W. C. SMALSTIG.

MERRY-GO-ROUND.

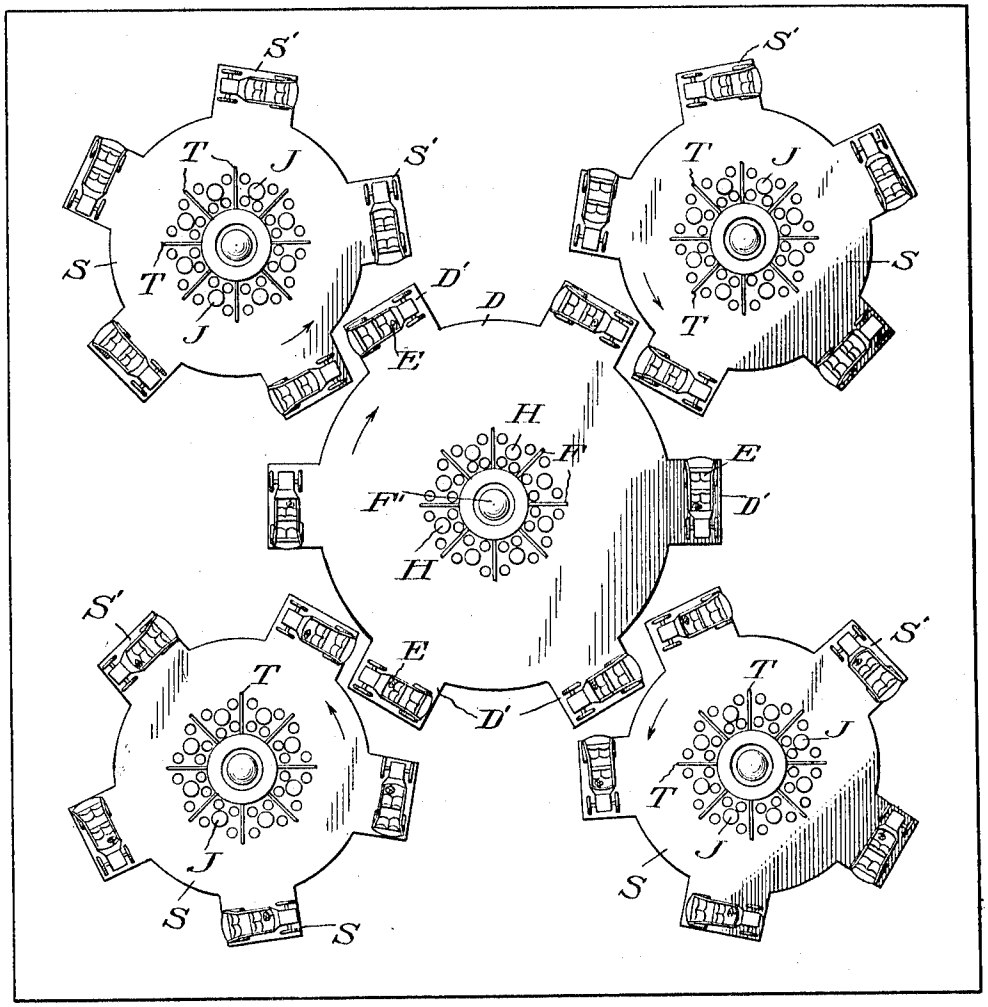
APPLICATION FILED JAN. 20, 1914.

1,116,143.

Patented Nov. 3, 1914.

2 SHEETS—SHEET 1.

Fig. 1.



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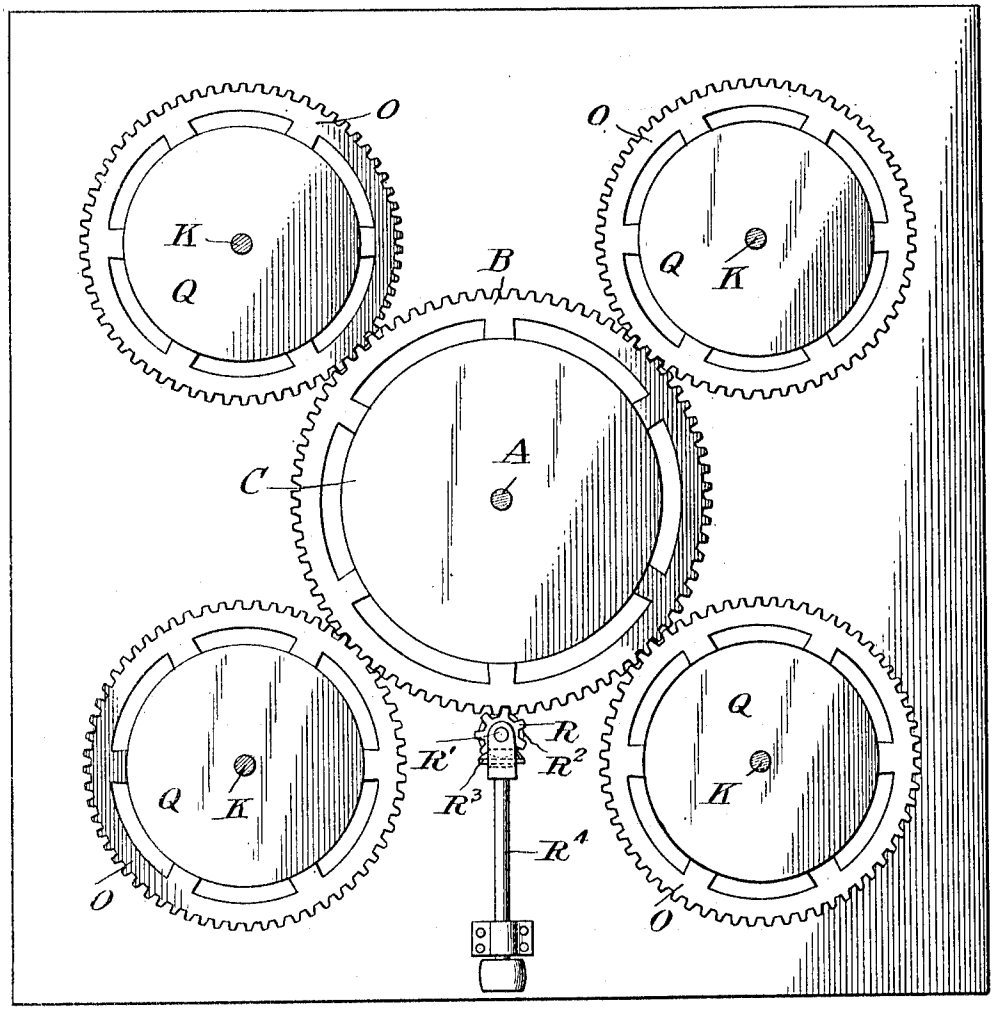
2 SHEETS—SHEET 2.

Fig. 2.



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MERRY-GO-ROUND.

1,116,143. Specification of Letters Patent. Patented Nov. 3, 1914.

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To all whom it may concern:

Be it known that I, WILLIAM C. SMALSTIG, a citizen of the United States, residing at Los Angeles, in the county of Los Angeles and State of California, have invented certain new and useful Improvements in 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, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

This invention relates to new and useful improvements in merry-go-rounds and the object in view is to produce a simple and efficient apparatus of this nature, consisting of a series of platforms adapted to rotate in unison by gear mechanism, the platforms having projections upon the peripheries thereof and upon which automobiles, horses, seats, etc., may be positioned, the said projections upon the central and surrounding platforms adapted to intermesh with one another as the platforms rotate, thus giving the appearance of inevitable collisions as the passengers upon the vehicles or objects upon the projections approach one another.

The invention comprises an apparatus of this nature so arranged that the speed of rotation of the center platform will be slower than the surrounding platforms in order to cause the various projections to intermesh with different projections upon the surrounding platforms.

The invention comprises various details of construction and combinations and arrangements of parts which will be hereinafter fully described, shown in the accompanying drawings and then specifically defined in the appended claims.

My invention is illustrated in the accompanying drawings, in which:—

Figure 1 is a top plan view of the series of merry-go-rounds made in accordance with my invention, and Fig. 2 is a top plan view of the intermeshing gear wheels upon which the platforms are mounted.

Reference now being had to the details of the drawings by letter, A designates a vertically disposed shaft mounted in suitable bearings and upon which the central gear wheel B is journaled, and fixed to rotate with said wheel is a flooring C to which the platform D is fastened. Said platform D is of larger diameter than the flooring and gear wheel upon which it is mounted and has a series of projections D′ spaced apart about its periphery and upon which objects, such as automobiles E, or, if preferred, horses, seats or other vehicles may be mounted and adapted to contain people. Said platform D may have series of radial partitions F with a central standard containing a lamp F′ and upon said platform and intermediate the partitions are tables H, forming means whereby refreshments may be served while the platform is in rotation. Other shafts, designated by letter K, are mounted in suitable bearings and upon which the gear wheels O are journaled and which wheels are in mesh with the teeth of the wheel B. Each wheel O has a flooring Q and a platform S similar in construction to the platform D, although of smaller diameter and each platform S has a series of peripheral projections S′, spaced part, and upon which automobiles and other objects designed to carry people are mounted. The spaces intermediate said projections are preferably of uniform length and slightly longer than the projections upon the center wheel in order that, when the wheels rotate, the various projections will interlock similar to the teeth of a cog wheel in order to bring the projections upon the center wheel intermediate the projections upon the surrounding wheels, said projections interlocking without interference with one another, but tending to give the impression, when the wheels are rotated, that the automobiles or other vehicles will collide with one another, thus adding to the excitement of the sport of riding upon the merry-go-round. Each of said platforms S may be provided with a central standard from which extend radial partitions T intermediate which are located tables J, thus providing a means whereby refreshments may be served while the various platforms are in operation. The driving pinion, designated by letter R, is journaled upon a shaft R′ and is in mesh with a pinion wheel R^2 which is fixed to the shaft R^3 and which latter may be driven from any suitable source of power.

It will be noted that the gear wheels O are of less diameter than the gear wheel B

which will tend to cause the outer wheels to rotate at different speeds and which will tend to cause the various projections upon the platforms S to interlock with different projections upon the central platform D, thus affording means whereby different vehicles will come next to one another as the merry-go-round is in operation and affording variety and bringing different people in the various vehicles together as the projections interlock.

What I claim as new is:—

1. A merry-go-round comprising a central, rotatable, circular-outlined platform having oppositely disposed lateral projections which are spaced apart and upon which vehicles are adapted to be mounted, platforms of smaller diameter than the central platform and having projections with spaces intervening between the same and adapted to engage the spaces intermediate the projections upon the central platform without the platforms overlapping, and gear connections between the platforms, causing the surrounding platforms to rotate at different speed from the centrally disposed platform, as set forth.

2. A merry-go-round comprising a central, rotatable, circular-outlined platform having oppositely disposed lateral projections which are spaced apart and upon which vehicles are adapted to be mounted, platforms of smaller diameter than the central platform and having projections with spaces intervening between the same and adapted to engage the spaces intermediate the projections upon the central platform without the platforms overlapping, gear connections between the platforms, causing the surrounding platforms to rotate at different speed from the centrally disposed platform, the various platforms rotating in the same plane, as set forth.

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

WILLIAM C. SMALSTIG. [L. S.]

Witnesses:
C. A. BOWERMAN,
R. C. ANDERSON.