N. EBY.

AMUSEMENT DEVICE.

APPLICATION FILED MAY 24, 1911.

1,062,899. **Patented May 27, 1913.**

2 SHEETS—SHEET 1.

FIG. 5.

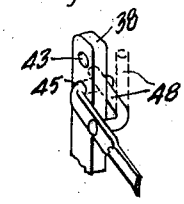
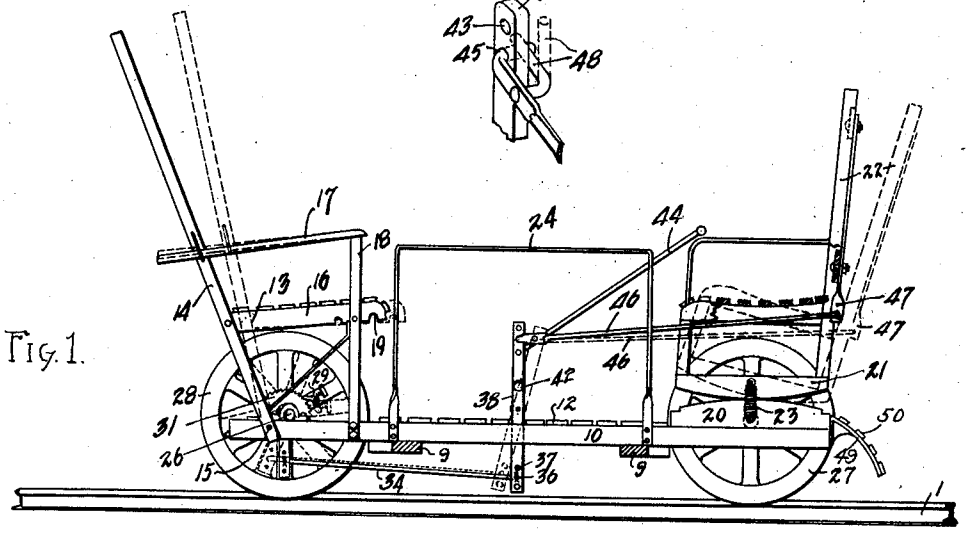


FIG. 1.



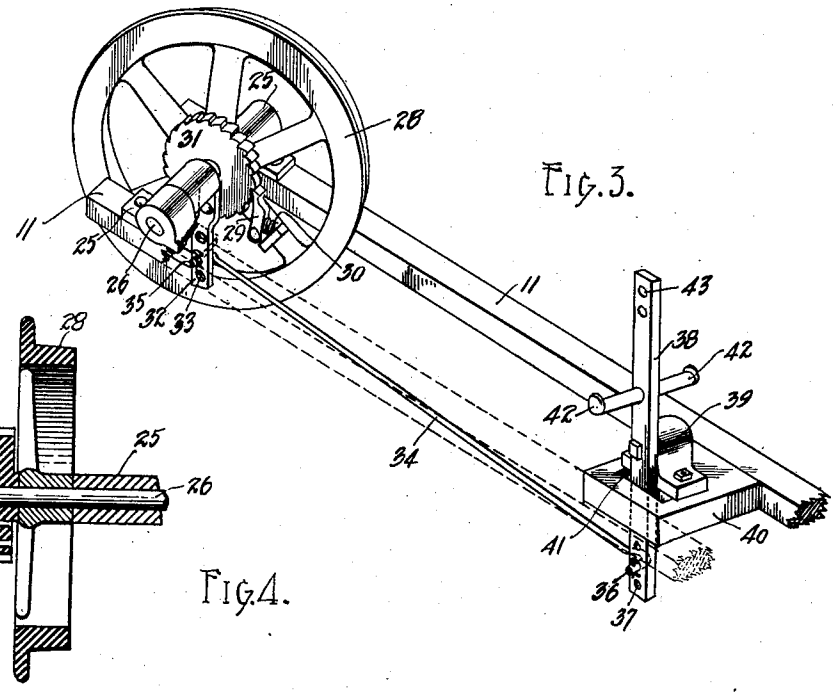


FIG. 3.

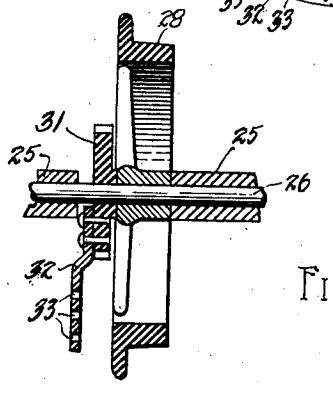


FIG. 4.

WITNESSES

Miles A. Fuller

J. E. Wilson

INVENTOR

Noah Eby

BY

La Porte & Bean ATT'YS

N. EBY.

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2 SHEETS—SHEET 2.

FIG. 2.

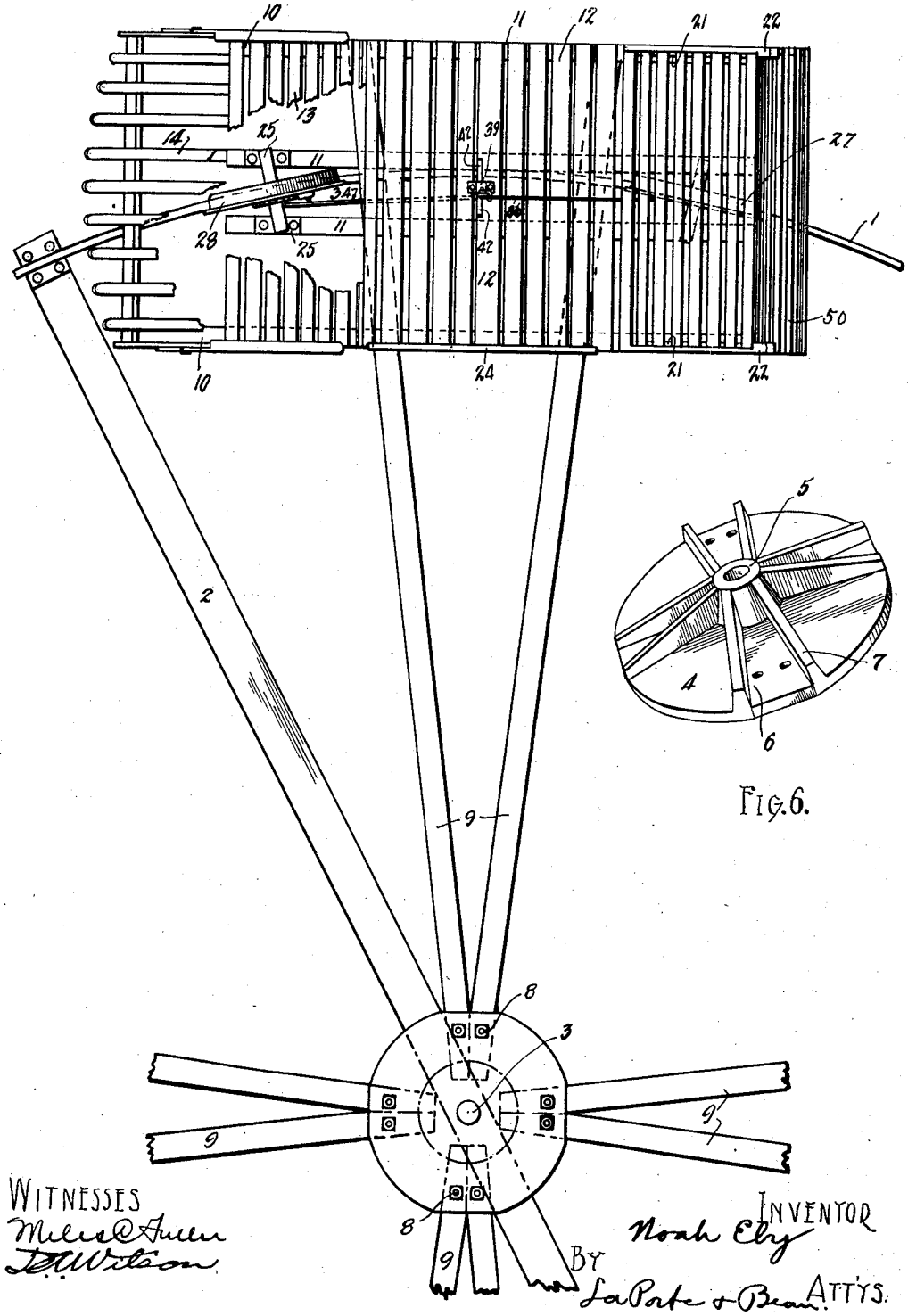

FIG. 6.

WITNESSES

Miles C. Allen

J. H. Watson

INVENTOR

Noah Eby

BY

LaPorte & Beam ATT'YS.

UNITED STATES PATENT OFFICE.

NOAH EBY, OF HUBBELL, NEBRASKA.

AMUSEMENT DEVICE.

1,062,899. Specification of Letters Patent. Patented May 27, 1913.

Application filed May 24, 1911. Serial No. 629,182.

To all whom it may concern:

Be it known that I, NOAH EBY, citizen of the United States, residing at Hubbell, in the county of Thayer and State of Nebraska, have invented certain new and useful Improvements in Amusement Devices, of which the following is a specification.

This invention relates to amusement devices and is what I term a lawn rotary, in which a plurality of cars are driven about a circular track.

An object is to provide a device of this character in which seats in the car may be oscillated to drive the car.

Another object is to provide a device of the character described which may be driven by hand power.

A further object is to provide a device of the character described which may be driven by foot power.

A further object is to provide a device having a novel mechanism for driving the cars about the circular track.

A further object is to provide a device of this character which is simple in construction, cheap to manufacture and which will not readily get out of order.

To the accomplishment of the foregoing and such other objects as may hereinafter appear my invention consists of the construction, combination and arrangement of parts hereinafter more fully described and then sought to be defined in the appended claims forming a part hereof, reference being had to the accompanying drawings which illustrate a preferred embodiment of my invention and in which,

Figure 1 is a side elevation of one of the cars. Fig. 2 is a plan view of part of the device, parts being shown broken away. Fig. 3 is a perspective view of the driving mechanism. Fig. 4 is a cross section on line 4—4 of Fig. 3. Fig. 5 is a detail and, Fig. 6 is a perspective view of the base.

In the drawings like characters of reference refer to like parts throughout the several views.

In the embodiment of my invention illustrated the circular track 1 is supported by bars 2 which extend diametrically across the circle in which the track is arranged. The bar 2 has a central stud shaft or pin 3 on which the base 4 is mounted for rotation. This base 4 is in the form of a disk having a central sleeve or hub 5 and compartments 6 radiating therefrom, formed by the partitions or flanges 7. Secured in these compartments by bolts 8 are the car supporting members 9 which are secured to the frame 10 of the cars. This frame 10 comprises a plurality of longitudinal members 11, having slats 12 secured thereover to form the bottom of the vehicle. Secured at one end of the device is the seat or chair 13 which has the back 14 pivotally connected to the frame as at 15 and having the seat proper 16 and arm portions 17 secured by standards 18 to the frame. The seat 16 is provided with notches 19 which engage a bar on the standards 18 in order to hold the seat as a whole in any desired adjusted position as indicated in dotted lines in Fig. 1. Mounted on the other end of the frame is the rocker base 20 on which rocks the rocker member 21 of the rocking bar 22, a spring 23 connecting the rocker members 20 and 21. The railings 24 are provided on the sides of the frame intermediate two ends thereof.

Journaled in the boxes 25 on the intermediate longitudinal members 11 of the frame are the axles 26 of the supporting and driving wheels 27 and 28. These wheels are arranged at an angle, so that the car to which they are secured will travel on the circular track 1. The driving wheel has pivoted thereto the pawl 29 which is forced by means of spring 30 into engagement with the ratchet wheel 31, said ratchet wheel being journaled for rotation on the axle 26 of the wheel 28. An arm 32 is attached to said ratchet wheel and is provided with a plurality of openings 33. A link or rod 34 having a bent end 35 is secured in one of said openings by a cotter pin as shown. This link or driving rod 34 has its other end 36 bent and secured by a cotter pin in one of the openings 37 in the lower end of the driving lever 38 which is pivoted on box 39 to said frame. Said box is supported on a block 40 which has a slot or opening 41 therethrough to permit the reciprocation of the lever 38. This lever has thereon the laterally extending bars or rods 42 which form foot rests for the operator. The upper portion of the lever 38 is provided with a plurality of openings 43 in one of which is secured the hand operating link or rod 44. In one of these openings is also secured the bent end 45 of a link 46 which is attached to an ear 47 on the back of the rocking chair.

This bent end 45 is held locked in its opening 43 by means of the angled locking arm 48 which may be swung upwardly to allow said end 45 to be disengaged from the opening as indicated in Fig. 5.

The operation of the device is as follows, it being understood that a plurality of these cars are provided, the device shown being adapted for four cars, though the number may be varied as desired. By reciprocating the lever 38 by foot pressure the device will be driven around the track as is understood. If it is desired to drive the device by hand power the handle 44 is used and the lever 38 reciprocated thereby. If it is desired to drive the device by rocking, the link or rod 46 is connected to the lever and by the rocking or reciprocation of the rocking chair the lever 38 will be reciprocated and the device driven around the track. The device may be driven in either or all of three ways, that is, by hand power, by foot power, or by rocking. On the front of each car I provide downwardly curved brackets 49, on which are fastened the transversely extending slats 50 which form a fender.

It is obvious that I have provided a new and useful device of the character described which may be actuated in any of three ways according to the desire or fancy of the occupant thereof. The occupant may utilize the rocking chair as a driving means or if desirable may disconnect it from the operating lever and may use the device merely as a rocking chair. The various adjustments are provided whereby the speed of the machine may be controlled and the power necessary to drive the machine varied according to the strength and desire of the occupant thereof.

The device is simple and not mechanically complicated so that if it does get out of order, which should be a rarity, it may be readily repaired and put in condition for service without the necessity of the services of a skilled mechanic. The device is durable and ornamental and provides an effective means for amusement for both old and young.

While I have illustrated a preferred embodiment of my invention it is to be understood that various changes in the details and construction may be made without departing from the spirit of my invention, which is defined in the appended claims.

I claim—

1. In a device of the character described, a car, operative connections to drive said car, foot operated means and horizontally rocking means operated by movements of the body to operate said connections to drive said car.

2. In a device of the character described, a car, operative connections to drive said car, a plurality of means to operate said connections to drive said car, comprising foot operated means, hand operated means, and horizontally rocking means operated by movements of the body.

3. In a device of the character described, a car, operative connections to drive said car, a plurality of means to operate said connections to drive said car, comprising foot operated means, hand operated means, and horizontally rocking means operated by movements of the body, and means to disconnect any of said means.

4. In a device of the character described, a car, a lever adapted to drive said car, foot operated means, hand operated means, and horizontally rocking means operated by movements of the body, all of said means having operative connections with said lever.

5. In a device of the character described, a car, wheels for supporting said car, a lever having operative connection with one of said wheels, foot rests on said lever and a hand link connected thereto whereby said car may be driven by foot or hand power.

6. In a device of the character described, a car, wheels for supporting said car, a lever having operative connections with one of said wheels, a horizontally rocking means operated by movements of the body on said car, foot operated means connected to said lever, and a driving connection from said rocking means to said lever.

7. In a device of the character described, a car, wheels for supporting said car, a lever having operative connection with one of said wheels, a horizontally rocking means operated by movements of the body on said car, foot operated means connected to said lever, hand operated means connected to said lever, a driving connection between said rocking means and said lever, and means to disconnect said connections.

8. In a device of the character described, a car, wheels for supporting said car, a lever, adjustable connections between said lever and one of said wheels, foot operated means connected to said lever, hand operated means adjustably connected to said lever and horizontally rocking means operated by movements of the body adjustably connected to said lever.

9. In a device of the character described, a car, wheels for supporting said car, a ratchet wheel rotatably mounted, a pawl or dog on one of said wheels adapted to engage said ratchet, a link connected to said ratchet wheel, a lever connected to said link, foot rests on said lever, a handle connected to said lever and a rocking chair having operative connection with said lever.

10. In a device of the character described, a car, operative connections to drive said car, and horizontally rocking means operated by movements of the body to actuate said connections.

11. In a device of the character described,

a car, a lever adapted to drive said car, and horizontally rocking means operated by movements of the body having operative connections with said lever.

12. In a device of the character described, a car, a lever adapted to drive said car, a plurality of means having operative connections with said lever, including foot operated means, hand operated means and horizontally rocking means operated by movements of the body.

13. In a device of the character described, a car, wheels for supporting said car, a ratchet wheel rotatably mounted on said car, a pawl or dog on one of said wheels adapted to engage said ratchet wheel, a link connected to said ratchet wheel, a lever connected to said link and a rocking chair having operative connection with said lever.

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

NOAH EBY.

Witnesses:
W. H. CONKLIN,
J. E. CONKLIN.