

No. 890,375.

PATENTED JUNE 9, 1908.

F. P. RATHBONE.

SWING.

APPLICATION FILED MAY 27, 1906.

2 SHEETS—SHEET 1.

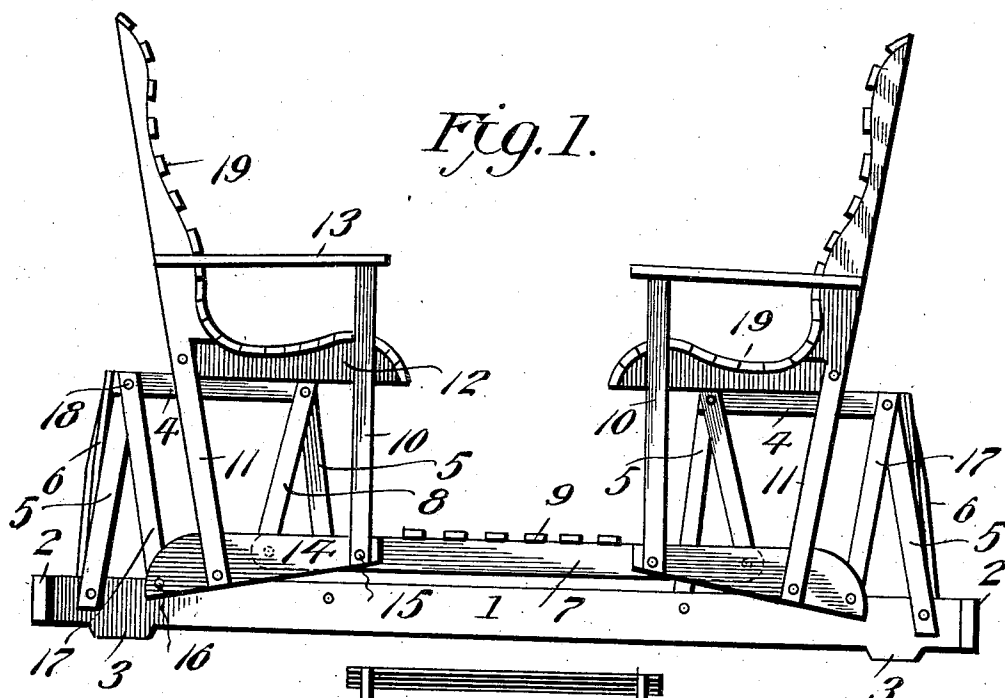
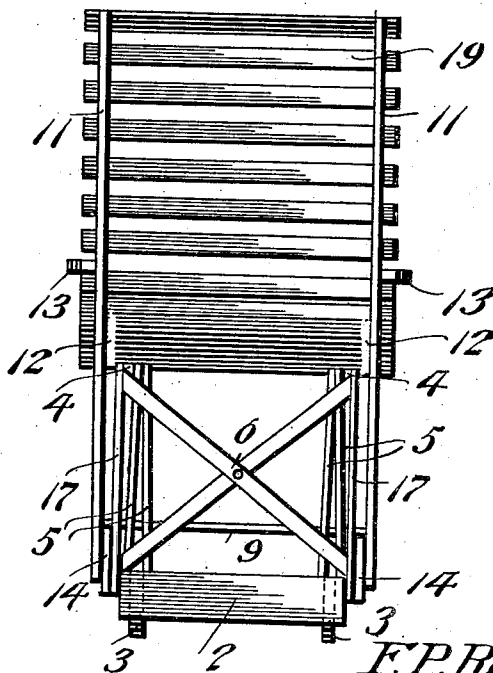


Fig. 3.



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2 SHEETS—SHEET 2.

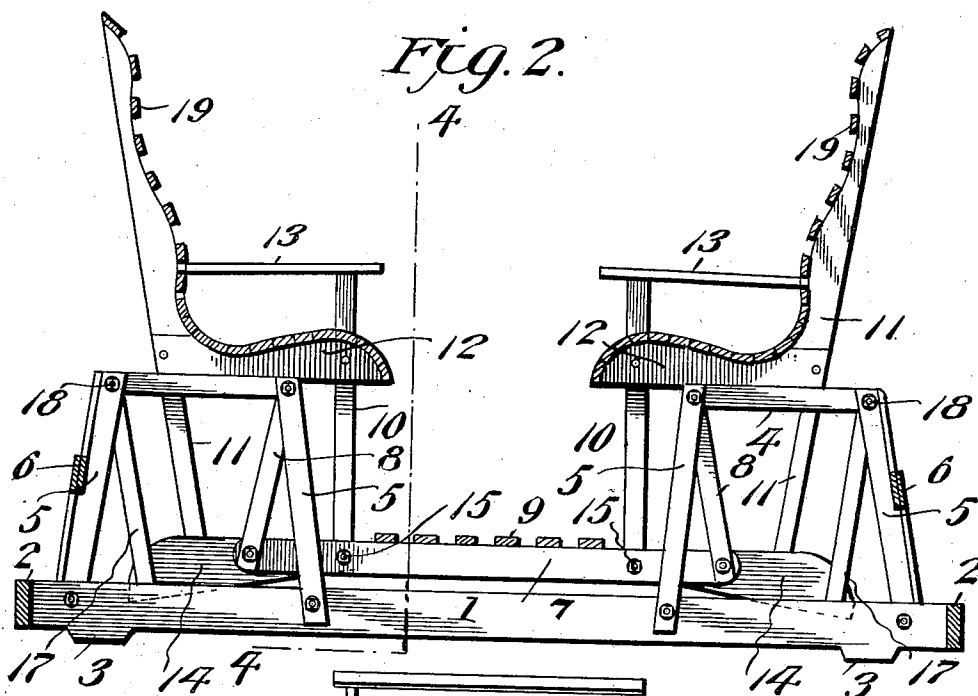
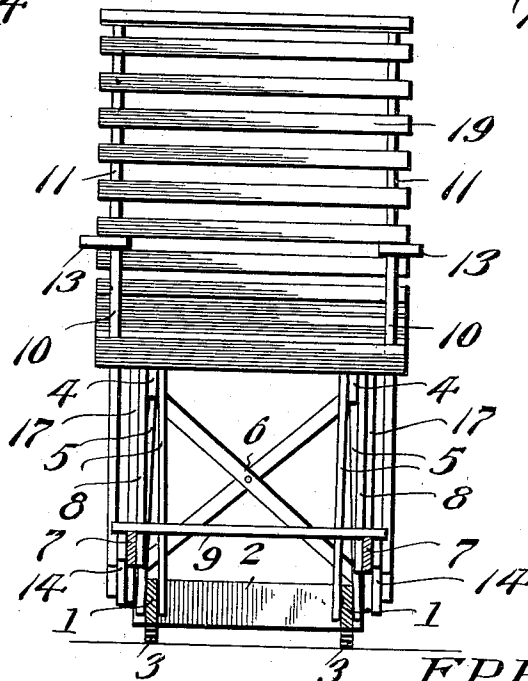


Fig. 4.



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UNITED STATES PATENT OFFICE.

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SWING.

No. 890,375.

Specification of Letters Patent.

Patented June 9, 1908.

Application filed May 27, 1905. Serial No. 262,650.

To all whom it may concern:

Be it known that I, FRANCIS P. RATHBONE, a citizen of the United States of America, residing at Red Oak, in the county of Montgomery and State of Iowa, have invented new and useful Improvements in Swings, of which the following is a specification.

This invention relates to swings, and particularly to the class of portable swings especially designed for use on porches and lawns where compactness is important and oftentimes essential.

The object of the invention is to provide a simple, cheap and attractive portable swing embodying by preference oppositely facing seats or chairs, and supporting mechanism adapting the chairs to swing or oscillate, said supporting mechanism being arranged entirely below the plane of the chair bottoms where it will be out of the way, at the same time avoiding any objectionable projections above the chair seats and the backs of the chairs to interfere with the occupants of the swing and subject them to danger while operating the swing.

A further object of the invention is to impart to the chairs, in addition to the usual swinging movement, an auxiliary rocking movement, such rocking movement being one of the special features of the invention.

With the above and other objects in view, the nature of which will more fully appear as the description proceeds, the invention consists in the novel construction, combination and arrangement of parts as hereinafter fully described, illustrated and claimed.

In the accompanying drawings:—Figure 1 is a side elevation of a double swing embodying the present invention; Fig. 2 is a vertical longitudinal section through the same; Fig. 3 is an end elevation of the swing; and Fig. 4 is a vertical cross-section on line 4—4 of Fig. 2, showing the hangers which suspend the foot platform.

Like reference numerals designate corresponding parts in all figures of the drawings.

The swing contemplated in this invention comprises essentially a base or stationary supporting frame comprising parallel longitudinal bars 1 and cross-bars 2 connecting the same rigidly, said frame being adapted to rest directly on the floor or ground and, if desired, provided with feet 3 to sustain the frame at a suitable elevation.

At a suitable distance above the base

frame and extending horizontally just beneath the seats of the chairs hereinafter more particularly described, are two sets of parallel carrying bars 4, one pair for each chair, said carrying bars being supported by suitable legs or braces 5, a pair of said legs being used for each top carrying bar 4 and being connected by transverse cross braces 6 to impart rigidity to the carrying frames as a whole.

A foot platform comprising parallel side bars 7 is pivotally suspended from the carrying bars 4 by means of hangers 8 in the form of links pivotally connected at their upper ends to the bars 4 and pivotally connected at their lower ends to the side bars 7 of the foot platform. The side bars 7 are connected by cross slats or a flooring 9 located between the seats. Each seat or chair comprises front legs 10, back uprights 11, seat supporting rails 12 and arm rests 13, said parts being bolted or otherwise rigidly connected together, while the lower ends of the legs and back uprights are bolted or otherwise rigidly secured to oppositely located rockers 14, each of said rockers being pivotally connected at its forward end, at 15, to the adjacent end portion of the foot platform. The opposite or outer end of each rocker 14 is pivotally connected, at 16, to the lower end of a hanger 17 which is pivotally connected at its upper end, at 18, to one of the carrying bars 4, the hangers 17 being longer than the hangers 8 so as to impart a rocking movement to the chairs as they swing back and forth. The seat frame and the back frame of the chair are provided with slat carrying edges described on suitable compound curves to give comfort and ease to the occupant of the chair and afford firm support for the small of the back and shoulders of the occupant, and cross slats 19 are secured to said parts to complete the chairs.

By the construction above described, the entire supporting or carrying mechanism upon which the chairs are suspended and adapted to swing, is located entirely beneath the chair seats where it is out of the way affording no projection above the chairs or at the sides thereof. As the platform swings back and forth the chairs are carried thereby and as the rockers are pivotally supported at their outer ends by independent hangers, it will be seen that the outer ends of the rockers rise and fall as the platform oscillates or swings; thus in addition to the usual

swinging movement of the chairs, a rocking movement is imparted thereto adding materially to the attractiveness of the swing.

The swing as a whole occupies a minimum amount of floor space and is especially adapted to the use of children, the liability of injury being greatly reduced as compared with the ordinary portable swings now on the market.

10 Having thus fully described the invention, what is claimed as new, is:—

15 A swing comprising a stationary supporting frame, carrying frames rigidly connected to and supported above the stationary frame, a foot platform, said platform including side bars disposed outwardly beyond the adjacent members of the stationary supporting frame, platform hangers connecting the ends of said foot platform with the inner ends of

a carrying frame, rockers pivotally connected 20 at their forward ends between the respective ends of the foot platform, said rockers extending beyond the ends of said platform, hangers connecting the free ends of the rockers and the outer ends of the carrying frame, 25 and chairs overlying the carrying frames, the forward ends of said chairs being supported on the pivotal connection of the rockers and foot platform, and the rear ends of said chairs being supported solely by the 30 rockers forward of their connection by the hangers.

In testimony whereof, I affix my signature in presence of two witnesses.

FRANCIS P. RATHBONE.

Witnesses:

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