

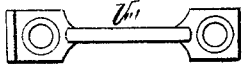
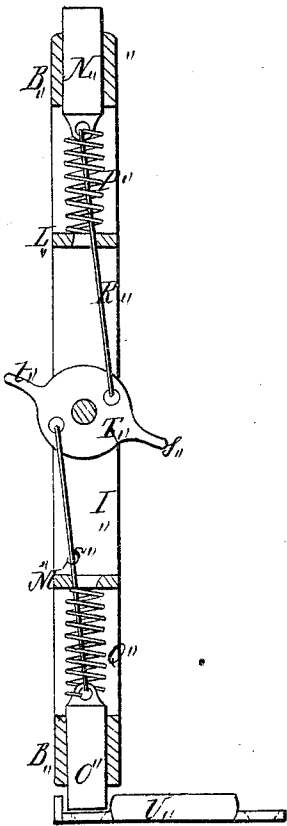
Lodeman & Desenberg

Rocking Chair

N^o 90,370.

Patented May 25, 1869.

Fig. 4.



Witnesses,

*Off. Sathanson
H. A. Deland*

Fig. 1.

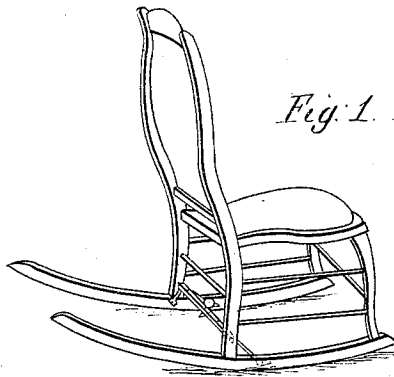


Fig. 3.

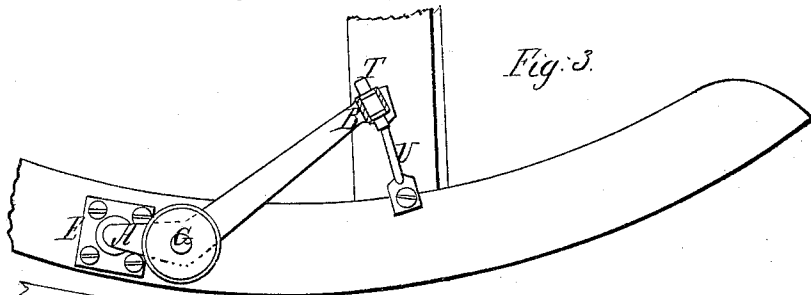
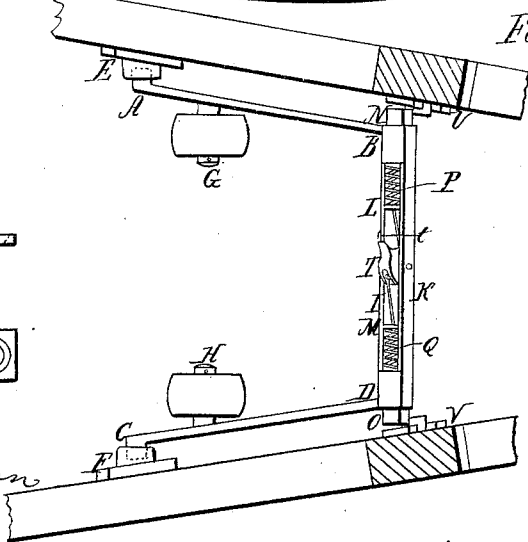


Fig. 2.



Inventors;

A. Lodeman

M. Desenberg

United States Patent Office.

A. LODEMAN AND M. DESENBURG, OF KALAMAZOO, MICHIGAN.

Letters Patent No. 90,370, dated May 25, 1869.

IMPROVED MANNER OF APPLYING ROLLERS TO ROCKING-CHAIRS.

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

To all whom it may concern:

Be it known that we, A. LODEMAN and M. DESENBURG, of Kalamazoo, in the county of Kalamazoo, in the State of Michigan, have invented a new and useful Apparatus for Applying Rollers to Rocking-Chairs, so that they can be moved easily without carrying the chair or dragging it on the carpet; and we do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, and letters of reference marked thereon—

Figure I being a perspective view.

Figure II, a plan.

Figure III, a side view.

Figure IV, a longitudinal section.

The apparatus which we claim as our invention consists of two levers, A B, C D, connected at two extremities by a horizontal bar, B D, and provided at the other extremities with two pins, A and C, which are in the same straight line, and parallel to the bar B D.

These two pins are adapted to two fixings, E and F, which are fastened, by means of small screws, to the inside of the rockers of the chair, so as to allow the whole apparatus to swing around the imaginary axle A C.

Both the levers, A B and C D, are provided at their inner side, at a certain distance from the ends A and B, with two other pins, G and H, equally parallel to B D.

These pins receive two common rollers of about one and a half inch in diameter, and form, when the apparatus is in action, the fulcrum of the two levers.

The horizontal bar B D is formed by two flat pieces, I and K, connected only for the length of one to two inches at either end, and by the ribs L M.

The ends, forming a hollow prism of a square cross-section, receive two bolts, N and O, sliding easily in them.

These sliding pieces are lightly pressed against the

legs of the rocking-chair by means of small springs, P and Q, but may be drawn back by the wires R S, fastened to the disk T, which has its axle in the middle of the bar B D.

When the apparatus is not used, the bar reposes with the two bolts, N O, on the two projecting pieces U V, fastened to the legs of the rocking-chair; but when the rollers are wanted, these bolts are drawn back by a pressure with the foot on the upper side of the disk T, which, for this purpose, is provided with two tongues, *t* and *s*.

The apparatus will now swing around the imaginary axle A C till the rollers touch the floor. A continued pressure with the foot will raise the chair from the floor, the two rollers forming the fulcrum of the levers A B and C D.

When the bar B D comes down lower than the projecting pieces U and V, the foot is taken off, and the bolts spring out under them, and thus prevent the apparatus from swinging upward again.

Now the chair may be rolled to any place in the same or a neighboring room, and afterward a pressure with the foot under the bar on the lower part of the disk T, will lift the rollers, and bring the apparatus back into its former position.

The whole operation does not take but a second, and this arrangement will afford great facility in moving heavy rocking-chairs.

What we claim as our invention, and desire to secure by Letters Patent, is—

The levers A B and C D, connected by the bar B D, and provided with the pins G and H, for the purpose described, in combination with the disk T, springs P and Q, wires R and S, bolts N and O, and stops U and V, as and for the purpose set forth.

A. LODEMAN.
M. DESENBURG.

Witnesses:

A. NATHANSON,
H. A. DE LANO.