

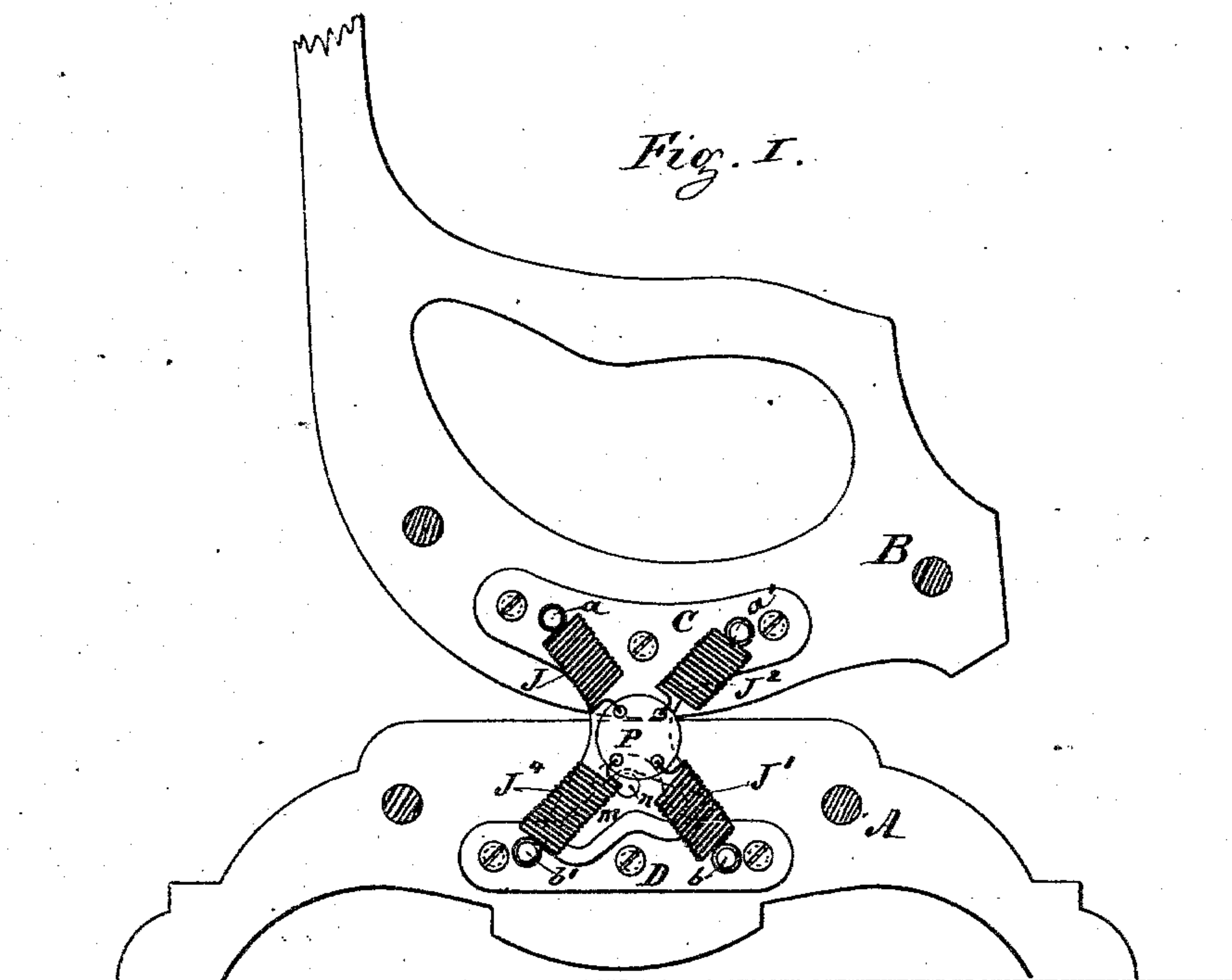
(No Model.)

H. LAMPRECHT.

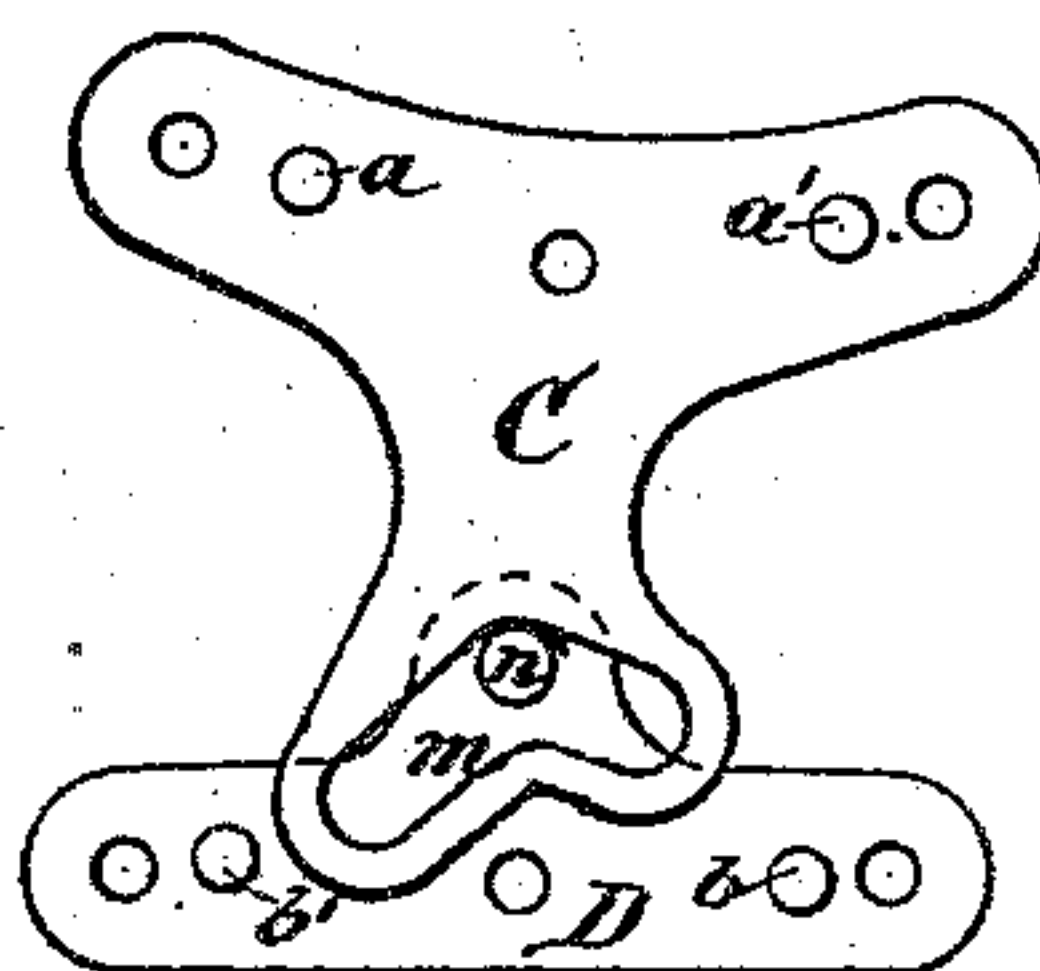
ROCKING CHAIR.

No. 286,449.

Patented Oct. 9, 1883.



*Fig. II.*



Witnesses.

J. Gemmel, Jr.  
M. J. Daly.

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Hugo Laessle  
per Henry E. Roeder  
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# UNITED STATES PATENT OFFICE.

HUGO LAMPRECHT, OF NEW YORK, N. Y.

## ROCKING-CHAIR.

SPECIFICATION forming part of Letters Patent No. 286,449, dated October 9, 1883.

Application filed February 5, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, HUGO LAMPRECHT, a citizen of the United States, residing at New York, in the State of New York, have invented  
5 a new and useful Improvement in Rocking-Chairs, of which the following is a specification.

In the accompanying drawings, Figure I represents a section of my improved rocking-  
10 chair embodying my invention. Fig. II shows the plates without the spring attachment.

Similar letters represent similar parts.

The nature of my invention consists in the arrangement of the springs, whereby the ac-  
15 tion of the same will be nearly always in the direct line of the springs.

A is the lower or stationary part of the chair, and B the upper or rocking part of the same.

20 D is a plate attached to the lower part, A, and provided with a stud, *n*.

C is a plate attached to the upper or rocking part, B, and provided at its lower end with an angular groove, *m*, in which the stud *n*, at-  
25 tached to the lower plate, D, can work or move freely during the rocking of the upper part of the chair. By the length of this groove *m*, the motion of the upper part, B, of the chair is regulated in either direction, and at the same  
30 time the necessary connection between the upper and lower part of the chair is obtained.

The lower plate, D, is provided likewise with two pins or studs, *b b'*, and similar pins or studs, *a a'*, are attached to the upper plate, C.

To a plate, P, four spiral springs, *J J' J<sup>2</sup> J<sup>4</sup>*, 35 are attached opposite each other. The ends of the two upper springs, *J J<sup>2</sup>*, are attached to the studs *a a'* on the plate C, and the ends of the two lower springs, *J' J<sup>4</sup>*, are attached to the studs *b b'* on the lower plate, D. The plate 40 P forms a connection between the spiral springs *J J'* and between the springs *J<sup>2</sup> J<sup>4</sup>*. By this arrangement of the springs *J J'* and *J<sup>2</sup> J<sup>4</sup>* diagonal to each other, their center lines, or lines of action, are nearly at right angles to the 45 line of motion of the rocking part B of the chair, and the motion of this part B will cause a direct action of said springs.

What I claim as my invention, and desire to secure by Letters Patent, is— 50

In combination with the stationary part A and the movable part B of a rocking-chair, the plate D, with stud *n* and studs *b b'*, plate C, with studs *a a'* and groove *m* in lower part, and the spiral springs *J J' J<sup>2</sup> J<sup>4</sup>*, with plate P, 55 arranged to operate in the manner and for the purpose described.

HUGO LAMPRECHT.

Witnesses:

HENRY E. ROEDER,  
J. B. NONES.