

No. 629,540.

Patented July 25, 1899.

C. E. & D. W. BROWER.
RECLINING CHAIR.

(Application filed Aug. 17, 1898.)

(No Model.)

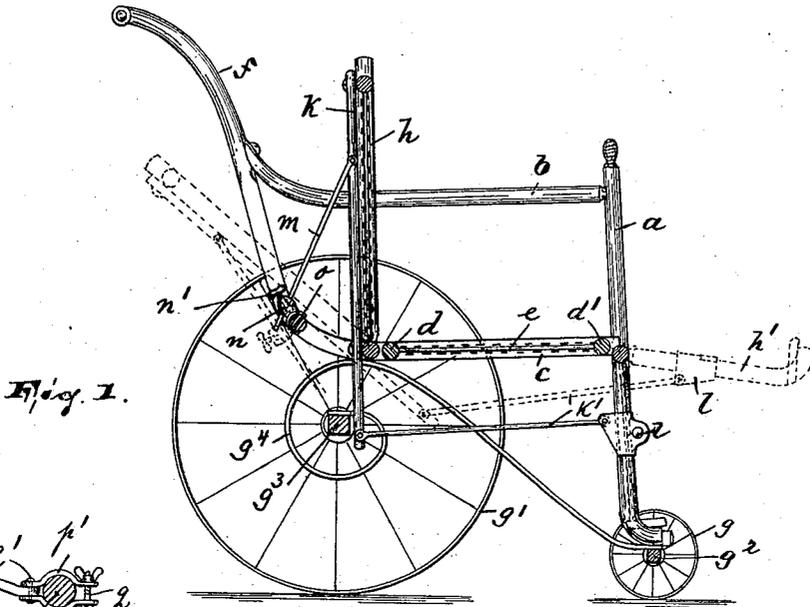


Fig. 1.

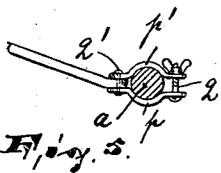


Fig. 2.

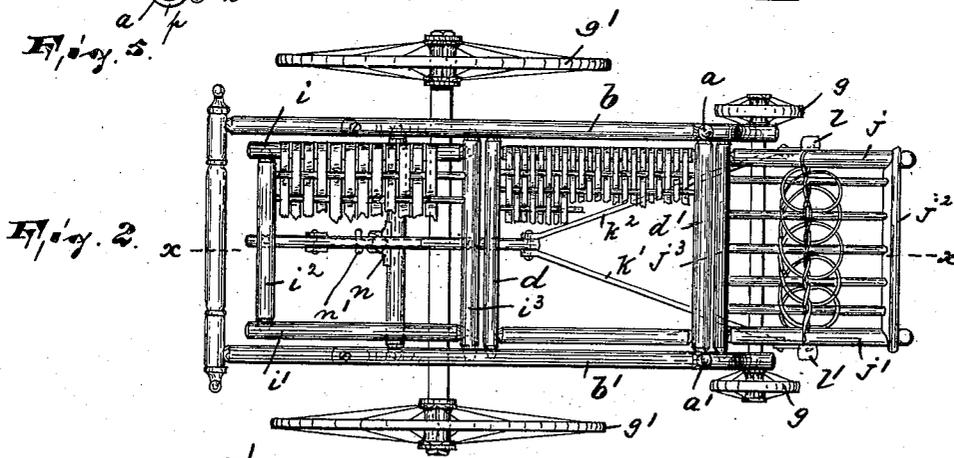


Fig. 3.

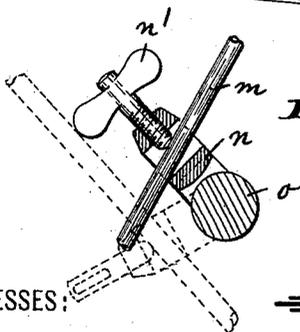


Fig. 4.

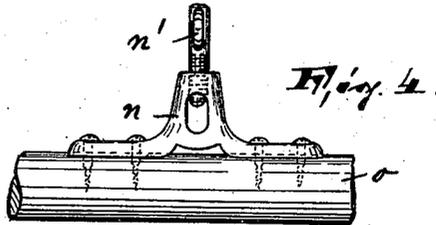


Fig. 5.

WITNESSES:

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UNITED STATES PATENT OFFICE.

CARRIE E. BROWER AND DANIEL W. BROWER, OF PATERSON, NEW JERSEY.

RECLINING-CHAIR.

SPECIFICATION forming part of Letters Patent No. 629,540, dated July 25, 1899.

Application filed August 17, 1898. Serial No. 688,776. (No model.)

To all whom it may concern:

Be it known that we, CARRIE E. BROWER and DANIEL W. BROWER, citizens of the United States, residing in Paterson, in the county of Passaic and State of New Jersey, have invented certain new and useful Improvements in Reclining-Chairs; and we do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

Our invention relates to reclining-chairs; and its object is to provide a chair of this nature which shall be convertible for receiving a person either in a sitting or a reclining position.

The reclining-chair which is provided with our improvements is shown in the accompanying drawings, and is hereinafter described as mounted on wheels and as constituting what is commonly known as a "child's go-cart;" but we desire it to be distinctly understood that we do not wish to be limited to the chair as involving these any more than other likewise more or less immaterial features.

The invention consists in the improved convertible chair and in the combination and arrangement of the various parts thereof substantially as will be hereinafter specified.

In the accompanying drawings, Figure 1 is a view in vertical longitudinal section of our invention, taken on the line xx of Fig. 2. Fig. 2 is a top plan view of our improved chair, portions thereof being shown as removed to better illustrate the working parts. Figs. 3 and 4 are views of certain details of our invention, and Fig. 5 is a view of a modification of a certain part thereof.

The frame of the chair consists of a forward pair of uprights $a a'$, upper and lower pairs of side bars $b b'$ and $c c'$, respectively, connected at their front ends to said uprights, and cross-rods $d d'$, connecting the lower pair of said bars $c c'$ and forming with a seat-bottom e , of cane or other suitable material, the seat of the chair. The lower side bars $c c'$ are deflected upwardly at their rear ends and ter-

minate in the handle f , and the upper side bars $b b'$ are connected to the handle f at their rear ends in any suitable manner.

The above-described frame is supported upon the wheels g and g' , the wheels g being journaled on an axle g^2 to the lower ends of the uprights a and the wheels g' , which are considerably larger than the wheels g , being journaled on said axle g^2 , which is secured to the rear ends of a pair of partially-spiral springs g^4 , which springs are connected at their front ends to the lower ends of said uprights a .

h and h' respectively represent the back and the foot-rest of the chair. The back h consists of a rectangular frame comprising side rods i and i' , a cross-bar i^2 , connecting said side rods at their upper ends, and a cross-bar i^3 , connecting said side rods at their lower ends and projecting into and having bearings in the side bars $d d'$. The foot-rest consists of side rods $j j'$, foot-bar j^2 , connecting said side rods at their lower ends, and a cross-bar j^3 , connecting said side rods at their upper ends and projecting into and having bearings in the side bars $d d'$. Both the back and the foot-rest may be provided with any suitable material for filling in the space included by their side and upper and lower members. We have shown wicker-work in the drawings as serving this purpose.

The back h carries, rigidly secured thereto, a vertical bar k , whose lower end projects considerably below the cross-rod i^3 of the back, and to which is pivotally secured a pair of connecting-rods k' and k^2 , which extend forward and which in turn are pivotally connected at their front ends to brackets $l l'$, respectively, one of said brackets being secured to each of the side rods $j j'$ of the foot-rest and an appreciable distance from the upper ends thereof. From the foregoing it will be seen that when the back is moved about its cross-rod i^3 as an axis the foot-rest h' will likewise be moved about its cross-rod j^3 as an axis.

The means for securing the interconnected back and foot-rest in a desired position consists of a supporting-rod m , pivoted at its upper end to the vertical bar k and projecting

through and sliding in a clamp *n*, having a set-screw *n'* and rigidly mounted on a rung *o*, journaled on its ends in the side bars *d d'*. It is thus seen that whenever it is desired to lower the back, and consequently raise the foot-rest, the set-screw *n'* is released and the back permitted to fall, the movable parts taking the position shown in the dotted lines in Fig. 1. When the parts have been adjusted to the position desired, the set-screw is again turned into engagement with the supporting-rod *m*. We have made the clamp revoluble about the rung *o* as an axis, so that a greater movement to the back may be secured.

In lieu of the brackets *ll'* adjustable brackets each consisting of a pair of clamps *p p'* and secured together by a bolt *q* and a set-screw *q'* may be provided, as shown in Fig. 5. The substitution of the adjustable brackets for the brackets *ll'* renders it possible at any time to arrange the foot-rest at different angles relatively to the back.

Having thus fully described our invention, what we claim, and desire to secure by Letters Patent, is—

1. In a convertible chair, the combination of the frame including the seat, a back and a foot-rest pivotally connected to said frame, a vertical bar secured to said back and projecting below the same, rods adjustably connecting said foot-rest and the free end of said bar and pivotally secured to each of them, a supporting-rod pivotally connected to said bar and a clamp carried by the frame and penetrated by and adapted to sustain said supporting-rod in various positions, substantially as described.

2. In a convertible chair, the combination of the frame including the seat, wheels carrying said frame, a back and a foot-rest pivotally connected to said frame, and a vertical bar secured to said back and projecting below the same, rods pivotally connected at one

end to said foot-rest and at the other end to the free end of the bar and adjustably connected to the former, a supporting-rod pivotally connected to said bar and a clamp carried by the frame and penetrated by and adapted to sustain said supporting-rod in various positions, substantially as described.

3. In a convertible chair, the combination of the frame including the seat, wheels carrying said frame, a back and a foot-rest pivotally connected to said frame, a vertical bar secured to said back and projecting below the same, brackets adjustably mounted on said foot-rest, rods pivotally connected at one end to the free end of said bar and at the other end to said brackets, a supporting-rod pivotally connected to said bar and a clamp carried by the frame and penetrated by and adapted to sustain said supporting-rod in various positions, substantially as described.

4. In a convertible chair, the combination of the frame including the seat, wheels carrying said frame, a back and a foot-rest pivotally connected to said frame, a vertical bar secured to said back and projecting below the same, brackets adjustably mounted on said foot-rest, rods pivotally connected at one end to the free end of said bar and at the other end to the brackets, a supporting-rod pivotally connected to said bar, a rung journaled in the frame, and a clamp carried by said rung and penetrated by and adapted to sustain said supporting-rod in various positions, substantially as described.

In testimony that we claim the foregoing we have hereunto set our hands this 10th day of August, 1898.

CARRIE E. BROWER.
DANIEL W. BROWER.

Witnesses:

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JOHN W. STEWARD.