

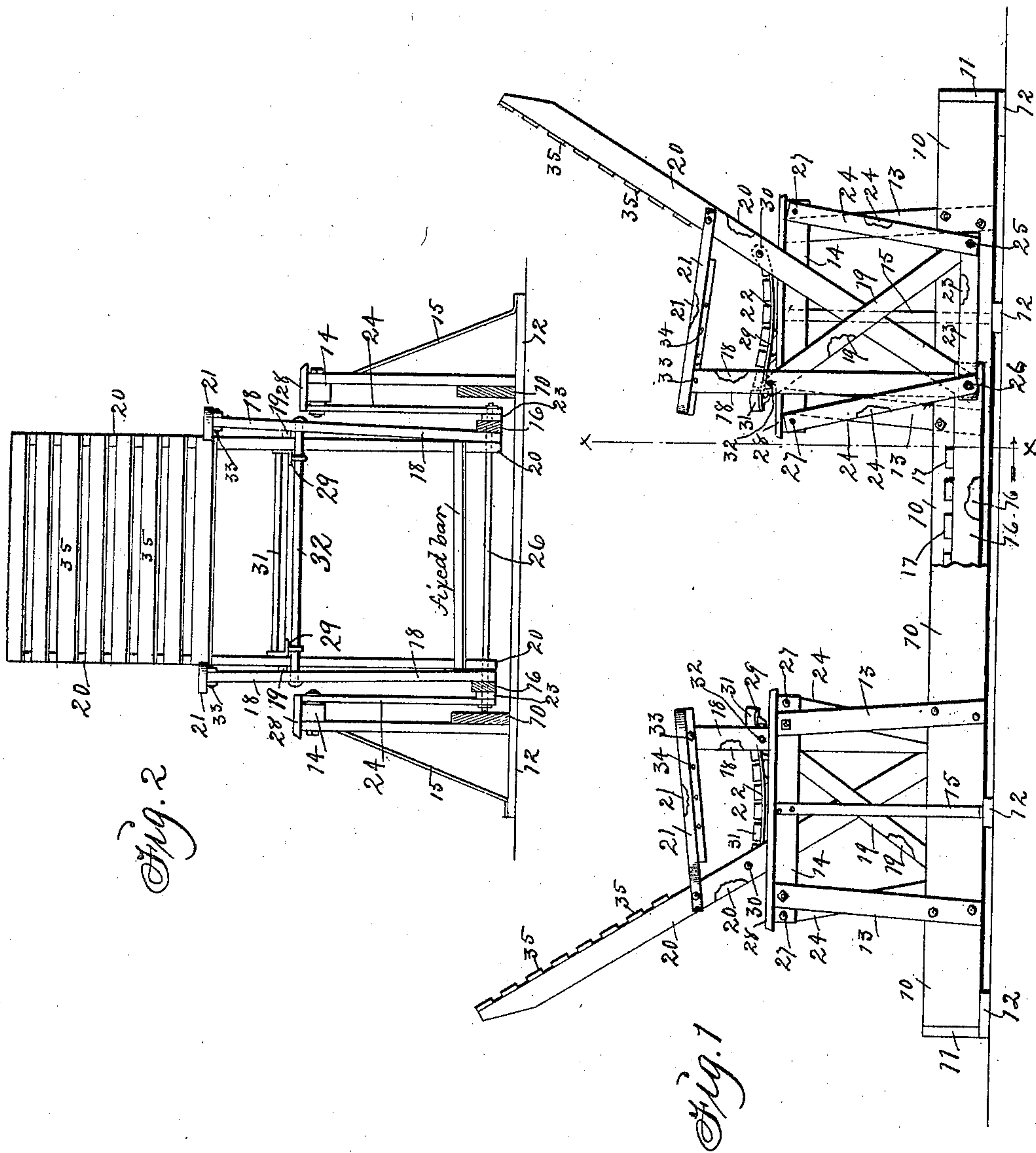
No. 704,523.

Patented July 15, 1902.

A. T. DOWDEN.
PORTABLE CHAIR SWING.

(Application filed May 20, 1901.)

(No Model.)



Witnesses:
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UNITED STATES PATENT OFFICE.

ASHFORD T. DOWDEN, OF PRAIRIE CITY, IOWA, ASSIGNOR TO THE DOWDEN MANUFACTURING COMPANY, OF PRAIRIE CITY, IOWA.

PORTABLE CHAIR-SWING.

SPECIFICATION forming part of Letters Patent No. 704,523, dated July 15, 1902.

Application filed May 20, 1901. Serial No. 61,004. (No model.)

To all whom it may concern:

Be it known that I, ASHFORD T. DOWDEN, a citizen of the United States, residing at Prairie City, in the county of Jasper and State of Iowa, have invented a new and useful Portable Chair-Swing, of which the following is a specification.

My object is to construct and combine two adjustable chairs with a swinging platform and a portable base in a strong and durable and convenient way in such a manner that the complete structure will be ornamental, convenient, and well adapted for purposes of amusement and pleasure to children and adults in a house, on a porch, or on a lawn to afford comfort and promote health by affording light and pleasing exercise and sociability for those who at different times may occupy the seats.

My invention consists in the construction, arrangement, and combination of a rigid portable base, a swinging platform, and two adjustable chairs, as hereinafter set forth, pointed out in my claims, and illustrated in the accompanying drawings, in which—

Figure 1 is a side elevation and from one end portion parts are broken away to show the relative positions of the parts that connect the adjustable chairs and the swinging platform with the rigid portable base. Fig. 2 is a transverse sectional view on the line xx of Fig. 1, showing how the adjustable chairs are constructed and the legs of the chairs, links connecting the bottoms of the legs, the ends of the parallel parts of the swinging platform, the bottom ends of the parallel sides of the chair-backs, and hangers for suspending the platform and chairs are jointly and pivotally connected by rods extending horizontally from one side of the swinging platform to the other.

The numerals 10 designate the mating parallel wooden side pieces of the rigid frame. It is obvious they may vary in size and weight as desired. They are rigidly connected by cross-pieces 11, fixed against their ends, and cross-pieces 12, fixed to their bottom edges at some distance from their ends. Auxiliary benches or frames composed of uprights 13 and top pieces 14 are fixed to the outsides and end portions of the side pieces 10 for sup-

porting the swinging platform and chairs connected with the platform. Braces 15 are fixed to the ends of the cross-pieces 12 and the central portions of the top pieces 14.

The swinging platform is composed of two mating side bars 16 and a plurality of cross-bars 17, fixed on the said side bars. The chairs are composed of parallel upright front legs 18, inclined rear legs 19, pivoted at their upper ends to the upper portions of the front legs 18, parallel side pieces 20 of the back rigidly connected at their lower end portions by a cross-bar 20 $\frac{1}{2}$, pivoted to the lower ends of the front legs 18, mating arms 21, pivoted to the central portions of the side pieces 20 of the back and adjustably connected with the tops of the front legs 18, and seats 22, pivotally connected with the upper portions of the front legs 18. The lower ends of each pair of the legs 18 and 19 are pivotally connected by means of straight links 23, and the rear ends of the links 23 and legs 19 are pivotally and jointly connected with hangers 24 by means of a single rod 25, that has a head at one end and a screw and nut at the other end.

The lower ends of the front legs 18 of the chair, the lower ends of the side pieces 20 of the back of the chair, the front ends of the links 23, the ends of the side bars 16 of the swinging platform, and the lower ends of hangers 24 are jointly and pivotally connected by a rod 26, that has a head at one end and a screw and nut at the other end. The hangers 24 are pivotally connected at their top ends with the ends of the top pieces 14 of the auxiliary benches or frames fixed to the sides of the rigid base by means of screw-bolts 27. Covers 28 are fixed on the top pieces 14 to produce a neat finish and to reinforce said benches or frames, upon which the weight of the swinging platform, chairs, and persons thereon must be supported.

The seat 22 is composed of mating metal side pieces 29, jointly pivoted at their rear ends to the sides 20 of the back by means of a rod 30 and wooden cross-pieces 31, fixed on the side pieces 29.

The top ends of the rear legs 19 are jointly pivoted to the upper end portions of the front legs 18 by a rod 32, and the under sides of the side pieces 29 have notches on their under

sides adapted to engage the rod 32, as required, for adjustably connecting the front end of the seat with the said rod 31, and the arms 21 are provided with grooves on their under sides that admit the tops of the front legs 18 in such a manner that the arms can be moved forward and backward on the said front legs and detachably fastened thereto by means of pins 33, inserted in pin-holes 34 when brought into coinciding positions with pin-holes in the tops of the front legs, but not shown, or other suitable means may be used for detachably fastening the front ends of said arms to the tops of said chair-legs.

To the top end portions of the sides 20 of the chair are fixed cross-bars 35, that produce a rigid back.

Both chairs at the ends of the portable base are constructed and connected with the base and the swinging platform in like manner to be simultaneously occupied and operated.

To operate the platform and chairs as required to produce swinging motions and a delightful healthy exercise, it is only necessary for persons on the seats to press their feet upon the platform in the same manner that a person imparts motion to a common rocking-chair by pressing his feet upon the floor upon which the rockers rest.

Having thus described the construction, arrangement, and combination of all the parts, the practical operation and utility of my invention will be readily understood by persons familiar with the art to which it pertains, and

What I claim as new, and desire to secure by Letters Patent, is—

1. In a chair-swing, a rigid base, a platform, two benches fixed to the base at each side and each end portion of the base, two hangers, two upright chair-legs, a chair-seat, two links and two side pieces of a chair-back jointly pivoted to each end portion of the platform arranged and combined to operate in the manner set forth for the purposes stated.

2. In a chair-swing, a rigid base, a platform, two benches fixed to the base at each side and each end portion of the base, two hangers, two upright chair-legs, two links and two side pieces of a chair-back jointly pivoted to each end portion of the platform, a chair-seat, two inclined chair-legs pivoted at their top ends to the upper portions of the upright front legs, two hangers pivoted to the benches at their top ends and jointly pivoted at their lower ends to the lower ends of the inclined legs and the ends of the two links, arranged and combined to operate in the manner set forth for the purposes stated.

3. In a chair-swing, a rigid base, a platform, two benches fixed to the base at each side and each end portion of the base, two hangers, two upright chair-legs, two links and two side pieces of a chair-back jointly pivoted to each end portion of the platform, two inclined chair-legs, pivoted at their top ends to the upper portions of the upright front legs, two

hangers pivoted to the benches at their top ends and jointly pivoted at their lower ends to the lower ends of the inclined legs and the ends of the two links, a seat pivoted to the side pieces of the chair-backs and adjustably connected with the front upright chair-legs, arranged and combined to operate in the manner set forth for the purposes stated.

4. In a chair-swing, a chair composed of a seat and two mating upright front legs, two mating inclined rear legs pivoted at their top ends to the upper portions of the said upright front legs, links pivoted to the lower ends of the upright legs and the inclined legs, sides for a chair-back pivoted to the lower ends of the upright front legs, a rod extended through the upper end portions of the upright legs and through the upper ends of the inclined legs, a seat pivoted to the sides of the chair-back, means for adjustably fastening the seat to said rod, arms pivoted to the sides of the chair-back and means for adjustably connecting the front ends of the arms to the tops of the upright front chair-legs, and means for suspending the chair, arranged and combined to operate in the manner set forth for the purposes stated.

5. In a swing, a chair composed of two mating upright front legs, two mating inclined rear legs pivoted at their upper ends to the upper portions of the said upright front legs, links pivoted to the lower ends of the upright legs and the inclined legs, a chair-back pivoted to the lower ends of the upright legs, a seat pivoted to the sides of the chair-back, a rod extended through the upper end portions of the upright legs and also through the upper ends of the inclined legs, arms pivoted to the sides of the chair-back and means for adjustably fastening the front ends of the arms to the tops of the upright front chair-legs, arranged and combined to operate in the manner set forth for the purposes stated.

6. A portable swing comprising a rigid base composed of parallel side pieces and cross-pieces fixed thereto, benches fixed to the side pieces for supporting a platform and two chairs, a platform suspended between the side pieces of the base, hangers pivotally connected with the benches and the ends of the platform, chairs, each comprising mating side pieces of a chair-back, pivotally connected with the hangers and platform, chair-legs pivotally connected with the hangers and the platform, chair-seats pivotally connected with the side pieces of the chair-backs and chair-arms pivotally connected with the chair-backs and adjustably connected with the front chair-legs, arranged and combined to operate in the manner set forth for the purposes stated.

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