

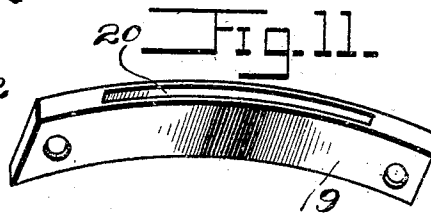
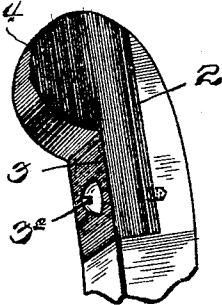
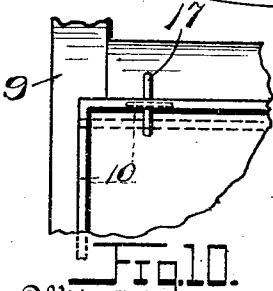
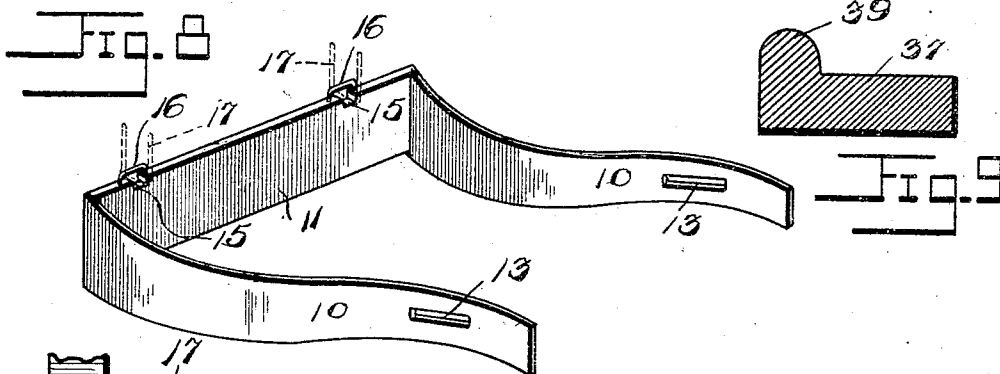
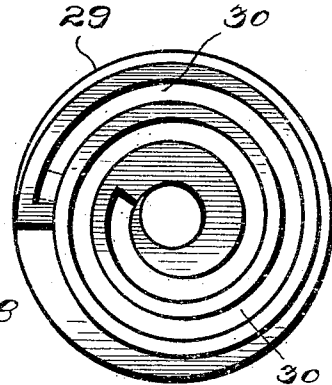
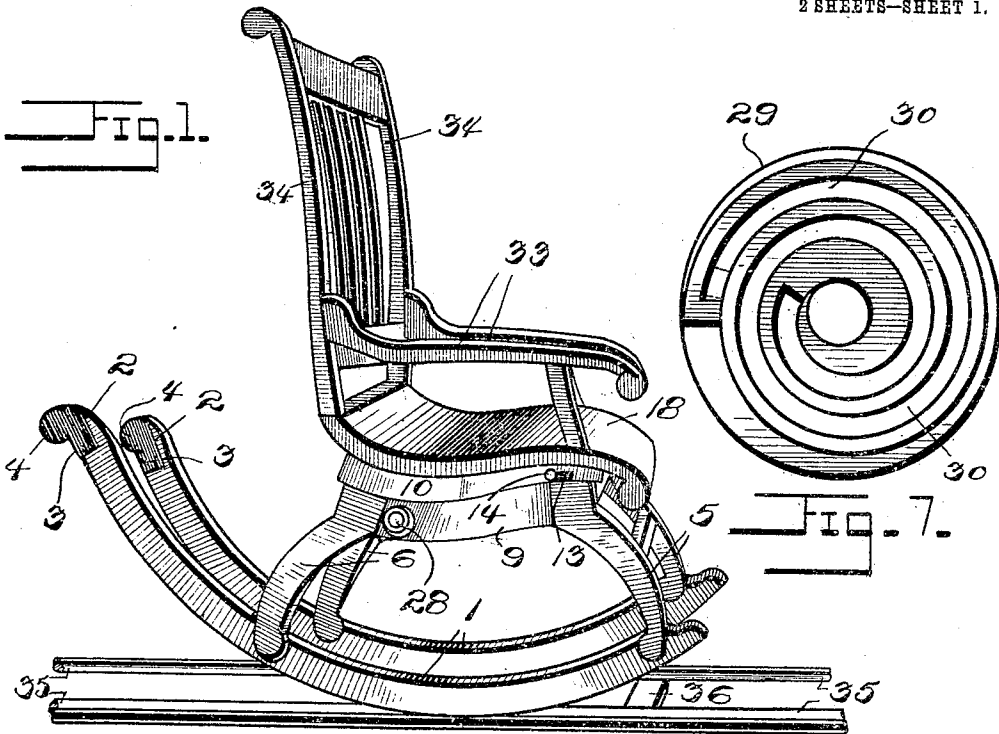
J. SMITH.
ROCKING CHAIR.

APPLICATION FILED JAN. 23, 1909.

956,547.

Patented May 3, 1910.

2 SHEETS—SHEET 1.



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2 SHEETS—SHEET 2.

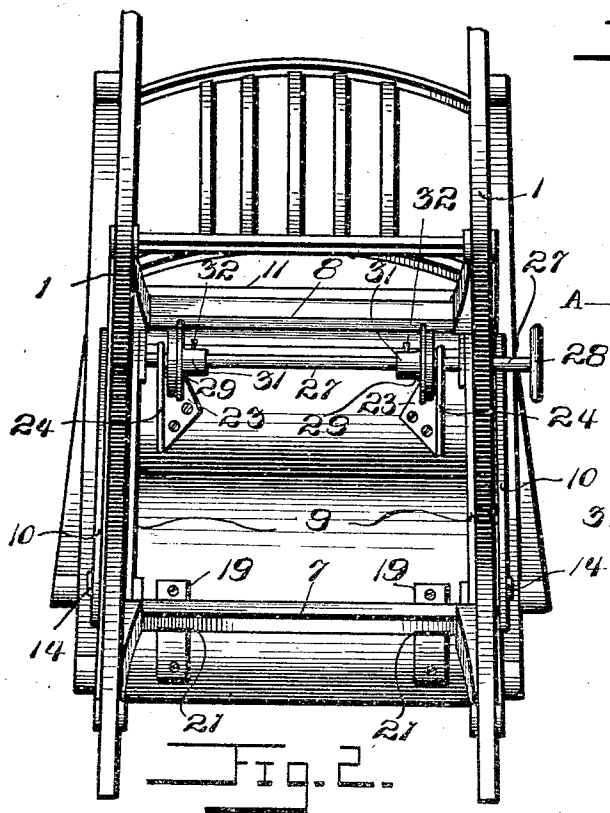


FIG. 4.

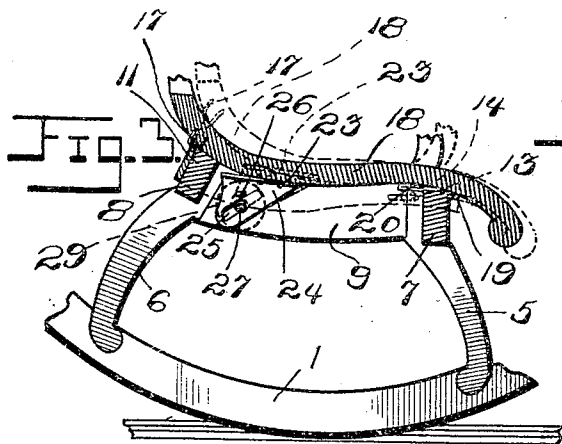
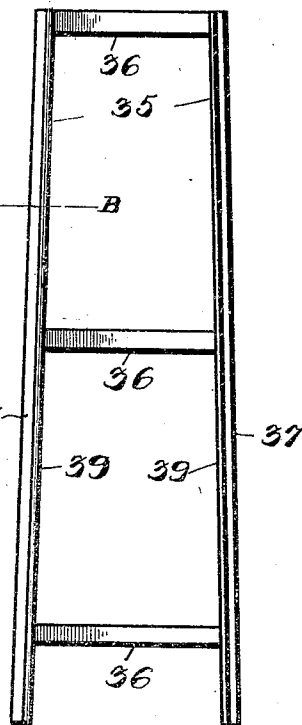


FIG. 5.

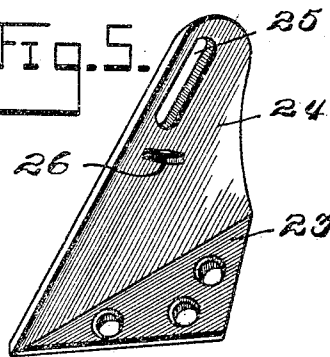
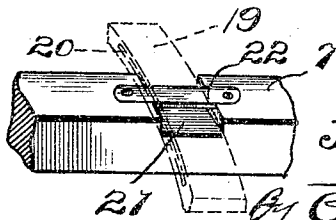


FIG. 6.



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UNITED STATES PATENT OFFICE.

JOHN SMITH, OF BINGHAM CANYON, UTAH.

ROCKING-CHAIR.

956,547.

Specification of Letters Patent.

Patented May 3, 1910.

Application filed January 23, 1909. Serial No. 473,915.

To all whom it may concern:

Be it known that I, JOHN SMITH, a citizen of the United States, residing at Bingham Canyon, in the county of Salt Lake and State of Utah, have invented certain new and useful Improvements in Rocking-Chairs, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to rocking chairs, and has specially in view certain novel improvements therein whereby the same may be adjusted for persons of different sizes, and also whereby it may be used as a reclining chair without any danger of overturning.

In connection with the foregoing objects of the invention, a novel type of buffer for the rear ends of the rockers is employed which obviates any damage being done to the floor or other surface on which said rockers are resting, and finally, the invention contemplates a novel type of track for supporting the chair, in which provision is made for preventing the rockers of the chair being displaced from said track.

In carrying out the objects of the invention generally stated above it will, of course, be readily understood that the same is susceptible of a wide range of structural arrangement, and details, one practical and preferred embodiment of which is shown in the accompanying drawings, wherein—

Figure 1 is a perspective view of the improved chair and the track therefor. Fig. 2 is a bottom plan view of the chair. Fig. 3 is a fragmentary sectional view showing the adjustable connection between the seat and the seat frame. Fig. 4 is a plan view of the track. Fig. 5 is a detail perspective view of one of the brackets used for adjusting the seat. Fig. 6 is a detail perspective view of the connection between the front portion of the seat and the frame therefor. Fig. 7 is a detail view of one of the seat adjusting brackets. Fig. 8 is a perspective view of a supplemental or filler frame which forms a part of the adjustable connection between the seat and its supporting frame. Fig. 9 is a transverse sectional view taken on the line A—B, Fig. 4. Fig. 10 is a fragmentary bottom plan view of one corner of the seat showing the connection between the same and the filler frame. Fig. 11 is a perspective view of one of the slidable members which connect the front of the seat with its

supporting frame. Fig. 12 is a detail perspective view of one of the rear ends of the rockers, showing the manner of applying a buffer thereto.

Referring to said drawings by numerals, the improved chair is provided with the elongated curved rockers 1 the rear ends of which are mortised as indicated at 2 for the reception of a buffer pad 3 provided at its outer end with a downwardly curved pendent rounded portion 4 which projects well below the plane of the bottom edge of the rockers, so that the same will be in a position to contact with the surface upon which said rockers are supported before the same have passed their centers, thereby overcoming any danger of the chair overturning, as will be readily understood.

In the accompanying drawings, the improved buffer pad is shown as composed of rubber, but it will be understood that any other type of cushion may be employed.

The seat supporting frame is composed of the usual front and rear legs 5 and 6, which have their upper portions connected by the front and rear bars 7 and 8, and the side bars 9. The feet of said legs have a rigid engagement with the rockers 1 at the front ends and at an intermediate portion, which arrangement provides for a long rearward extension of said rockers so that the chair may be used for reclining. A filler frame surrounds the rear and both sides of the upper portion of the seat supporting frame, said filler frame being composed of side arms 10 and rear connecting member 11. The side arms 10 are provided with a slot 13 for the reception of a headed bolt 14 carried by the front portion of the seat supporting frame which permits of said frame having a longitudinal movement relative to said seat supporting frame and also a pivotal movement. The rear connecting member 11 is provided with recesses or slots adjacent to each end thereof which are spanned by a keeper loop 16 which serves to retain staples or equivalent fastening means 17 therein and which serve to retain said member 11 in rigid engagement with the rear end of the seat 18. Said seat may be of the compound curve shape shown, or any other shape, and at its under side, and adjacent to the forward edge thereof it carries two spaced apart slide strips 19 which are held thereon by means of screws or like fastening means and which have a trans-

verse slot formed through them as indicated at 20. Said strips fit within recesses or notches 21 formed in the front member 7 of the seat frame and are limited in their movement relative to said front member by means of a strap 22 carried by said front member and which passes through the slot 20. The under surface of the seat adjacent to its rear edge is provided with two adjusting brackets, said brackets being regularly spaced apart and composed of a single piece of material having one portion bent to form a flange 23 which has a rigid, but detachable screw engagement with the said seat, and a pendent vertical portion 24 provided with a vertically inclined slot 25 and an outstanding lateral lug 26.

An adjusting shaft 27 extends through the rear portion of the seat supporting frame and through the slots 25 in the brackets, one end of said shaft being projected beyond the side of said frame and carrying a handwheel or handle 28 for operating the same. Said shaft 27 also carries cam wheels 29 provided with the spiral cam grooves 30 with which the lug of each of the seat brackets engage. Said cam wheel is provided with a hub 31 having a set screw or the like 32 passing through it which engages with the said shaft 27 so that the said hub may be rigidly held in engagement therewith.

The seat 18 is provided with the usual side arms 33 and a high back 34.

The improved rocking and reclining chair described in detail in the foregoing description is especially adapted to use in connection with a novel type of rocker tracks or supports shown in detail in Fig. 4 of the accompanying drawings. Said tracks are composed of the two rails 35 which are held in spaced relation by means of the crossing strips 36, said rails being preferably held at a slightly relative inclination to accord with the usual relative arrangement of rockers. Said rails are each provided with a flat bearing surface 37 having an upstanding guard flange 39 at their inner longitudinal sides

which holds the rockers on said flat bearing surface.

From the foregoing description it will be seen that by means of the engagement between the lugs 26 of the brackets of the seat and the spiral groove 30 of the cam wheels 29, a rotation of the operating or adjusting shaft 27, will raise or lower the rear end of the seat 18 and at the same time project the same either forwardly or rearwardly, as indicated in Fig. 3, the forward and rearward movement being permitted through the described connection between the front of the seat and its supporting frame, as is shown in Figs. 3 and 6.

In Fig. 3 of the accompanying drawings the buffer pad is shown as having a screw engagement 3^a with the mortised portion of the rocker. It will, of course, be understood that the same is but one of many ways in which said pad may be attached, the object sought being to obtain a readily detachable means for holding said pad in rigid engagement with the rocker.

Claim:—

A chair of the character described, comprising a seat supporting frame, the front connecting member of which is notched or recessed, rockers for said frame provided with elongated rear extensions, a filler frame having a slidable engagement with said seat frame, a seat having one portion in rigid engagement with said filler frame, slide strips carried by the other portion of said seat, said slide strips being provided with transverse openings and fitting the notches or recesses in the front connecting member of the seat frame, a strap passing through said transverse opening for limiting the sliding movement of said strips, and means for adjusting said seat.

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

JOHN SMITH.

Witnesses:

F. H. CELLVENTRA,
L. CHIDESTER.