

(No Model.)

D. WILCOX.
ADJUSTABLE CHAIR.

No. 318,673.

Patented May 26, 1885.

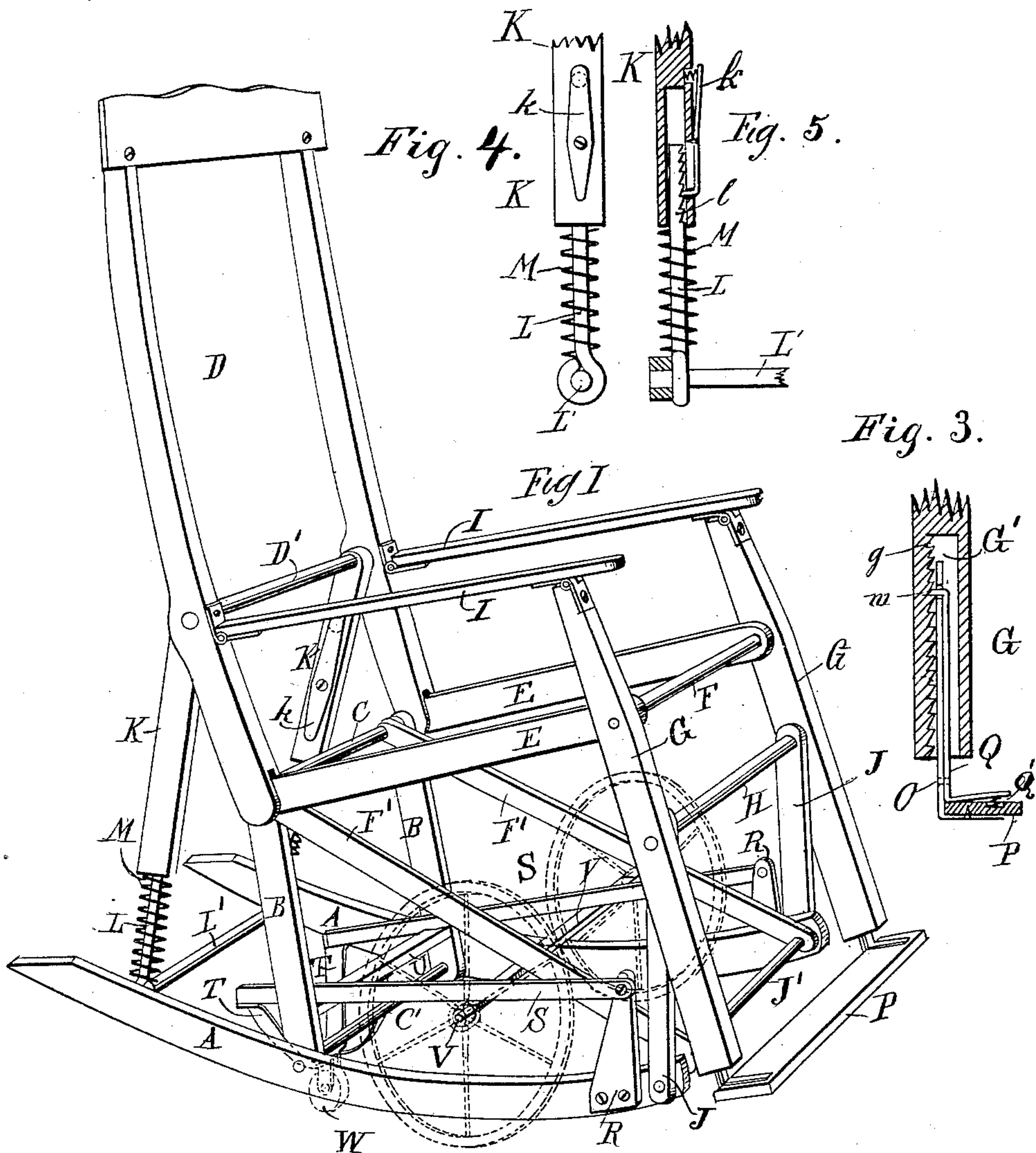


Fig. 2.

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ADJUSTABLE CHAIR.

SPECIFICATION forming part of Letters Patent No. 318,673, dated May 26, 1885.

Application filed November 3, 1884. (No model.)

To all whom it may concern:

Be it known that I, DANIEL WILCOX, of Springwater, in the county of Livingston and State of New York, have invented a new and Improved Adjustable Chair, of which the following is a full, clear, and exact description.

The object of my invention is to provide a new and improved rocking-chair which can easily be adjusted as a reclining-chair.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view of my improved adjustable chair. Fig. 2 is a detail rear view of the lower part. Fig. 3 is a longitudinal sectional elevation of the supports for the foot-rest. Fig. 4 is a longitudinal view of one of the adjustable braces for the back. Fig. 5 is a longitudinal sectional elevation of the same.

To the two runners or rockers A the rear legs, B, are pivoted at the middle, which legs are united at their upper ends by a cross-rod, C, and at their lower ends by a cross-rod, C'.

On the ends of the cross-rod C is pivoted the back-rest D, the side bars of which are united a short distance above their lower ends by a cross-rod, D'.

In the lower ends of the side bars of the back-rest D, and on the ends of the cross-rod C, are pivoted the inner ends of the seat side bars, E, the outer ends of which are united by a cross-rod, F, on the ends of which the front legs, J, are pivoted, which are united by a cross-rod, H, a short distance below the cross-rod F. The arm-rests I have their inner ends pivoted to the uprights of the back-rest, and their front ends pivoted to the upper ends of the leg-bars G.

On the cross-rod H the front legs, J, are pivoted, which have their lower ends pivoted on the ends of a cross-rod, J', uniting the front ends of the runners or rockers.

Brace-rods F' extend from the cross-rod C, at the upper ends of the rear legs, B, to the cross-rod J', at the lower ends of the front legs, J.

Adjacent to each side bar of the back-rest D a hollow brace-rod, K, is pivoted on the cross-rod D', into the lower end of each of which bars K a rod, L, projects, the lower

end of which is provided with an eye, through which a cross-bar, L', uniting the rear ends of the runners or rockers A, passes.

A spiral spring, M, surrounds each rod L, between the lower end of the said rod and the lower end of the corresponding bar, K. A rack, l, is cut in the upper part of each rod L, and on each bar K a spring-latch, k, is pivoted, the lower end prong of which passes through a slot in the bar K, and is adapted to engage with the teeth on the upper end of the corresponding bar, L.

The leg-bars G are each provided with a longitudinal aperture, G', extending from the bottom upward, on the back of each of which apertures G' a rack, g, is formed.

Into each aperture G' an L-shaped rod, O, passes, to the lower ends of which rods O a foot-rest bar, P, is secured.

On each bar O an L-shaped bar, Q, is pivoted, near the lower end, the bottom outwardly-projecting arm of each bar Q projecting over the foot-plate P, and being pressed upward from the same by a spring, Q', interposed between the said bottom arm of the bar Q and the foot-rest P.

The upper end of each bar Q is provided with a prong, m, which passes through an aperture in the upper end of the corresponding bar, O, and is adapted to engage with the teeth of the corresponding rack, g.

On the outer surface of each rocker A a short standard, R, is secured near the front end, on each of which standards a lever, S, is pivoted, which levers are united at their rear ends by a V-shaped piece, T, and a short distance from their rear ends by a brace, U, from which the V-shaped piece T is stiffened by means of a bar, U'.

A caster or roller, W, is pivoted in downwardly-projecting jaws on the piece T.

On each lever S a latch, a, is pivoted, which is adapted to engage with teeth b, formed on a plate, d, secured on the rear surface of the corresponding rear leg, B, and projecting from the inner side of the said rear leg.

An axle, V, is held on the two levers S at the sides of the chair, and on the ends of the said axle wheels are mounted.

The chair is adjusted in the following manner: To swing back the back-rest, the latches k are disengaged from the rack-teeth on the bars L,

thus permitting the said bars or rods to pass farther into the lower ends of the bars K. When the latches *k* are released, their lower ends pass inward and engage with the teeth on the bars L, thus locking the bars or rods L and the braces K in their relative position. When the back-rest swings back, the foot-rest P swings to the front. The foot-rest bar can be adjusted higher or lower by first pressing down on the outwardly-projecting ends of the bars Q, to disengage the prong *m* from the teeth on the rack *g*, and then pulling the bars O and Q out of or pushing them into the openings G' in the lower ends of the leg-bars G. As soon as the pressure is removed from the lower outwardly-projecting ends of the bars Q the springs Q' throw the ends *m* of the bars against the racks *g*, thus locking the bars O Q in place.

In case the chair is to be adjusted as an invalid-chair, the bars S are disengaged from the rear legs, B, and the legs raised, so that the caster W and the wheels held on the axle V rest on the floor, and then the bars S are locked on the rear legs for holding the parts in their relative position.

When the wheels are no longer desired, the bars S are raised sufficiently to prevent the caster and the wheels from being in contact with the floor.

Having thus fully described my invention, I claim as new and desire to secure by Letters Patent—

1. In an adjustable chair, the combination, with rockers or runners, legs pivoted on the rockers, and a seat and back pivoted on the legs, of telescopic braces secured to the rockers and to the back-rest, substantially as herein shown and described.

2. In an adjustable chair, the combination, with rockers or runners, legs pivoted on the rockers, and a seat and back pivoted on the legs, of the braces K, connected with the back-rest, the rods or bars L, connected with the rockers and projecting into the braces K, and of springs surrounding the bars L, between the lower ends of the said bars L and the

lower ends of the braces K, substantially as herein shown and described.

3. In an adjustable chair, the combination, with rockers or runners, legs pivoted on the rockers, and a seat and back pivoted on the legs, of the braces K, connected with the back-rest and provided with apertures in their lower ends, the latches *k* on the braces K, the bars L, pivoted on the runners and projecting into the apertures in the braces K, on which racks *l* are formed, substantially as herein shown and described.

4. In an adjustable chair, the combination, with the runners A, the front legs, J, the rear legs, B, and the seat-bars E, of the front leg-bars, G, pivoted to the arm-rest I, the seat-bars E, and the front legs, J, and of an adjustable foot-board held on the bars G, substantially as herein shown and described.

5. In an adjustable chair, the combination, with the runners A, the front legs, J, the rear legs, B, and the seat-bars E, of the leg-bars G, pivoted to the arm-rests I, the side bars, E, and the front legs, J, of an adjustable foot-rest held on the bars G, and of latch-bars held on the foot-rest and adapted to catch on racks formed in the bars G, substantially as herein shown and described.

6. In an adjustable chair, the combination, with the runners A, the front legs, J, the rear legs, B, and the seat-bars E, of the front leg-bars, G, having apertures in which racks *g* are formed, the foot-board P, the bars O Q, and the springs Q', substantially as herein shown and described.

7. In an adjustable chair, the combination, with a supporting-frame and the runners A, of the standards R, the bars S, the cross-piece T, the caster W, the axle V, wheels on the ends of the axle, the latches *a* on the bars S, and the pivoted plates *d* on the rear legs, B, substantially as herein shown and described.

DANIEL WILCOX.

Witnesses:

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