

No. 845,602.

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S. W. WOMACK.

SWING.

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Fig. 1.

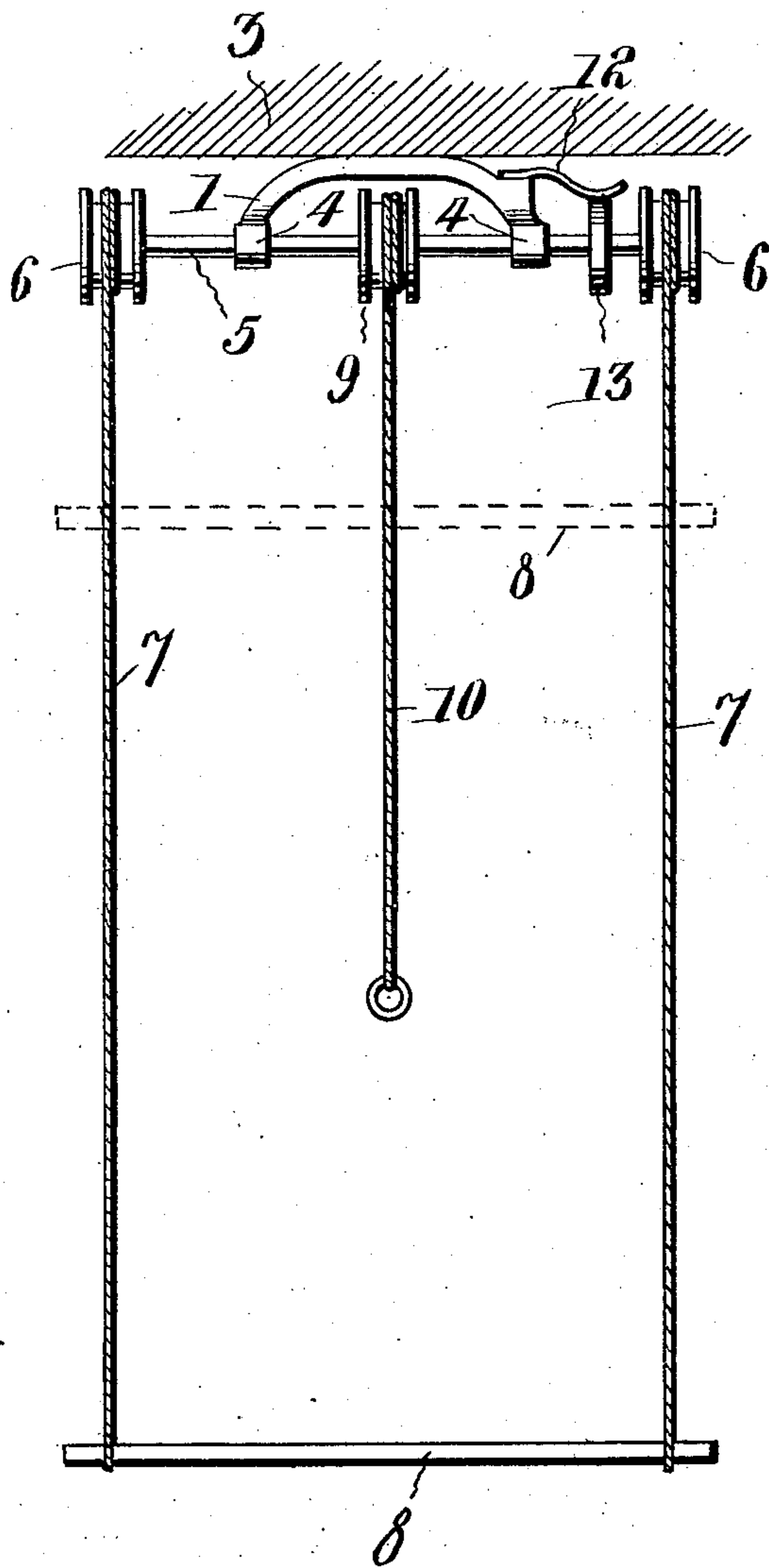
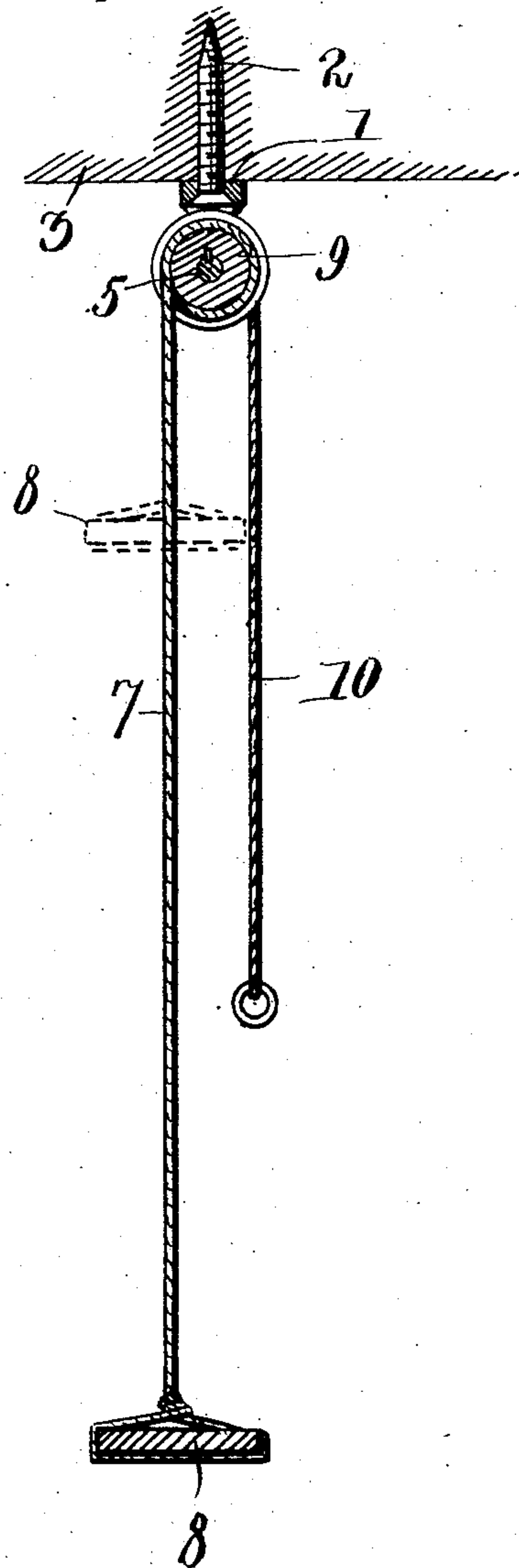


Fig. 2.



Witnesses

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SWING.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, SAMUEL WILLEY WOMACK, a citizen of the United States, residing at Laramie, in the county of Albany and State of Wyoming, 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 ap-
10 pertains to make and use the same.

My invention relates to improvements in swings of that class which are suspended from a ceiling or other elevated support.

The object of the invention is to provide a
15 simple and practical device of this character which when not in use may be elevated and supported adjacent to the ceiling.

With the above and other objects in view the invention consists of certain novel fea-
20 tures of construction, combination, and arrangement of parts hereinafter described and claimed.

In the accompanying drawings, Figure 1 is a front elevation of my improved swing, showing it in its lowered position in full lines and in its elevated position in dotted lines; and Fig. 2 is a vertical sectional view through the same, also showing the two positions of the swing in full and dotted lines.

Referring to the drawings by numeral, 1 denotes a supporting-bracket which is adapted to be secured by a screw 2 or other suitable fastening means to a ceiling or similar elevated support 3. The bracket 1 is formed
35 flat on top and at its ends with two downwardly-curved arms provided with bearings 4 for a horizontal shaft 5. The screw 2 projects upwardly from said flat surface for holding the bracket firmly against the ceiling after the flat surface has engaged therewith, so as to prevent the swiveling or turning of the bracket on its support or fastening. The shaft 5 has upon its ends winding-drums 6, to which are secured and upon which are wound
45 the upper ends of cords, cables, or other similar flexible connections 7, which have their lower ends connected to the seat 8 of the swing. The seat may be of any desired form and construction.

Upon the central portion of the shaft 5 is provided a third winding-drum 9, to which is secured and upon which is wound in an opposite direction from that in which the cables 7 are wound a cord or cable 10, which
55 is used for raising and lowering the seat 8.

When said seat is in its lowered position ready for use, the lower end of the elevating cord or cable 10 hangs just within convenient reach, and when said cord 10 is drawn upon and unwound from its drum 9 the cords or
60 cables 7 will be wound upon the drum 6 to elevate the swing-seat 8 to its dotted-line position shown in the drawings. In order to hold the seat 8 in its elevated position, I preferably provide upon the bearing-bracket
65 1 a spring 12, which bears upon a collar 13 upon the shaft 5. One of the arms of the bracket is preferably provided with a seat or shoulder upon which the inner end of the spring is rigidly secured in any manner, and
70 the spring preferably extends longitudinally of the shaft, so that its free end is free to move slightly laterally in each direction as the shaft 5 and collar 13 are oscillated when the swing is being used. This causes the
75 spring to exert a uniform pressure when the collar is moving in either direction, which is not the case with springs that are adapted to wholly or partially encircle the surface with which they engage, for with the latter con-
80 struction the spring is apt to be drawn into closer contact when the collar is rotated in one direction. The tension of this spring is sufficient to hold the shaft against move-
85 ment, and thus retain the cables 7 wound upon the drum 6 and the seat in its raised or elevated position.

From the foregoing description, taken in connection with the accompanying drawings the construction, operation, and advantages
90 of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion, and the minor details of construction may be
95 resorted to without departing from the principle or sacrificing any of the advantages of the invention, as defined by the appended claim.

Having thus described my invention, what
100 I claim as new, and desire to secure by Letters Patent, is—

In a swing, a bracket having a flat top and two downwardly-extending arms, each of which arms is provided at its end with a
105 bearing and one of them is provided with a shoulder, a shaft in said bearings, three drums on said shaft, one at each end and one at the middle, a flexible member wound upon each drum, the one at the center being wound
110

oppositely to those at the ends, a seat secured
to the lower ends of said end members, a col-
lar on the shaft, a spring secured at one end
to said shoulder and having its free end rest-
5 ing upon said collar, and fastening means ex-
tending upwardly from the center of the flat
surface of the bracket.

In testimony whereof I have hereunto set
my hand in presence of two subscribing wit-
nesses.

SAMUEL WILLEY WOMACK.

Witnesses:

R. G. FITCH,

C. D. SPALDING.