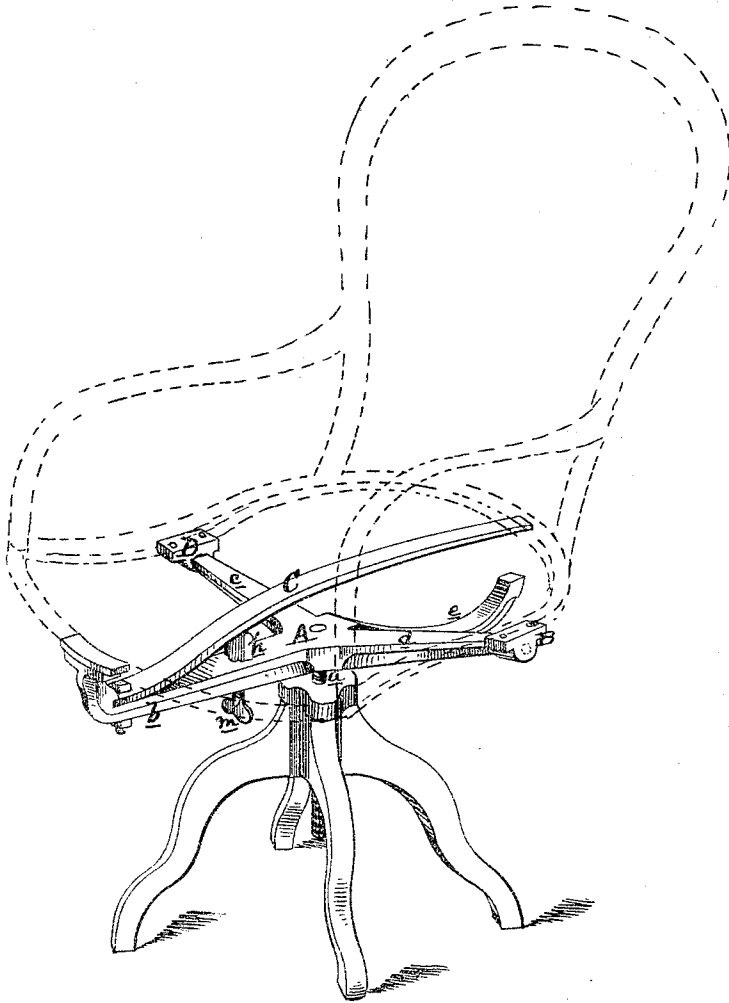


F. BARBER.

Improvement in Revolving-Chairs.

No. 113,967.

Patented April 25, 1871.



ATTEST

H. Stewart
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INVENTOR

F. Barber
per Atty
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UNITED STATES PATENT OFFICE.

FRANKLIN BARBER, OF DETROIT, MICHIGAN.

IMPROVEMENT IN REVOLVING CHAIRS.

Specification forming part of Letters Patent No. **113,967**, dated April 25, 1871.

To whom it may concern:

Be it known that I, FRANKLIN BARBER, of Detroit, in the county of Wayne and State of Michigan, have invented a new and useful Improvement in Revolving Chairs; and I do declare that the following is a true and accurate description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon, and being a part of this specification, in which my invention is shown in perspective, with the upper portion of the chair shown in dotted lines, and with the seat removed.

The nature of this invention relates to an improvement in the construction of chairs, where it is desired to convert the ordinary chair into a tilting one, and the improvement is as equally applicable to stationary as to rotating or revolving chairs.

The invention consists in the combination and arrangement of its principal operative parts, all constructed as more fully hereinafter described.

In the accompanying drawing, A represents a spider, secured to the screw *a* of a rotating chair; or it may be secured directly to the supports of the chair in any convenient way, when the chair is not designed to rotate. This spider is constructed with four arms, *b c d e*, in the general form shown in the drawing, the arm *b* turning up at its outer extremity to form a support for the front side of the chair-seat; the arms *c d* terminating in journals in the boxes B, which are secured, one at each side, to the under face of the chair-seat frame, the arm *e* having a downward curve from near the

center; then, turning upward, its outer extremity terminates in an upward projection to form a support for the rear side of the chair-frame, at a lower plane than the support furnished by the arm *b*.

The arm *b* is provided with a fulcrum, *h*, which is adjustable vertically by means of the set-screw *m*, which passes up through said arm and engages with the fulcrum for that purpose.

A steel spring, C, is secured near the outer extremity of the arm *b* by any convenient device, and thence extending rearward over and resting upon the top of the fulcrum. Its opposite end rests against the under side of the rear of the seat frame and forms a support therefor, retaining the seat in a horizontal position, except when the weight of the occupant is thrown against the back, when the spring gives and allows the chair to be tilted backward.

When the weight of the occupant is relieved from the back the spring compels the seat to resume its original position, the seat being so journaled to the proper arms of the spider as to allow of these movements.

What I claim as my invention, and desire to secure by Letters Patent, is—

In a rocking-chair, the combination of the spider A, boxes B, spring C, fulcrum *h*, and set-screw *m*, all constructed, arranged, and operating substantially as described and shown.

FRANKLIN BARBER.

Witnesses:

THOS. S. SPRAGUE,
H. F. EBERTS.