W. G. MAYFIELD.

AMUSEMENT APPARATUS.

APPLICATION FILED DEC. 22, 1910.

1,006,666.

Patented Oct. 24, 1911.

2 SHEETS—SHEET 1.

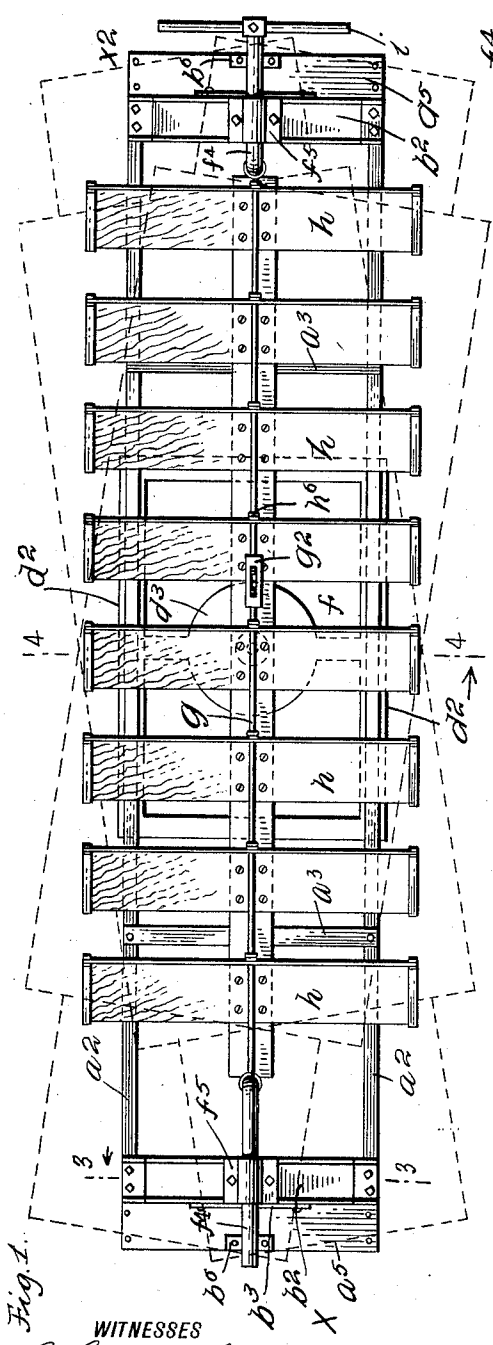

Fig. 1.

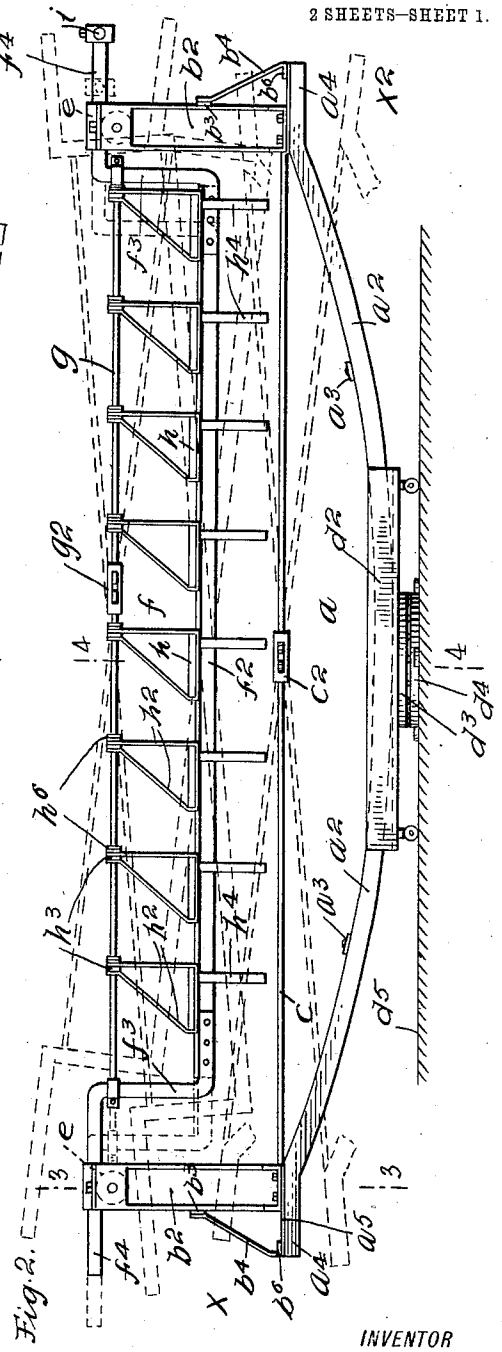

Fig. 2.

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2 SHEETS—SHEET 2.

Fig. 3.

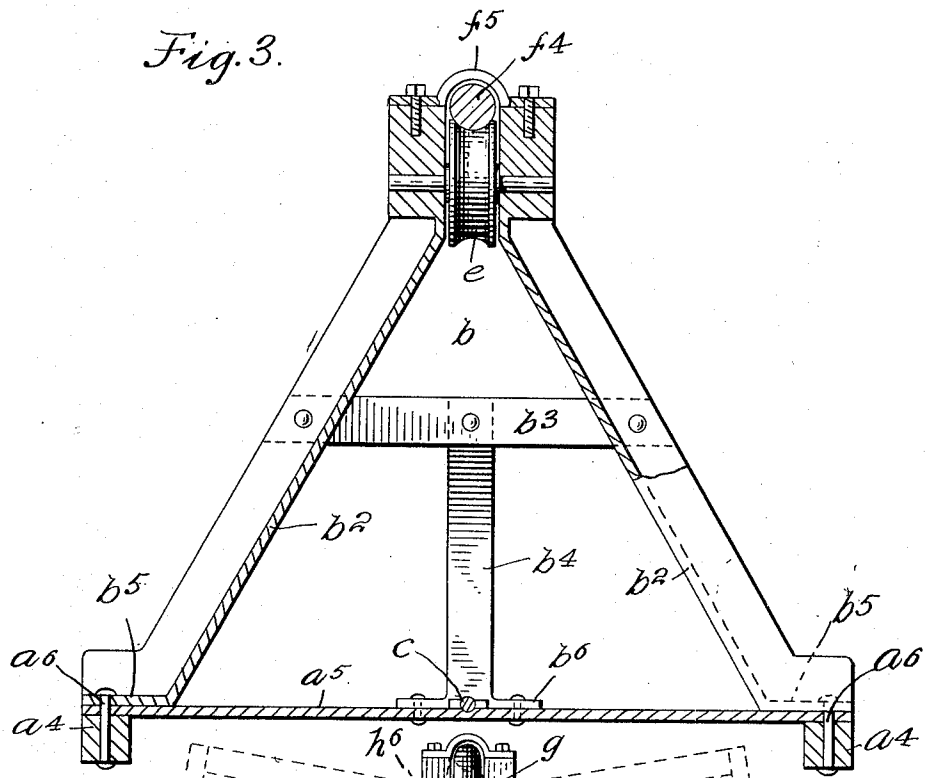
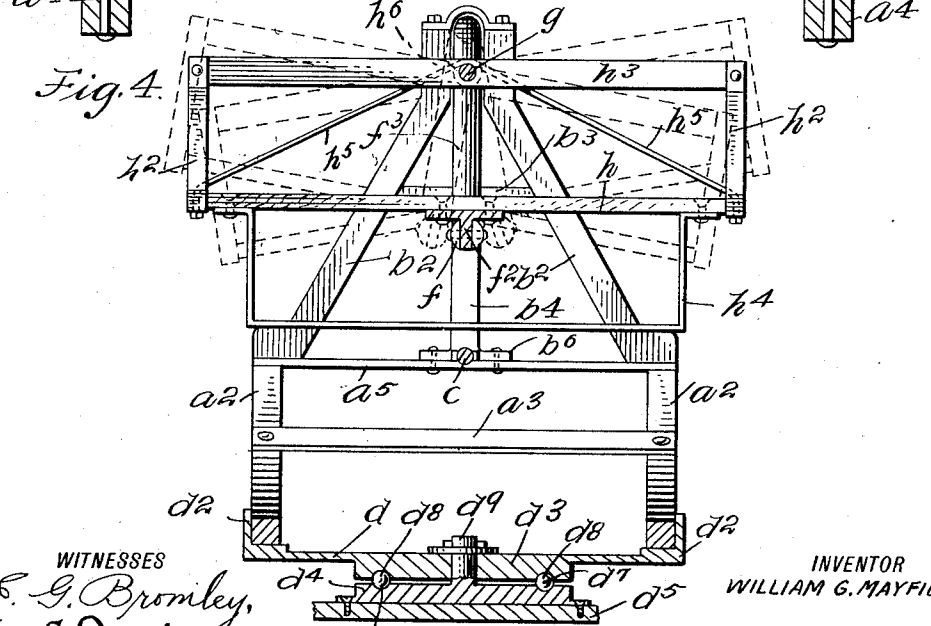


Fig. 4.



WITNESSES

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AMUSEMENT APPARATUS.

1,006,666. Specification of Letters Patent. Patented Oct. 24, 1911.

Application filed December 22, 1910. Serial No. 598,842.

To all whom it may concern:

Be it known that I, WILLIAM G. MAYFIELD, a citizen of the United States, and residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Amusement Apparatus, of which the following is a specification, such as will enable those skilled in the art to which it appertains to make and use the same.

This invention relates to amusement apparatus designed for use in public parks and other resorts, and the object thereof is to provide an improved apparatus of this class having a variety of movements such as a rotary movement and a rocking movement, and which is also provided with a seat support having a longitudinal movement and a transverse rocking movement; a further object being to provide an apparatus of the class specified which is designed to amuse both old and young, and which may be conveniently set up for use wherever apparatus of this class is desired.

The invention is fully disclosed in the following specification, of which the accompanying drawing forms a part, in which the separate parts of my improvement are designated by suitable reference characters in each of the views, and in which:—

Figure 1 is a plan view of my improved amusement apparatus; Fig. 2 a side view thereof; Fig. 3 a transverse vertical section on the line 3—3 of Figs. 1 and 2; and, Fig. 4 a transverse vertical section on the line 4—4 of Figs. 1 and 2.

In the practice of my invention, I provide an oblong rocking frame a, consisting of side rockers a^2 connected by transverse bars a^3, any desired number of which may be employed, and said rockers are provided at their ends with horizontal portions a^4 connected by transverse plates a^5 which are bolted or otherwise secured thereto as shown at a^6, and at each end of the rocking frame are upright supports b which are preferably composed of side members b^2, a central cross member b^3 and a central vertical member b^4. The side members b^2 are provided with feet b^5 rigidly secured to the transverse plates a^5 and to the ends a^4 of the rockers, and the central member b^4 of the end supports b is provided with a base b^6 rigidly secured to the transverse plates a^5 and as thus constructed it will be seen that the end supports b form part of the main rocking frame and the end portions of said main rocking frame are also connected by a central longitudinal tie-rod c, the ends of which are secured to the transverse plates or members a^5, and said tie rod consists of two parts connected centrally by a turn-buckle c^2.

The main rocking frame is mounted on a rotatable table d having side plates d^2 which form guides for said frame and said rotatable table is provided centrally with a thickened portion or bearing d^3 mounted on a stationary plate d^4 secured to a floor or other support d^5, and in which and the bearing or thickened portion d^3 of the table d are placed circular ball races d^7 in which are placed balls d^8, and the plate d^4 is provided with a central pin or trunnion d^9 which passes upwardly and centrally through the central part of the table d, as clearly shown in Fig. 4, and on and around which the apparatus or the rocking frame a and super-structure mounted thereon is adapted to rotate.

In the tops of the end supports b are mounted grooved rollers e which support a longitudinally movable seat member f, consisting of a central longitudinal rod or bar f^2 which is preferably T-shaped in form in cross section, and to the ends of which are secured angular arms f^3 which are cylindrical in cross section, and which consist of upwardly directed parts and oppositely and outwardly directed horizontal members f^4 which rest on the rollers e and which are held in position by bearing caps f^5 secured to the tops of the end frames b, or the bearings in which the rollers e are mounted. The arms f^3 of the bar f^2 are also connected by a horizontal top rod g composed, in the form of construction shown, of two similar parts connected centrally by a turn-buckle g^2 and arranged at intervals on and connected with the bar f^2 and the rod g are transverse seats h having end frames h^2 which are preferably triangular in form, a transverse top back bar h^3 and a bottom foot support h^4 secured to said seats h, and with this construction, parties sitting on one of said seats will use the foot support h^4 of the seat on front of them, and the seats h are also provided with brace or tie rods h^5 which are connected with the ends thereof and wrapped around the rod g as shown at h^6 in Fig. 4.

For the purpose of this description the end x of the apparatus, or the left hand end, as indicated in Figs. 1 and 2, will be called the front end and the end x^2, or the right hand end, as shown in said figures, will be called the rear end. In practice, any suitable foot support may be provided for a party sitting on the front seat h, if desired.

As shown in the accompanying drawing, the rod g passes through the top back bar members h^3 of the seats h, and said seats are rigidly connected with the bar f and the rod g. With this construction, it will be seen that the main frame of the apparatus consisting of the rockers a^2, the end supports b, and the central bottom longitudinal tie rod c may be rocked in or on the table or support d with said table or support remaining stationary, or said main frame and said table or support may be rotated in a horizontal plane and in either direction as indicated in dotted lines in Fig. 1, and at the same time the seats and seat support, including the bar f^2 and the rod g may be moved longitudinally or oscillated longitudinally back and forth in the said main frame, and at the same time said seats and seat support may be given a rotary oscillating movement in a transverse plane.

As shown in the accompanying drawing, the rear end arm f^4 of the bar f^2 is provided with a transverse handle bar i, and a man or men standing on the ground, or on the floor d^5 may by grasping said bar oscillate or rotate the entire apparatus in a horizontal plane, as indicated in dotted lines in Fig. 1, and the entire apparatus may also be rocked in a vertical plane, as indicated in dotted lines in Fig. 2, and the seats and seat support may be moved forwardly and backwardly, as shown in dotted lines in Fig. 2, and also rocked transversely, as shown in dotted lines in Fig. 4.

My invention, as will be understood, is not limited to the operation of the various parts of the apparatus by hand as herein shown and described, and any suitable mechanical or other means may be provided for this purpose, and while I have shown and described the preferred form of the main parts of my amusement apparatus, and the preferred method of moving said apparatus and the various parts thereof, my invention is not limited to the details of construction herein shown and described, and various changes therein and modifications thereof may be made, within the scope of the appended claims, without departing from the spirit of my invention or sacrificing its advantages.

Having fully described my invention, what I claim as new and desire to secure by Letters Patent, is:—

1. In an apparatus of the class described, a main rocking frame mounted on a rotary support and provided with a longitudinally movable and transversely rocking seat support and seats.

2. In an apparatus of the class described, a rotatable support, a main rocking frame mounted thereon, and a longitudinally movable seat support mounted in said main rocking frame and provided with transverse seats.

3. In an apparatus of the class described, a rotatable support, a main rocking frame mounted therein, and a longitudinally movable seat support mounted in said main rocking frame and provided with seats.

4. In an apparatus of the class described, a rotary support, a main rocking frame mounted thereon, and longitudinally movable and a transversely oscillating seat support mounted in said main rocking frame and provided with transversely arranged seats.

5. In an apparatus of the class described, a rotary frame or support provided with a longitudinally movable and transversely oscillating seat support and seats.

6. In an apparatus of the class described, a main rocking frame mounted on a rotary support and a longitudinally arranged seat support movably mounted on and supported by said frame.

7. In an apparatus of the class described, a main rotary support, a rocking frame mounted on said support and a longitudinally arranged seat support mounted on and supported by said frame and movable longitudinally thereof.

8. In an apparatus of the class described, a rotary frame or support, and a seat support mounted diametrically thereof and provided with seats, said support being also adapted to oscillate laterally.

In testimony that I claim the foregoing as my invention I have signed my name in presence of the subscribing witnesses this 21st day of December 1910.

WILLIAM G. MAYFIELD.

Witnesses:
C. E. MULREANY,
E. G. BROMLEY.