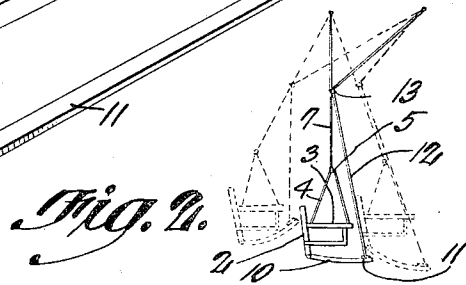
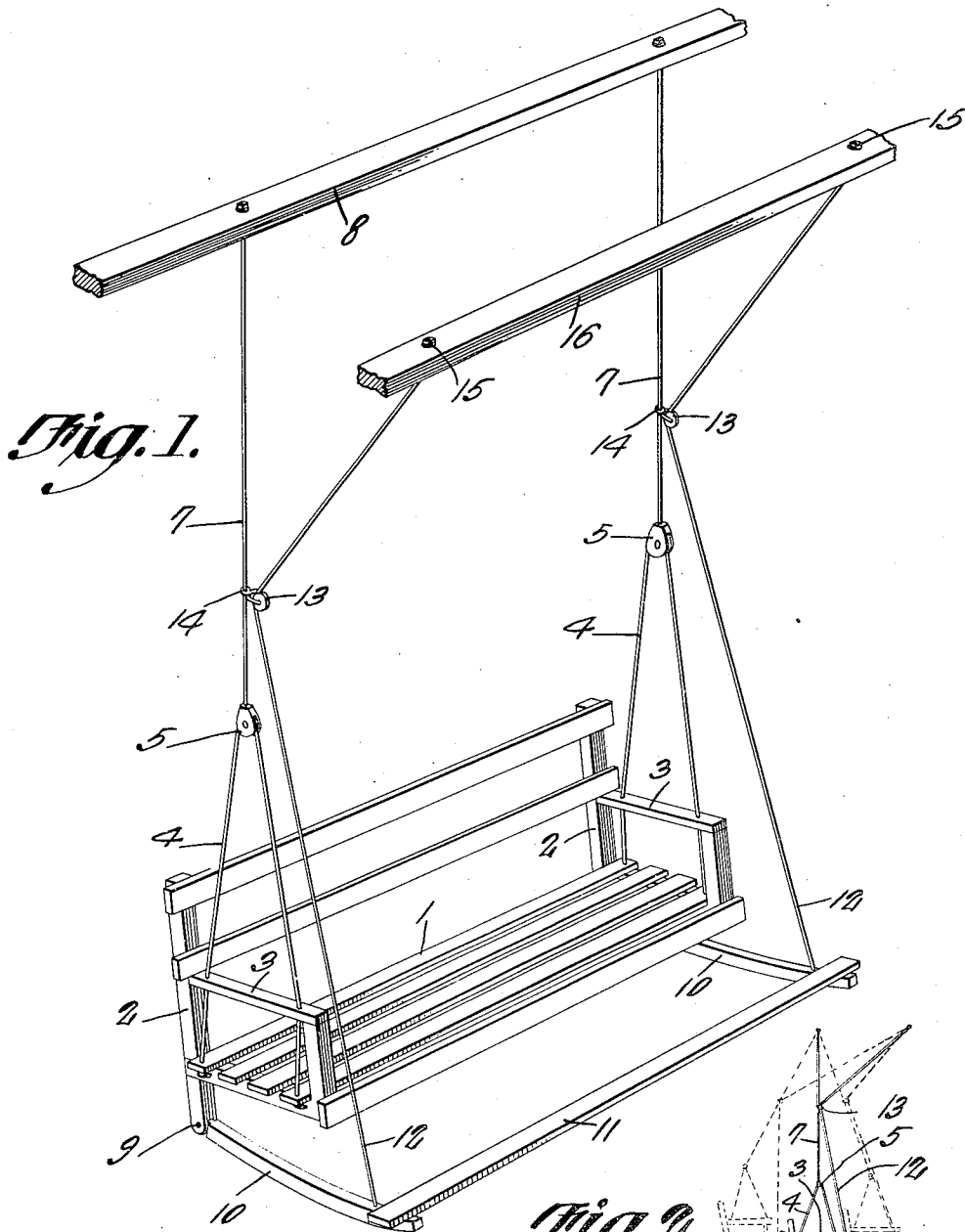


W. B. ATKINSON.
 SWING.
 APPLICATION FILED NOV. 9, 1912.

1,065,291.

Patented June 17, 1913.



Witnesses

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UNITED STATES PATENT OFFICE.

WILLIAM B. ATKINSON, OF BOWLING GREEN, KENTUCKY.

SWING.

1,065,291.

Specification of Letters Patent.

Patented June 17, 1913.

Application filed November 9, 1912. Serial No. 730,472.

To all whom it may concern:

Be it known that I, WILLIAM B. ATKINSON, a citizen of the United States, residing at Bowling Green, in the county of Warren and State of Kentucky, have invented a new and useful Swing, of which the following is a specification.

The present invention relates to improvements in swings, the primary object of the invention being the provision of a novel construction of supporting means for a swing embodying a foot actuated means for producing the desired swinging motion by the occupant.

With the foregoing and other objects in view which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein disclosed can be made within the scope of what is claimed without departing from the spirit of the invention.

In the drawings Figure 1 is a perspective view of a complete swing made according to and embodying the present invention. Fig. 2 is a view showing the extreme positions of the supporting cables and operating levers during the swinging operation.

Referring to the drawings, the numeral 1 designates the seat of the swing which supports the two corner posts 2 which are of such a length as to project above and below the seat. Connected to the post 2 and also to the seat, are the two arms 3 while connected to the seat and threaded through each arm is a looped cable 4, each one of which is supported in its primary pulley block or sheave 5 connected to and carried by the lower ends of the suspension or supporting cables 7, each of said cables being connected at their upper ends to the supporting bar 8, which is indicative of any form of support.

Pivoted in the lower end of the post 2 below the seat by means of the pin or bolt or other fastening 9, is a curved treadle or lever 10, which is of sufficient length to extend normally beyond the front edge of the seat so that when the two treadles 10 are connected together by means of the foot rest or plate 11, said foot rest or plate will be in

a position for comfortable engagement with the feet of the occupant of the seat. Having its lower ends connected to the respective treadles or levers 10 adjacent to the foot rest 11, are two actuating cables 12, which are threaded through the secondary pulley blocks or sheaves 13, connected at a fixed point 14 to the supporting cables 7, the upper ends 15 of the respective cables 12 being made fast to the support 16, which is also indicative of any form of support.

From the foregoing description, taken in connection with the drawings, it is evident that an occupant upon the seat 1 with his feet resting upon the foot rest 11 produces a flexing action upon the suspension cables 7, when the plate 11 and the treadles 10 are pushed downwardly, at the connection 14, that tends to cause the primary blocks to traverse the looped cables and to advance the point of pull with respect to the seat. Thus upon the extreme forward position, the foot rest 11 will be in its lowermost position with the legs of the occupant stretched, while the extreme rearward position will cause the foot rest 11 to approach the seat causing the legs of the operator to assume a bending position.

What is claimed is:

In a swing, a seat; a looped cable secured at its ends to the seat; a primary pulley block mounted to ride along the cable; a suspension cable secured to the pulley block; a secondary pulley block secured to the suspension cable above the primary pulley blocks; a treadle pivotally supported by the seat; an actuating cable secured to the treadle and rove through the secondary block; and means for supporting the suspension cable and the actuating cable; the actuating cable constituting means for flexing the suspension cable, thus to cause the primary block to traverse the looped cable and to advance the point of pull with respect to the seat.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

WILLIAM B. ATKINSON.

Witnesses:

AMON H. JENKINS,
ELLIS DRAPER.