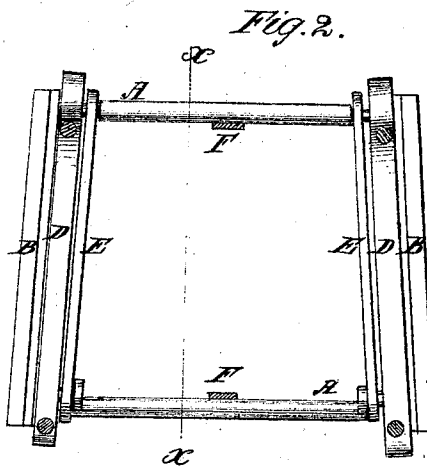
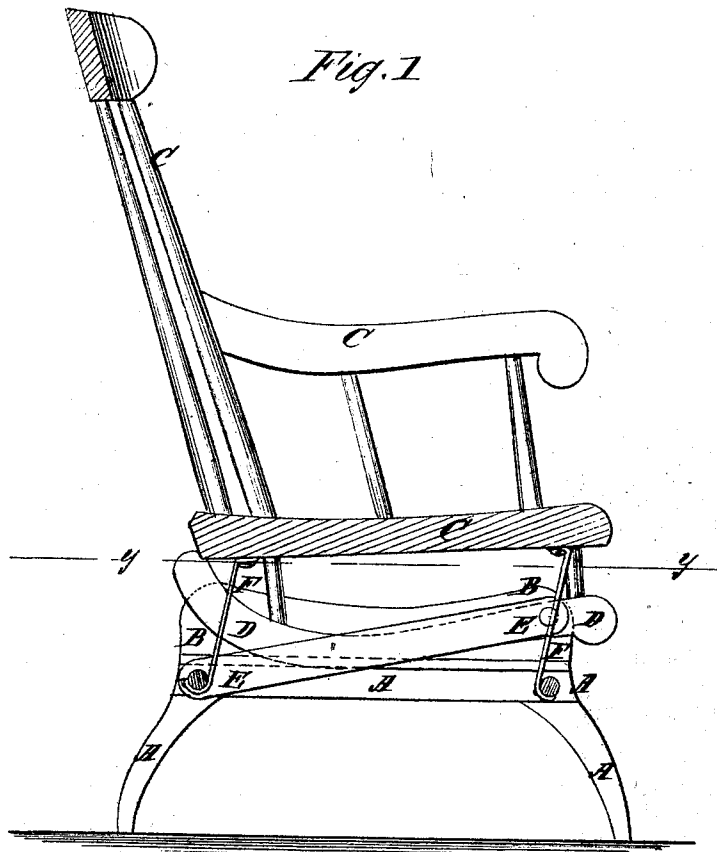


JOHN W. H. DOUBLER.

Improvement in Rocking Chairs.

No. 120,422.

Patented Oct. 31, 1871.



Witnesses:

John Becker.
Francis McChale.

Inventor:

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UNITED STATES PATENT OFFICE.

JOHN W. H. DOUBLER, OF DARLINGTON, WISCONSIN, ASSIGNOR TO HIMSELF
AND WILLIAM LOGUE, OF SAME PLACE.

IMPROVEMENT IN ROCKING-CHAIRS.

Specification forming part of Letters Patent No. 120,422, dated October 31, 1871.

To all whom it may concern:

Be it known that I, JOHN W. H. DOUBLER, of Darlington, in the county of La Fayette and State of Wisconsin, have invented a new and useful Improvement in Rocking-Chair; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming a part of this specification, in which—

Figure 1 is a vertical section of my improved chair taken through the line *x x*, Fig. 2. Fig. 2 is a horizontal section of the same taken through the line *y y*, Fig. 1.

Similar letters of reference indicate corresponding parts.

My invention has for its object to furnish an improved rocking-chair which will rock easily and noiselessly and will require no more room than an ordinary chair made without rockers; and it consists in the construction and combination of the various parts of the chair, as herein-after more fully described.

A is a low stool or rocker-bed, the side bars of which are flanged along the outer edges of their upper sides, said flanges serving as guards to keep the rockers from lateral displacement. To the outer sides of the flanged side bars of the stool or rocker-bed A are attached side-boards or guards B, to prevent anything from getting beneath the rockers. C represents the body of the chair, the legs of which are made short; and to their lower ends are attached short rockers D. E are two braces, the forward ends of which are pivoted to the rockers D at or near their forward ends. The rear ends of the braces E are pivoted to the rear round of the stool or rocker-bed A.

The braces E are designed to keep the rockers from moving forward or backward upon the stool or rocker-bed A. F are the springs, which may be rubber or coiled metallic springs, as may be desired or convenient. The lower ends of the springs F are attached to the front and rear rounds of the stool or rocker-bed A, and their upper ends are attached to the front and rear parts of the chair-seat. The springs F may be so formed as to stop the movement of the chair at the desired point, and thus prevent the chair from rocking too far forward or backward; or the springs F may be accompanied by inelastic cords to stop the movement at the desired point. In either case the springs F check the movement gradually, prevent any sudden shock, and, at the same time, assist in starting the return movement. The springs F also serve to raise the stool or rocker-bed A from the floor with the chair when said chair is raised in moving it from place to place.

If desired, the legs of the chair C may be omitted and the rockers D attached directly to the chair-seat.

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

The combination of short rockers D D, stool A, and seat C with springs F, in the manner described, to gradually retard the movement of the chair in either direction, finally stop it at the proper point, and then assist, by their stored-up power, in reversing the motion of the chair.

JOHN W. H. DOUBLER.

Witnesses:

GEO. F. KELLOGG,
J. D. FRANCIS.