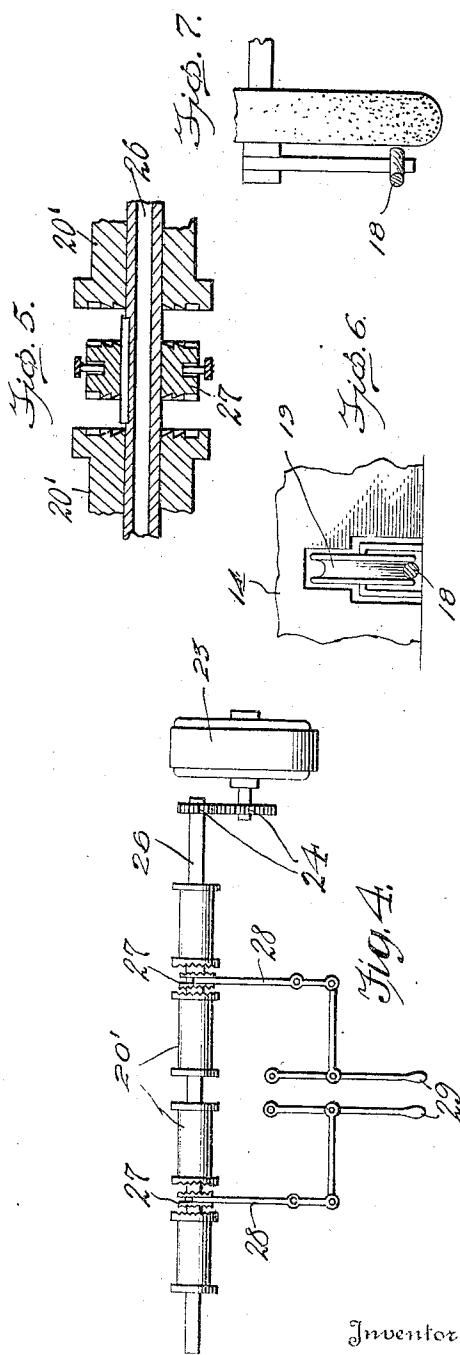
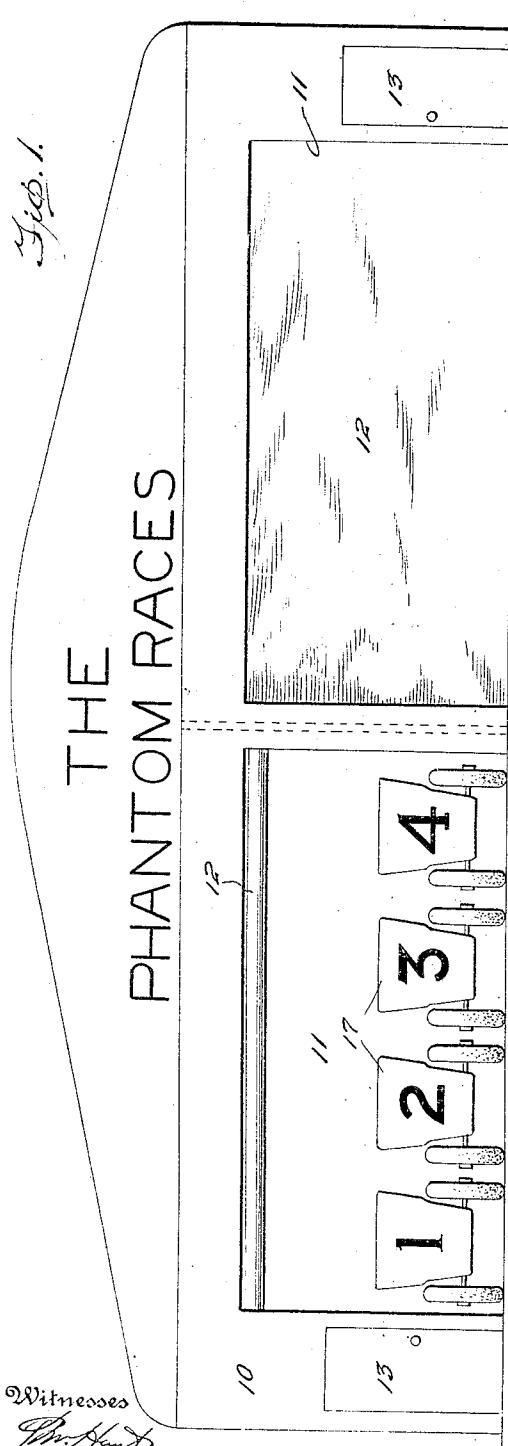


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W. J. KEEFE.
AMUSEMENT APPARATUS.
APPLICATION FILED JAN. 18, 1916.

Patented Aug. 28, 1917

2 SHEETS—SHEET 1.



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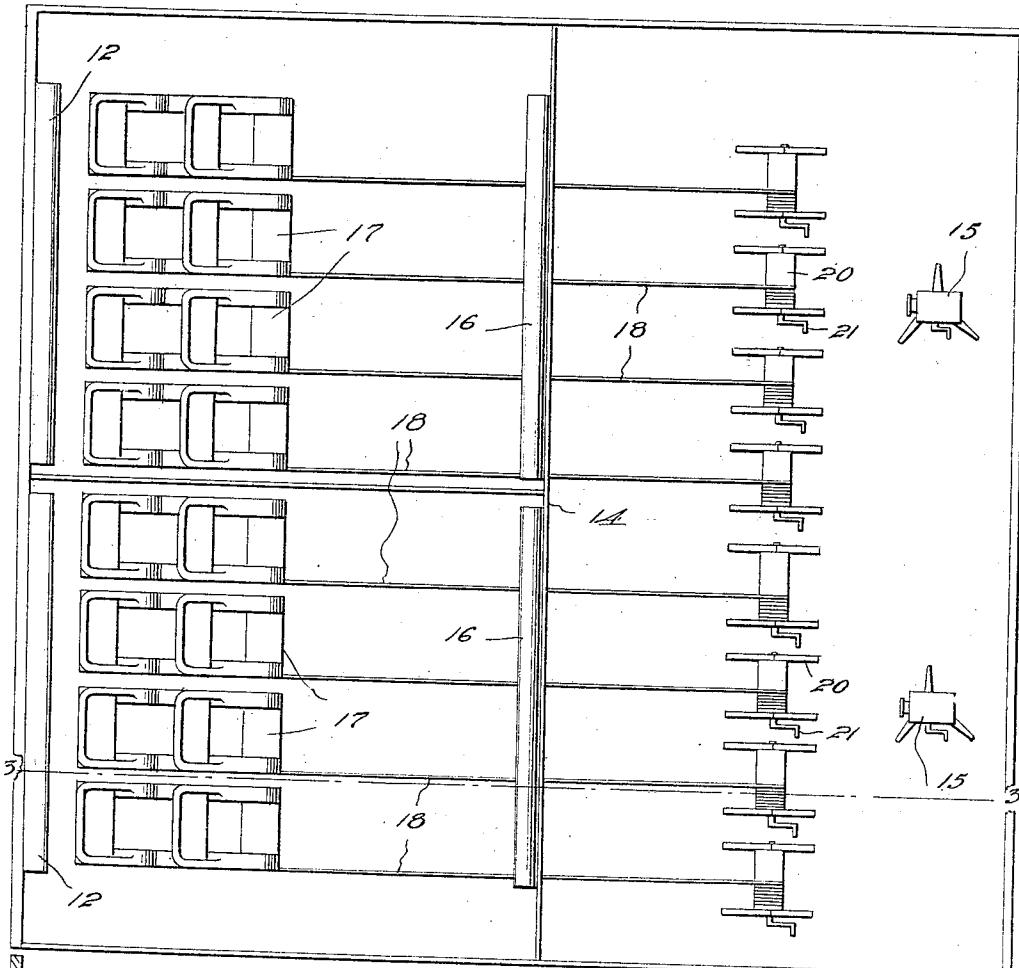


Fig. 2.

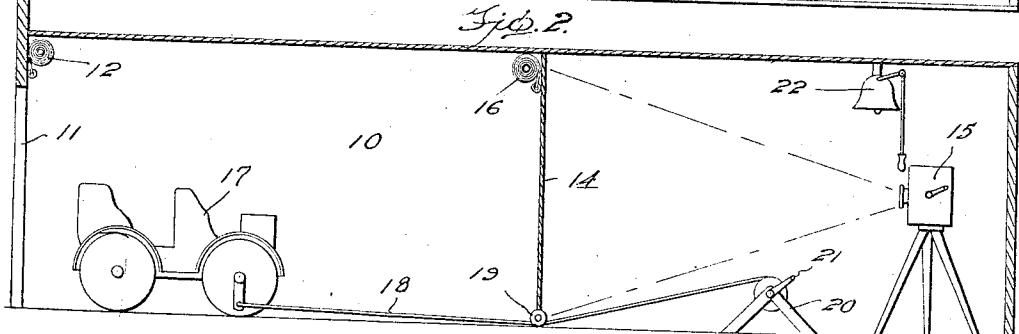


Fig. 3.

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UNITED STATES PATENT OFFICE.

WILLIAM J. KEEFE, OF ST. LOUIS, MISSOURI.

AMUSEMENT APPARATUS.

1,238,151.

Specification of Letters Patent. Patented Aug. 28, 1917.

Application filed January 18, 1916. Serial No. 72,747.

To all whom it may concern:

Be it known that I, WILLIAM J. KEEFE, a citizen of the United States, residing at St. Louis, in the county of St. Louis and State 5 of Missouri, have invented certain new and useful Improvements in Amusement Apparatus, of which the following is a specification.

This invention relates to improvements in 10 amusement apparatus, one object of the invention being the provision of an apparatus that will give the appearance to the parties in action, of an automobile race, there being combined with dummy automobiles a moving 15 picture projector, a screen upon which the pictures are projected, and windlasses for moving the automobiles toward the screen.

A further object of this invention is the 20 provision of an amusement apparatus, which produces an imaginary or phantom race, but which due to the arrangement of the apparatus will impart to the occupants of the dummy cars or automobiles an idea that the race is real.

25 A still further object of the present invention is the provision of an amusement apparatus, that is simple and easy to operate, and which will amuse the public.

In the accompanying drawings:—

30 Figure 1 is a rear elevation of a tent or pavilion showing the motor cars at one side ready for the occupants and in normal position.

Fig. 2 is a top plan view of the amusement apparatus, the top of the tent or pavilion being removed.

Fig. 3 is a longitudinal section on line 3—3 of Fig. 2.

Fig. 4 is a top plan of another form of 40 means for actuating the cars.

Fig. 5 is an enlarged fragmentary longitudinal section of Fig. 4.

Fig. 6 is a fragmentary view showing in elevation one of the guide pulleys.

45 Fig. 7 is a fragmentary detailed view showing the hanger on one of the movable members.

Referring to the drawings, the numeral 10 designates a tent, pavilion or other house for 50 the present apparatus, it being here provided with the two large entrance doorways, 11, each controlled by its drop curtain 12, and with the two outlet doorways 13, one at each side of the front of the structure.

55 This particular illustration provides for two complete apparatus, so that while one

is being emptied or in operation, the other is being filled and operated.

Therefore the description of one will suffice for both. A motion picture screen 14 60 is provided, and to the rear thereof is mounted the motion picture projectile 15, which may, however, be in any desired position, according to the construction of the structure. The scene to be projected is preferably 65 a racing scene, either automobiles, horse racing, motor cycle racing, boat racing or the like, the present illustration simulating an automobile race.

In front of the screen is located a pull 70 curtain, 16, which will exclude the screen at the proper time, the curtains 12 and 16 being alternately operated.

Mounted in front of the screen are several 75 vehicles or movable members 17, each one of which has connected thereto a cable or flexible connection 18, which is led through the guide pulley 19, to the windlass 20, there being one of these to each member 17. The windlass in this instance is hand operated 80 through the crank 21. Also mounted adjacent the projector 15, is a bell or alarm 22, which is to be operated at the starting and stopping of the projector, so that the occupants may know when the race is starting 85 and stopping.

In Fig. 4 there is shown an electric motor 23, which is connected through the medium of gearing 24 with a driven shaft 26 journaled in any suitable supports, the said shaft 90 26 being hollow and carries a plurality of windlasses 20' which can be substituted for the windlasses 20 when it is desired to automatically move the members or vehicles 17. Each windlass 20' is loose upon the shaft 26 95 which has slidably splined or connected thereon between pairs of said windlasses 20' adjacent to each other suitable clutch members 27, which have connected thereto operating levers 28 suitably connected with throw arms 29 supported in any suitable manner, so that on the operation of either of the arms, the pairs of windlasses 20' can be alternately locked upon the shaft for the driving of said windlasses in selective order. 100 It will be apparent that when any one of the windlasses 20' is locked upon the shaft 26, and the motor 23 is started, one of the members or vehicles 17 can be advanced independently of the other members or vehicles, it being understood of course, that the cables 18 are normally unwound from 110

each windlass 20' and on the locking of any one of the same to the shaft 26 its respective cable will be wound upon the windlass when the motor is active. Each cable 18 is connected to an arm 18' affixed to and depending from the front axle of the member or vehicle 17, as clearly shown in Fig. 3 of the drawing. By this arrangement it will be appreciated that by rocking the throw arms 10 only one of each pair of windlasses 29 will be positively moved at a time so as to consequently intermittently move the corresponding cars.

It is also possible and desirable to employ 15 motors for alternately raising and lowering the curtains 12 and 16, so that at the end of a scene the curtain 16 will be lowered, to permit the occupants time to realize that the race is over and to get out of the cars and 20 leave the structure through the side doorway 13, the curtain 12 then being raised to permit others to occupy the cars.

With this apparatus the occupants of the 25 members 17, whether such members be motor cars or boats, or the like will, due to the pictures presented in motion upon the screen, think that the cars are moving that they in reality are in the race, the windlass apparatus being operated toward or at the 30 end of the scene, so that one of the members 17 will be moved slightly in advance of the others and thus be given the appearance of having won the race. Where so desired, 35 souvenirs may be given to the racers, and more especially to the winning one.

What I claim, as new, is:—

1. An amusement apparatus, including a screen upon which motion pictures are to be projected, a plurality of vehicles movable to and from the screen, and separate means for 40 each vehicle for moving it independently toward the screen.

2. An amusement apparatus, including a screen upon which motion pictures are to be projected, a curtain in front of the 45 screen, another curtain spaced from the first curtain, and a plurality of vehicles movable to and from the screen and located between the two curtains.

3. An amusement apparatus, including a 50 structure, a screen upon which motion pictures are to be projected mounted in the structure, a curtain for said screen, a second curtain spaced from the first curtain, a plurality of movable vehicles mounted in the 55 structure between the curtains, and means for selectively moving said vehicles toward the screen.

4. An amusement apparatus, including a 55 structure having two door ways, a motion picture screen located in the structure and in alinement with one doorway, two curtains one for the screen and the other for the alined doorway, a plurality of vehicles mounted side by side and in the space between the curtains, and means for selectively moving one vehicle at a time toward the screen.

In testimony whereof I affix my signature.
WILLIAM J. KEEFE.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,
Washington, D. C."