

Feb. 21, 1928.

1,660,139

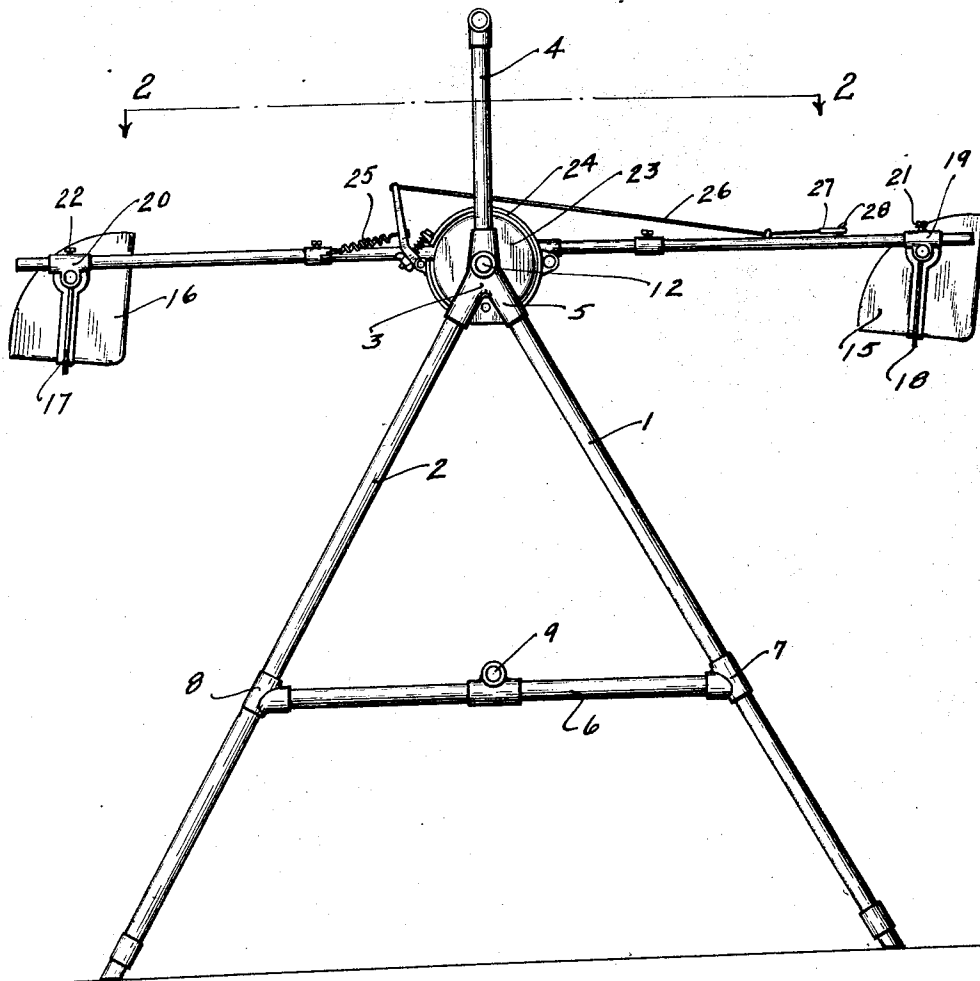
N. SHELLABARGER

AMUSEMENT DEVICE

Filed Aug. 28. 1926

2 Sheets-Sheet 1

Fig. 1



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Fig. 2

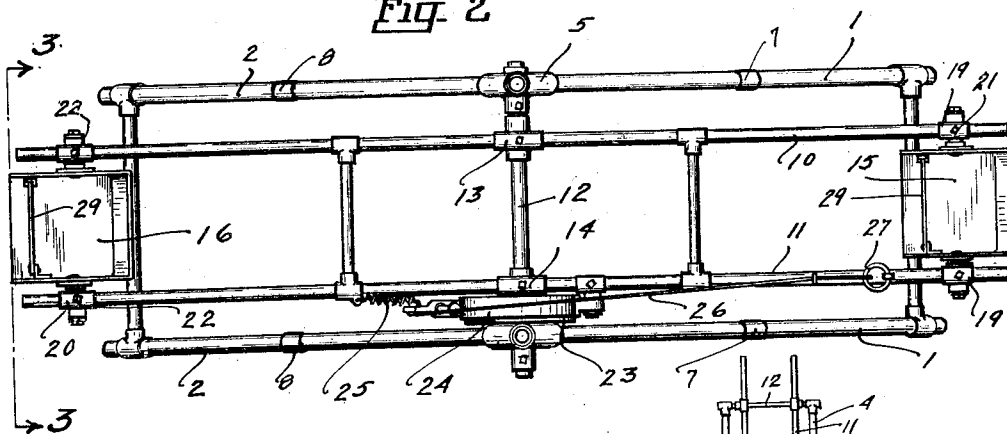


Fig. 3

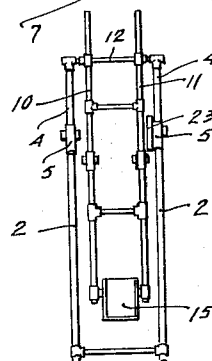
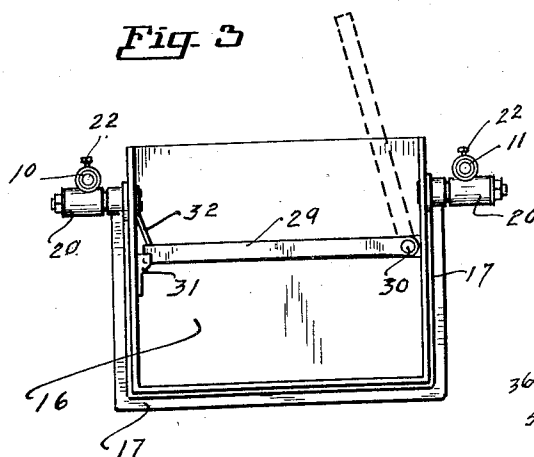


Fig. 5

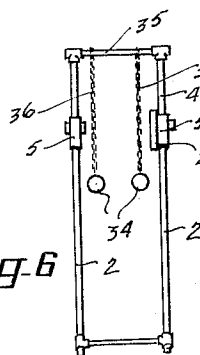


Fig. 6

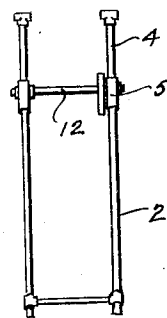
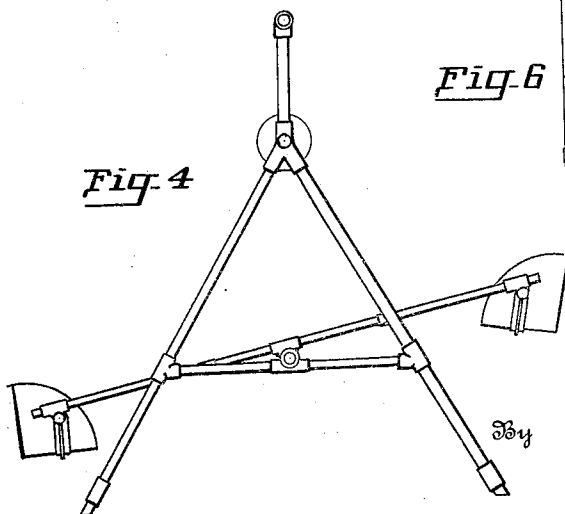


Fig. 7

Fig. 4



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UNITED STATES PATENT OFFICE.

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AMUSEMENT DEVICE.

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The primary object of my device is to provide an amusement device for use in play grounds, at the home and school and all places where amusements are provided for children, in a form that may be used in a multiplicity of ways, as a merry-go-round, operating about a horizontal supporting member and wherein the occupants may be made to entirely complete a circular rotation about a horizontal support.

A further object of my new and improved amusement device consists in providing simple and efficient means for transforming my device into a plain swing, or into a teeter board or a combination of the two movements of a see saw movement as well as a movement up and down. Simple means being provided for adjusting the supporting members to compensate in the difference in weight of the users of the device.

A still further object of my device consists in providing means for stopping the supporting member at predetermined points and maintaining the same in a relatively stationary condition.

A still further object of my device consists in providing standards of support for the different members that may be easily erected and taken down to make the same portable in effect.

A still further object of my device consists in providing means that will bring the supporting member to a position of rest at the same place at all times and that will maintain the same in a position of rest until released from locked position.

A still further object of my device is to provide a simple amusement device that will give a variety of amusements and yet be simply constructed and that will continue to operate over long periods without expensive repairs.

With these and incidental objects in view, the invention consists in certain novel features, the essential elements of which are set forth in the appended claims, and a preferred form of embodiment is hereinafter shown with reference to the drawings which accompany, and form a part of this specification.

In the drawings:—

Fig. 1 is a side elevation of the assembled device with the seats and the supporting side rails therefor illustrated in horizontal position.

Fig. 2 is a top plan view taken on line

2—2 of Fig. 1, looking in the direction indicated.

Fig. 3 is a front view of the seat support taken on line 3—3 of Fig. 2, looking in the direction indicated.

Fig. 4 is a side elevation of the device with the supporting side rail members and the seats secured thereto in position for use as a teeter board.

Fig. 5 is an end view of the device with the side rails positioned for use as a swing, with one of the seats removed from the supporting rails.

Fig. 6 is an end view of the frame structure illustrating the framed members being used as supports for rings.

Fig. 7 is an end view illustrating the frame structure in position and used as a support for a tumbling bar.

Like reference characters refer to like parts throughout the several views.

I make my frame structure preferably of pipe material the side members of which are made in the form of an A-frame, having two legs, 1 and 2, disposed on either side thereof, meeting at a common point 3. The structural member 5 is formed of a rigid material and is adapted to receive the leg members 1 and 2 in sockets formed therein; and having a vertical standard 4 disposed on the upper side thereof. The side frames are held in spaced relationship by struts 6^A. A cross bar 6 is secured to the leg members 1 and 2 by suitable connections 7 and 8, secured to the leg members. Disposed midway of the cross bar 6 is a journaled bearing 9.

When the device is intended and erected for use as a merry-go-round, two side members, 10 and 11, are journaled about the shaft 12 that is supported on either end within the structural member 5. Journaled bearings 13 and 14 being secured to the side rails 10 and 11, and the cross bar 12 is journaled therein. This permits of a free rotation of the side rails 10 and 11 about the shaft 12. Seats 15 and 16 are positioned at either end of the side rails and are supported in position by yokes 17 and 18. The yokes 17 and 18 are journaled within bearings 19 and 20. The bearings 19 and 20, for supporting the yokes and the seat members, are in slidable relationship with the side rails and may be maintained in fixed position by the set screws 21 and 22. This compensating movement of the seat supporting bearings and

yokes is necessary to provide means for compensating for a difference in weight of the users of the device. A brake drum 23 is maintained in fixed position with the side
 5 supporting frame members and has imposed about the outer periphery thereof a brake band 24. A spring 25 normally maintains the brake band in tight relationship with the
 10 brake drum, but the same may be released by pulling the brake rod 26, thus flexing the spring 25 and releasing the band from the drum. To maintain the brake band in released position from the drum the rod 26 carries a ring 27 which may be made to en-
 15 gage stop pin 28, disposed in one of the side rail members.

A safety bar 29 is hinged about a pin 30, associated with a bracket disposed in one side of the seat members. The swinging end
 20 of the safety bar 29 may be made to engage latch bar 31, and be maintained in position by the string 32.

When it is desired to use one of my new and improved devices for a teeter board, the
 25 cross shaft 12 is disposed within the journal bearing 9, and as this shaft supports the side rail members 10 and 11, by means of the journals 13 and 14, a partial rotation is secured between the shaft and the bearings to
 30 form a teeter board of the side rail members. The seat members being used as heretofore described. Should it be desired to use one of my amusement devices in supporting a pair of rings, the side rail members are re-
 35 moved from the frame structure together with the seats and the cross shaft 12 at which time the rings 34, together with their supporting members 36 and 37, are supported upon their cross shaft 35.

40 My device can also be used as a pendulum swing by removing the cross shaft 12 from the support members 5, and the bearings 13 and 14. Then one of the seats and its supporting yoke is removed from its bearing
 45 and the shaft inserted instead, this positions

the cross shaft 12 at one end of the side members 10 and 11, the cross shaft is then supported by the members 5^A at the top of the vertical standard 4, as particularly shown in Fig. 5.

While the form of mechanism herein shown and described is admirably adapted to accomplish the objects primarily stated, it is not intended to confine the invention to the specific form herein described, as it is susceptible of embodiment in various limited
 55 ways all coming within the scope of the claims which follow.

What I claim is:—

1. In a device of the class described, the combination with supporting members provided with means for supporting a cross shaft at optional heights, and a cross shaft, of a pair of parallel spaced members; bearings at the opposite ends of said members,
 60 removable seats pivotally carried by said bearings, other bearings intermediate the ends of said members rotatably supporting said members to said shaft to form a revolving swing; and means permitting said
 65 last mentioned bearings to be removed from said shaft and the bearings supporting one of the seats substituted to form a pendulum swing.

2. In a device of the class described, the combination with supporting members provided with means for supporting a cross shaft at optional heights and a cross shaft; of a pair of parallel spaced members; bearings at the opposite ends of said members and movable relative thereto; removable
 75 seats pivotally supported by said bearings; other bearings intermediate the ends of said members rotatably supporting said members to said shaft to form a revolving swing; and means permitting the last mentioned
 80 bearing to be removed from said shaft and the bearings supporting one of the seats substituted to form a pendulum swing.

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