E. Hartwell,

Oscillating Chair,

No. 79,656. Patented July 7, 1868.

Fig. 2.

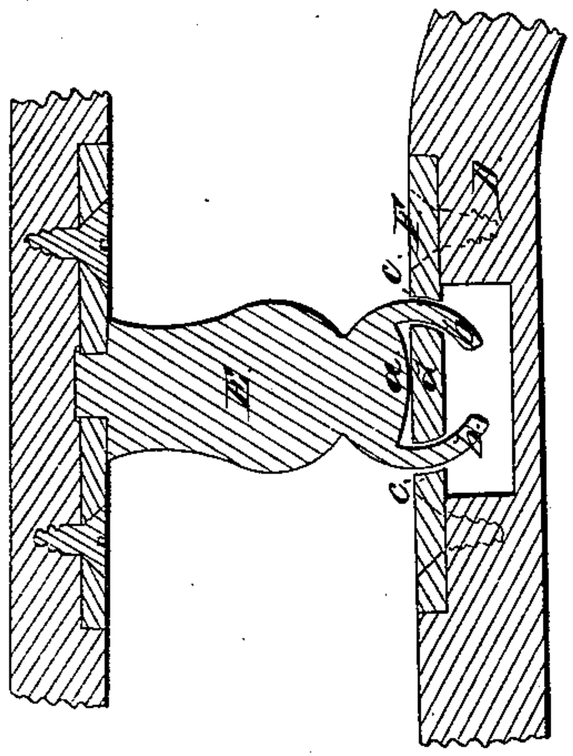


Fig. 3.

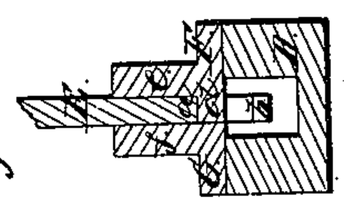
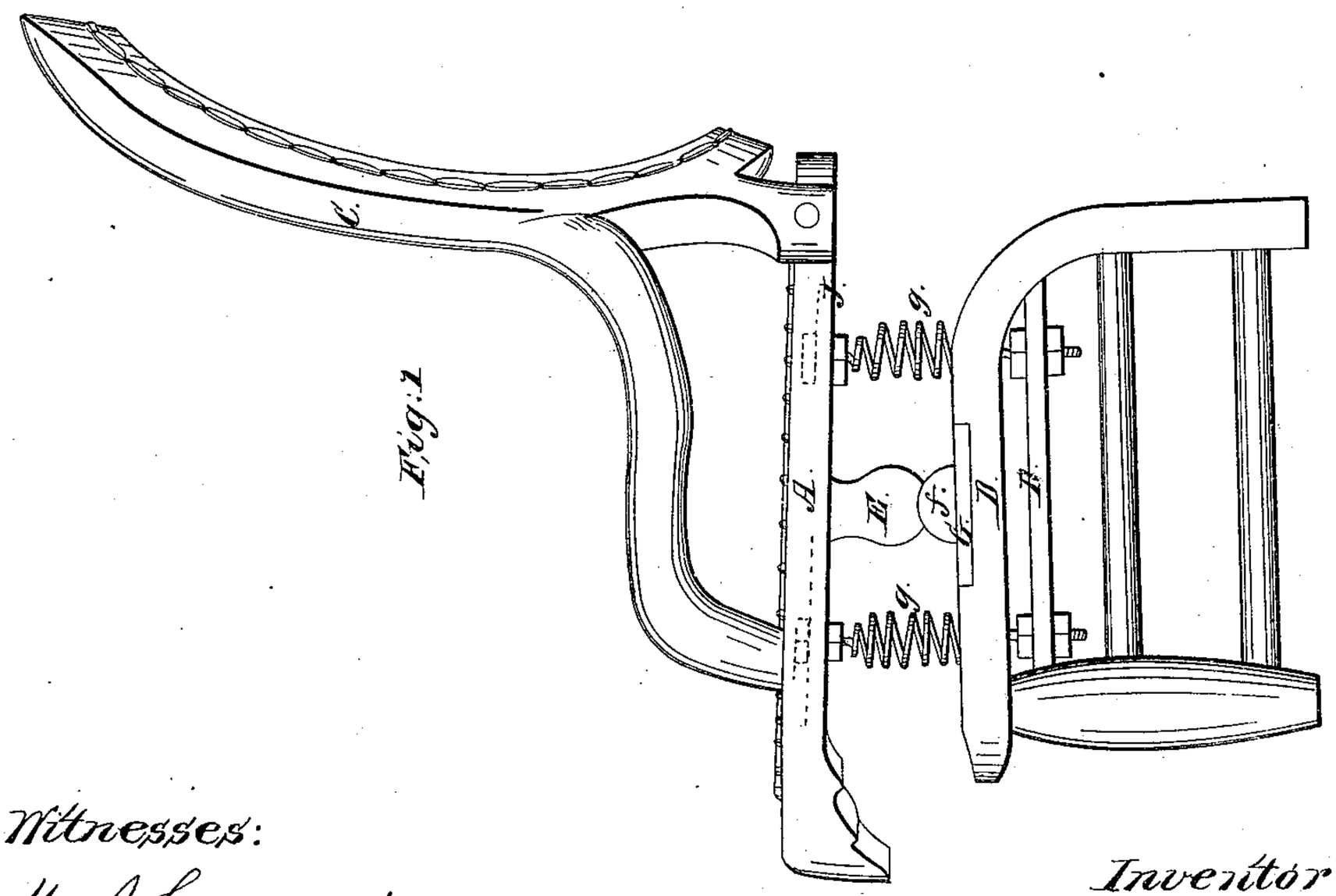


Fig. 1.



Witnesses:

M. A. Greenwood

Abram H Wilson

Inventor:

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United States Patent Office.

EDSON HARTWELL, OF HUBBARDSTON, MASSACHUSETTS.

Letters Patent No. 79,656, *dated July* 7, 1868.

IMPROVED ROCKING-CHAIR.

The Schedule referred to in these Letters Patent and making part of the same.

KNOW ALL MEN BY THESE PRESENTS:

That I, EDSON HARTWELL, of Hubbardston, in the county of Worcester, and Commonwealth of Massachusetts, have invented certain new and useful Improvements in Rocking-Chairs; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 represents a side view of my improved chair,

Figure 2 represents a longitudinal section through the side piece of the chair-seat and frame, and

Figure 3 represents a cross-section through piece D, and parts connected therewith.

To enable those skilled in the art to which my invention belongs to make and use the same, I will proceed to describe it more in detail.

In the drawings, the chair-seat A, to which the back C is attached, is supported upon the tops of the bent or curved side pieces D, one on each side of the chair, by means of two standards E, one on each side of the chair.

The standards E are formed at their tops in T-shape, the horizontal projection being fastened to the under sides of the seat-frame, while their lower ends are made with curved seats *a*, and with two curved projections or horns, *b b*, to fit in corresponding slots *c c* in the inner plates F, which are also provided with teats or projections *d*, and upon which the curved seats *a* rest.

The plates F are fastened in recesses cut in the tops of the bent or curved side pieces D.

Upon the inner sides of the standards E rise ears *e*, which afford inner supports or guides for the standards. After the lower ends of the standards E have been slipped into place, as indicated in the drawings, outer plates G, having ears *f*, are secured in slots made in the tops of the pieces D, so as to fit up close to the outer edges of the plates F, whereby the ears *f* afford outer supports for the standards E.

To the upper rounds of the frame of the chair is fastened a piece, I, running from front to back, and a corresponding piece, J, is fastened to the under side of the seat-frame A.

Spiral springs *g g*, having adjusting-nuts, are combined with the pieces I and J, as fully set forth in my previous patent, and for the purposes therein clearly set forth.

When the seat A is rocked back and forth, the curved standard-seats *a a* roll upon the projections *d*, while the curved projections *b b* on the standards prevent the latter from being displaced from the plates F.

By making the pieces D in the form shown, they are made to serve for back legs as well as top pieces for the chair-frame.

The motion of the seat back and forth, when supported as shown and described, is easy and very uniform. Again, there is no danger of a squeaking noise, as is the case when the seat is supported by pieces pivoted to the seat-frame.

Having described my improved rocking-chair, what I claim therein as new and of my invention, and desire to secure by Letters Patent, is—

1. The combination of the arms or standards E, having curved projections *b b* with the slotted plates F, substantially as and for the purposes set forth.

2. The combination, with the lower ends of the standards E, of the plates F and G, substantially as and for the purposes set forth.

3. The combination, with the seat-supports or standards E and chair-frame, of the curved pieces D, substantially as and for the purposes set forth.

4. The combination of the seat A with the springs *g g*, standards E, and chair-frame, substantially as and for the purposes set forth.

EDSON HARTWELL.

Witnesses:

M. A. GREENWOOD,

ABRAM H. WILSON.