

(No Model.)

2 Sheets—Sheet 1.

W. E. MEISSNER.

MERRY-GO-ROUND.

No. 603,589.

Patented May 3, 1898.

Fig: 1.

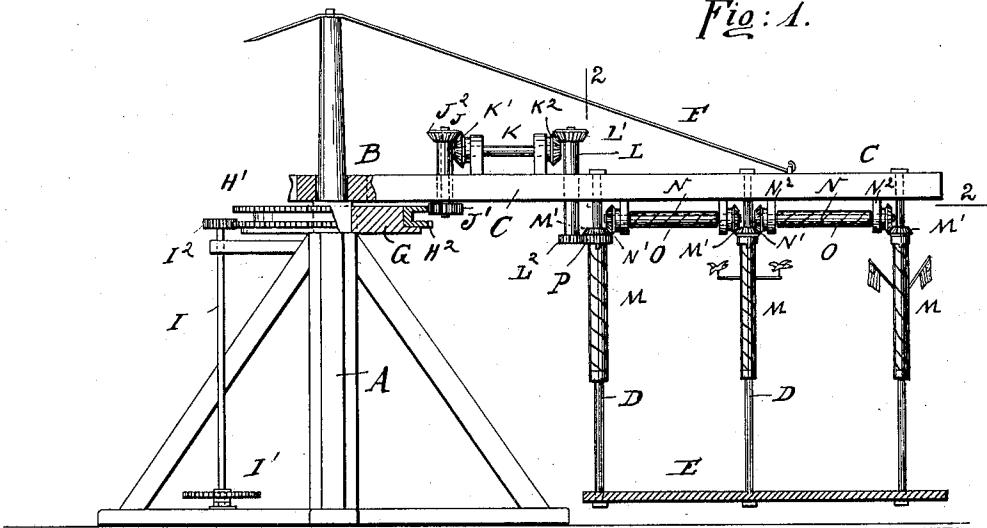
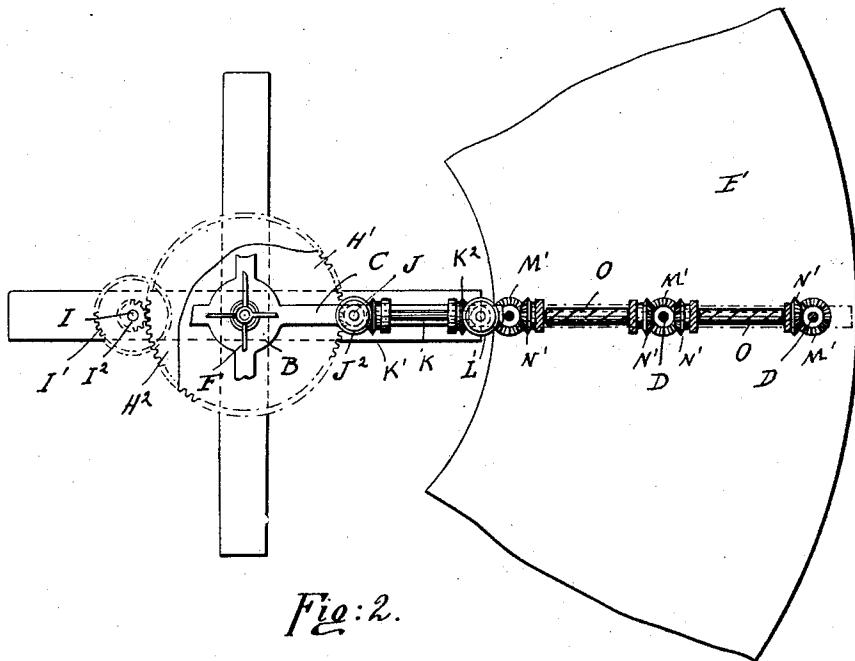


Fig: 2.



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Fig: 3.

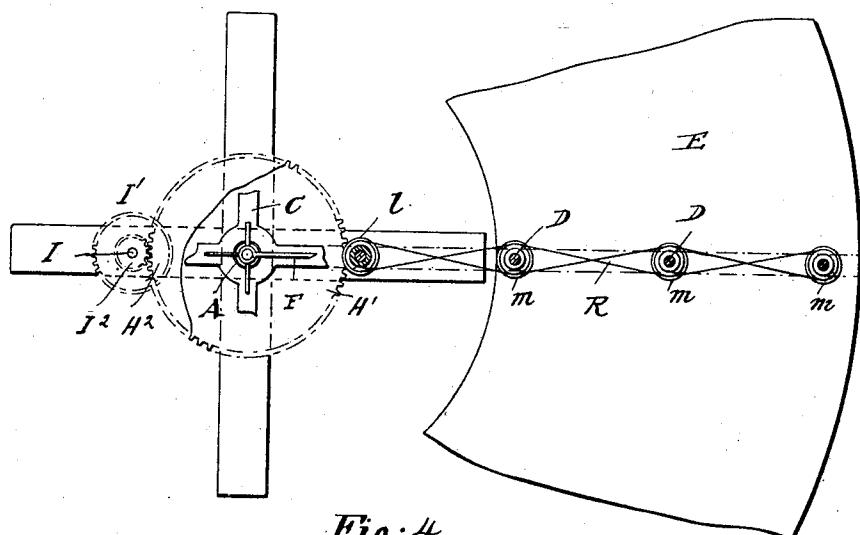
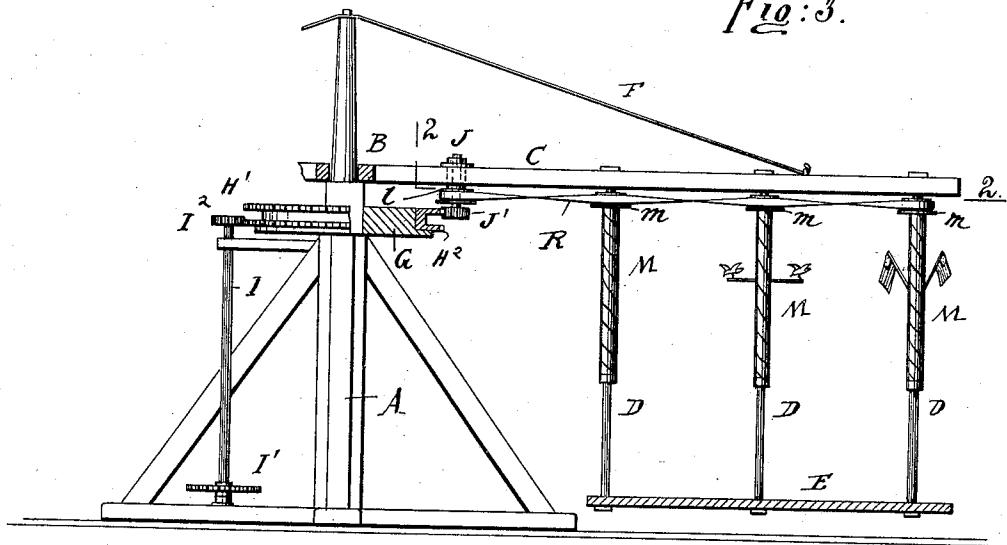


Fig: 4.

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# UNITED STATES PATENT OFFICE.

WILLIAM E. MEISSNER, OF ROCKAWAY BEACH, NEW YORK.

## MERRY-GO-ROUND.

SPECIFICATION forming part of Letters Patent No. 603,589, dated May 3, 1898.

Application filed May 29, 1897. Serial No. 638,683. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM E. MEISSNER, a citizen of the United States, and a resident of Rockaway Beach, in the county of Queens 5 and State of New York, have invented certain new and useful Improvements in Merry-Go-Rounds, of which the following is a specification.

This invention relates to merry-go-rounds; 10 and the object of my invention is to provide a new and improved attachment to the same which is novel and attractive, ornamental, serves to call attention to the merry-go-round, and which is operated automatically when the 15 merry-go-round is in operation and can also be operated when the merry-go-round is at rest.

In the accompanying drawings, forming a 20 part of this specification, and in which like letters of reference indicate like parts in all the views, Figure 1 is a vertical sectional view of my improved attachment for merry-go-rounds, showing one construction. Fig. 2 is a horizontal sectional view of the same on 25 the line 2 2 of Fig. 1, parts being broken away. Fig. 3 is a view similar to Fig. 1, showing another construction. Fig. 4 is a horizontal sectional view on the line 3 3, parts being broken away.

30 The central post A is secured in any well-known manner, and on the same the hub B is mounted to turn horizontally, and from said hub the arms C project radially and are braced and supported by the rods F, extending 35 from the top of said post to the arms C. The annular platform E is suspended by means of the hanger-rods D from the arms C.

Below the hub B a circular frame G is fastened in horizontal position on the post A and 40 is surrounded by the two cog-rings H' H<sup>2</sup>, which are connected to rotate together around the circular frame G.

The cog-ring H<sup>2</sup> is engaged by a cog-wheel l<sup>2</sup> on the upper end of a vertical shaft I, carrying a cog-wheel I', by means of which said 45 shaft can be rotated from a suitable motor.

The cog-ring H' engages a pinion J' on the lower end of a vertically-mounted shaft J in the arm C, said shaft J carrying at its upper 50 end a bevel-pinion J<sup>2</sup>, engaging a bevel-pinion K' on one end of a short horizontally-mounted shaft K on the arm C, which shaft

K carries at its opposite end the bevel-pinion K<sup>2</sup>, which engages the bevel-pinion L' on the upper end of a vertically-mounted shaft L on 55 the arm C, which shaft L carries at its lower end the cog-wheel L<sup>2</sup>.

On each hanger-rod D a sleeve M is mounted to turn freely, which sleeves are ornamented by spiral lines, flags, rods carrying birds, &c., 60 and each sleeve M is provided at its upper end with a bevel-pinion M', which bevel-pinions M' engage bevel-pinions N' on the ends of horizontal shafts N, mounted in hangers N<sup>2</sup> on the under side of the arm C, on which 65 shafts are fixed ornamented sleeves O.

The sleeve M nearest the inner end of the arm C is provided directly below the pinion M' with a cog-wheel P, which engages the cog-wheel L<sup>2</sup> on the vertical shaft L. 70

When the merry-go-round is at rest, the shaft I is rotated, and thereby the cog-rings H' H<sup>2</sup> are rotated around the circular frame G, and from the same the several sleeves M and N are rotated on their longitudinal axis 75 and produce a very pleasing effect.

When the merry-go-round is in motion, the shaft I is held fixed, and as the cog-wheel J' runs on the upper cog-ring H' the sleeves M and N are also rotated. The said sleeves can 80 thus be rotated at all times, whether the merry-go-round is at rest or not.

In the construction shown in Figs. 3 and 4 the shaft J carries a belt-pulley l, and over the same and pulleys m on the upper ends of 85 the sleeves M the endless belt R passes. Thus when the shaft I is rotated and the merry-go-round is at rest or when the shaft I is held and the merry-go-round is in operation the sleeves M are rotated likewise. 90

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

1. In a merry-go-round, the combination with a central post and a frame mounted to 95 rotate around the same, of rotative ornamental sleeves on the frame, two united cog-rings, mounted to turn around said central post, means for rotating the above-mentioned sleeves from one of said cog-rings and a driving-shaft for rotating the other cog-ring, substantially as herein shown and described. 100

2. In a merry-go-round, the combination with a central post and a frame mounted to

rotate around the same, of hanger-rods on said frame, a circular platform suspended from said hanger-rods, ornamental sleeves mounted to rotate on said hanger-rods and means for 5 rotating said sleeves from the central post, substantially as herein shown and described.

3. In a merry-go-round, the combination with a central post and a frame, mounted to rotate around the same, of hanger-rods on said 10 frame, a circular platform suspended from said hanger-rods, ornamental rotative sleeves on said hanger-rods, ornamental rotative

15 sleeves between the hanger-rods, gearing for rotating the several sleeves and means for operating said gearing from the central post, substantially as herein shown and described.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of two witnesses, this 20th day of April, 1897.

WILLIAM E. MEISSNER.

Witnesses:

OSCAR F. GUNZ,  
N. M. FLANNERY.