A. G. SHARKEY.

CAROUSEL.

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1,104,145. Patented July 21, 1914.

Fig. 1.

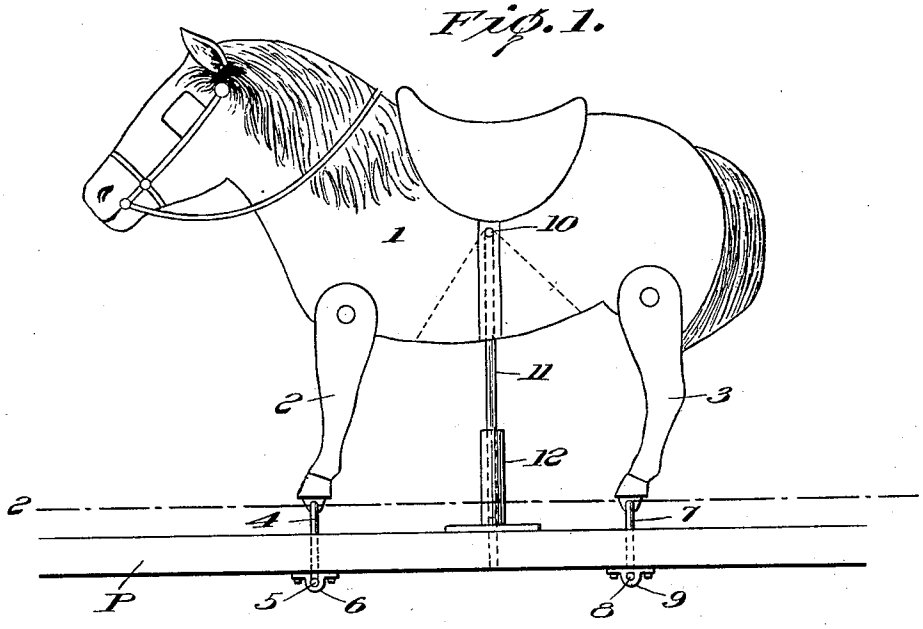

Fig. 2.

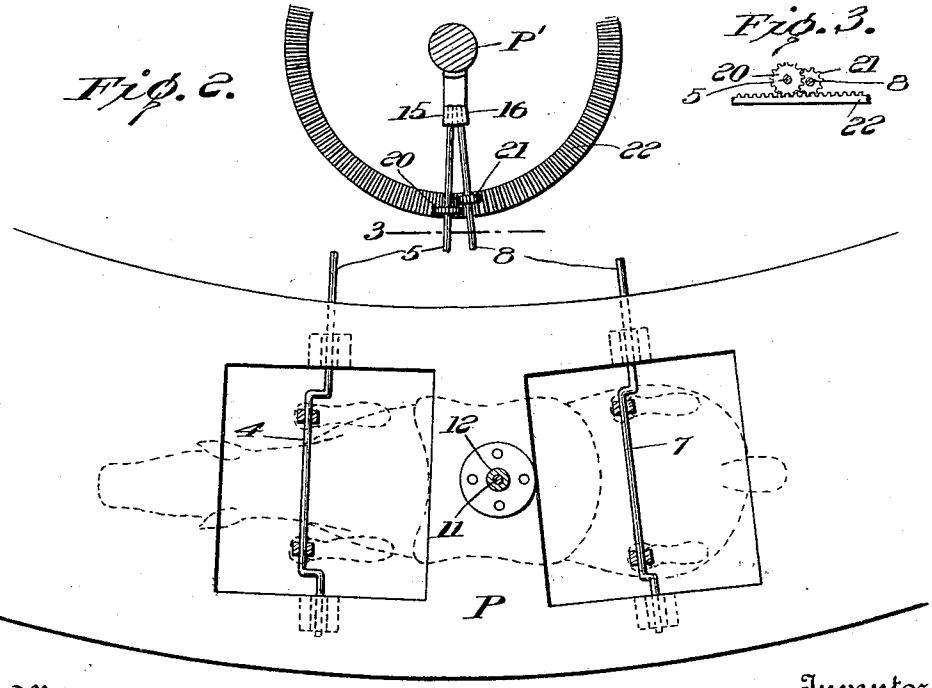

Fig. 3.

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CAROUSEL.

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To all whom it may concern:

Be it known that I, ALBERT G. SHARKEY, a citizen of the United States, residing in New York city, county and State of New York, have invented a new and useful Improvement in Carousels, of which the following is a specification.

This invention relates to amusement devices and particularly to amusement devices of the carousel type.

The object of the invention is to provide an improved amusement device comprising a carrier upon which the passengers of the device may ride and means for imparting a variety of irregular and unique motions to the carriers.

Referring to the drawing: Figure 1 is an elevation of my invention in the form of an amusement device of the carousel type, and Fig. 2 is a horizontal section thereof taken on line 2 of Fig. 1. Fig 3 is a detail sectional view taken on line 3 of Fig. 2.

In the present embodiment of my invention an amusement device of the carousel type is contemplated, but I do not limit my invention to this particular form of amusement device, as it may be applied to other forms of such devices. In this embodiment of my invention my improved passenger carriers, which are located over the rotary carousel platform, are produced in the form of simulated animals which are common in amusement devices of the carousel type. Each of said carriers comprises a body 1 which forms the body, head and tail of a simulated animal and two pairs of links, 2 and 3 forming the front and hind legs respectively of said animal. The pair of links 2 is oscillatively connected at its respective ends to the body 1 and to a crank 4 of crank shaft 5, which is journaled in bearings 6 on the rotary carousel platform P, and the pair of links 3 is oscillatively connected at its respective ends to said body and to a crank 7 of crank shaft 8 which is also journaled in bearings 9, on said platform, whereby the body of said passenger carrier is oscillatively and reciprocally mounted upon said cranks over said platform to be oscillated and reciprocated by said crank shafts and cranks through said links when said crank shafts are rotated in the manner hereinafter more fully described. The body 1 of the passenger carrier is also oscillatively and reciprocally mounted upon a pivot 10 and a reciprocal rod 11 respectively, which rod is connected to said pivot and is reciprocally mounted in a tubular element 12 secured to the carousel platform P, whereby the oscillating motion imparted to said body by means of the crank shafts 5 and 8 and cranks 4 and 7 through the links 2 and 3 is centered upon said pivot, and the reciprocating motion imparted to said body by means of said crank shafts and cranks through said links, is maintained in a direction parallel to the longitudinal dimension of said rod. The crank shafts 5 and 8 extend radially of the center of the device and are journaled at their innermost ends in bearings 15 and 16 respectively on the center post P 1 of the device, which post, crank shafts, and the platform P are adapted to rotate together as a unit when the device is rotated upon its axis. Pinions 20 and 21 are respectively mounted upon the crank shafts 5 and 8 near the innermost ends of said shafts and mesh with a stationary annular rack 22, the curvature of which is swung from the center of the device, so that when the device is rotated, said rack will cause said pinions to rotate, which pinions will in turn rotate the crank shafts 5 and 8 and the cranks 4 and 7 and said cranks will oscillate the links 2 and 3 and through said links will impart to the body 1 of the passenger carrier an oscillating motion, the center of which motion will be determined by the pivot 10, and a reciprocating motion, the direction of which will be determined by the reciprocal rod 11.

The above described oscillating and reciprocating motions of the body of the passenger carrier, are produced irregularly when the pinions 20 and 21 are of relatively different diameters, as shown in the drawing, and are caused to rotate at relatively different speeds by the annular rack 22, when the device is rotated, so that the crank shaft 5 and crank 4 and the crank shaft 8 and crank 7 are thereby respectively rotated at relatively different speeds. It is immaterial upon which of the crank shafts 5 and 8 the pinion of larger diameter is mounted.

I do not limit myself to the exact construction and arrangement of the parts of my invention herein shown and described, as it is obvious to those skilled in the art that many variations and modifications thereof may be made without departing from the spirit of the invention. I reserve the right to all such variations and modifications.

When the device in the present embodi-

ment of my invention is in motion, the motions of the body 1 of the carrier and the links 2 and 3, which form a simulated animal, closely resemble the motions of an animal when running along a rough road, and thereby give said animal a highly realistic appearance. A plurality of my improved carriers in the form of simulated animals associated with each other when in motion, produce a highly spectacular effect which will readily attract the attention of the public and appeal to the prospective passenger.

Claims:

1. An amusement device comprising a suitable support, a pair of crank shafts suitably journaled upon said support provided with a pair of cranks, a passenger carrier mounted upon said cranks, a pair of pinions of relatively different diameters on said crank shafts and means for rotating said crank shafts and cranks to oscillate the carrier irregularly.

2. An amusement device comprising a passenger carrier, a pair of cranks suitably journaled upon which the carrier is mounted and means for rotating said cranks at relatively different speeds to cause the carrier to irregularly oscillate.

3. An amusement device comprising a passenger carrier in the form of the body of a simulated animal and links in the form of the legs of such an animal oscillatively connected to said carrier and means for irregularly oscillating said carrier and said links.

4. An amusement device comprising a suitable support; a reciprocal rod, mounted on said support; a passenger carrier in the form of a simulated animal or figured representative oscillatively mounted on said reciprocal rod; links oscillatively connected to the carrier forward and rearward of said reciprocal rod; means for irregularly oscillating and reciprocating the carrier and links.

5. An amusement device comprising a suitable support; a telescoping rod mounted on said support; a passenger carrier oscillatively mounted on said telescoping rod; and means for oscillating and reciprocating said passenger carrier irregularly.

6. An amusement device comprising a passenger carrier, a pair of cranks suitably journaled upon which the carrier is mounted and means for rotating said cranks at relatively different speeds to cause the carrier irregularly to oscillate and irregularly to reciprocate.

7. An amusement device comprising a suitable support; a standard reciprocally mounted on said support; a passenger carrier oscillatively mounted on said standard; links oscillatively connected to the carrier forward and rearward of said standard and spaced therefrom; means for oscillating and reciprocating said carrier and said links.

8. An amusement device comprising a suitable support; a reciprocal rod, mounted on said support; a passenger carrier oscillatively mounted on the upper end of said reciprocal rod; links oscillatively connected to the carrier forward and rearward of said reciprocal rod and spaced therefrom; means for oscillating and reciprocating said carrier and said links.

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