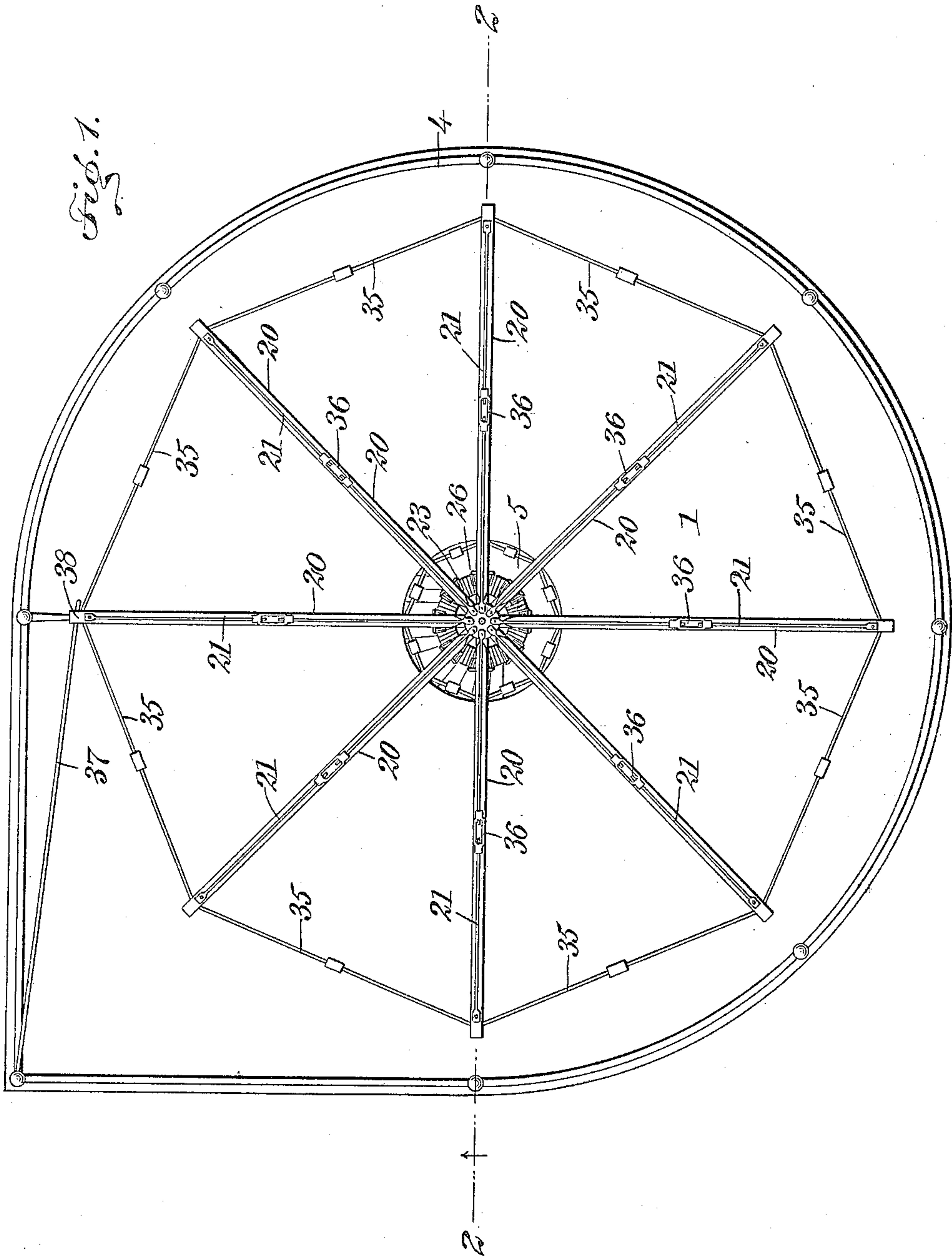


No. 822,677.

PATENTED JUNE 5, 1906.

H. LOISELEUR.  
MERRY SKATING RINK.  
APPLICATION FILED FEB. 20, 1906.

2 SHEETS—SHEET 1.



WITNESSES:

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*J. D. Ammer*

INVENTOR

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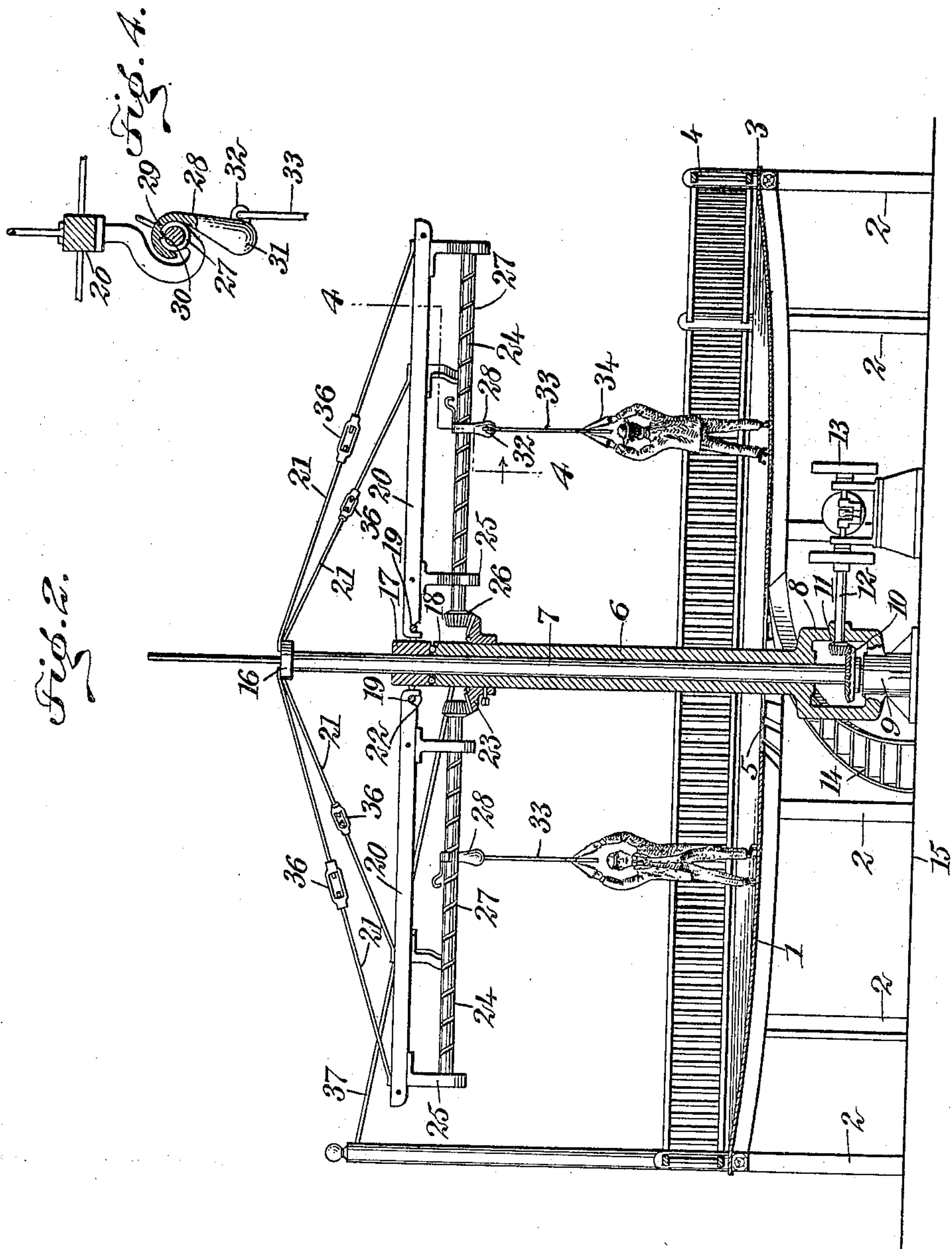
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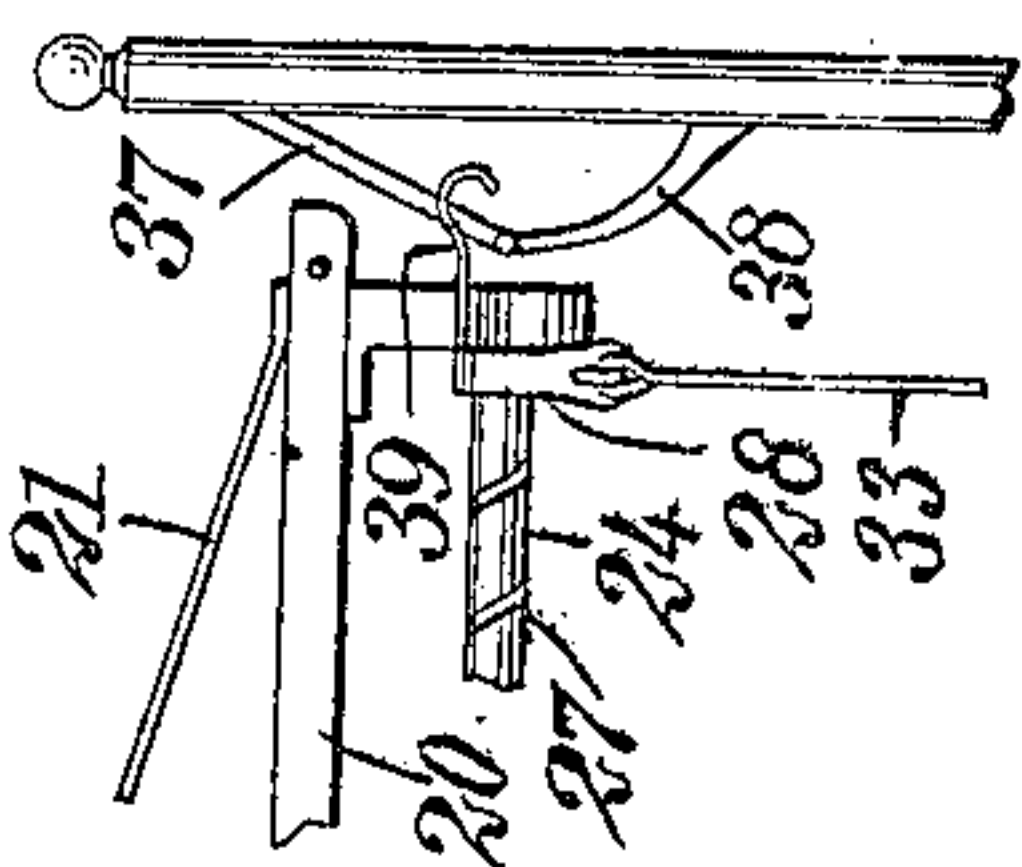


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*Fig. 3.*



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# UNITED STATES PATENT OFFICE.

HENRI LOISELEUR, OF NEW YORK, N. Y.

## MERRY SKATING-RINK.

No. 822,677.

Specification of Letters Patent.

Patented June 5, 1906.

Application filed February 20, 1906. Serial No. 302,103.

*To all whom it may concern:*

Be it known that I, HENRI LOISELEUR, a citizen of the Republic of France, and a resident of the city of New York, borough of Manhattan, in the county and State of New York, have invented a new and Improved Merry Skating-Rink, of which the following is a full, clear, and exact description.

This invention relates to amusement devices such as used at pleasure resorts.

The object of the invention is to produce an amusement device of simple construction which will have the general characteristics of a merry-go-round or carousel, but which will be used by persons upon skates.

The invention consists in the construction and combination of parts to be more fully described hereinafter and particularly set forth in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a plan of the device. Fig. 2 is a vertical cross-section through the device, taken on the line 2 2 of Fig. 1. Fig. 3 is an elevation showing a detail of the construction, and Fig. 4 is a vertical cross-section further illustrating the detail shown in Fig. 3 and taken substantially on the line 4 4 of Fig. 2.

Referring more particularly to the parts, and especially to Figs. 1 and 2, 1 represents a platform which is supported at an elevation upon posts or stanchions 2. This platform is of slightly-dished form, as shown, being higher at the edges 3, at which point a guard-rail 4 is placed. The platform 1 is of circular form and provided with a central opening 5. Through this opening a column 6 extends upwardly, the same being hollow and carrying a central shaft 7. At its lower portion beneath the platform 1 the column is formed into a bracket 8 and a step-bearing 9. In the step-bearing 9 the shaft 7 is rotatably mounted, and at the bracket 8 it is provided with a rigid bevel gear-wheel 10, which is adapted to be driven continuously by means of a pinion 11, carried upon the shaft 12, with a suitable motor 13. A stairway 14 leads upwardly from the ground-line 15, so that persons may ascend to the level of the platform. Upon the upper extremity of the shaft 7 a collar 16 is attached rigidly, and at a suitable distance below this collar a second collar 17

is provided which rests upon a ball-bearing 18, formed on the upper extremity of the column 6 referred to above. The collar 17 is provided with a plurality of eyes 19, which project outwardly therefrom, and to these eyes attach, respectively, a plurality of arms 20, which extend radially, as shown, and are connected at their outer extremities to the collar 16 by means of stay-rods 21. At their point of attachment to the eyes 19 the arms 20 are preferably formed into hooks 22, which catch in the eyes, as indicated.

Near the upper extremity of the column 6 I provide the same with a flexible bevel gear-wheel 23, the same affording means for driving a plurality of screw-rods 24, which extend longitudinally between the arms 20 and are supported therefrom by suitable brackets 25. The inner extremities of these screw-rods 24 carry bevel-pinions 26, which mesh with the aforesaid bevel gear-wheel 23. The screw-rods 24 are provided each with a helical groove 27, so that they constitute screws for a purpose which will appear more fully hereinafter. Upon each of the screw-rods 24 a saddle 28 is hung. The construction of this saddle is shown very clearly in Figs. 2 and 4. Its upper extremity is formed into a yoke 29, which hangs over the upper side of the screw-rods. This yoke upon its inner face is provided with a projection or dog 30, which engages the helical groove 27. The body 31 of the saddle is of substantial construction and depends from the yoke, as shown. To the side of the body an eye 32 is attached, which supports a pendant, rod, or cord 33. These rods or cords 33 hang vertically downwardly, as shown, and may be provided with straps 34, which are adapted to be grasped by persons on the platform, as indicated in Fig. 2. In practice these pendants 33 will be made sufficiently long to enable children using the device to reach the same.

In order to maintain the arms 20 at an equal distance apart, their outer extremities are connected by adjustable braces or straps 35. In order to enable the arms 20 to be raised or lowered at their outer extremities, the stays 21 are preferably provided with turnbuckles 36, as shown.

At a suitable point adjacent to the path of the outer extremities of the screw-rods 24 I provide an elevated rail 37, which inclines upwardly, as indicated most clearly in Fig. 2. The lower extremity of this rail 37 projects, as indicated in Fig. 1, beyond a bracket 38,



which supports the same, as indicated in Fig. 3. Each of the saddles 28 is provided with a hook 39, which extends longitudinally of the axis of the screw-rods, as shown most clearly in Fig. 3.

It should be understood that in using the device the rotation of the shaft 7 operates to rotate the collar 17 and all of the arms 20. As the arms 20 rotate the fixed bevel gear-wheel 23 rotates the screw-rods 24, and the rotation is in the proper direction, so that the grooves 27 will advance the saddles 28 toward the outer extremities of the screw-rods, as will be readily understood. The arrangement of the hook 39 in each saddle is such that when the saddle arrives at the outer extremity of its screw-rod the hook 39 will come into alinement with the projecting lower extremity of the inclined rail 37. As this takes place the saddle will become supported by the inclined rail, and the screw-rod to which it has been attached will detach itself and pass away. In this way the saddles will be shipped from the screw-rods upon the inclined rail. The momentum of the body of the person who is holding the pendant 33 will enable the person to advance with the saddle up the inclined rail 37. In this way amusement will be afforded and attraction offered to pleasure seekers.

The arms 20, together with the parts which rotate therewith, may be considered to constitute a wheel.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. In an amusement device of the class described, in combination, a vertical shaft adapted to be continuously rotated, a plurality of substantially radial arms attached thereto, screw-rods supported by said arms, means for rotating said screw-rods, saddles carried by said screw-rods and adapted to be advanced thereby, and pendants carried by said saddles.

2. In an amusement device of the class de-

scribed, in combination, a rotatable member presenting a plurality of arms, saddles adapted to be supported from said arms and having pendants adapted to be grasped, a rail adjacent to the extremities of said arms, and means carried by said saddles for engaging said rail whereby said saddles may be disengaged.

3. In an amusement device of the class described, in combination, a platform, a wheel presenting a plurality of arms, screw-rods supported on said arms, a plurality of saddles supported, respectively, on said screw-rods, said saddles having hooks and pendants adapted to be seized by a person on said platform, and a rail disposed adjacent to the extremity of said arms and adapted to be engaged by said hooks, said hooks affording means for disengaging said saddles from said screw-rods.

4. In an amusement device of the class described, in combination, a curved platform, a wheel presenting a plurality of arms disposed above said platform, and saddles supported from said arms and having pendants adapted to be seized by persons on said platform.

5. In an amusement device of the class described, in combination, a platform, a wheel disposed thereabove and having a plurality of screw-rods supported radially thereupon, a plurality of saddles having yokes formed at the upper portions thereof hanging upon said screw-rods, said saddles having hooks projecting longitudinally of said rods and having pendants hanging downwardly therefrom, and a rail disposed adjacent to the path of the extremities of said screw-rods and adapted to engage said hooks to remove the same from said screw-rods.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

HENRI LOISELEUR.

Witnesses:

F. D. AMMEN,

J. NOCK.