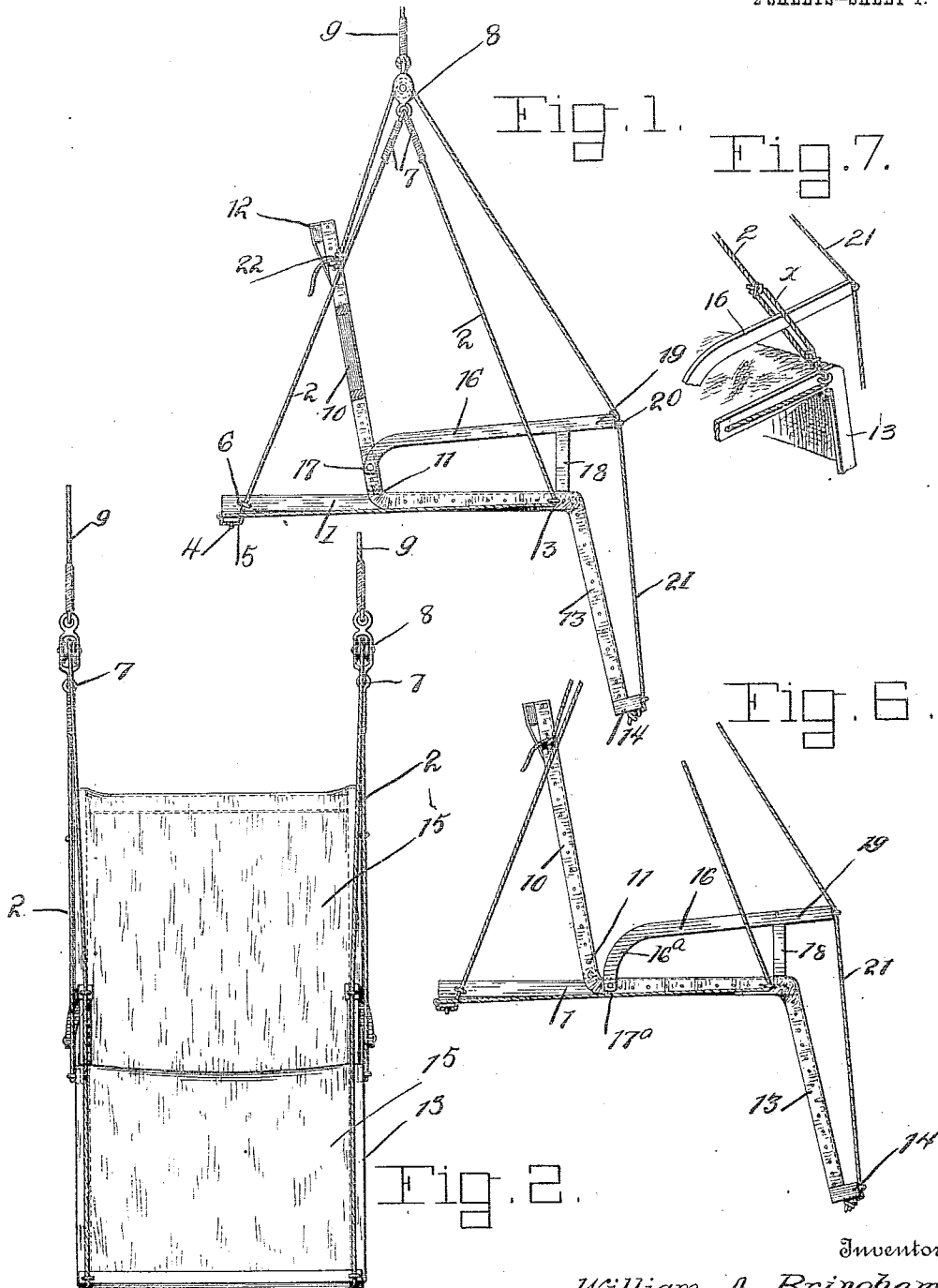


W. A. BRINGHAM.
ADJUSTABLE SWINGING CHAIR.
APPLICATION FILED AUG. 3, 1909.

953,591.

Patented Mar. 29, 1910.

2 SHEETS—SHEET 1.



Witnesses

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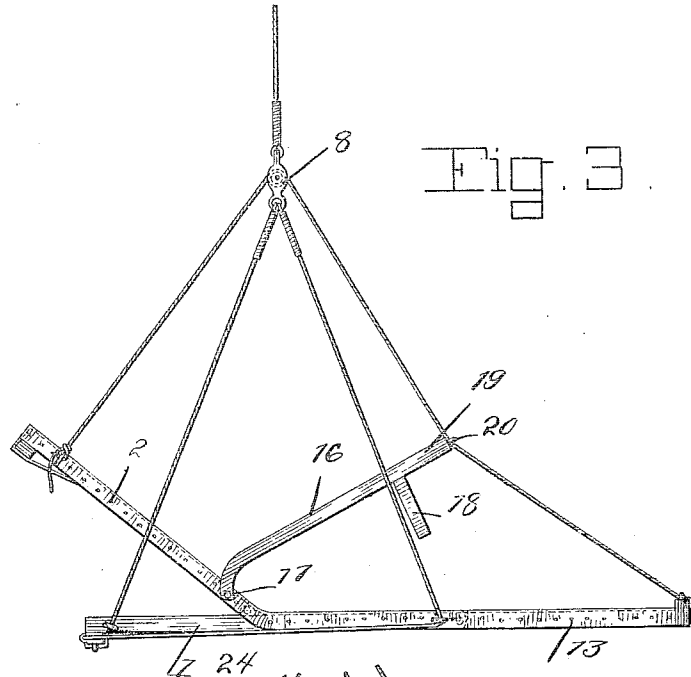


Fig. 3.

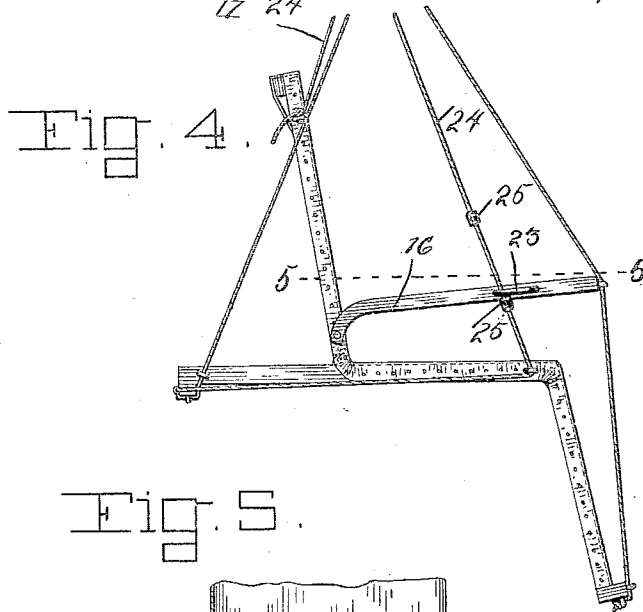
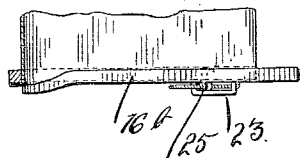


Fig. 4.

Fig. 5.



Witnesses

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UNITED STATES PATENT OFFICE.

WILLIAM A. BRINGHAM, OF CHICAGO, ILLINOIS.

ADJUSTABLE SWINGING CHAIR.

953,591.

Specification of Letters Patent. Patented Mar. 29, 1910.

Application filed August 3, 1909. Serial No. 511,066.

To all whom it may concern:

Be it known that I, WILLIAM A. BRINGHAM, a citizen of the United States of America, residing at Chicago, in the county of Cook and State of Illinois, have invented new and useful Improvements in Adjustable Swinging Chairs, of which the following is a specification.

This invention relates to adjustable swinging chairs, and one of the principal objects of the same is to provide a chair comprising a seat member suspended from the swinging ropes or cables and a back and foot rest pivotally connected to said seat member and provided with means whereby the operator may readily adjust the back and foot rests to any position he may desire to assume from an upright to a recumbent position.

Another object of the invention is to provide a chair, the seat member of which is suspended from the swinging ropes or cables, while the back, the arms and the foot rest are adjustable independently of the seat member by the movement of the body of the occupant.

Still another object of the invention is to provide an adjustable swinging chair in which the back, the foot rest and the arms are movable independently of the seat to any inclined position desired by the occupant, said parts assuming any inclined position at the will of the occupant of the swing.

These and other objects may be attained by means of the construction illustrated in the accompanying drawings, in which,—

Figure 1 is a side elevation of a swinging chair made in accordance with my invention, a portion of the back being broken away and shown in section. Fig. 2 is a front elevation of the same. Fig. 3 is a side elevation, showing the back and foot rest of the chair in a different position from that shown in Fig. 1. Fig. 4 is a side elevation of a slight modification of my swinging chair. Fig. 5 is a detail horizontal section taken on the line 5—5 of Fig. 4, looking in the direction indicated by the arrows. Fig. 6 is a detail side elevation showing a still further slight modified form of my invention. Fig. 7 is a detail perspective view illustrating a modified form of arm support.

Referring to the drawings, the numeral 1 designates the frame of the seat member which is preferably rectangular in form, and said seat member is suspended upon ropes or cables upon opposite sides of said frame,

said ropes or cables passing through metal eyes 3 near the front and extended back through eyes 4 and up around a cross bar 5 through eyes 6, the opposite ends of said rope or cable being provided with attaching eyes 7 suspended from pulleys 8, said pulleys being supported by the swinging cables or ropes 9.

The back 10 is pivoted at 11 to the seat frame, said back comprising side members and a top cross bar 12. The foot rest 13 also comprises a rectangular frame having a cross bar 14 at its lower end. The back, the seat and the foot rest are preferably provided with a canvas or other fabric cover 15 extending from the top of the back to the bottom of the foot rest. A pair of arms 16 are pivotally connected one to each side of the back 10, at 17, as shown in Figs. 1 and 3, said arms each having a downwardly extending support 18 which rests upon the top of the seat frame when the back and foot rest are in the position shown in Fig. 1. The arms 16 each have a forwardly extending portion 19, and at the end of said portion an eye 20 is secured. A rope or cable 21 is secured at its lower end upon each side of the cross bar 14 of the foot rest, said rope or cable extending through the eye 20 and over the pulley 8, the opposite end of said cable being secured at 22 to the side of the back.

As shown in Fig. 6, the arms 16 are provided with a downwardly curved rear end 16^a which are pivoted at 17^a to the seat frame 1 instead of to the back 2, as shown in Fig. 1.

As shown in Figs. 4 and 5, the support 18 is omitted from the arms 16^b, and in lieu of the supports 18, staples or keepers 23 are secured to the outer sides of the arms, and upon the rope or cable 24 adjustable stops 25 are secured which serve to limit the movement of the arms vertically.

Referring to Fig. 7 it will be noted that the arm 16 passes through a loop *x* in the rope 2, said loop permitting the arm 16 a limited movement in the operation of the device.

The operation of my invention may be briefly described as follows: It is to be noted that the seat frame 1 of the adjustable swinging chair is suspended from the pulley 8 and always assumes a horizontal or substantially horizontal position. It is also to be noted that the back 2 and the foot

rest 13 are independently pivoted to the seat, said back and foot rest being connected by means of a cable passing through a pulley and said rope being connected to the arms. A person occupying the chair may by grasping the arms 16 assume any position which he may desire, and the back and foot rest will adjust itself readily. For instance, if a person is in the chair in the position shown in Fig. 1 and desires to assume a recumbent position, the arms 16 are grasped, and by moving the body backward and the legs outward, the chair will immediately assume the position shown in Fig. 3, giving the body a slight inclination, and the legs being supported in substantially horizontal position. In other words, the back and foot rest members are wholly independent in their movements from the seat member, and since all the weight of the body rests upon the seat member the back and foot rests can be readily adjusted practically by the movements of the body and legs.

From the foregoing it will be obvious that an adjustable swinging chair made in accordance with my invention can be produced at slight cost, can be readily put up and can be used as a chair, a hammock or a swing at the will of the occupant.

I claim:—

1. An adjustable swinging chair comprising a seat member suspended from the swing ropes or cables, a back, a foot rest, and arms adjustable independently of the seat, said foot rest, back and arms being connected by cables or ropes.

2. An adjustable swinging chair comprising a seat member, means for suspending said seat member, a back and a foot rest pivotally mounted upon said seat member, pivoted arms, and cables connecting said arms, said back and said foot rest.

3. An adjustable swinging chair comprising a seat member, means for suspending said seat member, a back and a foot rest pivotally mounted on said seat, a cable connected at its ends to said back and foot rest, and pivoted arms each provided with a support and a forwardly projecting member having an eye therein through which said cable passes.

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

WILLIAM A. BRINGHAM.

Witnesses:

JOHN B. CHAPMAN,
SAMUEL KELLUM.