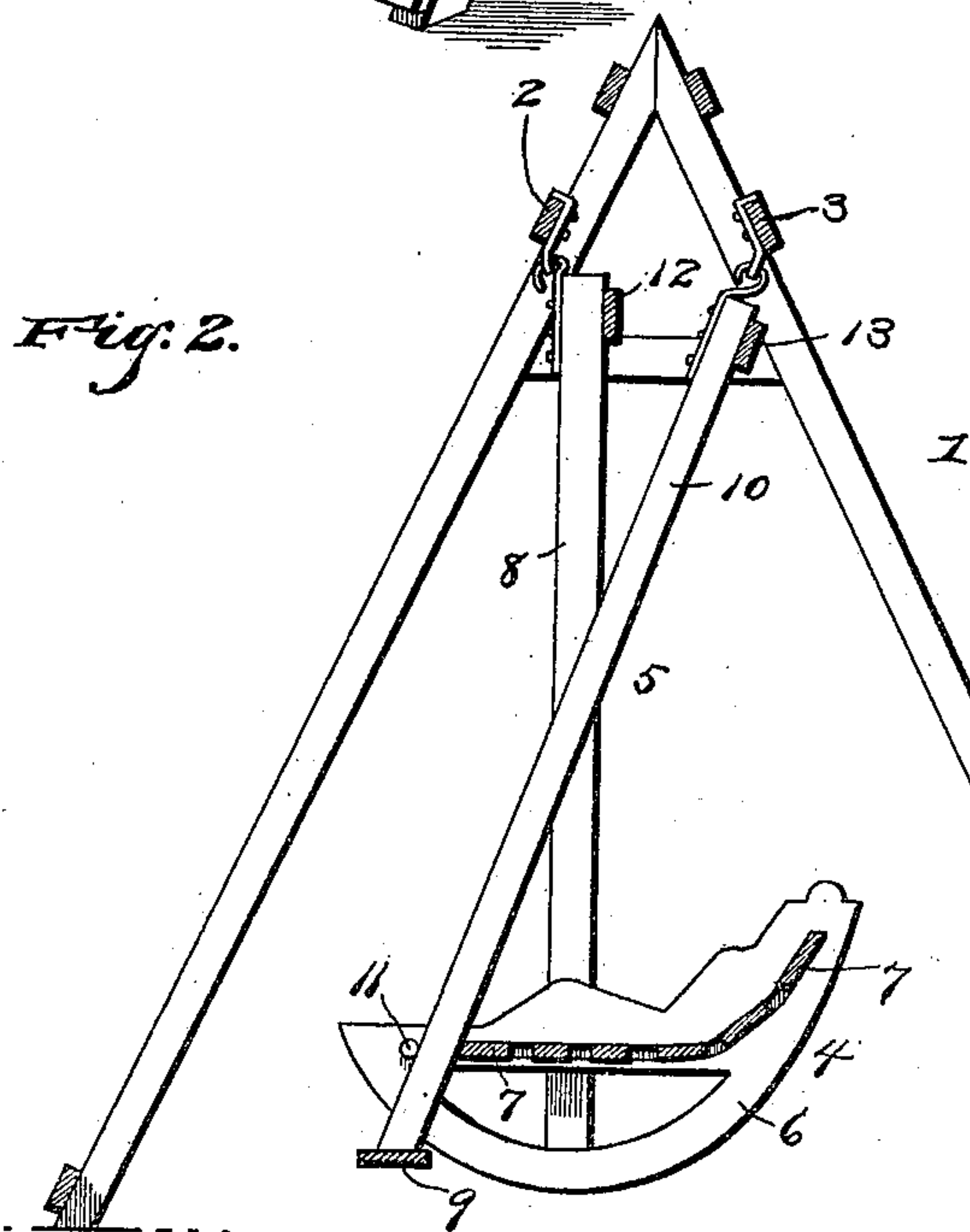
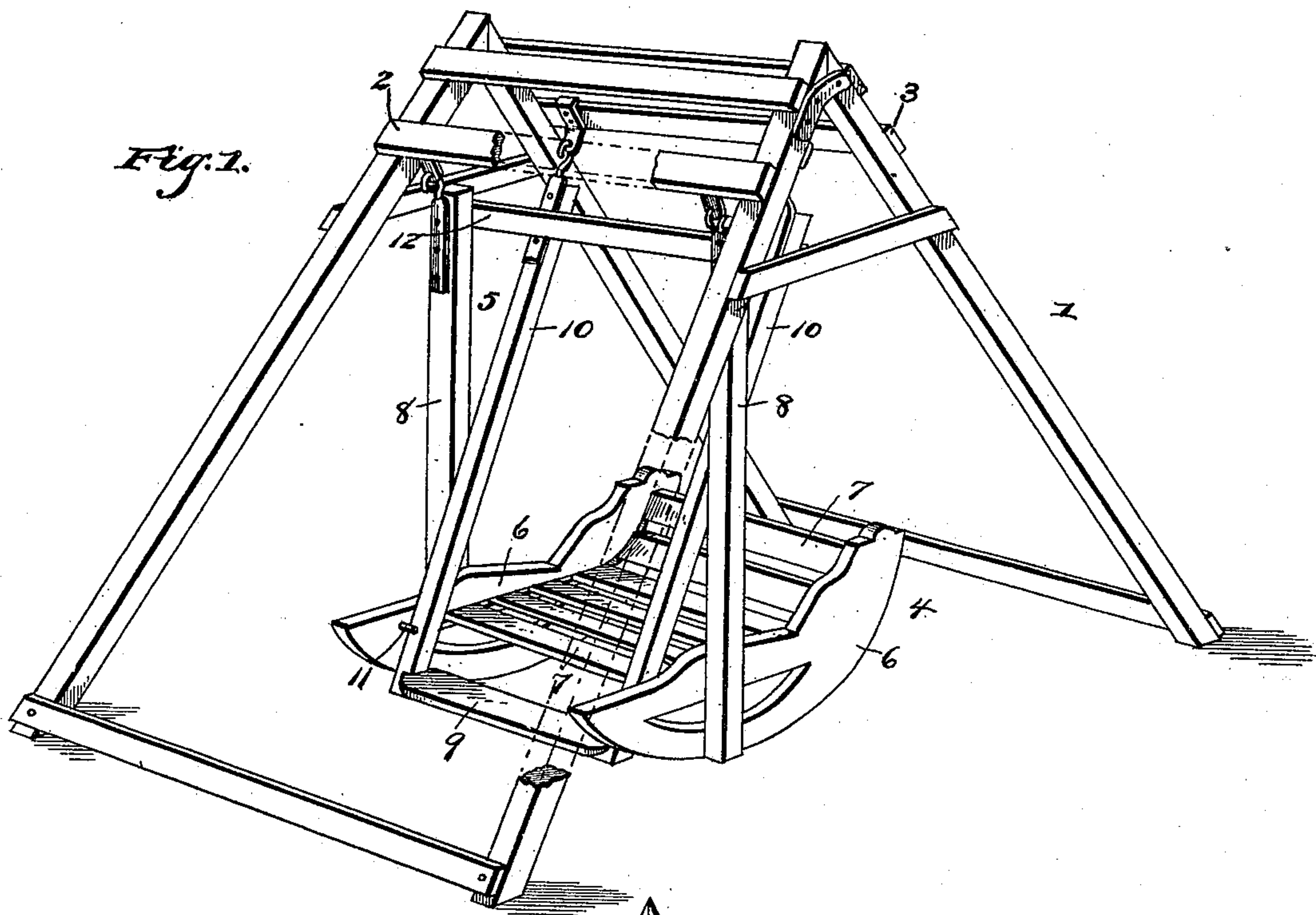


(No Model.)

J. J. BRYDSON & J. A. GREATHOUSE.  
SWING.

No. 502,610.

Patented Aug. 1, 1893.



Witnesses

*B. S. Ober*  
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*J. J. Brydson, and*  
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# UNITED STATES PATENT OFFICE.

JOHN J. BRYDSON AND JOHN A. GREATHOUSE, OF TEMPLE, TEXAS.

## SWING.

SPECIFICATION forming part of Letters Patent No. 502,610, dated August 1, 1893.

Application filed November 30, 1892. Serial No. 453,640. (No model.)

*To all whom it may concern:*

Be it known that we, JOHN J. BRYDSON and JOHN A. GREATHOUSE, citizens of the United States, residing at Temple, in the county of Bell and State of Texas, have invented a new and useful Swing, of which the following is a specification.

The invention relates to improvements in swings.

10 The object of the present invention is to simplify and improve the construction of swings and to provide an inexpensive one which may be readily operated by the feet of the person using it.

15 The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings and pointed out in the claims hereto appended.

20 In the drawings—Figure 1 is a perspective view of a swing constructed in accordance with this invention. Fig. 2 is a vertical longitudinal sectional view.

Like numerals of reference indicate like parts in both figures of the drawings.

25 1 designates a triangular supporting frame provided near its apex with front and rear supporting bars 2 and 3 from which are suspended a seat 4 and a propelling frame 5.

30 The seat which may be of any desired construction is composed of segmental sides 6 and connecting slats 7 and it is suspended from the front cross-bar 2 by pendulum bars 8 which have their lower ends secured to the sides of the seat and their upper ends hinged to the horizontally disposed cross-bar 2. The propelling frame is composed of a foot rest 9 arranged below the seat, and similar side bars 10 having their lower ends connected by the foot rest and extending upward from the foot rest and crossing the pendulum bars 8 and extending rearward and having their upper ends hinged to the rear cross-bar 3. The propelling frame 5 is independent of the seat and is arranged in ways thereof formed by projections 11, which are arranged in advance of the front slat of the seat; and the side bars 10 are arranged adjacent to the inner faces of the segmental sides 6 between the front

slat and the projections 11. The ways thus formed cause the propelling frame to slide longitudinally on the seat without swinging outward away from the seat. The pendulum bars and the side bars 10 are preferably connected and embraced at their upper ends by cross-bars 12 and 13.

In the accompanying drawings a triangular supporting frame is shown but the swing may be suspended from any other suitable support or may be used in a room and suspended from the ceiling; and we desire it to be understood that changes in the form, proportion and minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

What we claim is—

1. The combination with a support, of a seat provided with ways, pendulum bars hinged at their upper ends to the support and having their lower ends secured to the seat, a foot rest, independent of the seat side bars arranged in said ways and having their lower ends secured to the foot rest and extending upwardly and rearwardly therefrom and crossing the pendulum bars and having their upper ends hinged to the support in rear of the upper ends of the pendulum bars, substantially as described.

2. The combination with a support, of a seat composed of segmental side pieces and connecting slats and provided on the inner faces of the side pieces in advance of the slats with projections forming with the adjacent slat ways, pendulum bars having their lower ends secured to the seat and their upper ends hinged to the support, a foot rest independent of the seat and arranged in advance of the same and side bars secured at their lower ends to the foot rest and arranged in said ways and extending rearward and crossing the pendulum bars and having their upper ends hinged to the support, substantially as described.

3. The support or framework, combined with the seat, pendulum bars rigidly attached to the seat and hinged at their upper ends to the support or framework, the bars 10 also

hinged to the framework in rear of the point  
of attachment of the pendulum bars, crossing  
the latter at an intermediate point and hav-  
ing their lower ends connected by a foot bar  
5 9 independent of and arranged below the seat  
and moving between the side bars thereof, as  
set forth.

In testimony that we claim the foregoing as

our own we have hereto affixed our signatures  
in the presence of two witnesses.

J. J. BRYDSON.  
J. A. GREATHOUSE.

Witnesses:  
SOLOMON GLUCK,  
A. W. LONG.