

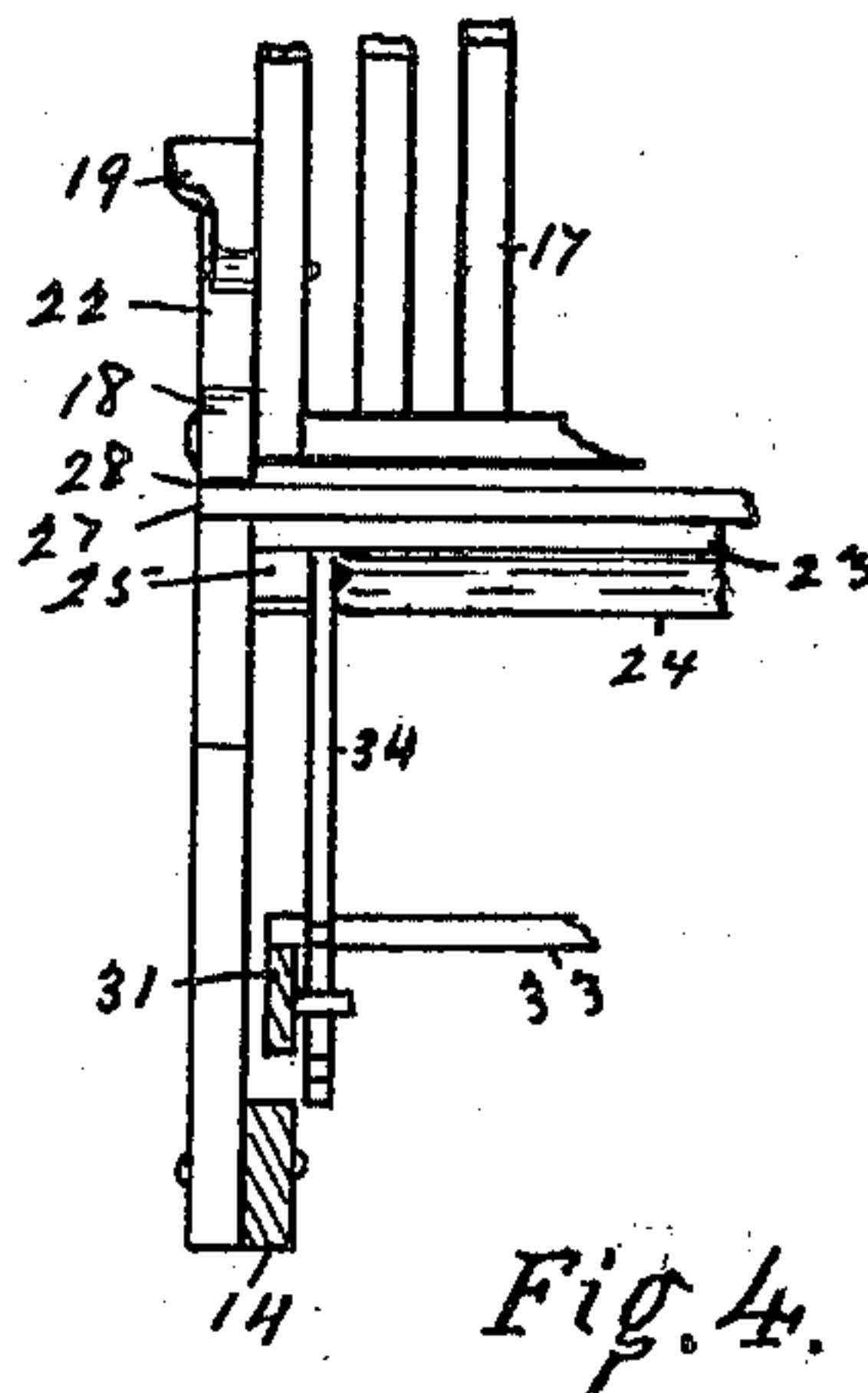
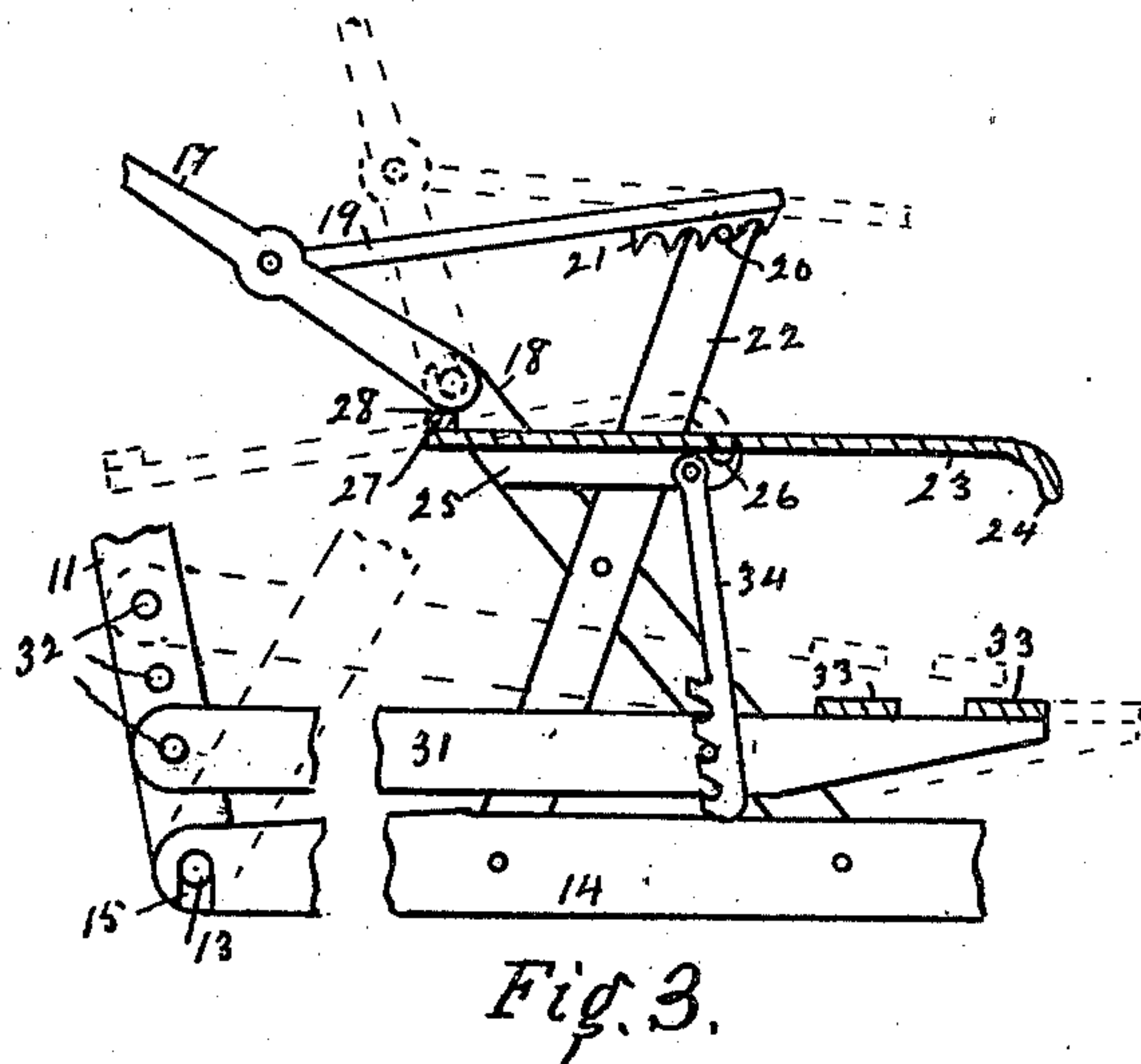
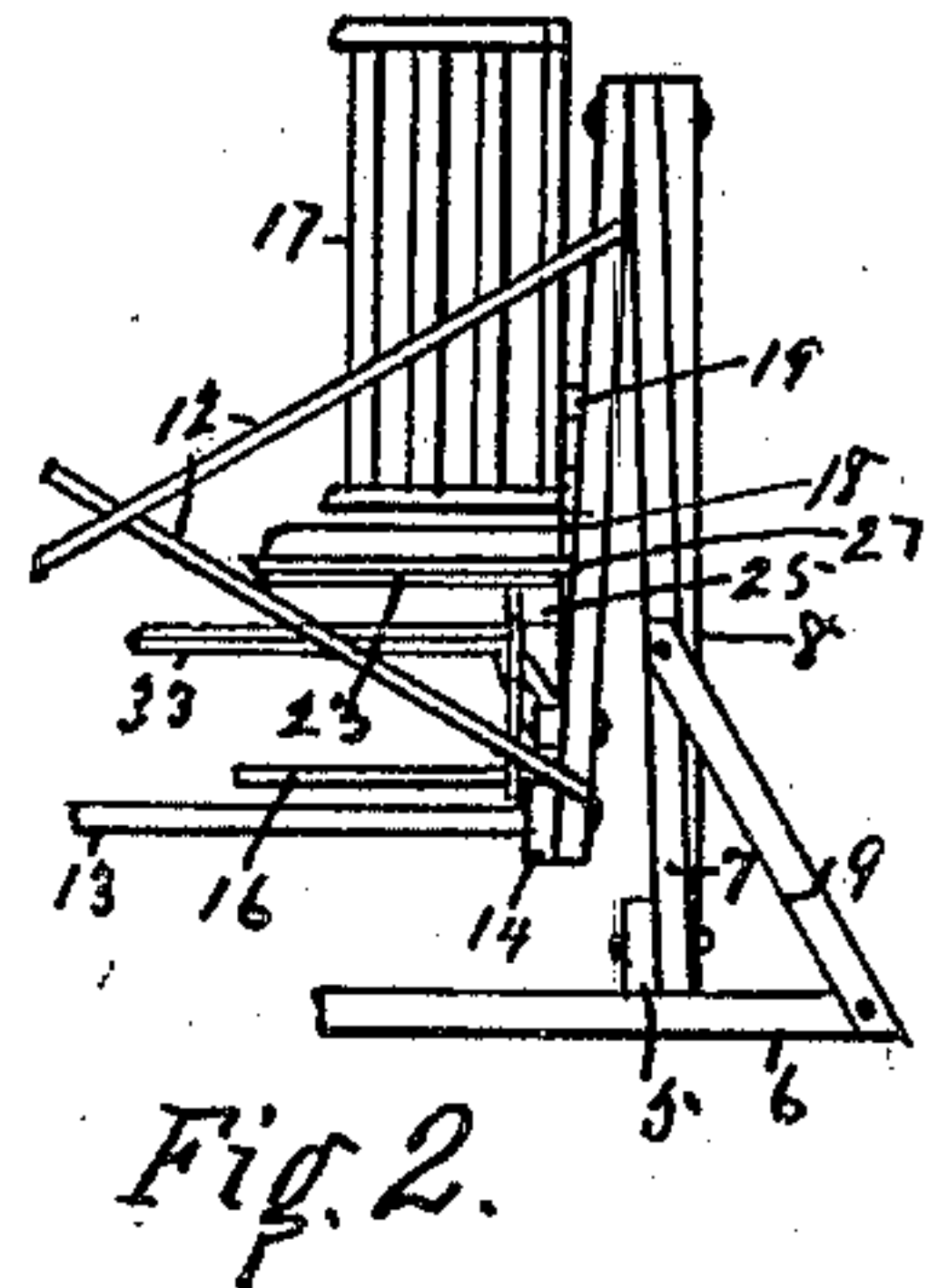
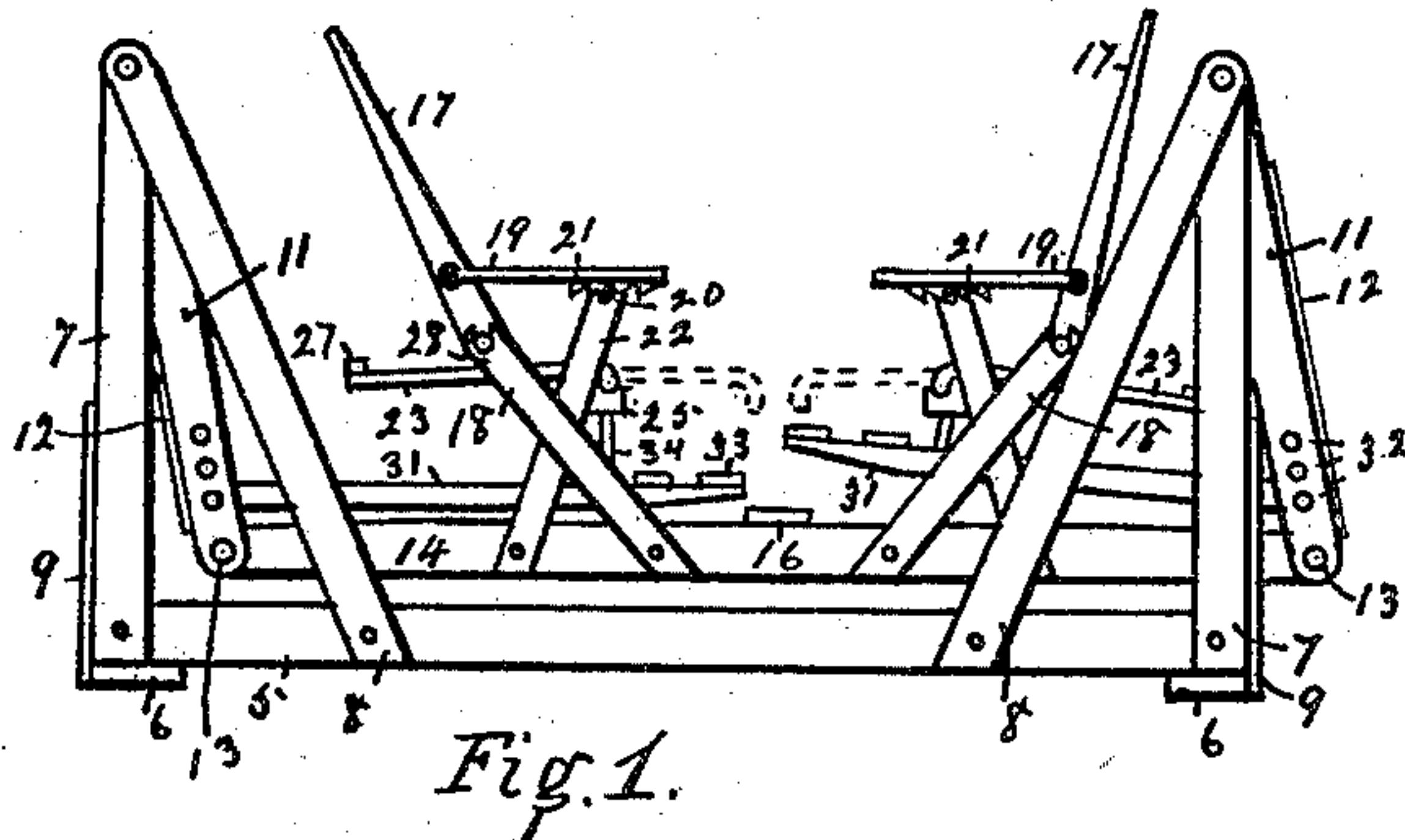
No. 696,355.

Patented Mar. 25, 1902.

C. A. SALZMAN.
SWING.

(Application filed Nov. 1, 1900.)

(No Model.)



WITNESSES.

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UNITED STATES PATENT OFFICE.

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SWING.

SPECIFICATION forming part of Letters Patent No. 696,355, dated March 25, 1902.

Application filed November 1, 1900. Serial No. 35,146. (No model.)

To all whom it may concern:

Be it known that I, CHRISTIAN A. SALZMAN, a citizen of the United States, and a resident of Hamilton, Ohio, have invented certain new and useful Improvements in Swings, of which the following is a specification.

My invention relates to swings of that class adapted to use in lawns, porches, or elsewhere; and the objects of my improvements are to provide adjustable foot-rests and sliding seats whereby the swing is adaptable to children or to grown persons and whereby it may be converted into a swinging cot or hammock. These objects are attained in the following-described manner, as illustrated in the accompanying drawings, in which—

Figure 1 is a side elevation; Fig. 2, an end elevation with parts broken away; Fig. 3, a sectional view of one of the seats, with dotted lines showing the adjustments of the bottom and the back and the foot-rest in different positions; and Fig. 4, a rear elevation of one of the seats with parts broken away.

In the drawings, 5 represents the side sills secured parallel with each other on end sills 6 to form a rectangular stationary frame. Corner-posts 7 are each secured in an upright position by braces 8 and 9. Swing-bars 11 depend from the top of the posts, and those at each end of the frame are connected together by diagonal braces 12 and by rods 13 in their lower ends. Beams 14, formed with notches 15 in their ends to detachably engage with rods 13, are carried by the swing-bars, and brace 16 extends between their middle portions. Two similar seats are mounted facing each other a short distance apart on said beams, and each of them is provided with a back 17, which is removably hinged in the top of the rear seat-posts 18. Arms 19 are hinged on the backs and provided with a series of teeth 21 to engage with catches 20, which project laterally from the top of the front seat-posts 22 to maintain the backs in adjustment to different vertical angles, as shown by dotted lines in Fig. 3. Seat-bottoms 23 are each extended rearwardly beyond the back, and their front edges terminate in depending lips 24. They are movably supported on guides 25, which are secured to the seat-posts and which are each formed with notch 26 near its front end. When lips 24 are supported in said

notches, the bottoms are maintained in a rearwardly-slanting position, as shown by dotted lines in Fig. 3. By disengaging the lips from the notches the bottoms may be moved forward on the guides to close the space between the seats, where they are maintained in a horizontal position by the engagement of the ends of rear slats 27 with notches 28, formed in the rear seat-posts, as shown in Figs. 1 and 3. Similar foot-rests 31 are pivoted to the swing-bars that pivotally depend from the posts at each end of the frame, and they are adjustable thereon to different heights above rods 13 by being pivotally secured in either of the different holes 32 formed in said bars. Said rests are extended under the seats and terminate near together over the middle portion of the frame, where they are provided with platforms 33 and are independently and adjustably supported by means of notched braces 34, which pivotally depend from the respective guides 25.

In operation the swing is propelled in each direction by exerting pressure with the feet on the foot-rests in the opposite direction. The movement between the seats and the foot-rests is differential, the seats describing the longer arc, and the higher above rods 13 the foot-rests are adjusted on the swing-bars the shorter is the relative arc described by them and the easier the swing is propelled.

By adjusting the seat-bottoms over the space between the seats forms a level surface, resembling a cot with a hammock movement, to be propelled in the usual manner by a cord (not shown) attached to one of the posts. The backs may be adjusted as low as desired, and a canopy or awning may be supported on the posts.

What I claim, and desire to secure by Letters Patent, is—

1. In a swing, the combination with swing-bars, beams supported near their extremities thereon, means to support said bars, and a seat mounted on the beams, of a foot-rest having one end pivotally secured to the bars and above one end of the beams and terminating at the other end in front of the seat, and means to adjustably support the foot-rest in relation to the seat.

2. In a swing, the combination with swing-bars, horizontal beams supported thereon,

- means to support said bars, of seats formed with sliding bottoms being mounted on the beams and facing each other, and horizontal guides arranged to support the bottoms and whereon they may be moved toward each other to cover the space between the backs of the seats, and means to maintain said bottoms in a horizontal position when so adjusted.
3. In a swing, the combination with a seat formed with a sliding bottom which terminates at its front edge in a depending lip, of horizontal guides arranged to support the bottom and formed with notches near their front ends adapted to engage with the lip, whereby the bottom is supported in a rearwardly-slanting position, and means to maintain the bottom in a horizontal position when it is moved farthest in a forward direction.
4. In a swing, the combination with swing-bars, beams suspended in a horizontal position thereon, means to support the bars, and

a seat mounted on the beams, of a foot-rest pivoted at one end to the swing-bars and adjustable thereon more or less distant above the beam, and means to adjustably support the other end thereof in relation to the seat.

5. The combination with a lawn-swing, having a main supporting-frame provided with ground-rails, and low centrally-open side pieces having their upper ends nearly on a level with the chair-seats, of the hangers pivotally supported from the upper portion of said main frame, the swinging side rails, bracing pivot-rods connecting said hangers and side rails, the chairs carried by said swinging side rails, a foot-rest, and means in connection with said foot-rest for operating said swing, substantially as specified.

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Witnesses:

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