J. E. HOLLAND.

SWING.

APPLICATION FILED DEC. 2, 1920.

1,379,566.

Patented May 24, 1921.

2 SHEETS—SHEET 1.

Fig. 1.

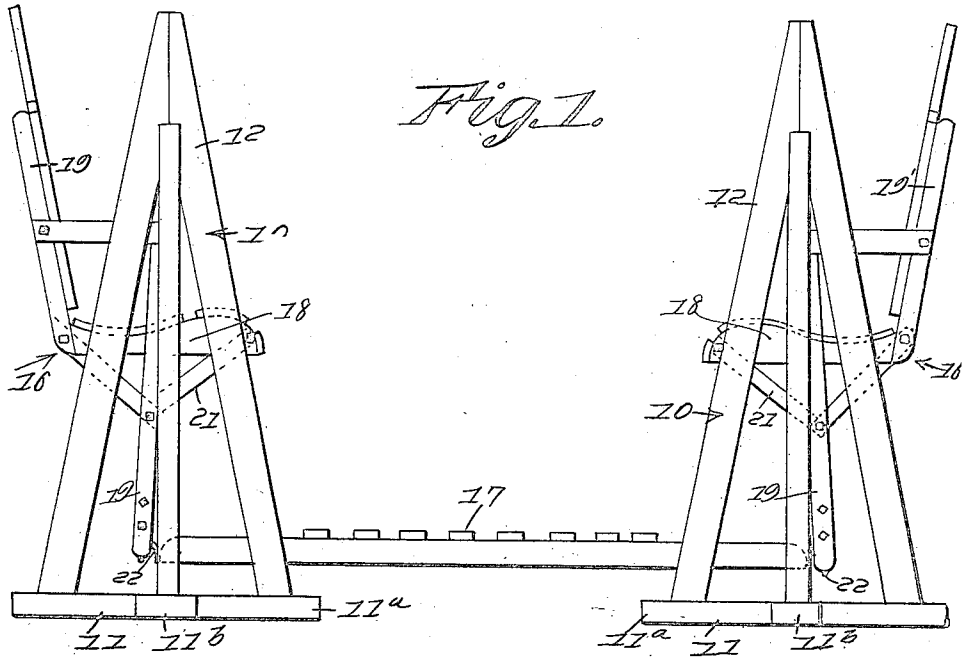


Fig. 3.

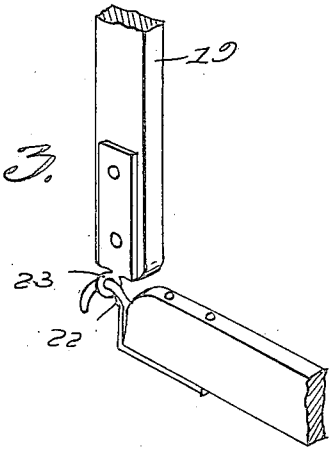
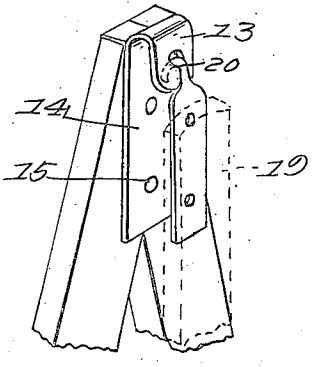


Fig. 4.



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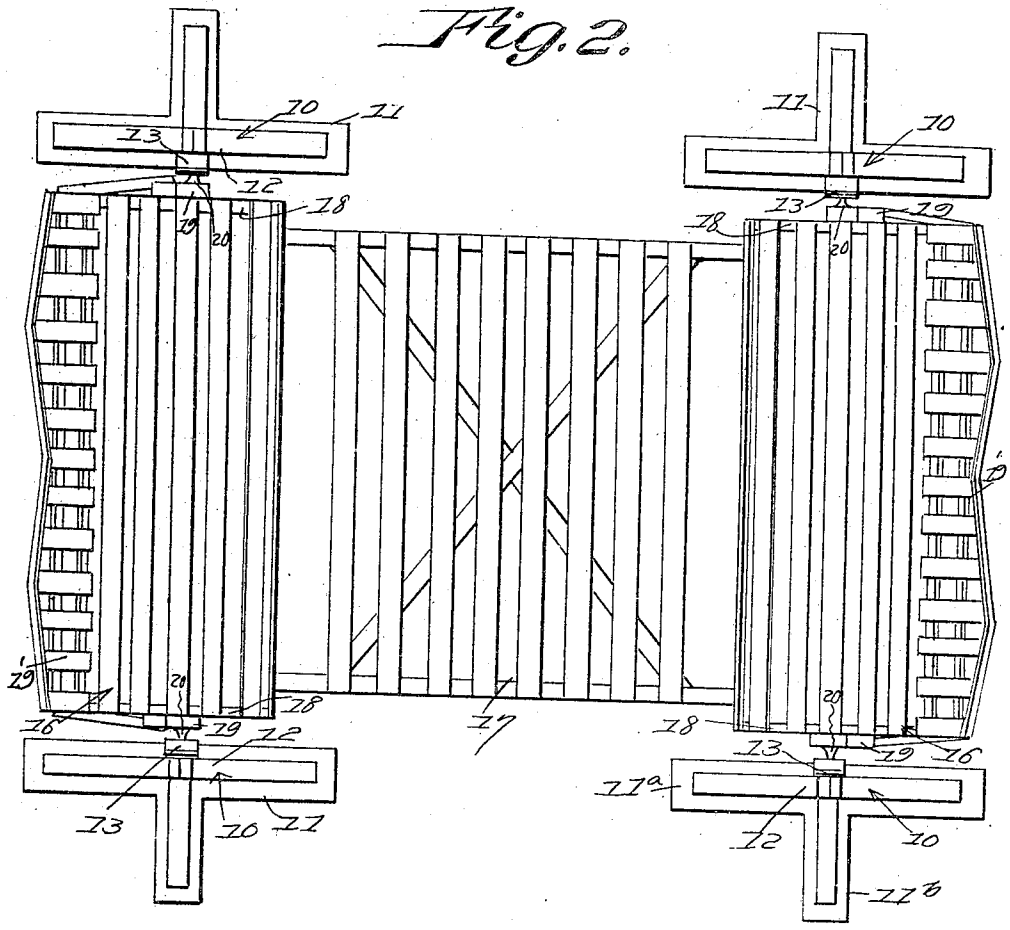
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2 SHEETS—SHEET 2.

Fig. 2.



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UNITED STATES PATENT OFFICE.

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SWING.

1,379,566. Specification of Letters Patent. Patented May 24, 1921.

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To all whom it may concern:

Be it known that I, JAMES E. HOLLAND, a citizen of the United States of America, residing at Douglasville, in the county of Douglas and State of Georgia, have invented new and useful Improvements in Swings, of which the following is a specification.

The object of the invention is to provide an indoor porch or lawn swing which is portable and self supporting in that the movable elements thereof are mounted upon standards or supports forming elements of the structure as distinguished from those swings in connection with which posts or uprights especially erected or forming parts of permanent structures or buildings are necessary to an effective operation, and furthermore to provide a device for the purpose indicated wherein the elements may be readily disconnected to expose the floor or ground space normally covered thereby, to permit of sweeping and cleaning, and at the same time to provide a device of this type wherein the parts when assembled combine to form a stable and relatively rigid support for the swing proper; and with these objects in view the invention consists in a construction and combination of parts of which a preferred embodiment is shown in the accompanying drawing, wherein:—

Figure 1 is a side view of the swing.

Fig. 2 is a plan view thereof.

Figs. 3 and 4 are detail views respectively of the joint between the foot board and one of the hangers and the suspension joint between the hangers and the standards.

The apparatus embodies essentially a plurality of independent standards 10 arranged in pairs with the members of each pair in transversely opposite relation, each standard having a base 11 to rest upon the floor or ground and provided with radiating longitudinal arms 11^a and the transverse arms 11^b, and the upwardly convergent bars 12 rising respectively from the arms of the base and secured together at their upper extremities to support the suspending ear 13 which may as illustrated be formed as a downwardly extending or pendent extension of a metallic plate 14 secured to the upper ends of said bars and serving by reason of its fastening rivets or bolts 15 to secure the extremities of the arms in their proper relations; together with a swing proper consisting of the twin seat members 16 pendently supported between the members of said pairs of standards and connected by a foot rest 17.

The pendent or swinging members in the construction illustrated embody seats 18 having backs 19′, from the former of which extend the hanger bars 19 provided at their upper ends with hooks 20 for engagement with the perforations of the ears 13, and said hanger bars which extend below the planes of the seats and are suitably braced as shown at 21 are connected at their lower extremities with the respective ends of the foot rest by means of hooks 22 located for example on the extremities of the foot rest and engaged with eyes 23 at the extremities of the hanger bars. Obviously the lateral outward displacements of the standards is prevented by the radially disposed arms 11^b of the bases with which said standards are provided while inward lateral displacements or vibration is prevented by the engagement of the suspension hooks 20 with the ears 13, the hanger bars to which said hooks are attached being of sufficient strength and rigidity to minimize vibration. At the same time by lifting one of the said members sufficiently to disengage the suspension hooks 20 thereof from the ears 13 the seat member may be swung outward to readily effect the disengagement of the eyes 23 at the lower ends of the hanger bars from the terminal hooks of the foot rest, so that the several elements of the structure may be disconnected for movement from one place to another or for packing and transportation. The disengagement of the terminals of the foot rest from the lower ends of the hanger bars except after first disengaging the suspension hooks from the ears 13 is prevented by the downward curvature of the hooks 22.

In assembling the elements of the construction it is obvious that the first operation consists in engaging the eyes 23 of the seat members with the terminal hooks 22 of the foot rest after which the standards may be properly positioned with reference to the ends of the foot rest and the seat members may then be raised successively a sufficient distance to effect the engagement of the sus-

pension hooks 20 with the ears 13. The possibility of accidental disconnection of the elements while in use is minimized.

Having described the invention, what is claimed as new and useful is:—

1. A self supporting swing structure having pairs of independent standards of which the members are arranged in transversely opposite positions and are provided at their upper ends with depending perforated suspension ears, seat members having outwardly and downwardly directed suspension hooks for engagement with said ears, and a foot rest having terminal hook and eye connection with the lower ends of the seat members.

2. A knock-down self supporting swing structure having pairs of independent oppositely positioned standards provided at their upper ends with pendent perforated suspension ears, said standards being provided with bases having radially directed arms and upwardly convergent bars extending respectively from the arms of the base, seat members respectively arranged between the opposite members of the pairs of standards and provided with outwardly directed suspension hooks engaged with said suspension ears, and a foot rest having terminal hook and eye connection with the lower extremities of said seat members.

3. A knock-down self supporting swing structure having pairs of transversely opposite standards provided at their upper ends with depending perforated suspension ears, seat members arranged respectively between the members of each pair of standards and provided with vertical hanger bars having at their upper ends outwardly turned suspension hooks for engagement with said suspension ears and having eyes at their lower ends, and a foot rest extending between the lower extremities of the hanger bars of said seat members and provided with downturned terminal hooks for engagement with the eyes at the lower ends of said hanger bars.

In testimony whereof I affix my signature.

JAMES E. HOLLAND.