A. RUSSO.

RECLINING CHAIR.

APPLICATION FILED MAR. 26, 1919.

1,310,581. Patented July 22, 1919.

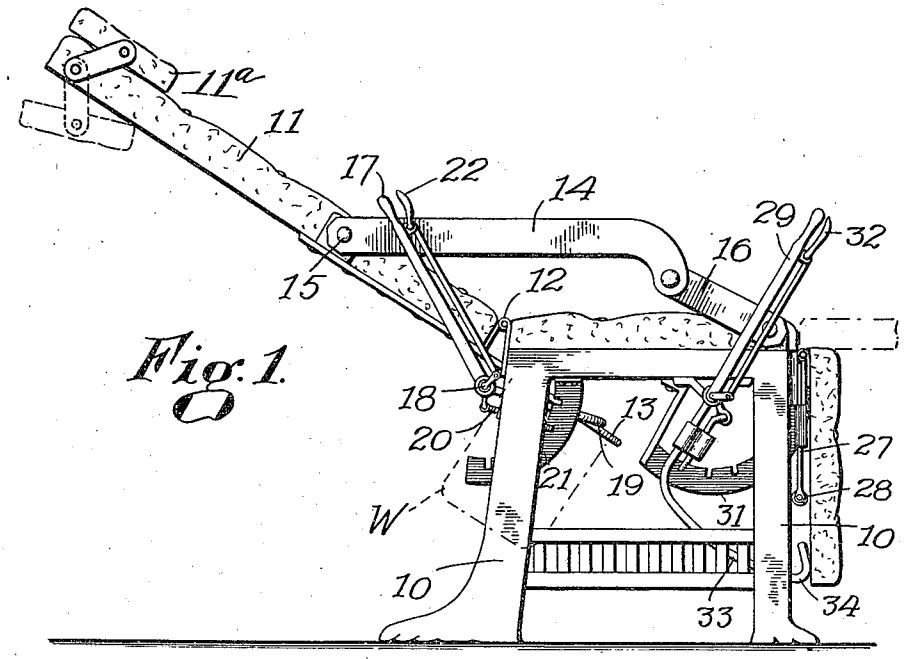


Fig. 1.

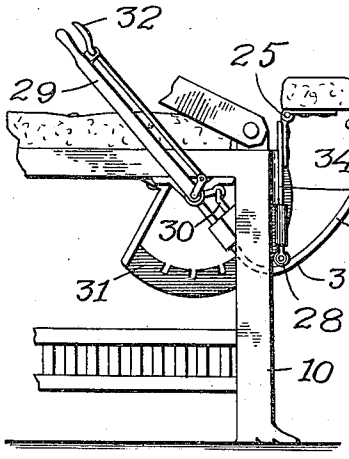


Fig. 2.

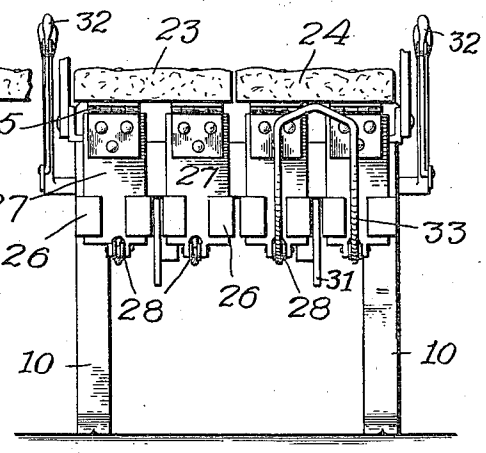


Fig. 3.

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ANDREW RUSSO, OF FITCHBURG, MASSACHUSETTS.

RECLINING-CHAIR.

1,310,581. Specification of Letters Patent. Patented July 22, 1919.

Application filed March 26, 1919. Serial No. 285,335.

To all whom it may concern:

Be it known that I, ANDREW RUSSO, a subject of the King of Italy, residing at Fitchburg, in the county of Worcester and State of Massachusetts, have invented a new and useful Reclining-Chair, of which the following is a specification.

This invention relates to a reclining chair of the type in which an adjustable footrest is provided.

It is the general object of my invention to improve the construction of such chairs to the end that greater comfort may be attained in their use.

With this general object in view, a very important feature of my invention relates to the provision of an adjustable two-part footrest together with provision for independently raising and lowering either part.

Another feature of my invention relates to the provision of a footrest which may be adjusted above normal raised position when desired.

In the preferred form of my invention, I provide means for bodily raising either portion of the footrest independently of the other portion.

My invention further relates to arrangements and combinations of parts hereinafter described and more particularly pointed out in the appended claims.

A preferred form of my invention is shown in the drawings in which—

Figure 1 is a side elevation of my improved chair;

Fig. 2 is a partial side elevation showing the footrest and operating mechanism in a different position, and

Fig. 3 is a front elevation of the parts shown in Fig. 2.

Referring to the drawings, my improved chair comprises a frame 10 to which a back 11 is hinged at 12. The back 11 is provided with a portion 13 extending below the hinge 12 and supporting a heavy counterweight W. An arm 14 is provided on each side of the chair, pivoted at 15 to the back and having its opposite end connected by a link 16 to a portion of the frame 10. The back may be adjusted to any desired position from upright to horizontal and may be supplied with a pillow or cushion 11^a, linked to the upper end of the back and movable to the dotted inoperative position of Fig. 1 when not in use.

A hand lever 17 is fixed to a shaft 18 rotatable in horizontal bearings, and having an arm 19 extending beneath the chair and engaging the upper surface of the extension 13 of the back. A latch 20 is carried by the lever 17 and engages notches in a fixed segment 21, this latch being operated by a release lever 22 mounted on the side of the hand lever 17. By pressure on the lever 22, the latch may be released, and the back may then be raised or lowered and may be retained in any desired position after adjustment by engagement of the latch with the segment 21.

My improved chair is also provided with a footrest, preferably made in two sections 23 and 24 each pivoted at its inner end to a support slidable in vertical ways 26 on the chair frame. In the preferred form, each such slidable support comprises two slides 27 for each footrest, each slide preferably having a cam roll 28 at its lower end. A hand lever 29 is provided for each footrest, each hand lever having a latch 30 coöperating with a fixed segment 31 and controlled by a releasing lever 32, the details being substantially similar to the lever mechanism for raising and lowering the back.

Each hand lever 29 controls the movement of a curved arm 33, preferably double, the extremity 34 of which engages the under side of one of the footrests 23 or 24, and the intermediate cam portions 35 of which engage the cam rolls 28 on the slides 27. As the hand lever 29 is moved from the position shown in Fig. 1 to that shown in Fig. 2, the associated footrest is first swung upward about its pivot to the position indicated in dotted lines in Fig. 1, at which point the cam portions 35 of the extension 33 engage the cam rolls 28. Continued movement of the lever 29 causes bodily upward movement of the footrest above its normal raised position, the cam portions 35 raising the slides 27 and the end portion 34 simultaneously raising the outer portion of the footrest. The latch 30 is effective to retain the footrest in any adjusted position.

With this construction it will be seen that either part of the footrest may be raised or lowered independently of the other, and that each part has not only its swinging adjustment to normal raised position, but may also be raised above its normal position when such

adjustment is found desirable. It will also be evident that all of these adjustments may be readily made by the occupant of the chair without changing his position.

Having thus described my invention, it will be evident that changes and modifications can be made therein by those skilled in the art without departing from the spirit and scope thereof as set forth in the claims, and I do not wish to be otherwise limited to the details herein disclosed, but what I claim is:—

1. A reclining chair having a seat fixed in position, a footrest directly adjacent said seat, means to angularly adjust said footrest relative to said seat, and means to raise said footrest bodily relative to said seat above normal raised position.

2. A reclining chair having a seat fixed in position, a footrest directly adjacent said seat, means to swing said footrest about a pivot thereof, means to raise said footrest and pivot bodily relative to said seat above normal raised position, and means to retain said footrest in any adjusted position thereof.

3. A reclining chair having a seat fixed in position, a two-part footrest, a support for each such part, guide-ways therefor, separately operated means to angularly adjust each part on its support, and means to raise and lower each support independently.

4. A reclining chair having, in combination a seat fixed in position, a footrest directly adjacent to said seat, a support to which said footrest is pivoted, and means to first swing said rest about its axis to an approximately horizontal position and to thereafter raise said footrest and support bodily vertically to a higher horizontal position relative to said seat.

5. A reclining chair having, in combination a seat fixed in position, a footrest, a support to which said footrest is pivoted, and a single lifting device having direct engagement with said rest and having a cam portion acting on said support, said device being effective to first swing said footrest about its pivot and to thereafter lift said footrest and support bodily relative to said seat.

6. A reclining chair having, in combination, a footrest, a support to which said footrest is pivoted, a single lifting device having direct engagement with said rest and having a cam portion acting on said support, said device being effective to first swing said footrest about its pivot and to thereafter lift said footrest bodily, and a spring actuated locking device effective to hold said parts in any adjusted position.

7. A reclining chair having, in combination, a two-part footrest, separate slides to which each such part is hinged, supporting means therefor, a hand lever for each part having an end portion engaging the footrest, and having an intermediate cam portion engaging said slides and effective to raise said slides and rest simultaneously above normal raised position.

In testimony whereof I have hereunto affixed my signature.

ANDREW RUSSO.