

No. 896,407.

PATENTED AUG. 18, 1908.

E. MAYETTE.
AMUSEMENT APPARATUS.
APPLICATION FILED SEPT. 26, 1907.

2 SHEETS—SHEET 1.

Fig. 1.

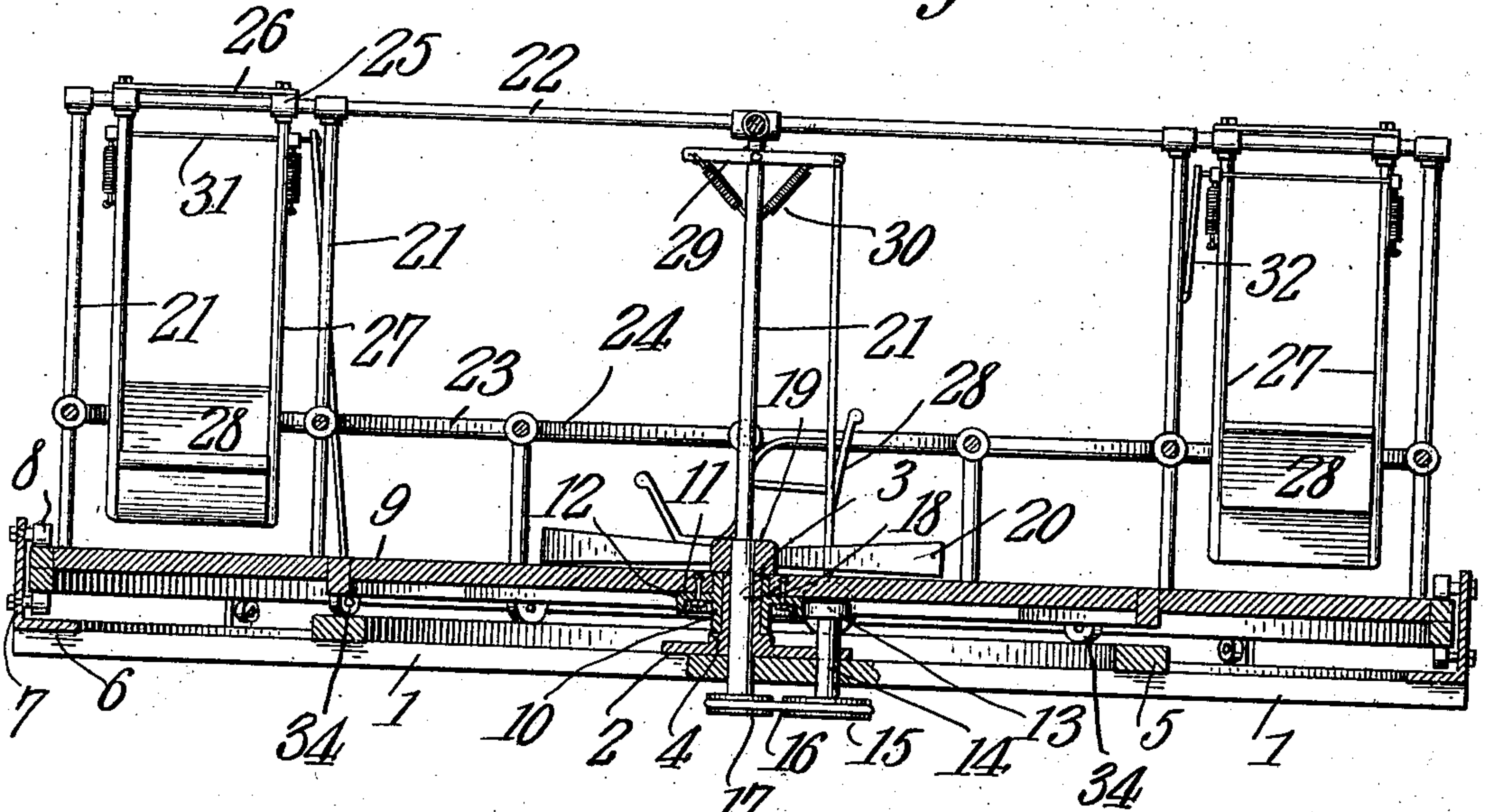
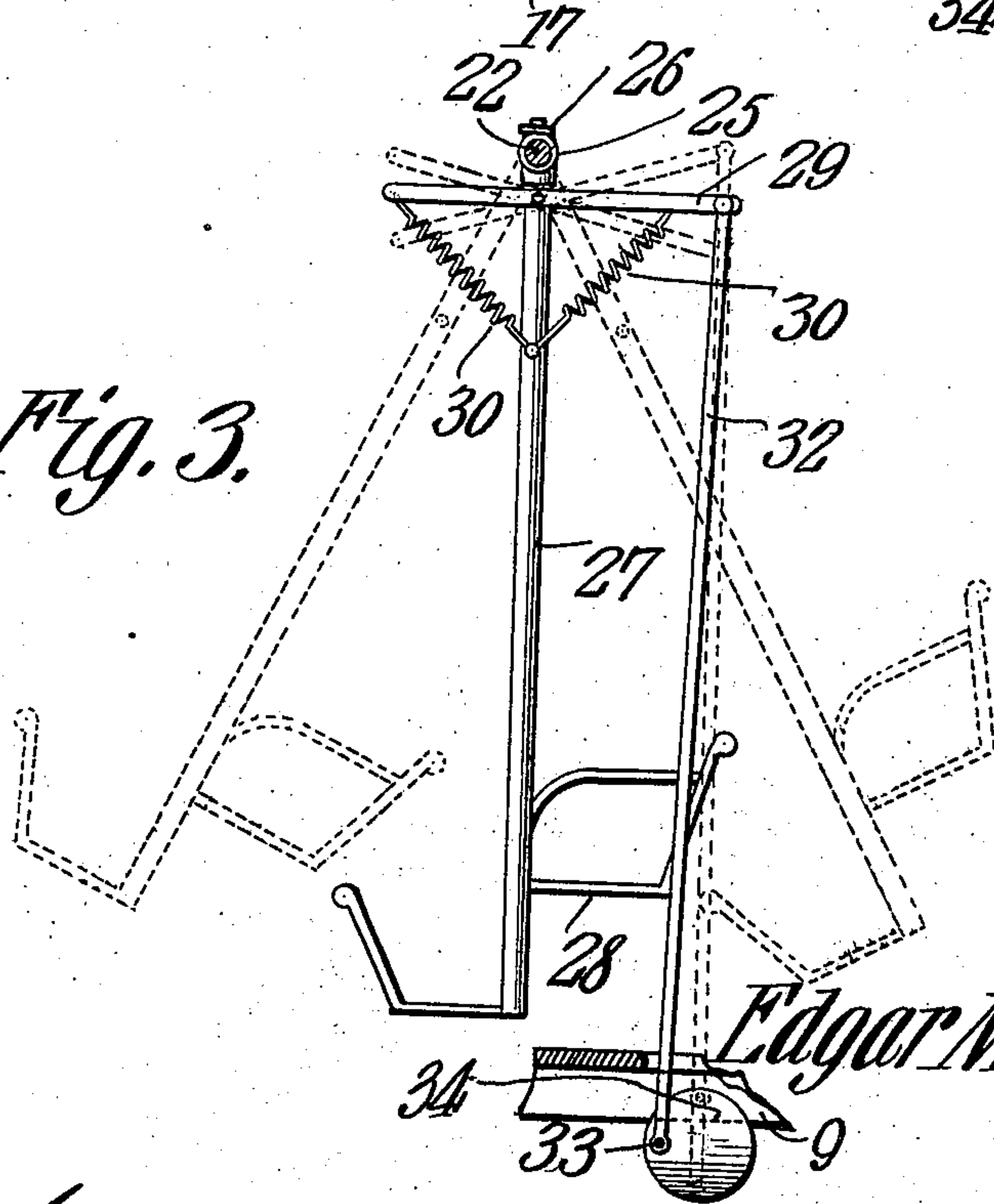


Fig. 3.



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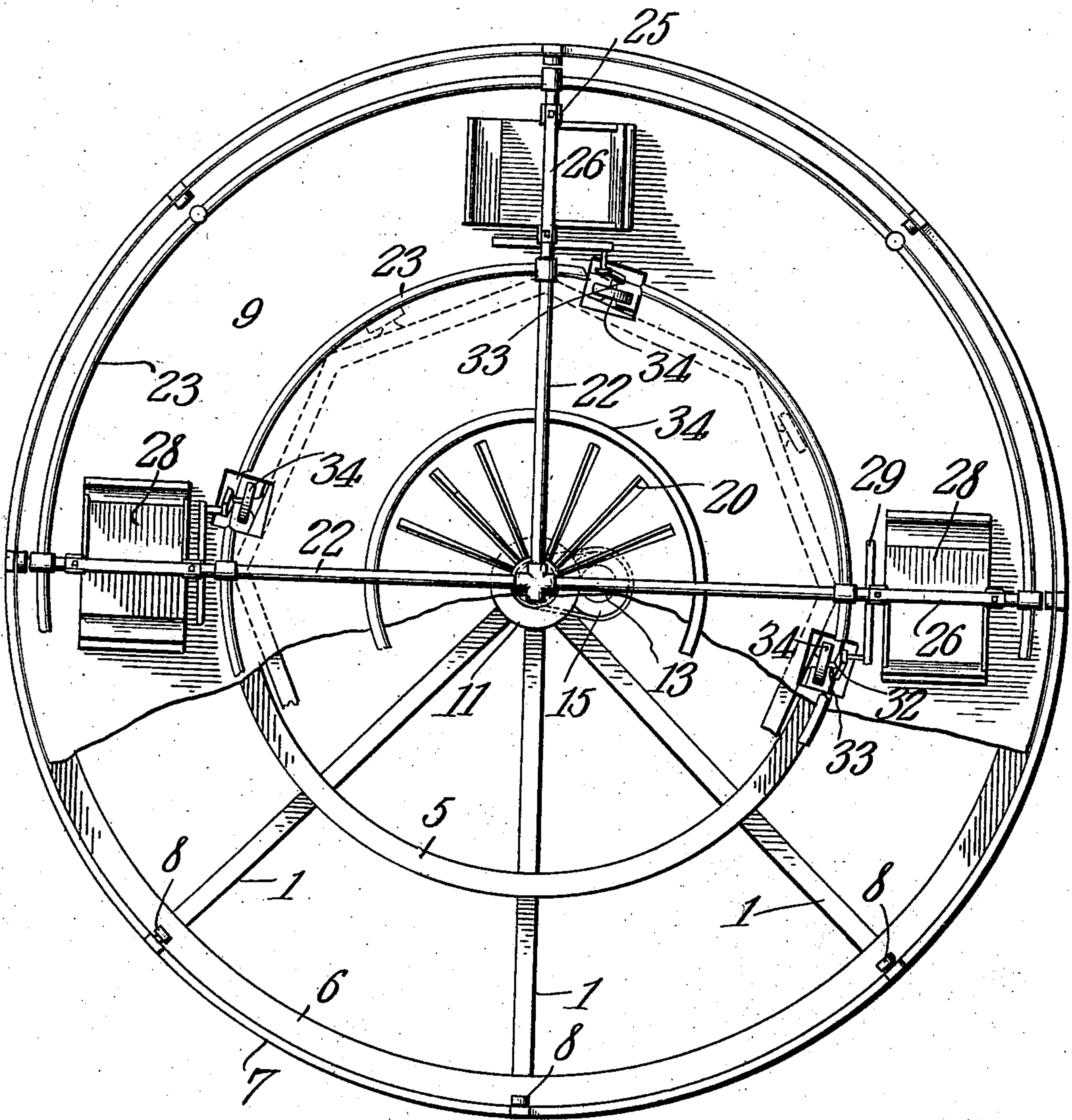
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2 SHEETS—SHEET 2.

Fig. 2.



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UNITED STATES PATENT OFFICE.

EDGAR MAYETTE, OF CANISTEO, NEW YORK, ASSIGNOR OF ONE-HALF TO FRANK J. NELSON,
OF HORNELL, NEW YORK.

AMUSEMENT APPARATUS.

No. 896,407.

Specification of Letters Patent.

Patented Aug. 18, 1908.

Application filed September 26, 1907. Serial No. 394,720.

To all whom it may concern:

Be it known that I, EDGAR MAYETTE, a citizen of the United States, residing at Canisteeo, in the county of Steuben and State of New York, have invented a new and useful Amusement Apparatus, of which the following is a specification.

This invention relates to amusement apparatus and more particularly to what is better known as circular swings.

The object of the invention is to combine a revolving platform with a plurality of pendulum swings designed to operate during the movement of the platform, motion being transmitted to the swings from suitably disposed drive devices operated by the movement of the platform.

A still further object is to provide a pendulum swing of novel construction having means whereby the starting or stopping of the swing can be gradually accomplished, which feature is particularly desirable where the swing is operated by mechanical power.

Another object is to provide mechanism whereby a fan may be operated in connection with the swing for the purpose of adding to the pleasure and comfort of the occupant.

With these and other objects in view the invention consists of certain novel features of construction and combinations of parts which will be hereinafter more fully described and pointed out in the claims.

In the accompanying drawings is shown the preferred form of the invention.

In said drawings: Figure 1 is a central vertical section through apparatus embodying the present improvements. Fig. 2 is a plan view of the apparatus, a portion of the platform and the parts thereabove being removed. Fig. 3 is a detail view of one of the swings and its driving mechanism, various positions assumed by the swing being indicated by dotted lines.

Referring to the figures by characters of reference, 1, 1 designate a plurality of radiating sills upon the inner or adjoining ends of which is secured a base plate 2 having an upstanding tubular pivot member 3 provided at its lower end and upon the plate 2 with an annular shoulder or boss 4. A circular rail 5 is secured upon the sills 1 and concentric with the member 3 and secured upon the end portions of these sills is an outer concentric ring 6 provided with an upstanding annular flange 7. Mounted upon the inner face of

this flange are upper and lower anti-friction rollers 8 arranged in pairs and constituting guides and supports for the peripheral portion of a circular platform 9. Arranged within the center of this platform is a hub 10 which rotates upon the pivot member 3 and bears at its lower end on the shoulder 4. The hub is provided with an annular flange 11 bolted or otherwise secured to the platform and having its peripheral portion preferably enlarged as indicated at 12 so as to frictionally engage a pulley 13 secured to one end of a countershaft 14. This shaft is journaled within the base plate 2 and has a pulley 15 at its lower end designed to transmit motion through a belt 16 to a pulley 17. This last mentioned pulley is secured to one end of a shaft 18 which is journaled within the member 3 and has a hub 19 at its upper end from which radiate fan blades 20.

Arranged upon the platform at regular intervals are standards 21 located in pairs, the outer standard of each pair being preferably disposed close to the periphery of the platform. The standards of each pair are rigidly connected at their upper ends by arms 22 radiating from a point above the center of the platform where they are rigidly connected in any suitable manner. Although, as shown in the drawings, the use of but four sets of standards has been indicated it is to be understood that any desired number of sets may be employed according to the size of the platform 9. As shown in the drawings the standards 21 may also be connected by means of circular railings 23 although these may be dispensed with if desired. A circular railing 24 is also arranged upon the platform and around the fan 20 so that there is no danger of persons upon the platform getting too close to the fan blades.

Loosely mounted on each arm 22 at points between the standards 21 are sleeves 25 which are preferably held properly spaced by means of a cross strip 26 bolted or otherwise fastened to them. Depending from each sleeve is a hanger 27 and the two adjoining hangers support a swing seat 28. A rock arm 29 is pivotally connected between its ends to the upper portion of each hanger 27 and this arm is held normally at right angles to the hanger by means of coiled springs 30 which are fastened to the cross arm at points equi-distant from its pivot and extend downward and are fastened to the hanger as in-

licated particularly in Fig. 3. The two arms 29 are connected by means of a rod 31 so as to move together, said rod constituting the pivots of the two arms. One of the arms 5 has a pitman 32 connected to it and extending downward through the platform. This pitman is mounted on a wrist pin 33 extending from one face of a roller 34 which is carried by the platform and designed to travel on 10 the rail 5. It is of course to be understood that one roller 34 and pitman 32 is provided for each swing.

In use the platform is rotated by means of any suitable mechanism, not shown, and motion will be transmitted from the flange 11 15 and through the pulleys 13 and 15 to pulley 17 and shaft 18 thereby causing the fan blades 20 to rotate rapidly in a direction opposite to that in which the platform is moving. At the same time the rollers 34 20 will be carried along the rail 5 and rotated so as to produce an up and down movement of the pitmen 32. The arms 29 will therefore be swung upon their pivots and motion will 25 be transmitted therefrom through the springs 30 to hangers 27. It will be obvious therefore that if the resistance to the movement of the arms 29 is considerable, as when the apparatus is being started, the springs 30 will 30 be extended so that the swing will not be started so suddenly as to cause discomfort to the occupants. The same springs will also act to gradually stop the swings.

What is claimed is:

35 1. The combination with a revoluble platform; of a pendulum swing supported thereby and movable therewith, a rock arm pivotally mounted upon the swing below the pivot of the swing, resilient connections 40 between the arm and its swing, and means operated by the movement of the platform for actuating the rock arm.

2. The combination with a revoluble platform and a pendulum swing supported thereby and movable therewith; of a rock arm 45 pivotally connected to the swing below the pivot thereof, resilient means for holding said arm normally in a predetermined relation to the swing, and means operated by the movement of the platform for transmitting 50 motion to the rock arm.

3. The combination with standards; of a swing pivotally supported therebetween and comprising connected hangers, a rock arm 55 pivotally mounted upon one of the hangers, resilient connections between the arm and hanger, and a power device connected to the rock arm.

4. The combination with standards; of a pendulum swing supported therebetween 60 and comprising connected hangers, a rock arm pivotally connected to each hanger, said arms being movable in unison, resilient connections between each hanger and adjoining rock arm, said connections extending beyond 65 opposite portions of the hangers, and a power device connected to one of the rock arms.

5. The combination with a revoluble platform; of standards upon the platform, a plurality of pendulum swings supported between the standards and comprising connected hangers, a rock arm pivotally 70 mounted upon one hanger of each swing, resilient connections between said arm and its hanger, and mechanism operated by the movement of the platform for actuating the rock arm of each swing.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

EDGAR MAYETTE.

Witnesses:

JOHN CLAUS,
C. A. RICHARDSON.