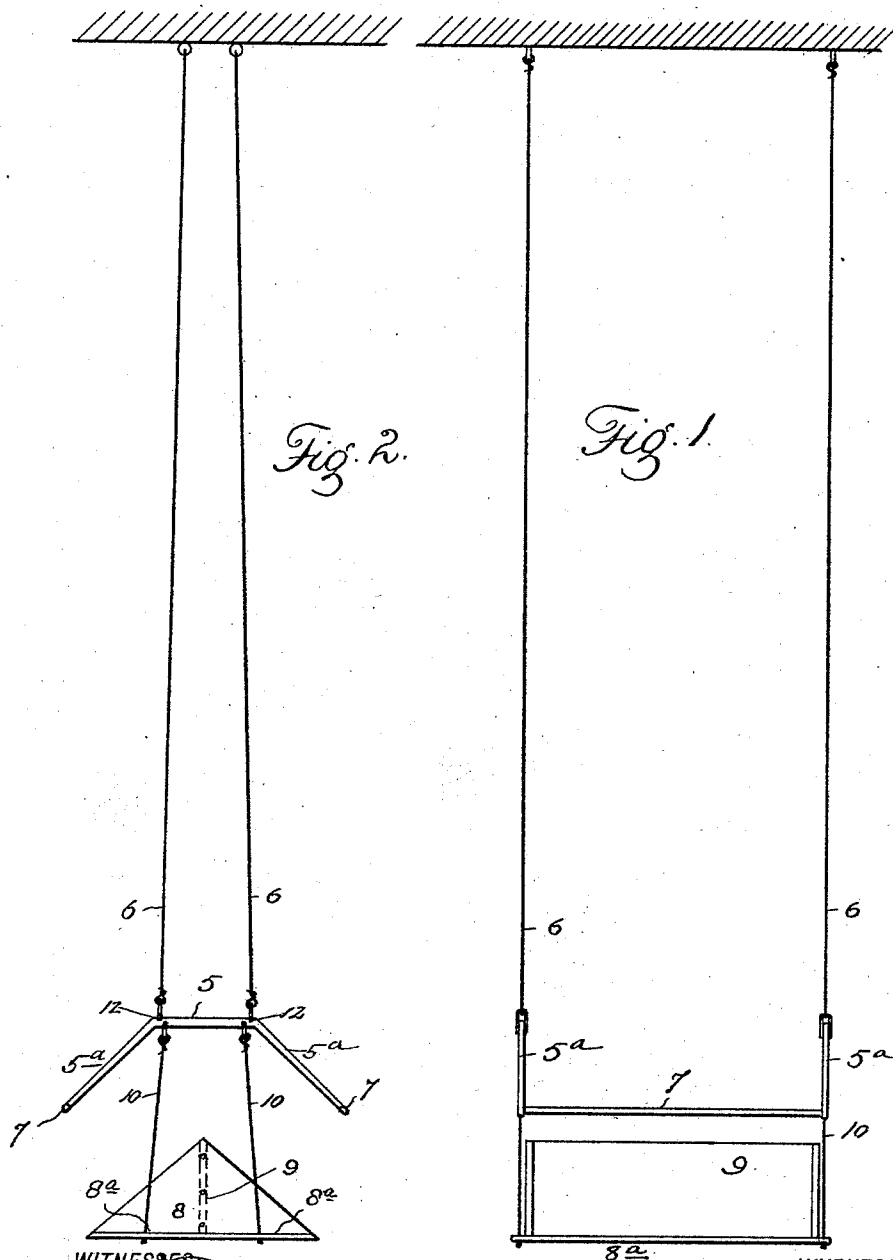


(No Model.)

W. R. WILCOX.
SWING.

No. 497,259.

Patented May 9, 1893.



WITNESSES
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WILLIAM R. WILCOX, OF RIDGWAY, COLORADO.

SWING.

SPECIFICATION forming part of Letters Patent No. 497,259, dated May 9, 1893.

Application filed December 10, 1892. Serial No. 454,803. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM R. WILCOX, a citizen of the United States of America, residing at Ridgway, in the county of Ouray and State of Colorado, have invented certain new and useful Improvements in Swings; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form a part of this specification.

My invention relates to improvements in swings of the lever class and the object of the invention is to provide a double swing of this class in which the increased capacity is more than commensurate with the increase in cost as compared with a single swing constructed on a similar principle.

The improvement consists of the features hereinafter described and claimed and will be fully understood by reference to the accompanying drawings in which is illustrated an embodiment thereof.

In the drawings, Figures 1 and 2 are front and side elevations respectively of the swing.

In these views similar reference characters indicating corresponding parts or elements of the mechanism in the several views let the numeral 5 designate a double lever suspended by two ropes, cords or rods 6, which are inclined toward each other from their points of attachment to the levers to their points of attachment to the overhead support. There are two of these levers, one on each side of the swing as shown in Fig. 1. Each lever is provided with two oppositely-disposed depending arms 5^a. The adjacent arms 5^a of the two levers are connected by rods or bars 7. A double seat 8 having a central back 9 is attached to the levers by suitable rods or cords 10. Each half 8^a of the seat is designed to accommodate one or more persons sitting back to back or facing in opposite directions.

Those occupying each half of the seat grasp one of the lever bars 7.

The oscillation is commenced and continued as follows:—Those in one side of the seat begin to pull, while those in the opposite side push simultaneously upon bars 7, whereby two of the ropes are slackened and the weight thrown upon the other pair of ropes attached at corresponding points to the opposite levers. The seat will then move in a direction to bring the center of gravity directly beneath or in a perpendicular plane with the points of suspension of said cords or rods, and the momentum will carry the seat somewhat farther. The pulling and pushing upon the hand parts 7 are then reversed by the occupants of the swing, when the seat moves in the opposite direction, each movement being farther than the preceding one until the oscillation of the seat is sufficient to satisfy those using the swing. It will be observed that the levers are fulcrumed at the points 12 where the suspension cords or rods 6 are attached to the levers, said fulcrums being alternately changed as the direction of movement changes during the seat's oscillation.

Having thus described my invention, what I claim is—

In a double swing the combination of two levers one on each side of the swing, each lever having two oppositely-disposed depending arms, the adjacent arms of the two levers being connected by a hand piece, suspension ropes, attached to the levers, the two ropes on the same side being inclined toward each other from their points of attachment to the levers, to their points of attachment to the overhead support, and a suitable seat suspended from the levers, substantially as described.

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

WILLIAM R. WILCOX.

Witnesses:

WM. McCONNELL,
C. F. McKENNEY.