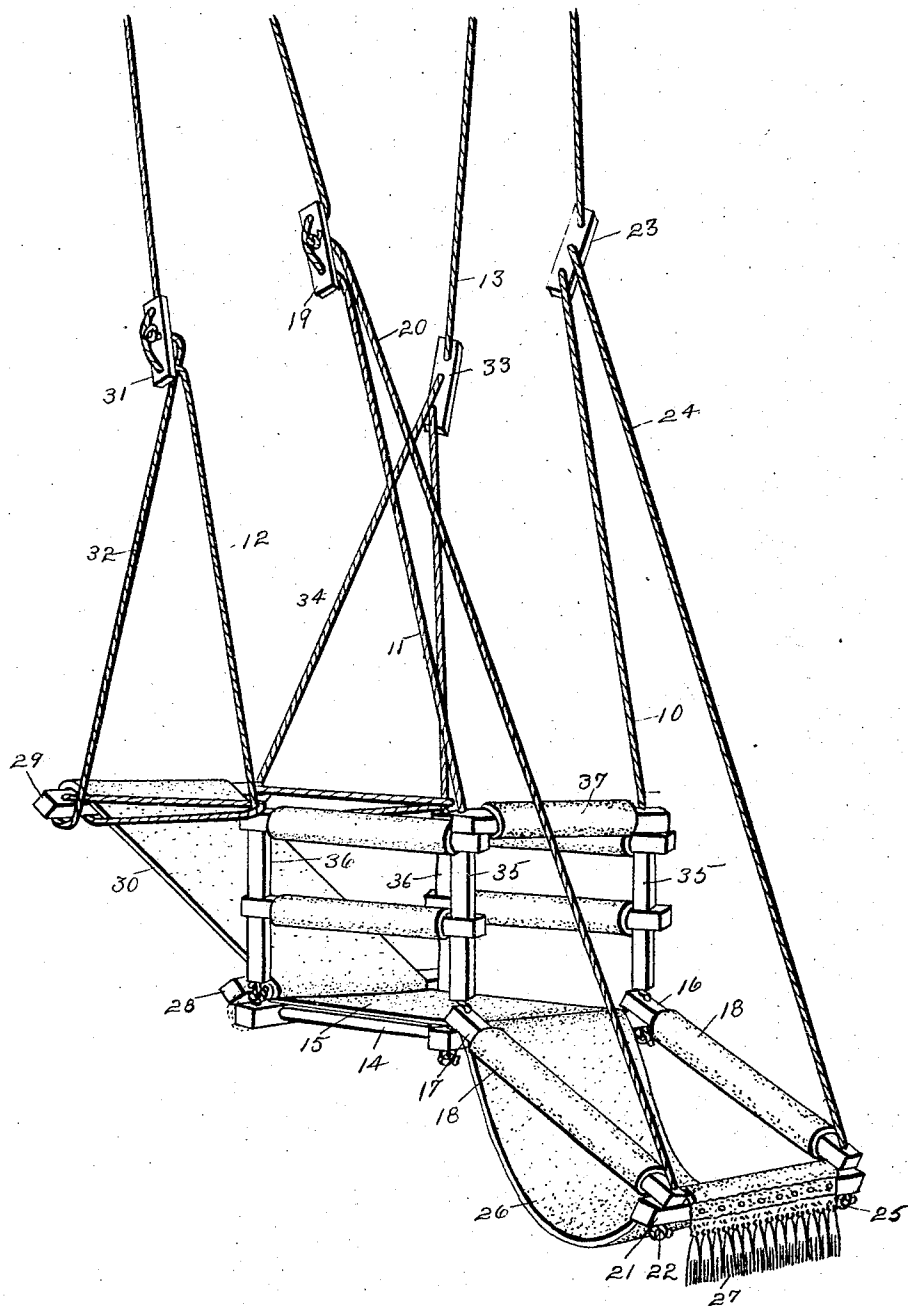


No. 787,556.

PATENTED APR. 18, 1905.

A. P. BOTTGAR.
SWINGING CHAIR.

APPLICATION FILED MAR. 14, 1904.



Witnesses

A. G. Hague
William Hamish

Inventor: *A. P. Bottgar*
by *Cruiq & Lane, Attys*

UNITED STATES PATENT OFFICE.

ADOLPH P. BOTTGAR, OF BOONE, IOWA, ASSIGNOR OF ONE-HALF TO
R. SUTTON, OF BOONE, IOWA.

SWINGING CHAIR.

SPECIFICATION forming part of Letters Patent No. 787,556, dated April 18, 1905.

Application filed March 14, 1904. Serial No. 197,937.

To all whom it may concern:

Be it known that I, ADOLPH P. BOTTGAR, a citizen of the United States, residing at Boone, in the county of Boone and State of Iowa, have invented certain new and useful Improvements in Swinging Chairs, of which the following is a specification.

The objects of my invention are to provide a swinging chair in which the back of the chair is easily and readily adjustable and also in which the foot-rest is capable of adjustment, and, further, to provide a swinging chair which can be easily and readily attached to and detached from hooks in the ceiling or the top of a door-casing.

A further object is to provide a chair in which a baby can be placed, and owing to the adjustable bar at the front of the chair the baby can be safely kept in it.

A further object is to provide a chair which can be easily adjusted by lengthening the ropes, so as to have the chair at any desired height from the floor.

A further object is to provide a chair in which the supporting-ropes maintain the chair in various positions—that is, the ropes which support the chair hold the parts of it together.

My invention consists in certain details in the construction, arrangement, and combination of the various parts of the device whereby the objects contemplated are attained, as hereinafter more fully set forth, pointed out in my claims, and illustrated in the accompanying drawing, in which the figure shows in perspective the complete chair.

Referring to the accompanying drawing, I have used the reference-numerals 10 and 11 to indicate the two ropes which are mounted at the front of the chair and the reference-numerals 12 and 13 to represent the ropes which are at the rear of the chair. The ropes 11 and 12 are attached to a ring at their upper ends. The ropes 10 and 13 are also attached to a similar ring at their upper ends. These rings are designed to be placed over any ordinary hook, and as they are of the ordinary construction a further description of them is unnecessary. The lower ends of the ropes 10, 11, 12, and 13 are attached to the

chair-bottom 14, which is constructed with the two sides and two end portions and has a piece of fabric 15 stretched between these portions to form the upper portion of the bottom of the chair.

Attached to the rope 10 is the side piece of the foot-rest, which extends forwardly from its point of attachment. This side piece I have designated by the numeral 16. Attached to the rope 11 is the other side piece, 17, of the foot-rest, which extends forwardly from its point of attachment to the rope 11. These side pieces are on that portion of the rope which is immediately above the bottom 14 of the chair, and these side pieces 16 and 17 are covered with a fabric 18.

Slidingly mounted on the rope 11 is the adjustable block 19, having the rope 20 firmly attached to it at its upper end. The lower end of this rope 20 extends through the forward end of the side piece 17 and through the end piece 21 of the foot-rest, which connects the side pieces 16 and 17. The rope is knotted at 22 below the end piece 21 to maintain the said end piece in position when the rope is taut.

Slidingly mounted on the rope 10 is the block 23, having the rope 24 firmly attached to it at its upper end. This rope 24 extends through the side piece 16 and the end piece 21 and is knotted at 25 below said end piece, so that when the rope 24 is taut the end piece 21 and the side piece 16 are supported by said rope. It will be clearly seen that by adjusting the blocks 19 and 23 vertically of the ropes 10 and 11 the outer end of the foot-rest will be swung upwardly and downwardly and be maintained in the desired position. A fabric 26 is attached at one end to the forward portion of the bottom and its other end to the end piece 21, and an ornamental trimming 27 is attached to the cross-piece 21.

A cross-piece 28 extends across the device immediately behind the bottom 14 and is attached at its end portions to the ropes 12 and 13. Forming the upper portion of the back is a cross-piece 29. The cross-pieces 28 and 29 are connected with each other by stays, and a fabric 30 covers these stays and the cross-pieces 28 and 29.

Slidingly mounted on the rope 12 is a block

31, which has the rope 32 secured to it. This rope extends downwardly from its point of attachment and passes through one end of the cross-piece 29 and forwardly around the rope 12 and then rearwardly to a point where it is secured to the cross-piece 29. This rope is designed to support one side of the back.

Slidingly mounted on the rope 13 is the block 33, having the rope 34 secured to it. Said rope extends downwardly and is passed through the other end of the block 29 from that through which the rope 32 is passed and then extends forwardly and around the rope 13 and thence rearwardly to its point of attachment to the cross-piece 29. This rope is designed to adjustably support the opposite side of the back from that supported by the rope 32. It will be seen that as the blocks 31 and 33 are moved vertically on the ropes 12 and 13, respectively, the back will be adjusted.

Mounted on the ropes 10 and 13 is the side portion 35. Mounted on the ropes 11 and 12 is the side portion 36, arranged as shown in the accompanying drawing. Connecting the ropes 10 and 11 is a cross-piece 37, which is capable of vertical movement on the ropes 10 and 11. Inasmuch as the cross-piece 37 is capable of being moved upwardly the baby may be placed in the chair and the cross-piece may be moved downwardly to a position in engagement with the sides of the chair for preventing the baby from falling out of the chair. The sides of the chair also are capable of vertical adjustment, as they are slidingly mounted on the ropes 10 and 13 and 11 and 12, respectively. Thus it is evident that by moving the sides upwardly to the desired position a knot can be tied in that portion of the rope which is below the bottom of the chair to support the sides in the desired position.

In practical operation, assuming that the parts are assembled as above described, the swinging chair is attached to the hooks, and the foot-rest, back, and sides or arms are adjusted, the device is then ready for use. The position of the back can be changed by simply changing the position of the blocks 31 and 33 on the ropes 12 and 13. The position of the foot-rest can be changed by simply changing the position of the blocks 19 and 23 on the ropes 11 and 10, respectively.

Having thus described my invention, what I claim, and desire to secure by Letters Patent of the United States therefor, is—

1. In a swinging chair, four ropes, two of which are designed to be connected at their upper ends on one side of the chair and the other two of which are designed to be connected at their upper ends on the other side of the chair, a bottom attached at the lower ends of said ropes, sides in said chair mounted on the ropes at each side thereof and capable of vertical adjustment on the ropes, a foot-rest attached to the forward rope on each side of the chair and capable of swinging movement rela-

tive to the bottom portion, blocks slidingly mounted on the forward rope on each side of the chair, ropes connecting said sliding blocks with the forward end of the foot-rest so that as the blocks are moved upwardly and downwardly on the ropes in the forward sides of the chair, the foot-rest will be adjusted.

2. In a swinging chair, four ropes, two of which are designed to be connected at their upper ends on one side of the chair and the other two of which are designed to be connected at their upper ends on the other side of the chair, a bottom attached at the lower ends of said ropes, sides in said chair mounted on the ropes at each side thereof and capable of vertical adjustment on the ropes, a foot-rest attached to the forward rope on each side of the chair and capable of swinging movement relative to the bottom portion, blocks slidingly mounted on the forward rope on each side of the chair, ropes connecting said sliding blocks with the forward end of the foot-rest so that as the blocks are moved upwardly and downwardly on the ropes in the forward sides of the chair, the foot-rest will be adjusted, a back swingingly connected with the rear of the bottom portion, a block slidingly mounted on each of the ropes at the rear of the sides of the chair, and a rope connecting each of the sliding blocks on the tops at the rear of the sides of the chair and the rear portion of the back so that if these blocks are moved vertically of the ropes on which they are mounted, the back will be adjusted.

3. In a swinging chair, four ropes, two of which are designed to be connected at their upper ends on one side of the chair and the other two of which are designed to be connected at their upper ends on the other side of the chair, a bottom attached at the lower ends of said ropes, sides in said chair mounted on the ropes at each side thereof and capable of vertical adjustment on the ropes, a foot-rest attached to the forward rope on each side of the chair and capable of swinging movement relative to the bottom portion, blocks slidingly mounted on the forward rope on each side of the chair, ropes connecting said sliding blocks with the forward end of the foot-rest so that as the blocks are moved upwardly and downwardly on the ropes in the forward sides of the chair, the foot-rest will be adjusted, a back swingingly connected with the rear of the bottom portion, a block slidingly mounted on each of the ropes at the rear of the sides of the chair, a rope attached to each of said blocks extending through the rear upper portion of the back of the chair around the rear rope at each side of the chair and attached at its free end to the back of the chair, for the purposes stated.

ADOLPH P. BOTTGAR.

Witnesses:

J. B. PANGBURN,
JAS. S. DAUTRICK.