J. J. CONNOLLY, Jr.

TOY MERRY-GO-ROUND.

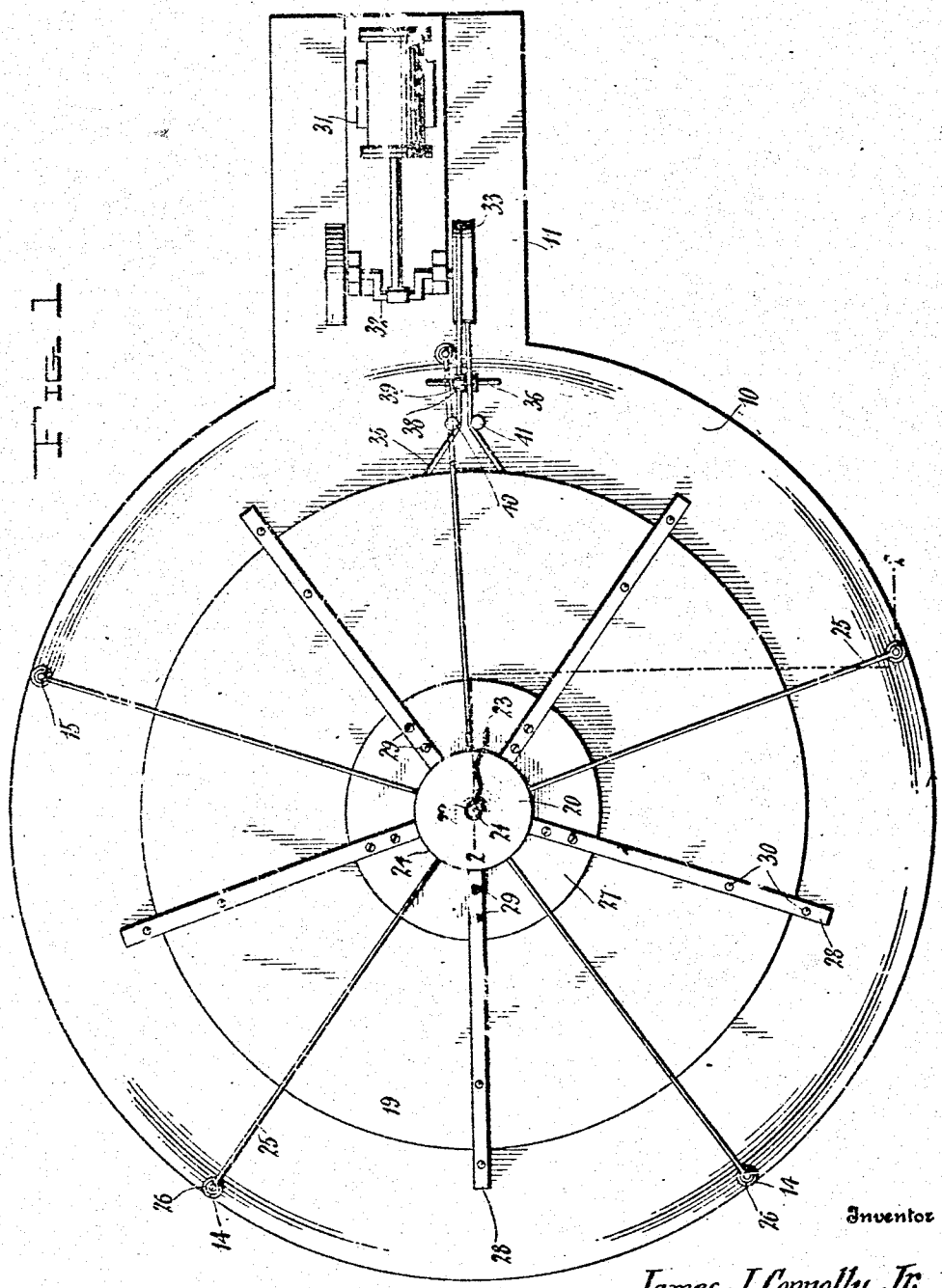
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990,035.

Patented Apr. 18, 1911.

3 SHEETS—SHEET 1.

Fig. 1



Witnesses

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3 SHEETS—SHEET 2.

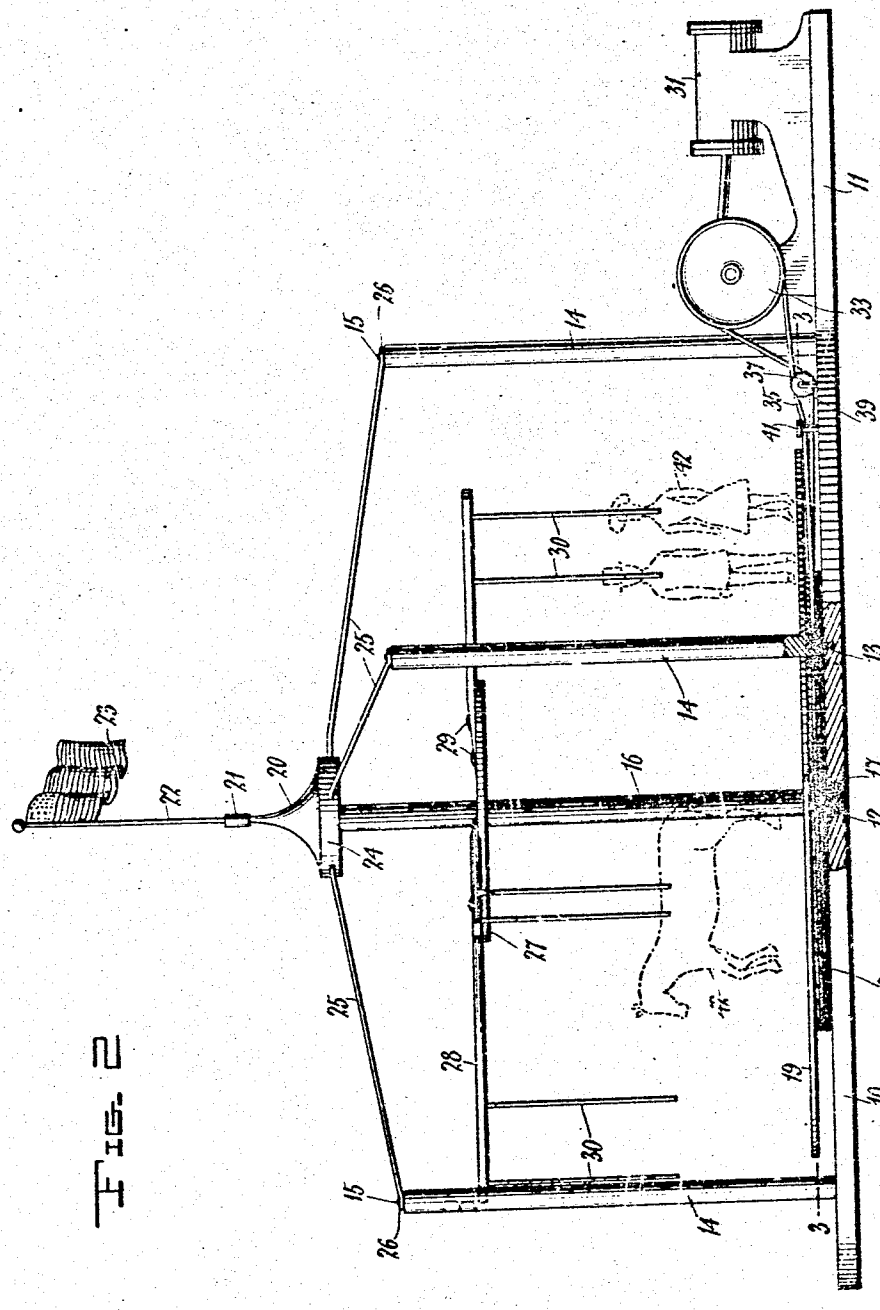


FIG. 2

Witnesses

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2 SHEETS—SHEET 3.

Fig. 4

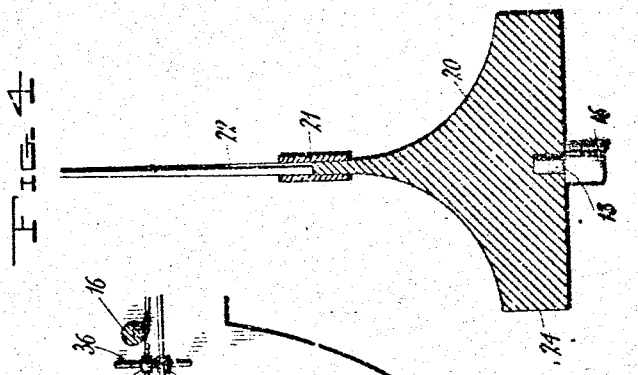
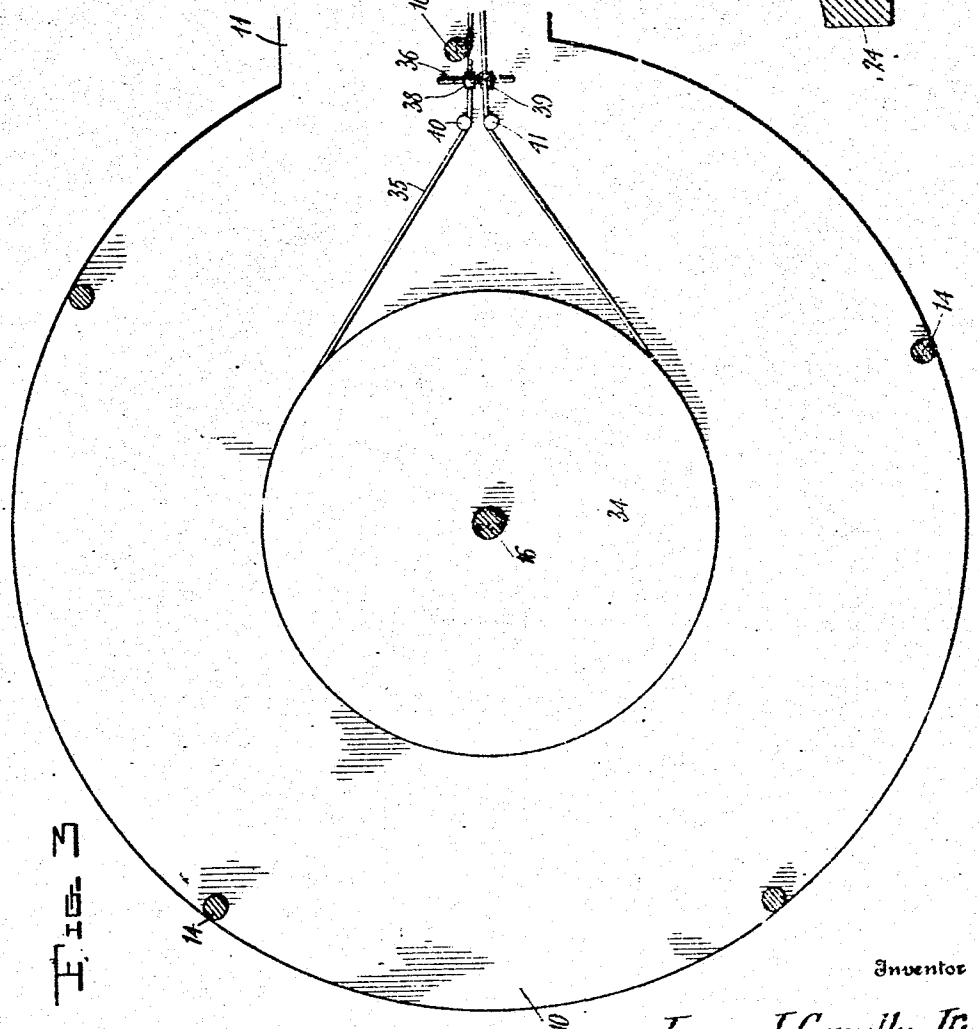


Fig. 3



Witnesses

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UNITED STATES PATENT OFFICE.

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TOY MERRY-GO-ROUND.

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To all whom it may concern:

Be it known that I, JAMES J. CONNOLLY, Jr., a citizen of the United States, residing at New Bedford, in the county of Bristol, State of Massachusetts, have invented certain new and useful Improvements in Toy 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 toy merry-go-rounds, and has for one of its objects to simplify and improve the construction and decrease the expense of manufacture of devices of this character.

With these and other objects in view the invention consists in a base member having a lateral projection at one side for supporting a motor, a plurality of spaced posts at the margin of the base, a central post mounted for rotation upon the base, a floor member carried by the post near its lower end, a disk carried by the post intermediate its ends and provided with a plurality of radiating arms from which figures of persons, animals or objects are suspended, a cap bearing upon the upper end of the central post, radiating stay members between the cap and the marginal posts, and means whereby the rotary motion of the motor is imparted to the central post and thence to the arms carrying the figures.

The invention further consists in certain novel features of construction as hereafter shown and described and then specifically pointed out in the claim, and in the drawings illustrative of the preferred embodiment of the invention, Figure 1 is a plan view of the improved device. Fig. 2 is a side elevation with portions in section on the line 2—2 of Fig. 1. Fig. 3 is a plan view in section on the line 3—3 of Fig. 2. Fig. 4 is an enlarged sectional detail illustrating the construction of the head portion of the improved device.

The improved device comprises a base 10, preferably of wood and formed with a lateral projection 11 at one side, the base having a central socket or step 12 and with spaced marginal apertures to receive vertical holding devices 13 operating to support a plurality of spaced vertical posts 14. The member 10 is preferably circular and the posts 14 are therefore arranged at equal distances apart around the margin of the base. For the purpose of illustration five of these posts are shown, but it will be understood that any required number may be employed. Each of the posts 14 is provided with a pin 15 extending from its upper end, the object to be hereafter explained.

Centrally of the base portion 10 a post 16 is arranged, the lower end of the post having a stud 17 fitted in the socket 12 and rotative therein, while a stud 18 extends from the upper end of the central post, as shown. Mounted upon the post 16 and spaced a short distance from its lower end is a floor 19 preferably of heavy cardboard and in circular shape with its margin spaced slightly from the posts 14.

Arranged above the stud 18 of the central post, is a cap member 20 having a socket bearing over the stud 18. The cap is preferably cone shape as shown, and with a tubular sleeve 21 upon its upper end, the sleeve being utilized to carry a small pole 22 to support a flag 23 or other ornament. The lower end of the cap 20 is formed with a short vertical portion 24, and fitting into the vertical portion at their inner ends are a plurality of rods 25, the rods equal in number to the posts 14 and each rod provided with an eye 26 fitting over one of the pins 15 of the posts, whereby the member is coupled to the posts and supported in position to carry the upper end of the post 16 and thus support the latter in vertical position.

Mounted upon the post 16 and spaced below its upper end is a disk 27, the disk connected securely to the central post and partaking of its motion. Connected to the disk 27 are a plurality of arms 28, the arms arranged radially of the disk, as shown. Each of the arms 28 is formed with its inner end inclined and secured as by screws 29 or other fastening means to the disk 27, and each of the arms is likewise provided with spaced vertical apertures to receive vertical rods 30, the rods utilized to carry figures of people, animals and the like, as shown. By this means it will be obvious that when the post 16 is rotated the disk 27 with its arms 28 and the figures supported upon the rods 30 will be rotated with the post and likewise with the floor, as hereafter more fully explained.

Mounted upon the projection 11 is a toy

motor 31, which may be an ordinary toy steam engine having means such as an alcohol lamp for generating the requisite heat to produce the steam and with a crank shaft 32 having a cord pulley 33. Connected to the post 16 between the floor 19 and the socket 12 is a cord pulley 34 around which a cord belt 35 leads from the pulley 33 of the engine.

Rising from the base 10 opposite the extension 11 is a horizontal shaft 36 having depending ends 37 by which it is supported spaced above the base. Mounted for rotation upon the shaft 27 are two guide pulleys 38—39, the guide pulleys being loose upon the shaft 36. Rising from the base 10 are two spaced guide pins 40—41 in position to guide the cord belt 35 in its passage from the pulleys 38—39 and between the pulleys 33—34. By this simple means it will be obvious that the belt will be properly guided in its operation and prevented from running off from the pulleys. The motion of the engine 31 is thus communicated to the post 16 and thence to the rigid disk 27 with its arms 28 and the figures carried by the rods 30, the various figures being indicated by the character 42.

The base member 10 with its extension 11 together with the posts 14 and 16, the cap 20, the disk 27 and the arms 28, will preferably be of wood, the base 10 and its extension 11 being integral, while the floor 19 will preferably be of pasteboard of sufficient thickness to be self sustaining when attached to the post. The cord pulley 34 will also preferably be of wood while the suspension rods 30, the stay rods 25 the supporting sleeve 21 and the flag staff 22 will preferably be of metal. The shaft 36 with its depending ends 37 will preferably be formed of a single piece of wire with the terminals of the portions 37 inserted into sockets in the base 10, while the pins 40—41 will also be of wire inserted at their ends in the base. The guide pulleys 38—39 may be of wood or metal as preferred, while the engine employed may be any of the ordinary toy engines in common use.

The figures 42 may be varied to any required extent and figures already manufactured may be employed or figures may be constructed especially for the device. The figures will be detachably connected to the rods 30 so that they may be changed as required to increase the interest in the toy and to enable the child to change the figures around as desired.

What is claimed is:—

A toy merry-go-round comprising a base member provided with a central step and spaced marginal apertures, a central post rotatively engaging in said step, spaced outer posts having pins extending from their ends and engaging by the pins at one end in said marginal apertures, a cap member fitting upon said central post and in which the same revolves, rods extending between said cap member and the upper pins of said spaced posts, a disk connected to said central post intermediate the ends, a second disk secured to said central post adjacent its lower end and adapted to serve as a rotating platform, a plurality of arms radiating from said upper disk, and a plurality of figures depending from said arms above said rotating platform.

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

JAMES J. CONNOLLY, JR.

Witnesses:
J. J. HUGHES,
PHILIAS J. GAUVIN.