Sept. 5, 1950 J. A. CAMERON 2,521,283

FOLDABLE SELF-ADJUSTING RECLINING CHAIR

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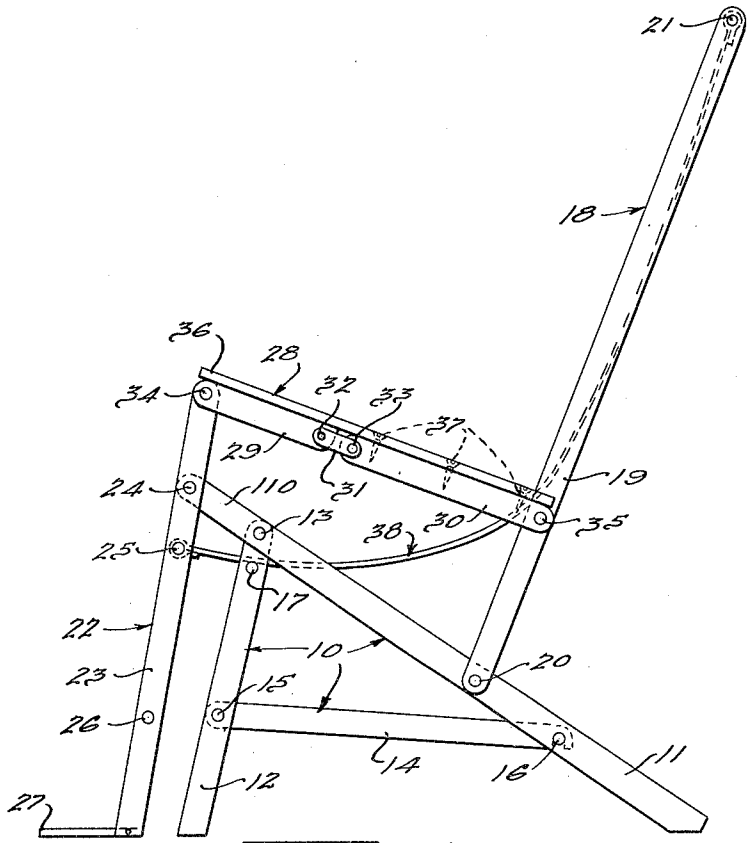


FIG. 1.

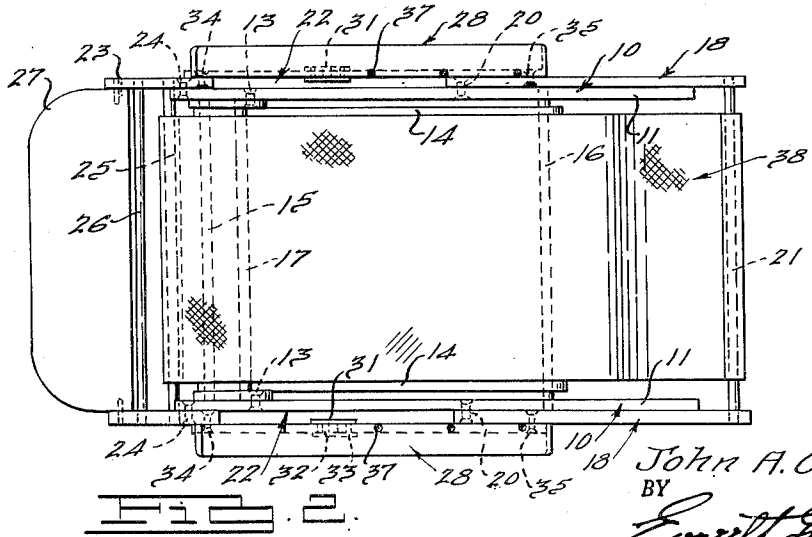


FIG. 2.

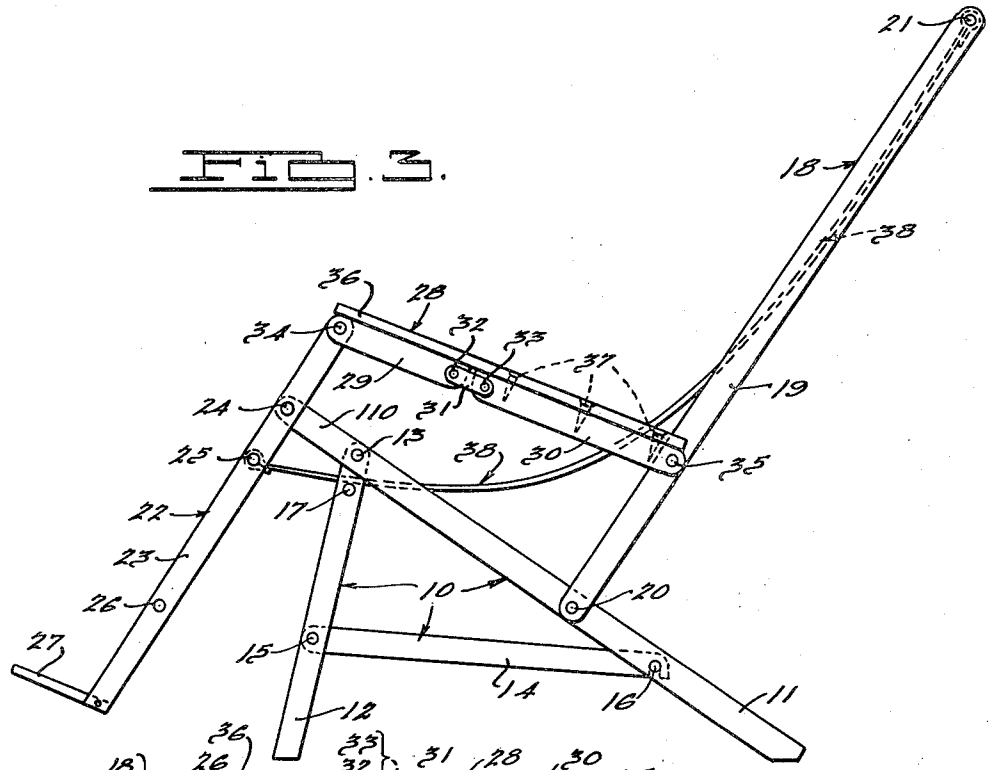
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Fig. 3.



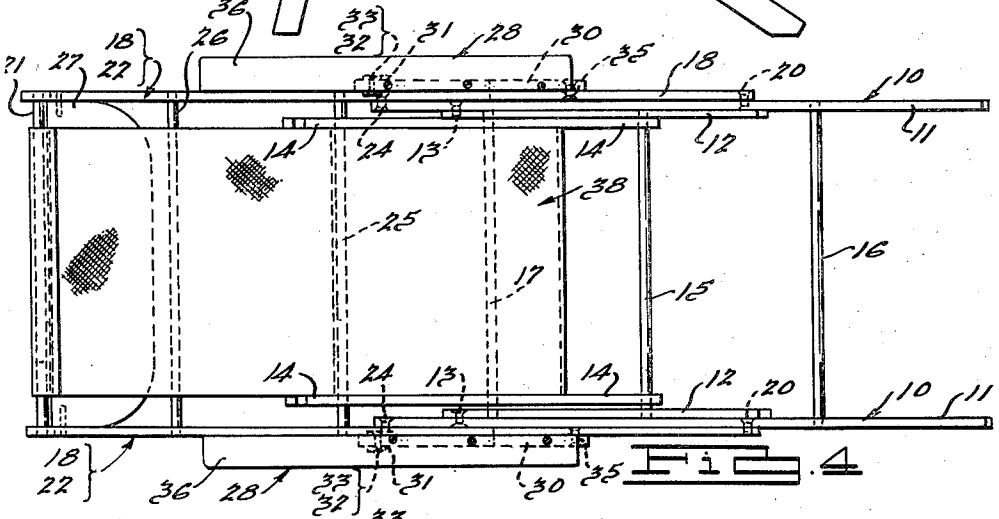


Fig. 4.

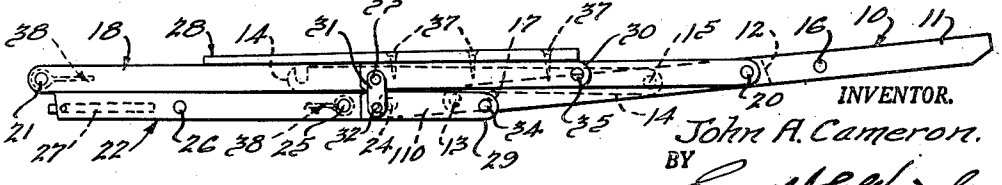


Fig. 5.

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FOLDABLE SELF-ADJUSTING RECLINING CHAIR

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Application June 20, 1946, Serial No. 678,119

1 Claim. (Cl. 155—110)

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This invention relates to self-adjusting reclining chairs of the type which is readily foldable for portability and storage.

The primary object of the present invention is to provide an improved foldable reclining chair self-adjusting to the postural attitude assumed by an individual sitting in the chair responsive to a definite but a slight urge of the sitter, and which will remain in its adjusted position until the sitter purposefully readjusts his postural attitude by another definite but slight urge.

Another object of the invention is to provide an improved foldable reclining chair which may be easily and readily folded into a solid compact transportable unit.

A further object of the invention is to provide an improved foldable reclining chair which is constructed of a minimum of parts, is light in weight, economical to manufacture, readily packed and shipped, easily set up and folded and which provides postural adjustment and comfort with a feeling of security not present in other chairs of the same general type.

Other objects of the invention will become apparent by reference to the following detailed description taken in connection with the accompanying drawings, in which:

Fig. 1 is a side elevational view of a folding reclining chair embodying the invention disposed in its upright position.

Fig. 2 is a plan view of the illustrative embodiment of the invention disclosed in Fig. 1.

Fig. 3 is a side elevational view similar to Fig. 1 showing the folding reclining chair in a reclined position.

Fig. 4 is a plan view of the said folding reclining chair in its folded position.

Fig. 5 is a side elevational view of the said folding reclining chair in its folded position.

Referring now to the drawings wherein the numerals refer to like and corresponding parts throughout the several views, the particular embodiment of the improved self-adjusting reclining chair disclosed for the purpose of illustrating the invention comprises an A-frame support 10 composed of a pair of rearward sloping rear legs 11 each having an upper end 110 extending forward of the apex of the said A-frame 10, a pair of forwardly sloping front legs 12 disposed laterally within the said rear legs 11 and pivoted thereto by means of pivots 13, and a pair of longitudinal tie members 14 pivoted to the lower cross bar 15 disposed between the front legs 12 and hooked over the cross bar 16 disposed between the rear legs 11, and an upper cross bar

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17 disposed between the front legs 12 below the said pivot 13, a back member 18 composed of a pair of side rails 19 pivoted at their lower end by means of pivots 20 to the rear legs 11 and spaced at their upper end by a cross bar 21, a leg rest element 22 composed of a pair of side rails 23 pivoted by means of pivots 24 to the upper extending forward ends 110 of the rear legs 11 of the A-frame 10, upper and lower cross bars 25 and 26, and a foot rest 27 disposed between and pivoted to the side rails 23 at the lower end thereof, a pair of arm members 28 each composed of forward and rear rails 29 and 30 pivotally linked together forward of the longitudinal center of the arm member 28 by a pair of links 31 and link pivots 32 and 33, each of the said forward arm rails 29 being pivoted at the forward end thereof to the top of a side rail 23 of the leg rest element 22 by a pivot 34 and each of the said rearward arm rails 30 being pivoted at the rearward end thereof to a side rail 19 of the back member 18 by a pivot 35, and an arm rest 36 extending over the entire length of each arm member 28 secured only to the top of the rear arm rail 30 by such means as the screws 37, and a flexible sitter's body supporting member 38 of such material as canvas, rubberized reticulated material or the like preferably looped around the transverse cross bar 21 disposed between the upper ends of the side rails 19 of the back member 18 positioned over the upper cross bar 17 of the sloping front legs 12 of the A-frame 10, and looped around the upper cross bar 25 of the leg rest element 22.

The folding reclining chair disclosed contemplates the use of wooden rails, cross bars, tie members, foot rests and arm rests; however, it is obvious that aluminum or other metal tubular members may replace the wooden framing disclosed and that plastic cloth or other flexible material may be substituted for the usual canvas or rubberized reticulated material hereinbefore mentioned.

With the hereinabove disclosed and described construction, a folding reclining portable chair is provided which is very comfortable in which to sit, which may be adjusted to any reasonable degree of reclining with a definite but a slight urge of the sitter coupled with the alteration of his postural attitude. Furthermore, it is easily and readily folded into a substantially flat compact position as shown in Fig. 5 in which folded position it is easily packed in a carton for shipment and storage and may be conveniently stored and transported from place to place when not packaged.

Although but a single embodiment of the invention has been disclosed and described in detail, it is obvious that many changes may be made in the size, shape, arrangement and detail of the various elements thereof without departing from the spirit and scope of the invention as defined by the appended claim.

I claim:

A foldable self-adjusting reclining chair comprising an A-frame support composed of a pair of rearward sloping rear legs each having an upper end extending forward of the apex of the said A-frame, a pair of forwardly sloping front legs disposed laterally within the said rear legs and pivoted thereto at the said apex, a pair of cross bars disposed between the front legs and a single cross bar disposed between the rear legs, and a pair of longitudinal tie members pivoted to the lower cross bar disposed between the front legs and hooked over the cross bar disposed between the rear legs, and the said upper cross bar disposed between the front legs being located below the said pivot; a back member composed of a pair of side rails pivoted at their lower ends to the rear A-frame legs and a cross bar spacing the upper ends of said side rails; a leg rest element composed of a pair of side rails pivoted near the upper ends thereof to the upper extending forward ends of the rear legs of the said A-frames, upper and lower cross bars spacing said side rails, the said upper cross bar being disposed below the point where the side rails are pivoted to the said A-frames, and a foot rest disposed between and pivoted to the said side rails at the lower ends thereof; a pair of arm members each composed of forward and rear rails pivotally linked together forward of the longitudinal center of the said arm member, each of the said forward arm rails being pivoted at the forward end thereof to the top of a side rail of the leg rest element and each of the said rearward arm rails being pivoted at the rearward end thereof to a side rail of the back member, and an arm rest extending over the entire length of each arm member secured only to the rear arm rail, and a flexible sitter's body supporting member secured at one end to the cross bar disposed between the upper ends of the side rails of the back member and positioned over the upper cross bar of the sloping front legs of the A-frame and secured at its other end to the upper cross bar of the said leg rest element.

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