

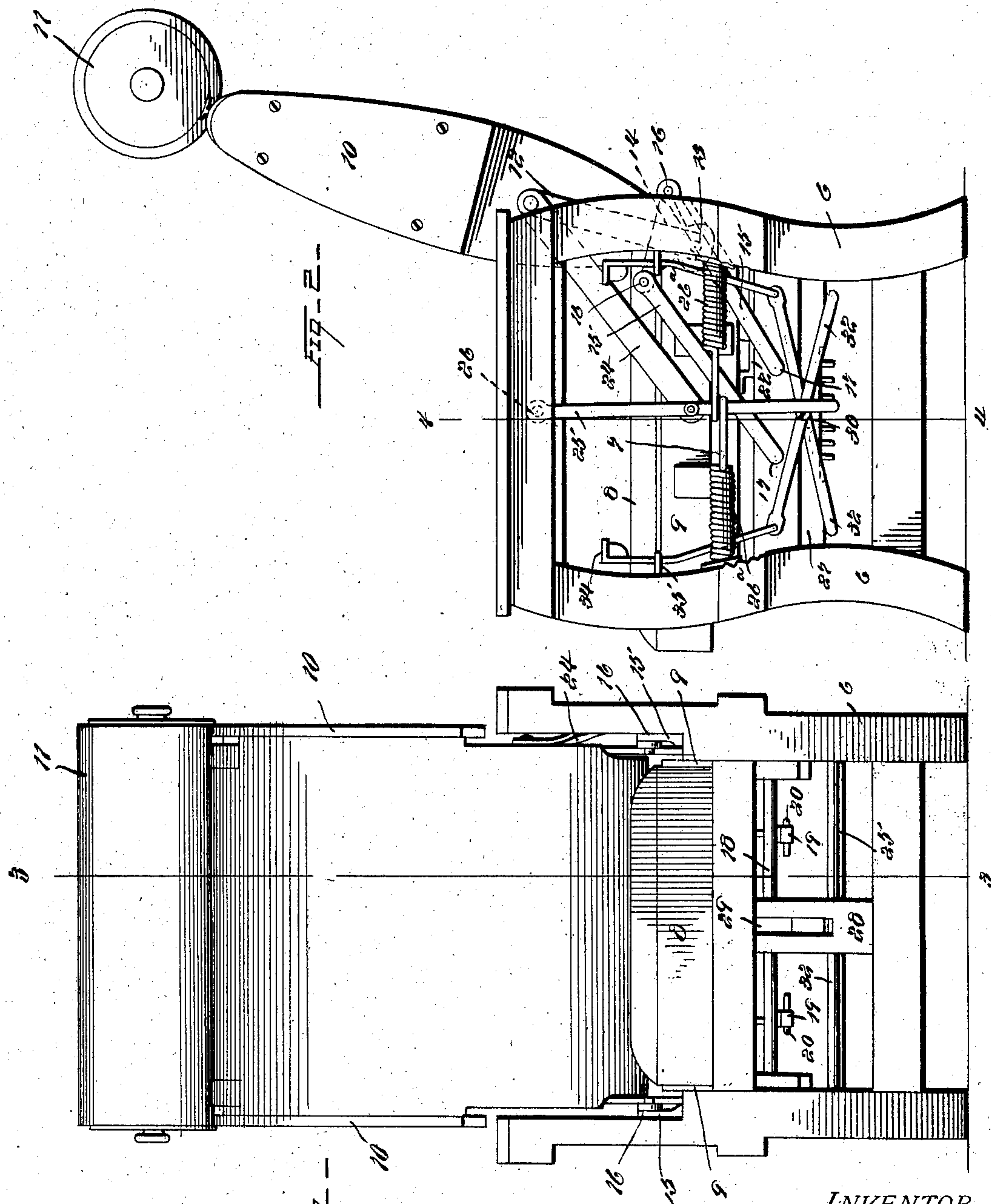
No. 827,225.

PATENTED JULY 31, 1906.

W. J. FOUNTAIN.
CHAIR.

APPLICATION FILED NOV. 4, 1905.

2 SHEETS—SHEET 1.



WITNESSES:

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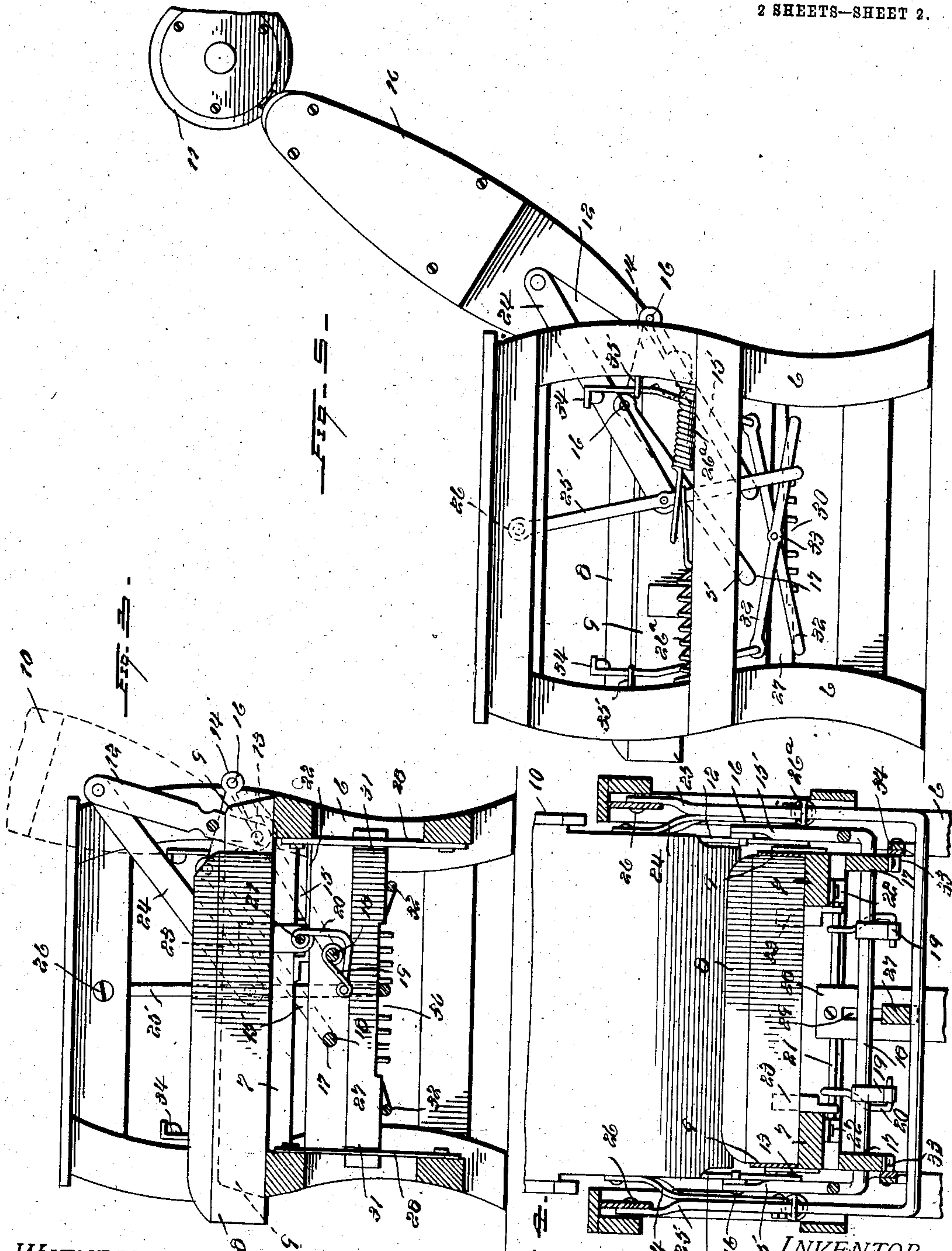
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UNITED STATES PATENT OFFICE.

WILLIAM J. FOUNTAIN, OF CHICAGO, ILLINOIS.

CHAIR.

No. 827,225.

Specification of Letters Patent.

Patented July 31, 1906.

Application filed November 4, 1905. Serial No. 285,845.

To all whom it may concern:

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

This invention is a chair adapted for use as a car-seat or otherwise where a chair having the functions and characteristics hereinafter described may be capable of use.

The chair has a reversible back, which may be also adjusted or inclined at various angles. Means are provided for supporting the back at any desired inclination and for releasing the same, so that it will be restored to upright position by springs provided for that purpose. Also the chair has devices for shifting the seat according to the position of the back.

In the accompanying drawings, Figure 1 is a front elevation of the chair. Fig. 2 is a side elevation. Fig. 3 is a section on the line 3 3 of Fig. 1. Fig. 4 is a section on the line 4 4 of Fig. 2. Fig. 5 is a side elevation with the back in reclining position.

Referring specifically to the drawings, the chair-frame is mounted upon legs 6, which are properly braced and connected and support two pieces 7, on which the seat 8 is mounted. These pieces extend from the front to the back cross-pieces of the seat-frame, and the seat 8 is slidable back and forth thereon, being held against lateral displacement by guide-flanges 9 at the sides. The frame of the back is indicated at 10, having at the top a head-rest 11. This back is cushioned on both sides, so as to be reversible, and is supported upon arms 12, which are pivoted at their lower ends at 13 to cross-pieces or castings 14, which connect the upper ends of swinging parallel links 15. The links are pivotally joined to said connecting-piece at 16 and to the frame of the chair at 17. The lower ends of the links are, however, connected by cross-rods 18, which extend from the links on one side to the links on the other side, it being understood that the links are duplicated on opposite sides of the chair. These links work outside the bars 7 in the spaces between said bars and the arm-frames at the sides of the chair. The links lift and swing to reverse the back in a well-known manner. One of the cross-rods 18 is connected by arms 19 and links 20 to a cross-rod 21, which slides upon guides 22, secured to the under side of the bars 7, and this

cross-rod has upwardly-projecting lugs 23, which fit in holes in the bottom of the seat 8. When the back is reversed, the rod 18 turns and the connections between the same and the rod 21 cause the latter to slide in the guides and the lugs 23 shift or slide the seat 8 accordingly, so as to bring the seat in proper relation to the back.

In order to adjust or control the inclination of the back to produce either a reclining or an upright chair, as desired, the arms 12, on which the back is mounted, are pivotally connected to one end of links 24, which are pivotally connected at their other ends to a bail 25, which is hinged at 26 to the arms of the chair and hangs under the seat thereof. The arms or branches of this bail are respectively connected to opposing springs 26^a, which normally counteract each other and hold the bail in a vertical position, in which case the back is in the upright or normal position. Engageable with the cross-bar of the bail under the seat is a notched bar 27, which is loosely held between guide-pieces 28 at the front and back of the chair. The bar has reduced ends which fit in the slot 29 in the guide-pieces. The bar is also notched, as at 30, where it engages the bail. It extends lengthwise under the seat and has free up-and-down movement in the slots, but is prevented from lengthwise movement by the shoulders 31 at the ends of the reduced portions, which shoulders are in contact with the guides 28. The bar 27 may be raised or lowered from either end of the seat by means of cross-levers 32, which are pivoted to the seat-frame at 33 and extend across under opposite ends of the bar 27, respectively. The upper ends of these levers are connected to push-rods 34, which work through guide-loops 35, attached to the standards of the arms.

When it is desired to incline the back to form a reclining-chair, one of the push-rods is shoved down. This turns the lever 32 and lifts the appropriate end of the bar 27, so that the cross-piece of the bail 25 is disengaged from the notch in said bar. Then the chair-back may be tilted to the desired extent, and upon releasing the push-rod the bar 27 drops by its own weight and the bail is engaged in one of the notches of the bar 27, thereby holding the back at the adjustment. To restore the back to its upright position, it is simply necessary to shove down on the push-rod. This lifts the bar 27 and disengages the bail 25, and the springs 26 pull the bail to the cen-

tral position and raise the back. The duplication of the push-rods and the parts by means of which the bar 27 is released or lifted allows the adjustment of the back to be affected in either position—that is, the reversible feature of the back does not affect or prevent the operation of the means for inclining it to the extent desired.

Having thus described my invention, what is claimed as new, and desired to be secured by Letters Patent, is—

1. A chair having a reversible back, swinging links at the sides upon which said back is pivotally mounted, a swinging bail which hangs from the sides of the chair and under the seat thereof, connecting-links between the bail and the back, and means to control

and adjust the swing of the bail, to vary the inclination of the back.

2. A chair having a back pivotally mounted thereon, a bail hung from the arms of the chair and extending across under the seat thereof, links connecting the back and bail, a bar movable up and down under the seat and having notches in which the bail is engageable, and means to raise and lower said bar.

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

WILLIAM J. FOUNTAIN.

Witnesses:

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