March 1, 1932. G. H. CRAMER 1,847,211

PASSENGER CARRYING AMUSEMENT DEVICE

Filed April 29, 1931 2 Sheets-Sheet 1

Fig. 1.

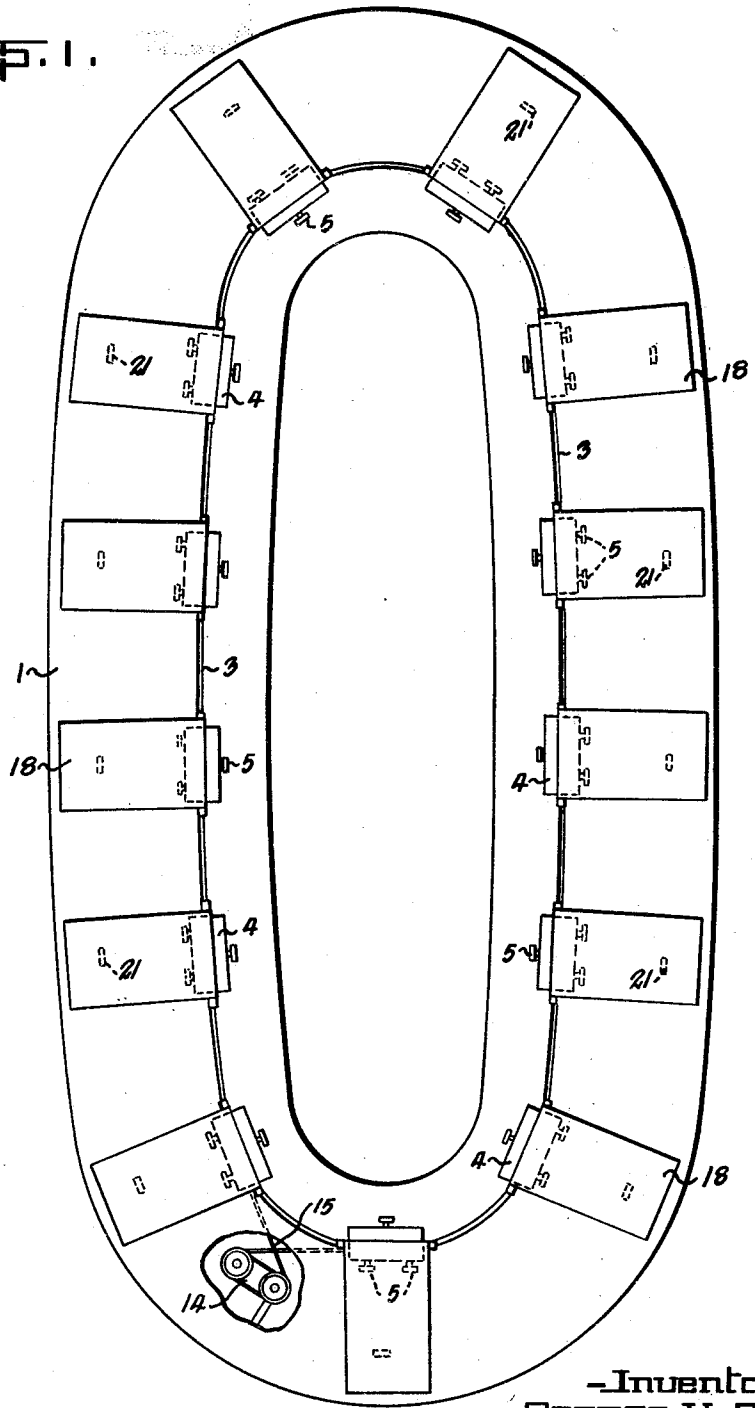

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FIG. 2.

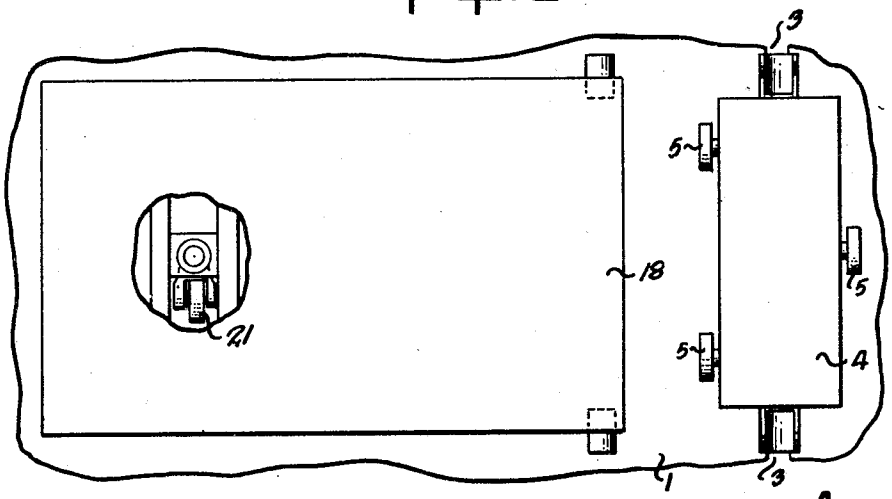
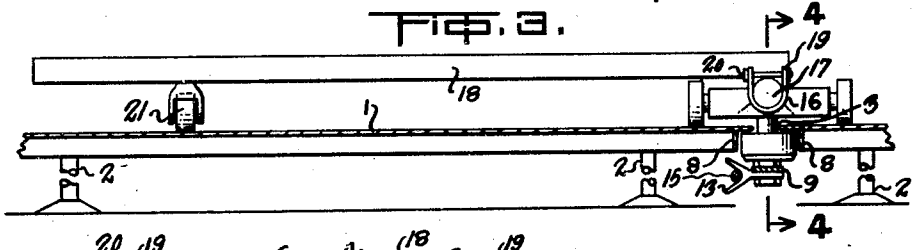


FIG. 3.



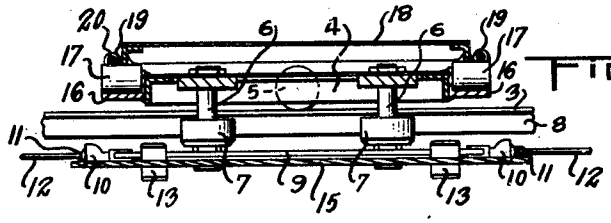
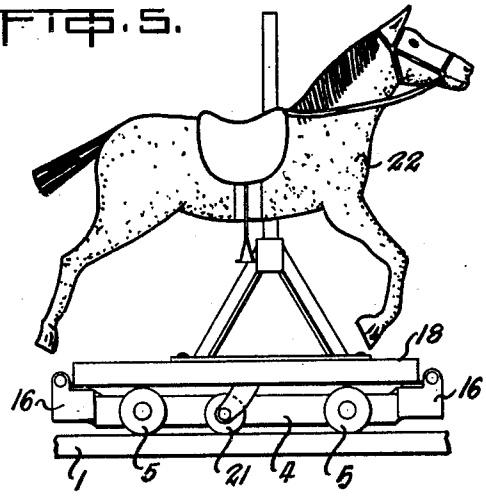


FIG. 4.

FIG. 5.



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UNITED STATES PATENT OFFICE

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PASSENGER CARRYING AMUSEMENT DEVICE

Application filed April 29, 1931. Serial No. 533,597.

My invention relates to improvements in passenger carrying amusement devices and the object of my invention is to provide a substantially flat oval platform or track carrying a plurality of hobby-horses which are movably mounted upon the platform or track and propelled therearound by means of a cable.

A further and particular object of my invention is to utilize a cable drive, of the type shown in United States Patent No. 1,773,636 to Albert Spillman, August 19th, 1930, in my device, and to utilize the travelling trucks which are driven by the cable as a means for supporting and propelling a plurality of hoby-horse supporting structures.

And a further object of my invention is to pivotally secure such structures to the trucks so that they can follow any undulations which I may form in the platform or track, or permit the horse supporting structures to be carried upon eccentrically mounted running wheels.

And a still further object of my invention is to so construct my amusement device that it consists of a minimum number of parts so that it may be readily assembled and taken asunder for transportation purposes.

My invention consists of an amusement device constructed and arranged all as hereinafter more particularly described and illustrated in the accompanying drawings in which:—

Fig. 1 is a plan view of the platform or track around which the hobby-horse supporting structures travel, part of such platform being broken away to disclose the driving cable.

Fig. 2 is a plan view of a fragmentary portion of the platform showing a truck and a hobby-horse supporting structure, such structure being detached from its truck.

Fig. 3 is a cross sectional view through a fragmentary portion of the platform showing a horse supporting structure supported by its truck.

Fig. 4 is a vertical cross sectional view taken through the line 4—4, Fig. 3, and

Fig. 5 is an elevational view of a fragmentary portion of the platform showing one of the horse supporting structures thereon, together with a hobby-horse mounted on such structure.

Like characters of reference indicate corresponding parts in the different views in the drawings.

The platform 1 can be of any desired shape and supported upon a plurality of posts 2. The platform illustrated in the drawings is oval and it can be constructed in flat or undulated form as so desired, and such platform is formed with a continuous oval slot 3 therethrough. A plurality of trucks 4 are mounted upon the platform and run thereabout following the slot 3, each truck being furnished with three running wheels 5.

The trucks straddle the slot 3 and are each furnished with a pair of centrally positioned downwardly extending spindles 6 upon their under sides, such spindles projecting through the slot 3 and provided with freely mounted rollers 7 in the vicinity of their lower ends. The rollers 7 are positioned underneath the slot 3 and run between a pair of oval parallel tracks 8 of inverted L-shaped cross section which are positioned underneath the platform 1 upon each side of the slot 3. Each pair of spindles extending from a truck 4 carries upon their lower ends a bar 9, and the ends of each bar 9 carry a universal ball socket 10 adapted to receive the bulbous ends 11 of the connecting rods 12 which extend between adjacent bars 9 of each truck.

Each bar 9 carries a pair of cable receiving jaws 13 positioned one in the vicinity of each end of a bar and projecting outwardly towards the outer periphery of the platform. A suitable cable driving mechanism 14 is furnished and in Figure 1 is shown positioned underneath the platform 1. The driving pulleys of the mechanism carry an endless driving cable 15 which extends therefrom around the various pairs of jaws 13 of the trucks 4. When the cable is properly tensioned it is drawn inwardly against the roots of the jaws 13 and constitutes a positive driving connection between the driving mechanism and the trucks 4.

The ends of the trucks 4 are formed with semicylindrical seat members 16 which pro-

ject therefrom and are adapted to receive cylindrical members 17 which extend underneath and project from the horse supporting structures 18.

The members 17 are so proportioned that they sit in and are supported by the seats 16 and as they can rotate in such seats permit the structure 18 a vertical swinging movement. In order that the members 17 may be secured within the seats 16 against accidental displacement I form such seats with upwardly extending lugs 19 having cross pins 20 extending therethrough which of course lie across the tops of the members 17 and retain them in place.

The outer ends of the structures 18 are each supported upon one or more casters 21 which roll upon the platform 1, and the structures have stands carrying one or more hobby horses 22 which are mounted in any suitable maner such as for example as shown in the United States patent to Albert Spillman, No. 1,609,668, December 7th, 1926.

When my device is in operation the horse supporting structures travel therearound and if the platform or track 1 is undulated follow the undulations of the track through the swinging movement of the members 17 in the seats 16, and it will be appreciated that as the horse supporting structures approach the ends of the oval track that they will have a rapid whip motion therearound, giving great excitement to the passengers riding upon the horses.

The track or platform 1 need not necessarily be of oval form but may be of any shape wherein straight-away portions and rounded curves are formed, as for example, triangular shape wherein the whipping motion would be furnished at each apex of the triangle, and although I have shown and described a particular embodiment of my invention it is to be understood that I may make such changes and alterations from time to time as I may deem necessary without departing from the spirit of my invention as set forth in the appended claims.

What I claim as my invention is:

1. In an amusement device, a track, a plurality of impelled trucks travelling upon the track, a plurality of passenger carrying structures each supported at one end by a truck and also travelling upon a track, caster wheels supporting the structures at the ends opposite to the trucks, and a plurality of connections between each structure and its truck for retaining the structure against horizontal movement in respect to its truck.

2. In an amusement device, a track, a plurality of impelled trucks travelling upon the track, a plurality of passenger carrying structures each supported at one end by a truck and also travelling upon a track, and a vertically swingable connection between each structure and its truck for retaining the structure against horizontal movement in respect to its truck.

3. In an amusement device, a track, a plurality of impelled trucks travelling upon the track, a plurality of passenger carrying structures each supported at one end by a truck and also travelling upon a track, and a plurality of detachable connections between each structure and its truck for retaining the structure against horizontal movement in respect to the truck.

4. In an amusement device, a track, a plurality of impelled trucks travelling upon the track, a plurality of passenger carrying structures each supported at one end by a truck and also travelling upon a track, a plurality of seat members secured to each truck, and a plurality of members secured at each structure and adapted to be pivotally contained within the seat members on the truck.

5. In an amusement device, a track, a plurality of impelled trucks travelling upon the track, a plurality of passenger carrying structures each supported at one end by a truck and also travelling upon a track, a semi-cylindrical horizontal seat member secured to each truck, and a substantially cylindrical member secured to each structure and adapted to be swingably contained in a seat member whereby each structure is permitted a vertical swinging movement in respect to its truck.

6. In an amusement device, a track, a plurality of impelled trucks travelling upon the track, a plurality of passenger carrying structures each supported at one end by a truck and also travelling upon a track, a semi-cylindrical horizontal seat member secured to each truck, a substantially cylindrical member secured at each structure and adapted to be swingably contained in a seat member whereby each structure is permitted a vertical swinging movement in respect to its truck, and a detachable locking piece extending across the top of each seat member for retaining the cylindrical member therein.

7. In an amusement device, a track including straight-away and rounded corner sections, a plurality of impelled trucks travelling upon the track, a plurality of hobby-horse supporting structures each supported at one end by a truck and also travelling upon a track, caster wheels supporting the structures at the ends opposite to the trucks and a plurality of connections between each structure and its truck for retaining the structure against horizontal movement in respect to the truck.

GEORGE H. CRAMER.