

(No Model.)

2 Sheets—Sheet 1.

W. E. ELLIOTT.
RECLINING SWING.

No. 602,065.

Patented Apr. 12, 1898.

FIG. 4.

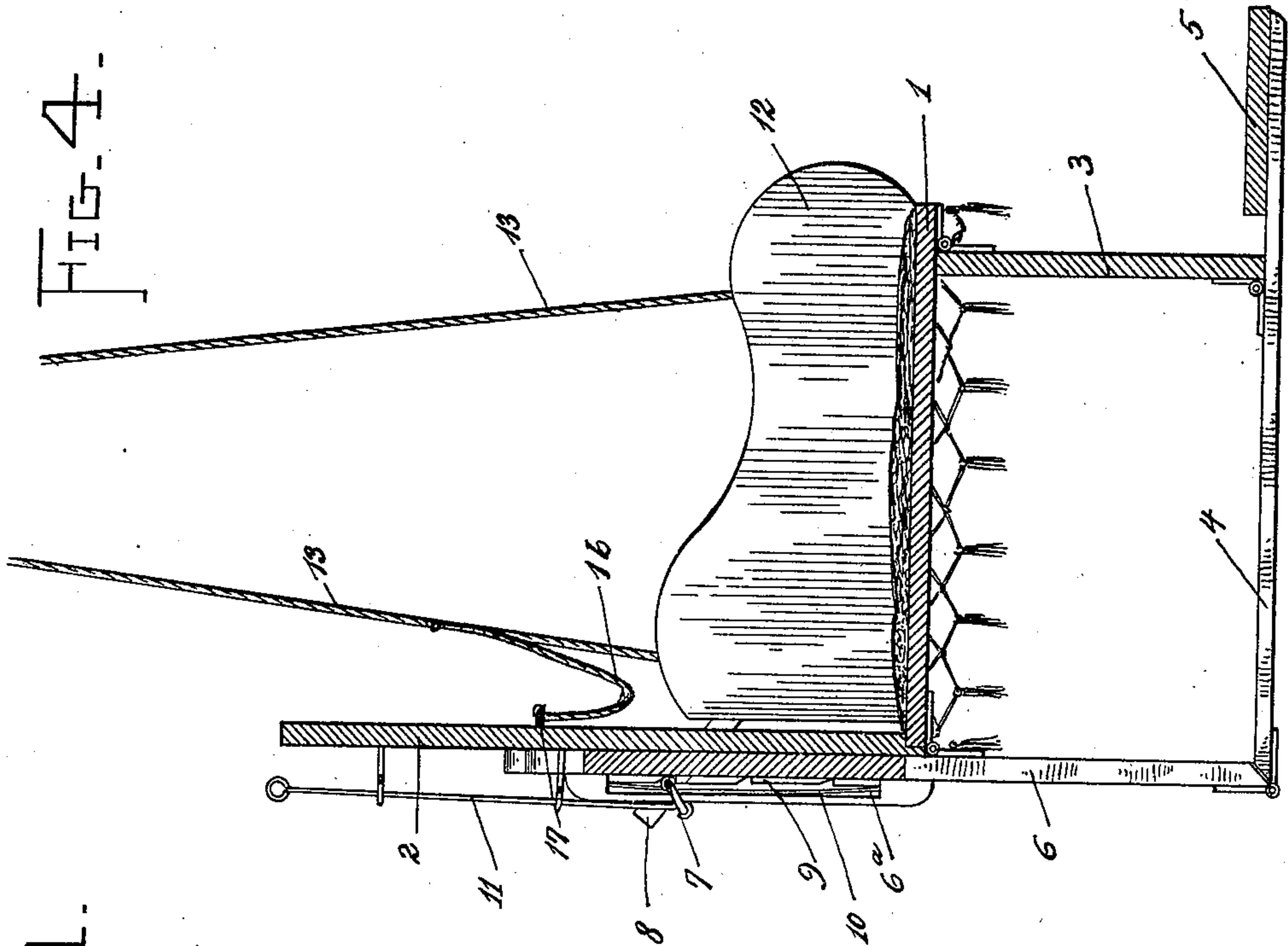
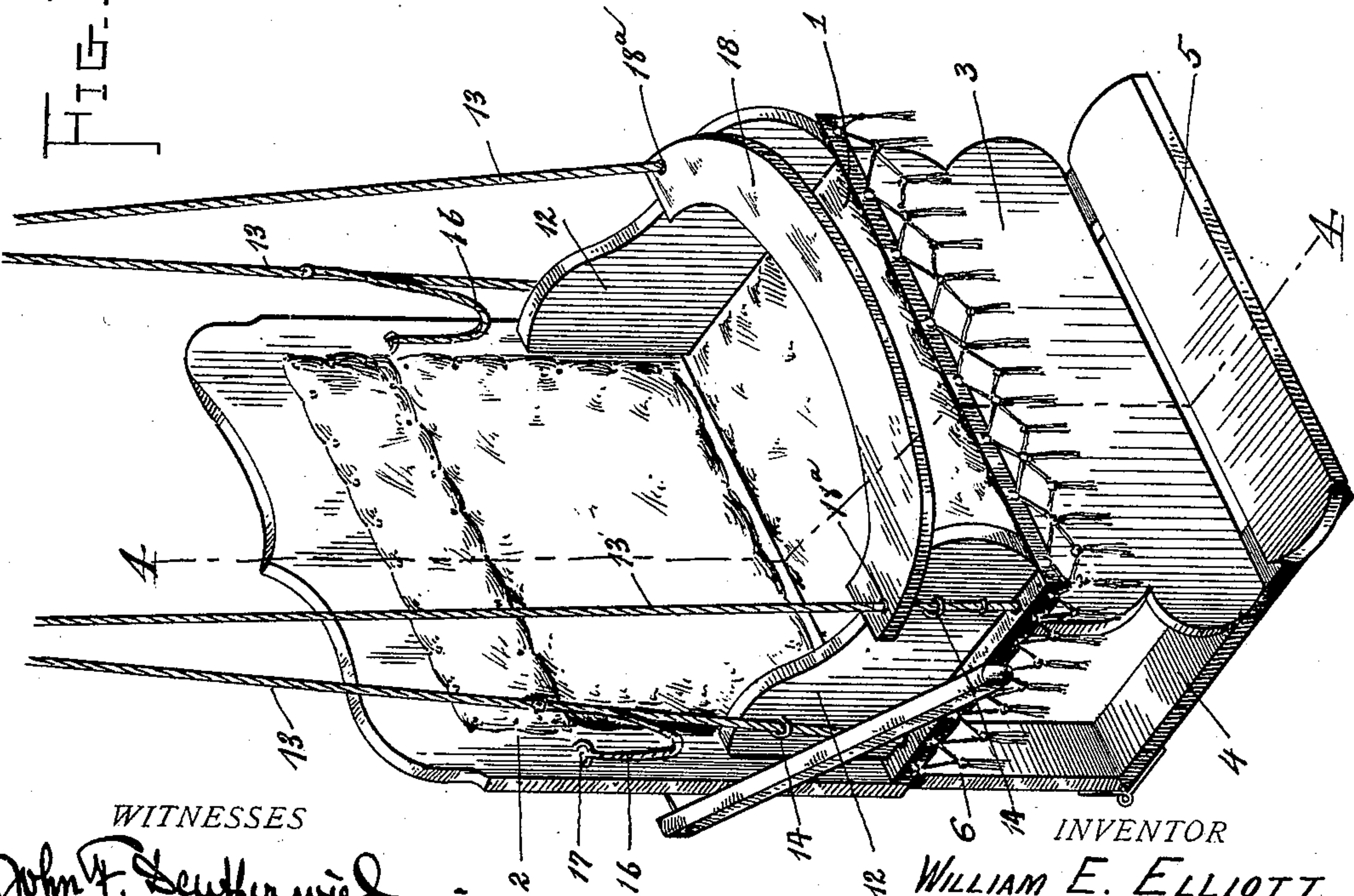


FIG. 1.



WITNESSES

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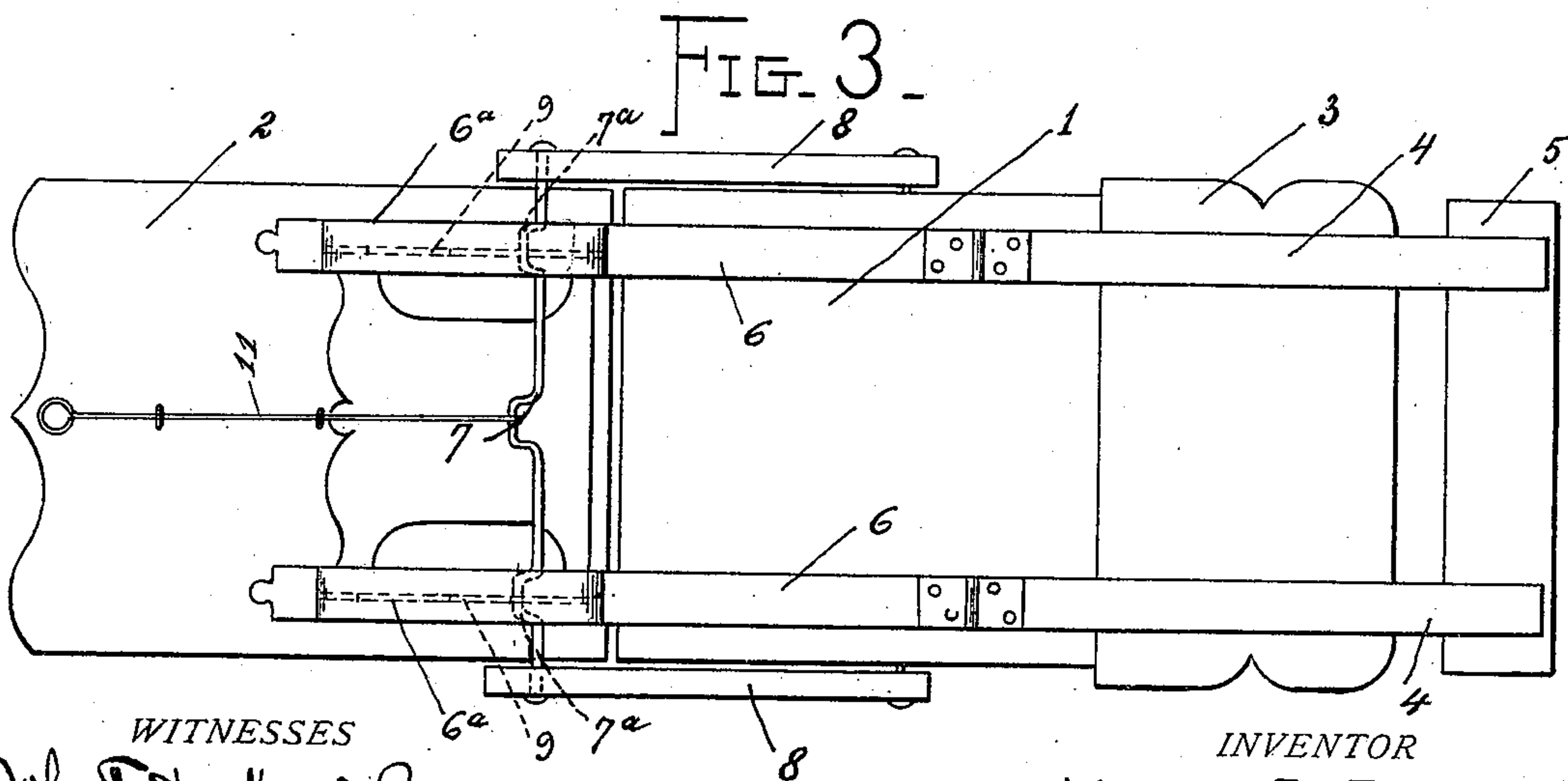
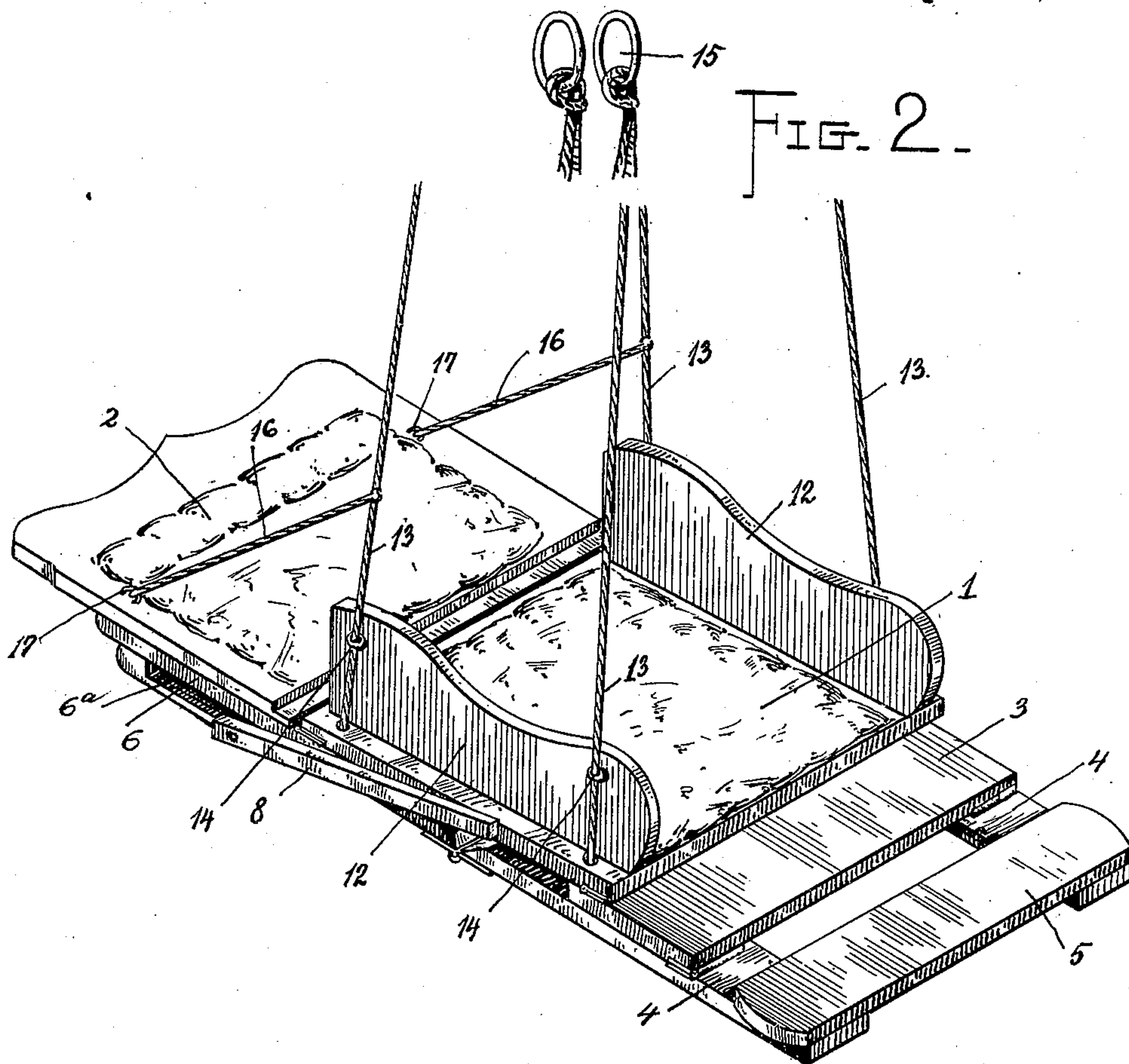
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2 Sheets—Sheet 2

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WITNESSES

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UNITED STATES PATENT OFFICE.

WILLIAM E. ELLIOTT, OF BRASHEAR, MISSOURI.

RECLINING-SWING.

SPECIFICATION forming part of Letters Patent No. 602,065, dated April 12, 1898.

Application filed February 20, 1897. Serial No. 624,336. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM E. ELLIOTT, a citizen of the United States, residing at Brashear, in the county of Adair and State of Missouri, have invented certain new and useful Improvements in Reclining-Swings; and I do hereby 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.

My invention relates to certain new and useful improvements in swings, and particularly to that class known as "reclining-swings," the object being to provide a swing of this character which shall be capable of being easily moved to place its parts in varying positions of comfort for the user.

My invention consists in certain novel features of construction and in the arrangement of the parts whereby certain important advantages are gained in a simple, durable, and inexpensive manner, as will be hereinafter fully described, and specifically defined in the appended claims.

In the accompanying drawings, Figure 1 represents a perspective view of a swing embodying my invention, the parts being arranged to form a chair. Fig. 2 is a similar view showing the parts extended to form a couch. Fig. 3 is a bottom view of the swing, showing the parts as in Fig. 2; and Fig. 4 is a section through the line 4 4 of Fig. 1.

Similar reference-numerals indicate corresponding parts in all the figures.

1 represents the seat, which is shown as substantially rectangular in form, having hinged to its rear edge the back 2 and to its front edge a downwardly-projecting extension 3, which is hinged to parallel bars 4, to the outer ends of which is securely fastened a foot-rest 5. These bars 4 extend rearwardly under the seat 1 and are hinged to similar bars 6, which are fastened securely to the back 2, these latter being provided near their upper ends with slots or guideways 6^a, through which a crank-rod 7 passes, the outer ends of which rod connect with arms 8, that are pivotally connected to the sides of the seat 1.

The rod 7 is bent near its outer ends to form cranks 7^a, which are adapted to engage locking devices, shown as racks 9, arranged within the slot 6^a, and the teeth of which en-

gage with the bent portions of the rod 7, and thus keep the seat firmly secured against falling backward, springs 10, located within these slots 6^a and immediately behind the rod 7, serving to keep the bent portions thereof in positive engagement with the teeth of the rack, as clearly shown. The intermediate portion of the rod 7 is also bent to form a crank, which is preferably arranged at right angles to the cranks 7^a, and a rod 11 is connected to this crank, being held in place in guide-eyes located in the back of the seat, its upper extremity being provided with a handle or other convenient device to be grasped by the hand in raising or lowering it to operate the crank-rod 7. The rod 7 is journaled between the opposite ends of the arms 8 and adapted to move within the guideways 6^a.

Side pieces 12 are arranged at each side of the seat and are retained in place thereon by the ropes 13, the said ropes being securely fastened to the seat, whence they pass upward through guide-eyes 14 in the side pieces 12 and terminate in suitable rings 15, which are intended to connect with supports above for suspending the swing. A connection is arranged between the back 2 and the ropes 13, and this connection is shown as a short strand of rope 16, connected to the eyes 17 in the back 2, the opposite ends being fastened to the ropes 13 in any convenient manner. This arrangement provides a firm support for the back 2 of the swing when the parts are extended, as in Fig. 2, as well as to guard against any displacement of pillows or other articles which may be used in connection with the swing to give comfort to the occupant thereof.

When my invention is intended for use as a swing for an infant, I prefer to use a guard 18, which is carried by the ropes 13, suitable openings 18^a being provided at each end for the purpose. This guard will rest upon the upper front edges of the side pieces 12 and form an effective barrier against any possibility of the infant falling or being thrown forward.

It will thus be seen that my invention provides in a simple, strong, and inexpensive manner a swing that is particularly well adapted for the purposes for which it is intended and one that may be quickly adjusted to give va-

rious inclinations to the parts to provide comfort for the occupant and one which may be used by invalids as well as by infants and others.

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

1. A reclining-swing comprising a seat, back and foot-rest suitably hinged together, arms
10 pivoted at one end to the seat, a rod carried by the back, rack-bars also carried by the back which are adapted to be engaged by the rod for holding the parts in the desired position, means for holding the rod normally in
15 engagement with the racks, and suspending devices for supporting the swing, substantially as described.

2. A reclining-swing comprising a seat, back and foot-rest suitably hinged together, guide-
20 ways secured upon the back, racks formed within the guideways, arms pivoted at one end to opposite sides of the seat, a rod journaled between the opposite ends of the arms and adapted to move within the guideways,
25 cranks formed upon said rod and adapted to engage the racks, springs adapted to hold the cranks normally in engagement with the racks and against the tension of which the crank-rod is disengaged therefrom, means for oper-
30 ating said rod, and suspending devices for the swing, substantially as described.

3. A reclining-swing comprising a seat, back and foot-rest suitably hinged together, guide-
ways formed upon the back, racks formed in
35 said guideways, arms pivoted at one end to opposite sides of the seat, a rod connecting

the opposite ends of the arms, said rod adapted to extend through the guideways, cranks formed on said rod and adapted to engage
40 the teeth of the racks, means for holding the cranks normally in engagement with the racks, a crank formed on said rod intermediate its ends, an operating-rod secured at one end to said crank and at its opposite end extending within convenient reach for operat-
45 ing the crank-rod to secure the proper adjustment of the swing, and means for suspending the swing, substantially as described.

4. A reclining-swing comprising a seat, back and foot-rest suitably hinged together, sus-
50 pending-ropes connected at their lower ends to the seat, side pieces carried by the rope and independent of the seat, flexible connections between the ropes and the back, arms hinged at one end to the foot-rest, arms secured to the
55 back of the swing and at their opposite ends pivoted to the first-named arms, guideways formed in the upper ends of the arms which are secured to the back, racks arranged within said guideways, a crank-rod carried by the
60 back and extending within the guideways for the purpose of engaging the racks, and means for holding the rods normally in engagement with the racks, substantially as described.

In testimony whereof I have signed this
65 specification in the presence of two subscribing witnesses.

WILLIAM E. ELLIOTT.

Witnesses:

C. A. CHADWICK,

O. C. SANDS.