July 21, 1925. 1,546,375

C. J. GEISER

PUBLIC AMUSEMENT DEVICE

Filed Feb. 26, 1925

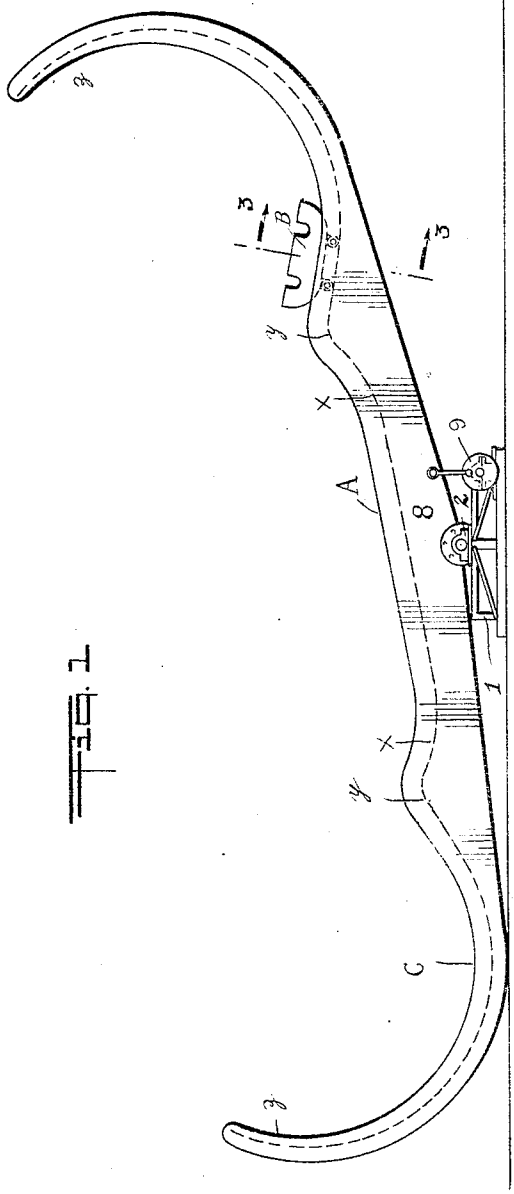

FIG. 1

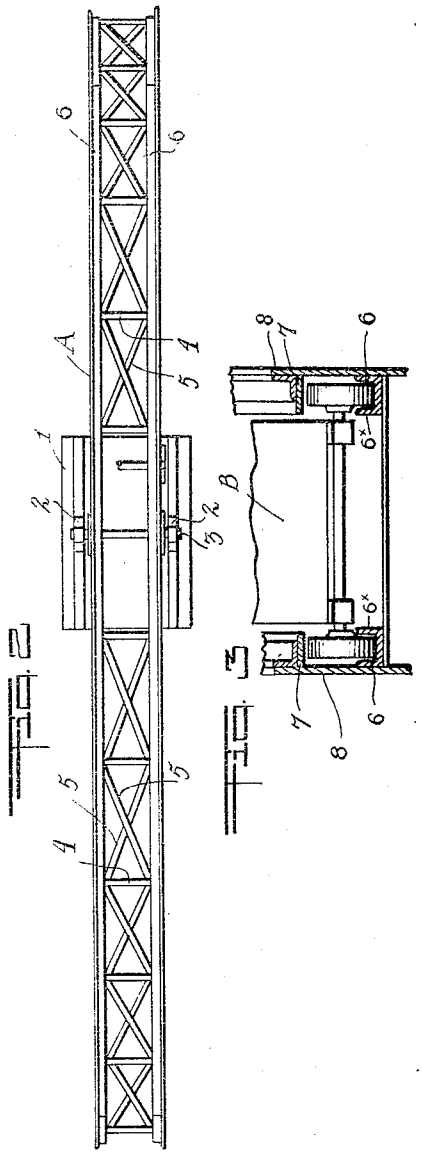

FIG. 2

FIG. 3

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PUBLIC AMUSEMENT DEVICE.

Application filed February 26, 1925. Serial No. 11,640.

To all whom it may concern:

Be it known that I, CHARLES J. GEISER, a citizen of the United States of America, residing in Brooklyn, county of Kings and State of New York, have invented certain new and useful Improvements in Public Amusement Devices, of which the following is a specification.

The object of this invention is to provide an amusement device which shall have the general action of a "see-saw," but which shall be so modified as to cause a passenger-car to move back and forth over a run-way, which is given a rocking motion by a motor drive. When the car reaches one end of the run-way, which is curved upwardly, it rolls back and forth in an arcuate path until lifted into the air to a position where gravity will compel it to roll downwardly to the opposite end of the run-way.

The invention will be understood by reference to the accompanying drawings, in which—

Figure 1 is a side elevation of an apparatus embodying the invention;

Figure 2 is a plan view of the apparatus; and

Figure 3 is a transverse section on the line 3—3, Figure 1.

Referring to the drawings, 1 represents a supporting frame of any suitable construction, having the journal members 2 adapted to receive and support the shaft 3 of the primary rocking member A.

The primary rocking member A consists of two parallel units rigidly connected by the cross struts 4, 5. Each unit serves as a support for a track 6 which is shown in detail, Figure 3. The track is formed with the side flanges 6^x and with an over-head guide plate 7.

Mounted to run on the track-way is a car B supported by a suitable number of wheels which are so held by the flanged track-ways 6, 6^x and the over-hanging guide plates 7 that the wheels may freely run along the track-way and at the same time are positively held in the track-way.

Each of the two units of the primary rocking member is preferably covered at the outer side or face with a plate 8, which plate extends above the track-way throughout the length of the latter, and affords a support for the over-hanging plate 7.

The track-way is substantially straight between the points x—x, Figure 1 and the track-way thence rises to the point y, from which point to the terminus of the track-way, at each end of the apparatus, the track-way is formed substantially arcuate. In other words, the track-way and its supporting structure is curved from the point y first downwardly and then upwardly.

In the operation of the device the car, with its passengers, is initially placed on the track-way at the point C, Figure 1. The driving crank and eccentric is then rotated by means of a suitable motor, thus lowering the right hand end of the apparatus and raising the left hand end to its uppermost position. This movement will give an impulse to the car which will carry it over the humped or raised portion of the track-way and thence downwardly to the opposite and lowermost end of the track-way. The moving impulse of the car will carry it up the raised curved portion of the track-way for a considerable distance, until gravity checks such movement.

When that portion of the track-way, in its lowermost position is raised with the car upon it, the car cannot immediately move down to the axis upon which the device rocks, because of the presence of the humped portion of the track-way. By means of the latter expedient in conjunction with the curved end of the device, the car will be caused to move back and forth between the points y and z, until the track-way at such points is raised to its extreme upper position, and the car, in its downward movement assumes such impetus as to carry it over the humped portion of the track-way and down to the opposite end of the device, whereupon it moves back and forth in the arcuate path y—z until again raised to extreme upper position.

Having described my invention what I claim and desire to secure by Letters Patent is as follows, it being understood that various modifications may be made in the form and arrangement of the elements illustrated in the drawings, without departing from the spirit of the invention:

1. In an amusement device, a track-way and a rigid support therefor, said track-way having an intermediate straight portion and formed at each end thereof with a rise followed by a downward and upward curve, a car adapted to traverse said track-way and means for alternately raising each end of the track-way.

2. In an amusement device a track-way and a rigid support therefor, said track-way being formed at each end in an upwardly extending curve, means for raising each end of the track-way in succession, a car mounted on and adapted to traverse said track-way, and means acting to retard the downward movement of said car during the elevation of that portion of the track-way upon which it is supported until said track-way portion reaches its extreme upward position.

3. In an amusement device, a track-way and a support therefor, means for rocking the track-way, each end of the track-way being formed as an arcuate upwardly extending curve and a centre portion of the track-way being straight, and a passenger car mounted for free movement upon said track-way.

In testimony whereof, I have signed my name to this specification.

CHARLES J. GEISER.