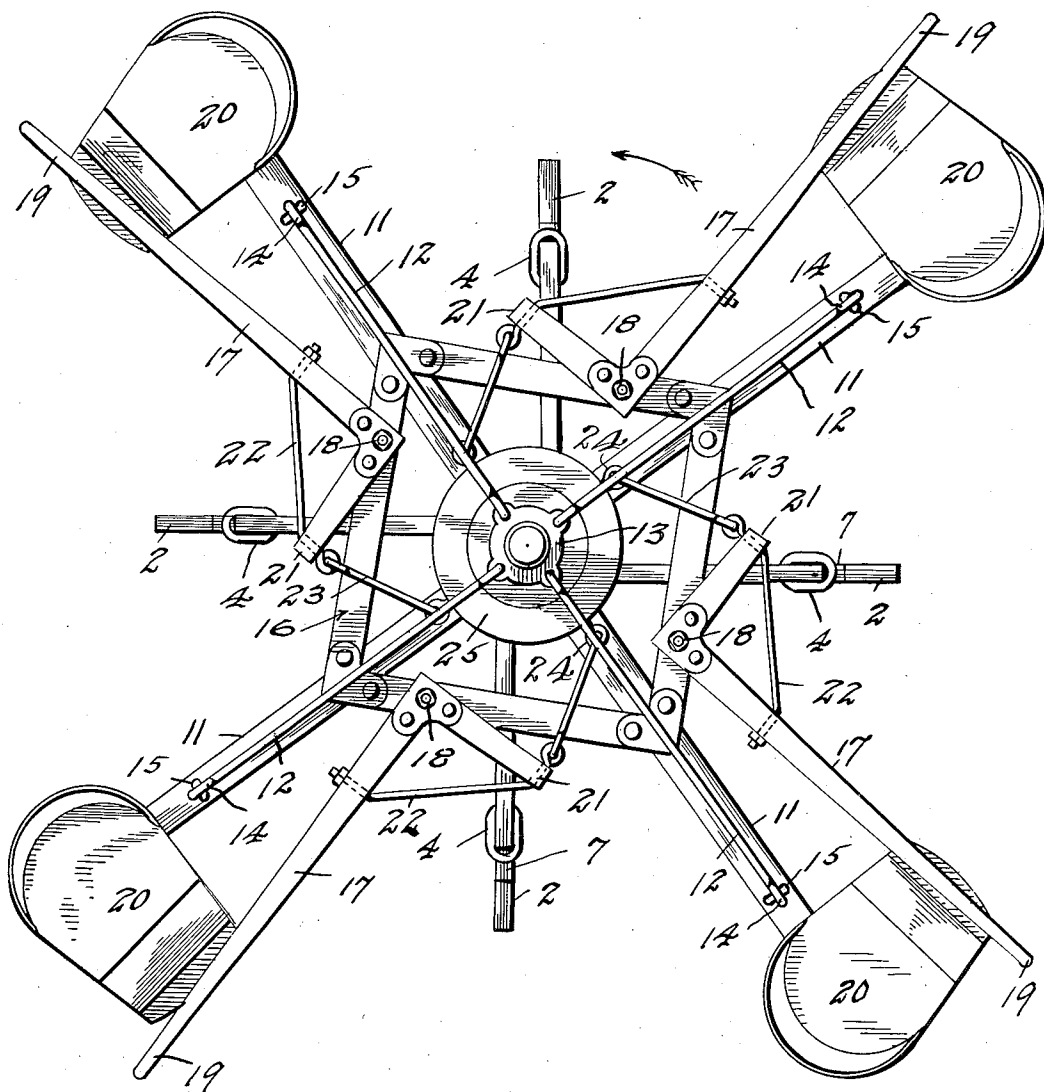
F. A. DYSON.
MERRY-GO-ROUND.
APPLICATION FILED AUG. 18, 1908.

935,003.

Patented Sept. 28, 1909.

2 SHEETS—SHEET 1.

FIG. 1.



WITNESSES
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B. L. Miller.

INVENTOR
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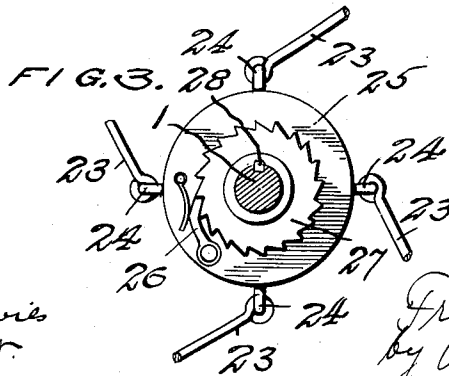
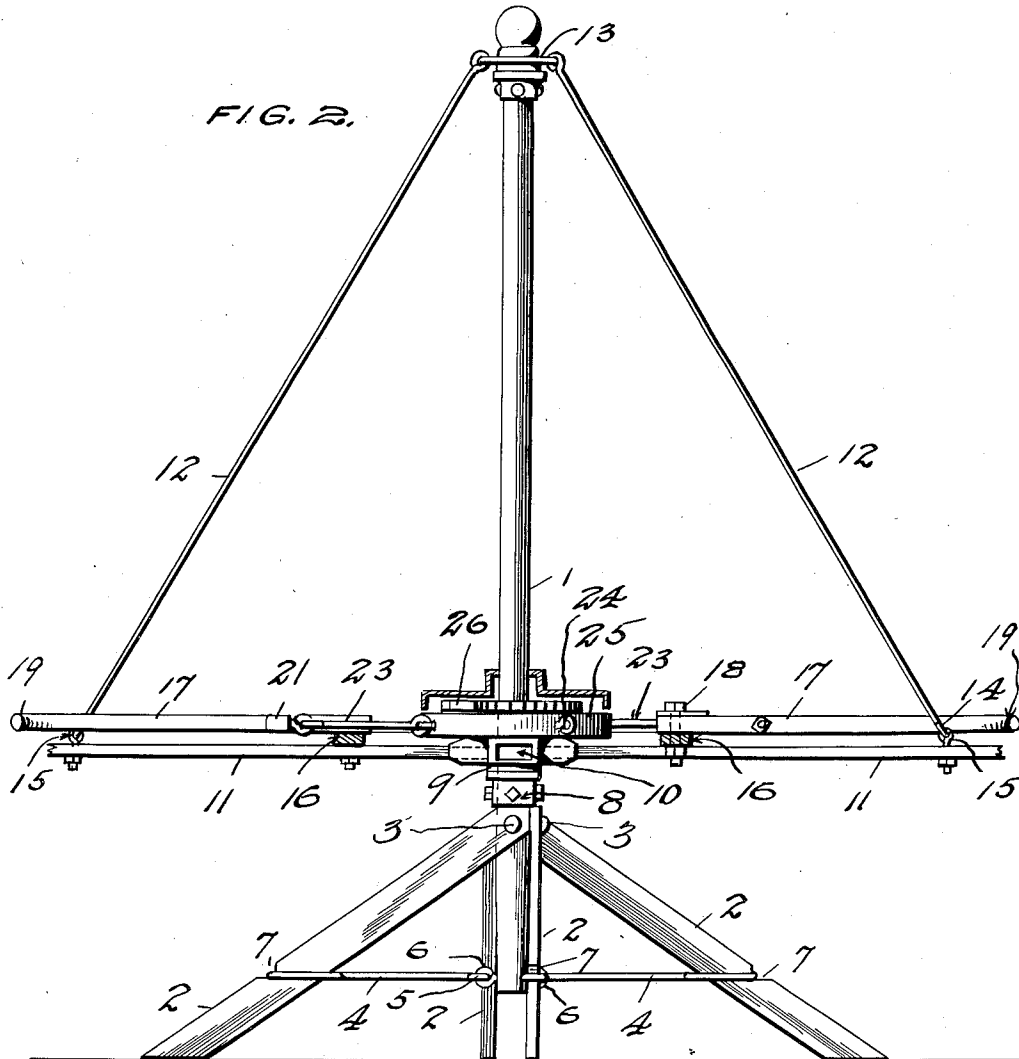
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2 SHEETS—SHEET 2.



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UNITED STATES PATENT OFFICE.

FREDERICK A. DYSON, OF CONWAY SPRINGS, KANSAS.

MERRY-GO-ROUND.

935,003.

Specification of Letters Patent. Patented Sept. 28, 1909.

Application filed August 18, 1908. Serial No. 449,064.

To all whom it may concern:

Be it known that I, F. A. DYSON, citizen of the United States, residing at Conway Springs, in the county of Sumner and State of Kansas, have invented certain new and useful Improvements in Merry-Go-Rounds, of which the following is a specification.

My invention relates to improvements in merry-go-rounds, and has for its object the provision of a device of this character which will be simple in construction, easily manipulated, and which may be set up or taken down with facility.

The device comprises comparatively few elements and these elements are connected together in a manner so that the use of tools is practically obviated.

The invention consists in certain novel features of constructions and combinations and arrangements of parts as hereinafter described and claimed.

In the accompanying drawings I have illustrated one example of the physical embodiment of my invention, constructed according to the best mode I have so far devised for the practical application of the principles.

Referring to the drawings, Figure 1 is a plan view of the device as a whole. Fig. 2 is a vertical central sectional view, and Fig. 3 is a plan view of the clutch mechanism, parts being shown in section.

The center supporting pole 1, is suspended a distance above the ground by means of the four legs 2, which legs are attached at 3 to the pole and have brace rods 4 extending from near the bottoms thereof to the center pole. These rods 4 have hooks 5 at their ends which are for engagement with the eyes 6 bolted to the lower end of the center pole and the rods 4 are looped around the legs 2 in the notches 7 cut therein. It will thus be observed that the center pole is rigidly supported a distance above the ground by the frame formed of the four supporting legs 2.

A suitable distance up on the supporting pole is located a rigid collar 8, upon which rests the bearing ring 9 having sockets 10 therein. The four seat beams 11 each have their ends inserted in these sockets and extend diametrically outward from the center supporting pole. These beams 11 are suspended and braced from the pole 1 by means of stay rods 12, which are connected to the bearing plate or ring 13, located at the upper end of the supporting post 1, and pro-

vided with hooks 14 to engage the eyes 15 on the seat beams 11.

Supported on and attached to the seat beams is the rectangular frame 16, and to this frame the operating levers 17 are pivoted at 18. As will be observed, each of these four levers 17 is pivoted on the frame 16 so that the outer end or handle 19 of the lever is just in front of the seat 20, secured at the ends of the seat beams 11. An extension 21 of the lever 17 is braced thereto by means of the rod or long bolt 22, and to this extension 21 is connected a link 23, which link is connected to the eye bolt 24, secured in the turn table 25. This turn table 25 is adapted to rotate around the center supporting pole 1. As shown in Fig. 3, a spring pressed pawl 26 is carried by the turn table 25, and is adapted to engage teeth or corrugations formed in the plate or ring 27, which is secured, as by a key 28, to the supporting post.

The operation of the device is obvious. The device may be operated by one or more occupants, depending upon the number of seats and the accommodation afforded thereby. The motion is similar to rowing a boat. The occupant of the seat 20 pulls on the lever 17, the lever is turned on its pivot 18, and the link 23 is pulled around the pole, carrying with it the turn table 25. It will be understood, of course, that the pawl 26 is in engagement with one of the teeth of the plate 27. Thus, the turn table 25 is given a continuous rotation around the pole and, as the lever 17 is manipulated, the pawl 26 engages a different tooth and continues to push against the stationary plate 27, thus practically shoving the frame 16 around in the direction of the arrow shown in Fig. 1. By this means, the occupants of the seats 20, are carried in a circle around the center supporting post.

From the above description taken in connection with the drawings, it becomes obvious that I have provided a device which fulfils the purpose set forth as the objects of my invention, which will prove a source of entertainment and recreation to children, and afford an interesting means for exercising certain muscles during play.

Having thus fully described my invention, what I claim as new and desire to secure by Letters Patent is:

1. The combination with a post, of a turn-table, a frame supported thereon comprising

seat beams with seats, levers pivoted in the frame and connected to the turntable by links, a toothed ring secured to the post, and a pawl engaging said ring and carried by the turntable.

2. The combination with a supporting post and a toothed ring secured thereon, of a turntable carrying a pawl for engaging said ring, a frame comprising seat beams, levers pivoted in the frame and connected to the turntable, an upper bearing ring on the post, and stay rods extending from said ring to the seat beams.

3. The combination with a supporting post and a toothed plate secured thereon, of a bearing ring formed with sockets to receive seat beams, an upper bearing ring on the post and stay rods extending therefrom to the seat beams, a turntable, a frame supported on the beams, levers pivoted in the

frame and connected to the turntable, and a pawl carried by the turntable engaging the toothed plate.

4. The combination with a center post having supporting legs and brace rods connecting said members, and a toothed plate secured on the post, of a bearing ring formed with sockets to receive seat beams, an upper bearing ring on the post connected by stay rods to the beams, a turntable, a rectangular frame supported on the beams, levers pivoted in the frame and connected to the turntable, and a pawl carried by the turntable engaging the toothed plate.

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

FREDERICK A. DYSON.

Witnesses:

E. A. WITHROW,
H. F. LANE.