A. W. HOWELL.

CHAIR.

APPLICATION FILED APR. 1, 1919.

1,327,475. Patented Jan. 6, 1920.

2 SHEETS—SHEET 1.

Fig. 1.

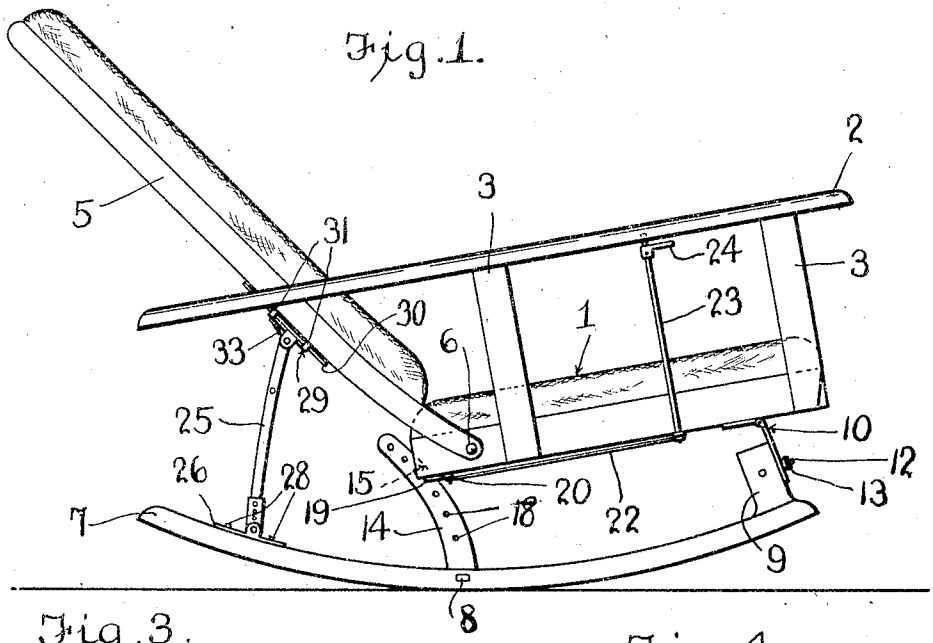


Fig. 3.

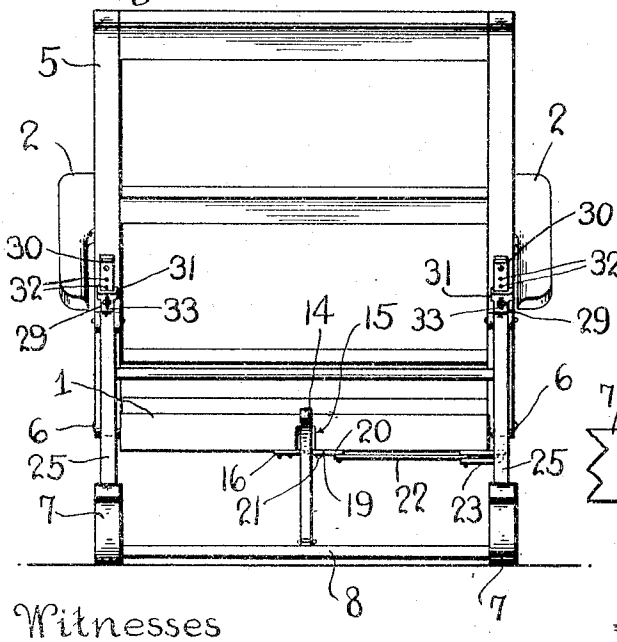


Fig. 4.

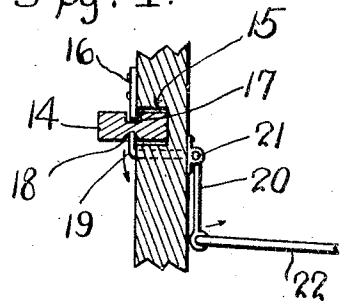
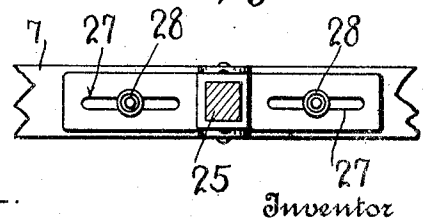


Fig. 5.



Witnesses

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2 SHEETS—SHEET 2.

Fig. 2.

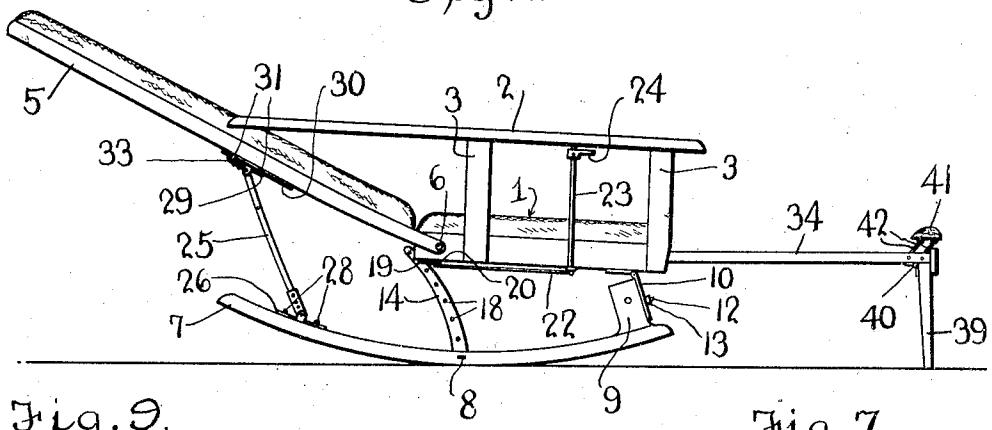


Fig. 9.

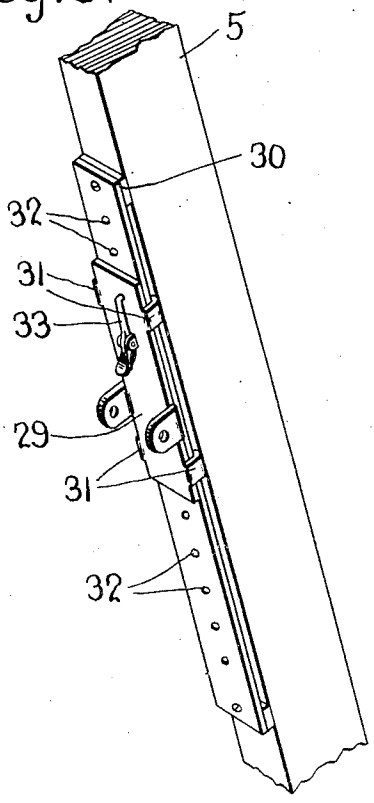


Fig. 6.

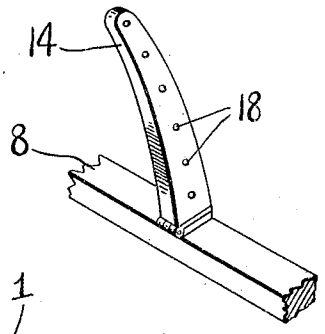


Fig. 7.

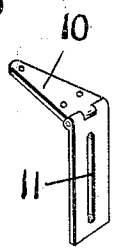
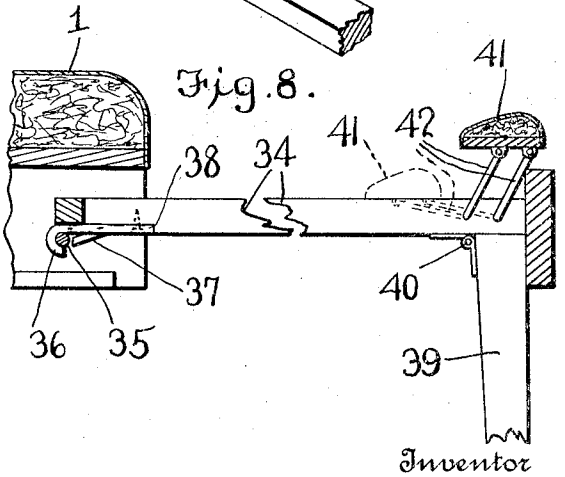


Fig. 8.



Witnesses

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UNITED STATES PATENT OFFICE.

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1,327,475. Specification of Letters Patent. Patented Jan. 6, 1920.

Application filed April 1, 1919. Serial No. 286,699.

To all whom it may concern:

Be it known that I, AUSTIN W. HOWELL, a citizen of the United States, residing at Hanover, in the county of Licking and State of Ohio, have invented new and useful Improvements in Chairs, of which the following is a specification.

This invention relates to improvements in chairs of the rocker type and the principal object of the invention is to provide means whereby the chair may be adjusted to permit the occupant to sit upright therein or to assume a reclining position.

Another object of the invention is to provide means for adjusting the seat relative to the rockers.

The invention also consists in certain other features of construction and in the combination and arrangement of the several parts, to be hereinafter fully described, illustrated in the accompanying drawings and specifically pointed out in the appended claims.

In describing my invention in detail, reference will be had to the accompanying drawings wherein like characters denote like or corresponding parts throughout the several views, and in which:—

Figure 1 is a side view of my improved chair;

Fig. 2 is a like view with the parts in a different position;

Fig. 3 is a rear view;

Fig. 4 is a sectional detail;

Fig. 5 is a detailed view of one of the brackets for securing the back supporting members to the rockers;

Fig. 6 is a perspective view of the member for supporting the rear of the seat;

Fig. 7 is a perspective view of one of the hinges for connecting the front of the seat to the front legs;

Fig. 8 is a sectional view of the foot rest;

Fig. 9 is a perspective view showing the means for adjustably supporting the back of the chair by the uprights.

In these views 1 indicates the seat of the chair which is provided with the arms 2, connected with the seat by the uprights 3. 5 indicates the back of the chair which is pivoted to the rear part of the seat, as at 6. 7 represents the rockers which are connected together by the cross pieces 8 and the front ends of the rockers carry the front legs 9. The front part of the seat is connected with said legs by the hinges 10. Each hinge has one of its leaves slotted as at 11 and this slot is engaged by a bolt 12 carried by the leg and engaged by a thumb nut 13 whereby the slotted leaf may be clamped in adjusted position to the leg. The other part of the leaf is secured to the under face of the seat. The rear part of the seat is adjustably supported by a curved upright member 14 which is hinged at its lower end to one of the cross pieces 8. This member 14 passes through a slot 15 formed in the projecting rear portion of the seat and is slidably held therein by means of a pin 16 secured to the seat and engaging a groove 17 formed in one face of said member 14. The other face of the member 14 is provided with a plurality of holes 18 which are adapted to be engaged by the bent end 19 of a bell crank lever 20 which is pivoted to the bottom of the seat. This bell crank lever is connected by a link 22 to an upright rod 23 having its upper end journaled in one of the arms 2 and provided with a handle 24 adjacent said arm. By this means the handle 24 may be grasped by the hand of the occupant of the chair to rotate the rod 23 so as to withdraw the end of the bell crank from one hole to permit it to engage another hole to adjust said seat.

The back 5 is adjustably supported from the rockers by means of the uprights 25. Each of these uprights has it lower end adjustably pivoted to a bracket 26 and this bracket is adjustably secured to the upper edge of each rocker, adjacent the rear end thereof, by means of the slots 27 and the bolts and thumb nuts 28. The upper end of each upright is adjustably secured to the rear part of the back by means of a bracket 29 which is pivotally secured to the upright, and this bracket slidably engages a plate 30 connected with the back of the seat, the bracket being provided with the guides 31 for engaging said plate. The plate is provided with a plurality of holes 32 and these holes are adapted to engage a finger lever 33 pivoted on the bracket and having its bent end passing through a hole in said bracket to engage one of the holes 32.

The chair is provided with a foot rest which consists of the frame 34 sliding on a cross bar 35 carried by the seat. The rear end of the frame is provided with the hook member 36 for engaging said rod 35 for limiting the outward movement of the frame. The frame is locked in its outward movement by a spring 37 formed on the hook-

carrying plate 38. The outer end of the frame is provided with the legs 39 secured to said frame by the spring hinges 40. The frame supports the padded member 41 which is movably secured to said frame by the links 42. It will thus be seen that the foot rest may be pushed under the seat so as to be out of the way or can be placed in extended position to support the feet and legs of the occupant of the chair.

By means of the slotted hinges securing the front seat of the chair to the front legs the seat may be adjusted to suit persons of different heights. The positions of the seat and back may be quickly and easily adjusted by operating the finger levers 33 and the handle 24 and this adjustment may be performed without the occupant leaving the chair as he can release said lever and then by adjusting his weight on the back and seat, he may raise or lower the same to the desired positions.

It is thought from the foregoing description that the advantages and novel features of my invention will be readily apparent.

I desire it to be understood that I may make changes in the construction and in the combination and arrangement of the several parts, provided that such changes fall within the scope of the appended claims.

What I claim is:—

1. A chair of the class described comprising a pair of rockers, front legs carried by said rockers, a seat, hinges connecting the front part of the seat with said legs, means for adjustably connecting the hinges with said front legs, a curved upright member hingedly secured to said rockers, and means for adjustably connecting said upright member with the rear part of the seat.

2. A chair of the class described comprising a pair of rockers, front legs carried by said rockers, a seat, hinges connecting the front part of the seat with said legs, means for adjustably connecting the hinges with said front legs, a curved upright member hingedly secured to said rockers, means for adjustably connecting said upright member with the rear part of the seat and a hand lever for actuating said means.

3. A chair of the class described comprising a pair of rockers, a seat, means for adjustably connecting the seat with the rockers, a back hinged to the seat, a pair of uprights connecting the back with the rear part of the rockers and means for adjusting the points of connection of said uprights with the back and rockers.

4. A chair of the class described comprising a seat, a pair of rockers, means for adjusting the seat on said rockers, a back hinged to the seat, a pair of uprights for connecting the back with the rear part of the rockers, a bracket pivoted to the lower end of each upright, means for adjustably securing the bracket to the rocker, a bracket pivoted to the upper end of each upright, and means for slidably and adjustably connecting said brackets with the back.

In testimony whereof I affix my signature.

AUSTIN W. HOWELL.