Feb. 25, 1941. E. L. WEAVER 2,232,985

ADJUSTABLE WHEEL CHAIR

Filed July 19, 1940

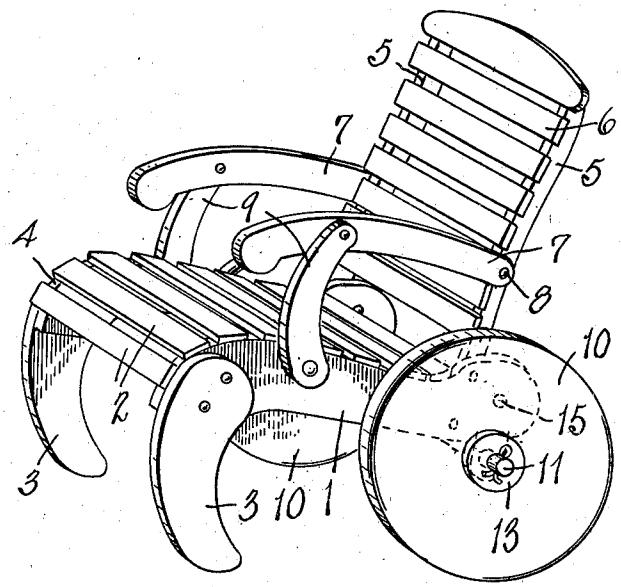


Fig. 1.

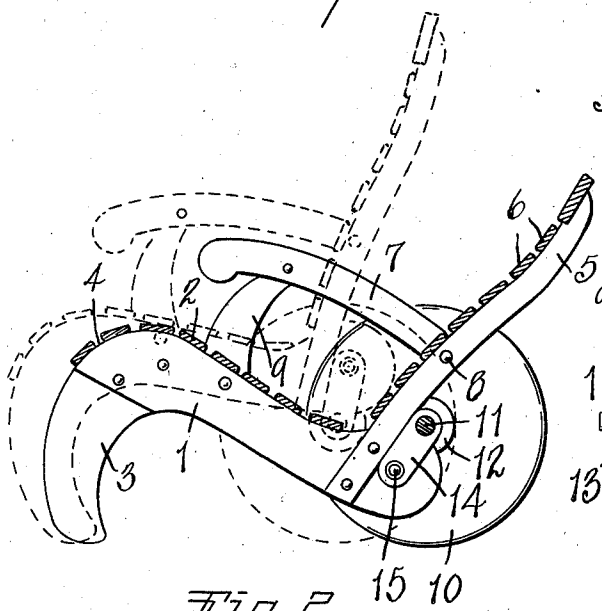


Fig. 2.

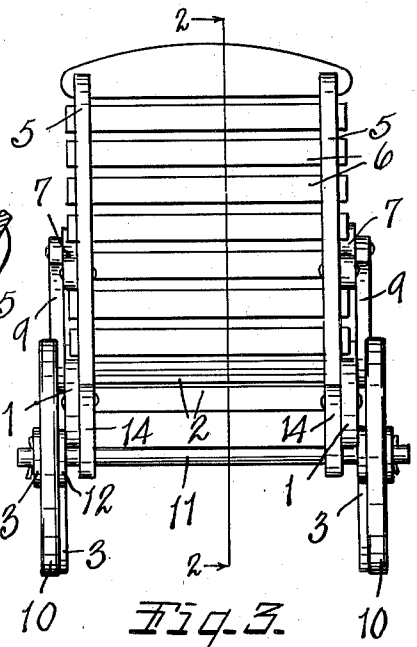


Fig. 3.

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ADJUSTABLE WHEEL CHAIR

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4 Claims. (Cl. 155—116)

The main objects of this invention are:

First, to provide an adjustable reclining wheel chair which may be quickly adjusted from sitting to reclining position and wheeled about when in either position.

Second, to provide a structure having these advantages which is well adapted for lawn or outdoor use.

Third, to provide a structure of this character which is very simple in its parts and strong and durable in structure with a minimum of moving parts to effect adjustment.

Objects relating to details and economies of the invention will appear from the description to follow. The invention is defined and pointed out in the claims.

A preferred embodiment of the invention is illustrated in the accompanying drawing, in which:

Fig. 1 is a front perspective view of a structure embodying the features of my invention.

Fig. 2 is a vertical front to rear section on line 2—2 of Fig. 3, the chair shown adjusted to reclining position by full lines and in upright position by dotted lines.

Fig. 3 is a rear elevation.

In the embodiment of my invention illustrated in the accompanying drawing, the seat side bars 1 are formed of flat stock suitably shaped on the upper edge to receive the slats 2 which are secured thereto and provide a suitably shaped curved seat with a rounded front portion.

The front legs 3 are secured on the outer sides of the side bars 1 and the front edges of these legs are preferably curved to form continuations of the curved portions 4 of the front ends of the seat side bars.

The back comprises the uprights or back bars 5 which are secured to the inner sides of the seat side bars in forwardly spaced relation to the rear ends of the seat side bars. The bars 5 are suitably shaped so that the slats 6 secured thereto provide a suitably curved or shaped back. The arms 7 are secured to the back bars at 8 and are supported at their forward ends by the uprights 9.

The wheels 10 are provided with an axle 11 which is of such length that the wheels are supported in planes outside of the seat side bars, the axle being provided with collars 12 and 13 for positioning the wheels. The axle is carried by link-like hangers 14 which are pivoted at 15 at the rear of the back bars so that the hangers may swing to an upwardly and rearwardly inclined position in supported relation to the back bars as shown in Fig. 2 or a downwardly and forwardly inclined position in supported relation to the back bars. In other words, the back bars constitute stop supports or rests for the hangers when in either position.

When the hanger links are adjusted to the downward position as shown in Fig. 1, the chair is in its upright position as shown in Fig. 1 and by dotted lines in Fig. 2. When the hanger links are adjusted to the position shown in Fig. 3 the back is substantially inclined or the chair is adjusted to its reclining position. In either position, the chair may be moved about on its wheels.

The front wheels provide stability for holding the chair so that it does not accidentally roll about as on a lawn or on a floor or sidewalk.

My improved reclining chair is very simple and economical in structure and at the same time is strong and rigid without undue weight. The adjustments may be very quickly effected to adapt the chair as a sitting or upright chair or as a reclining chair.

I have illustrated and described my improvements in an embodiment which I consider very practical. I have not attempted to illustrate or describe other embodiments or adaptations as it is believed that this disclosure will enable those skilled in the art to embody or adapt my invention as may be desired.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent, is:

1. In an adjustable chair, the combination with a seat comprising side bars and a seat bottom secured to the upper edges thereof, of front legs secured to the front ends of said side bars, a back comprising back bars fixedly secured to the inner sides of said side bars and in spaced relation to the rear ends thereof, wheels constituting rear supports for said side bars, an axle for said wheels, and link-like hangers carrying said axle pivoted to the inner sides of said side bars at the rear of said back bars to permit their being swung to a downwardly and forwardly inclined position in supported engagement with said back bars or to an upwardly and rearwardly inclined position in supported engagement therewith.

2. In an adjustable chair, the combination with a seat comprising side bars, of front legs secured to the front ends of said side bars, a back comprising uprights fixedly secured to the inner sides of the side bars in forwardly spaced relation to the rear ends thereof, wheels constituting rear supports for said side bars, an axle for said wheels, and hangers carrying said axle and pivoted to the inner sides of said side bars at the rear of said uprights to permit their being swung

to a downwardly and forwardly inclined position in supported engagement with said uprights or to an upwardly and rearwardly inclined position in supported engagement therewith.

3. In an adjustable chair, the combination with a seat comprising side bars, of a back comprising uprights fixedly secured to said side bars in spaced relation to the rear ends thereof, wheels, an axle for said wheels, and hangers carrying said axle and pivoted to said side bars at the rear of said uprights to permit their being swung to a downwardly and forwardly inclined position in supported engagement with said uprights or to an upwardly and rearwardly inclined position in supported engagement therewith.

4. In an adjustable chair, the combination with a seat comprising side bars, of a back comprising uprights fixedly secured to said side bars in spaced relation to the rear ends thereof, wheels, an axle for said wheels, and hangers carrying said axle and pivoted to said side bars at the rear of said uprights to permit their being swung to a depending position with the axle below said side bars or to an upwardly projecting position with the axle above said side bars.

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