

(No Model.)

M. V. B. EVESSON.

OSCILLATING CHAIR.

No. 283,988.

Patented Aug. 28, 1883.

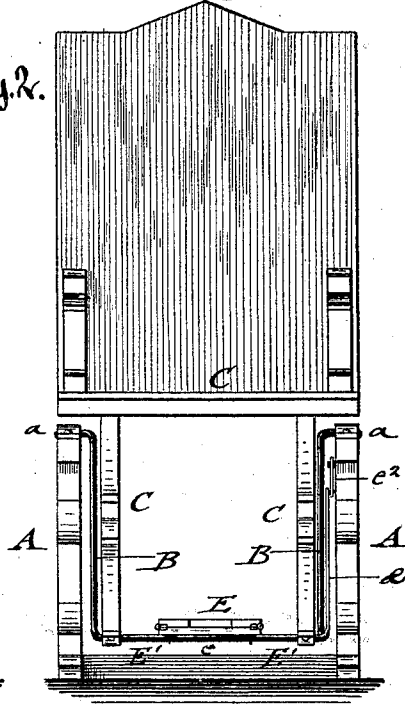
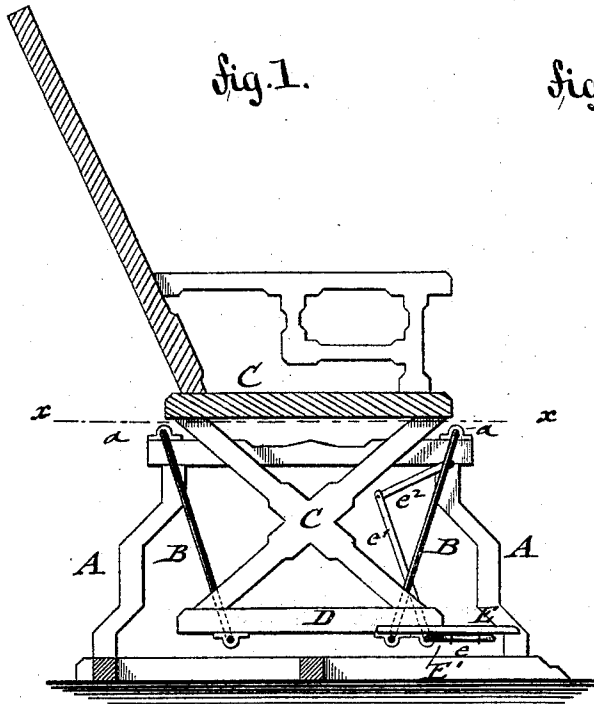


Fig. 3.

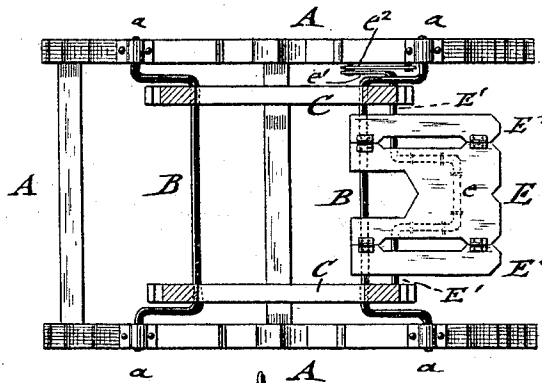
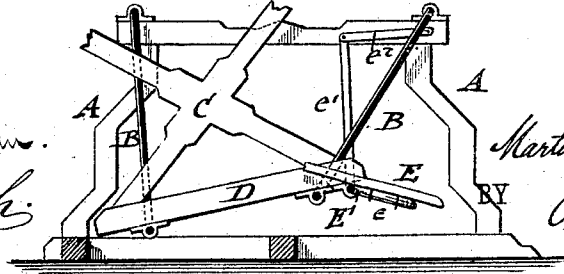


Fig. 4.



WITNESSES:

H. N. Rosenbaum.
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MARTIN V. B. EVESSON, OF HOBOKEN, NEW JERSEY.

OSCILLATING CHAIR.

SPECIFICATION forming part of Letters Patent No. 283,988, dated August 28, 1883.

Application filed March 7, 1883. (No model.)

To all whom it may concern:

Be it known that I, MARTIN V. B. EVESSON, of Hoboken, in the county of Hudson and State of New Jersey, have invented certain new and useful Improvements in Oscillating Chairs, of which the following is a specification.

This invention has reference to improvements in oscillating chairs of that class in which the seat-frame is supported on U-shaped oscillating hangers, that turn in bearings of a separate supporting-frame, it being more especially designed with a view to facilitating the rocking motion of the seat; and the invention consists of a supporting-frame which carries on U-shaped oscillating hangers, that extend transversely between the frame, a seat-frame that is oscillated by a forward-extending treadle that is secured to a transverse auxiliary rod turning in bearings at the front ends of the base-strips of the seat-frame, said rod being connected by an upwardly-extending arm and an intermediate pivot-link to the supporting-frame.

In the accompanying drawings, Figure 1 represents a vertical longitudinal section; Fig. 2, a front elevation; Fig. 3, a horizontal section on line *xx*, Fig. 1, of my improved oscillating chair; and Fig. 4 is a longitudinal section of the chair with the seat-frame thrown back by the action of the treadle mechanism.

Similar letters of reference indicate corresponding parts.

A in the drawings represents the supporting-frame of my improved oscillating chair, which is braced in suitable manner by transverse bottom pieces. To the top pieces of frame A are secured anti-friction bearings *aa* for the U-shaped hangers B, which extend transversely across frame A, and are preferably arranged somewhat converging to each other. The seat-frame C is secured by longitudinal base-strips D to the transverse parts of the hangers B, and made of such a height that the seat is arranged higher than the top rails of the supporting-frame A, so as not to interfere therewith during the oscillating motion.

For the purpose of conveniently and easily oscillating the chair without resting the feet on the floor, which would be inconvenient in a chair of this class, a treadle, E, is employed,

that is secured to the forward-extending U-shaped middle portion, *e*, of a transverse auxiliary lever-rod, E', that turns in bearings at the front ends of the base-strips D of the seat-frame C. The transverse treadle-rod E' is provided at one end with an upwardly-extending arm, *e'*, that is connected by a pivot-link, *e''*, to the supporting-frame, preferably to one of the front posts of the same. The pressure of the foot on the treadle E exerts a leverage on the treadle-rod E', and causes the backwardly oscillating motion of the chair, owing to the pivot-link connection of its lever-arm *e'* with the fixed supporting-frame. In this manner the chair is oscillated with but little effort on the part of the occupant, as only a light pressure of the foot on the treadle is required to oscillate the chair. The treadle E is provided with hinged and folding side sections, E², which are made of a suitable thickness, and which serve, when folded over on the main body of the treadle E, for the purpose of facilitating the oscillating of the chair by persons with shorter feet. When the hinged sections E² are placed sidewise of the main treadle E', they increase the surface of the treadle to that extent.

I do not claim the parts otherwise than as combined with the lever mechanism herein described, the same being shown in Patent No. 281,477, dated July 17, 1883.

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

1. The combination, with a supporting-frame having U-shaped hangers extending transversely within the frame, of a seat-frame provided with base-strips, as described, and having said base-strips pivoted to the hangers, a transverse auxiliary treadle-rod supported in bearings at the front ends of the base-strips, a treadle secured to said treadle-rod, and an intermediate lever mechanism connecting the treadle-rod to the supporting-frame A, substantially as described.

2. The combination of the supporting-frame A, U-shaped hangers B, extending transversely across the frame, a seat-frame, C D, having base-strips, as set forth, said base-strips being pivoted to the hangers, a transverse auxiliary treadle-rod, E', provided with a lever-extension, as set forth, supported in bearings at the front ends of the base-strips, a fixed treadle, E, secured to the forward-extending

middle portion, *e*, of the treadle-rod, and a pivot-link, *e*², connecting the lever-arm *e*' of the treadle-rod with the supporting-frame A, substantially as set forth.

5 3. As an improvement in oscillating chairs, the combination of the supporting-frame A, U-shaped hangers BB, extending transversely across the same, a seat-frame, C, having base-strips, as set forth, said base-strips being piv-
10 oted to the hangers B, a treadle-rod, E', provided with a lever-arm, *e*', supported in bearings at the front ends of the base-strips, a fixed

treadle, E, having folding side sections, E², secured to the treadle-rod, and a pivot-link, *e*², that connects the upwardly-extending lever- 15 arm *e*' of the treadle-rod with the supporting-frame, substantially as described.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

MARTIN V. B. EVESSON.

Witnesses:

PAUL GOEPEL,
SIDNEY MANN.