

(No Model.)

B. BAKER.
. Combined Swing and Rocker.

No. 235,062.

Patented Dec. 7, 1880.

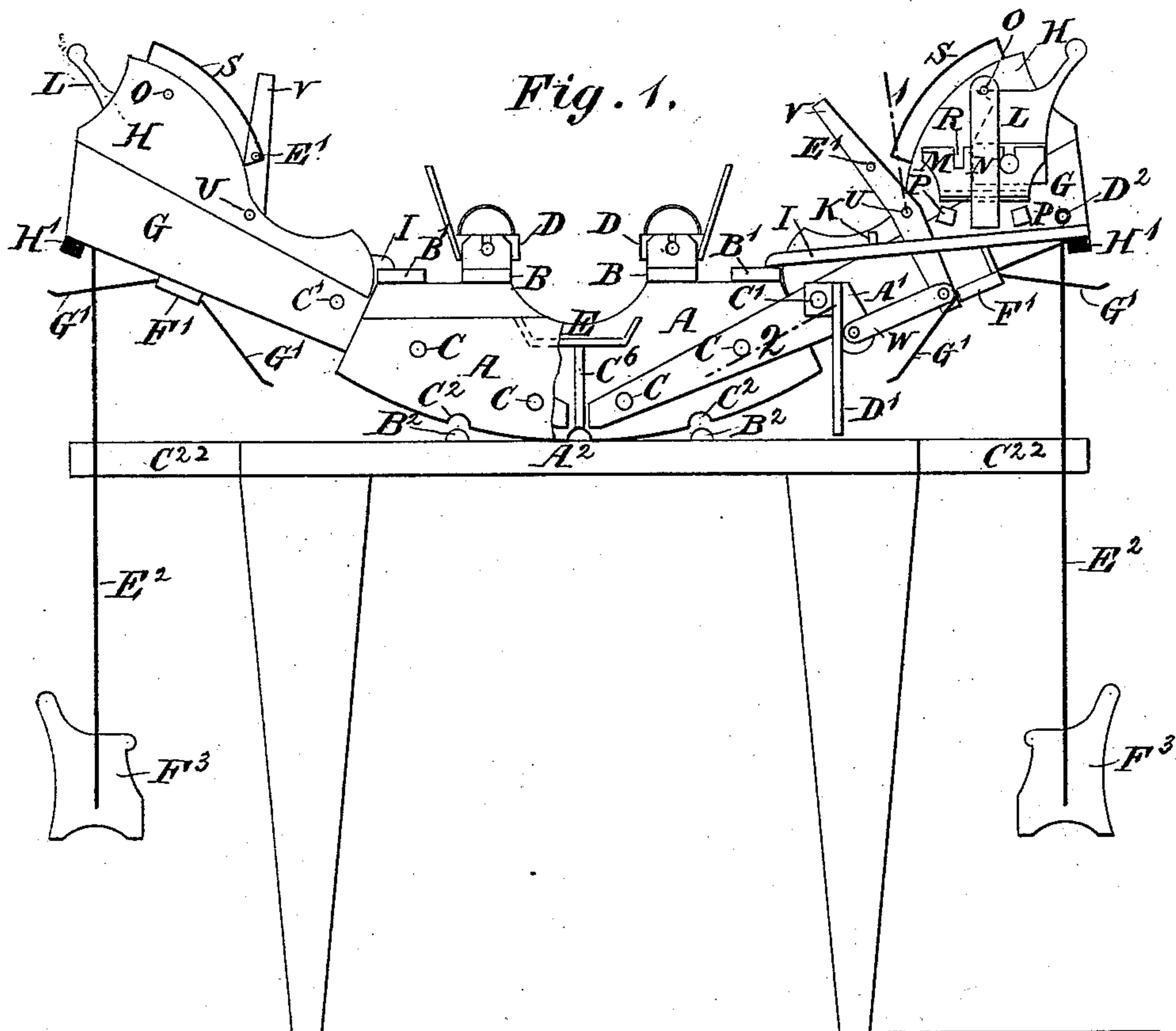
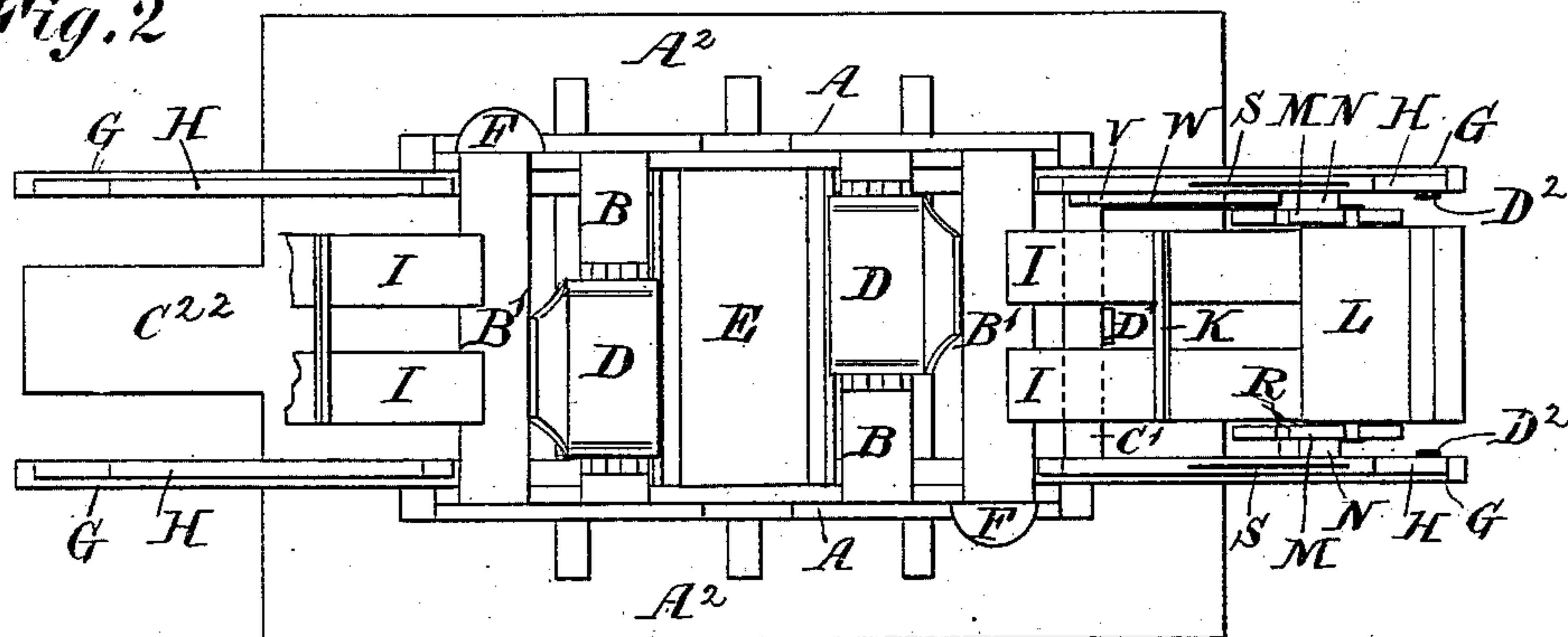


Fig. 2.



Witnesses

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COMBINED SWING AND ROCKER.

SPECIFICATION forming part of Letters Patent No. 235,062, dated December 7, 1880.

Application filed August 28, 1880. (No model.)

To all whom it may concern:

Be it known that I, BENJAMIN BAKER, of the city and district of Montreal, Province of Quebec, Canada, have invented certain new and useful Improvements in Combined Swings and Rockers; and I do hereby declare that the following is a full, clear, and exact description of the same.

This invention has reference to the construction of a swing and rocker combined, or which may, if desired, be used as a swing only or as a rocker only, and may also be used for swing and rocker at the same time. It is furthermore so arranged that the persons using it as a rocker may sit upright, and thus avoid the sickness and giddiness so often produced by the ordinary swings and rockers at present in use.

In the drawings hereunto annexed similar letters of reference indicate like parts, and Figure 1 is a side elevation of my invention, having, however, on the right-hand side of the figure the side removed to show the arrangement of the parts more clearly. Fig. 2 is a plan of Fig. 1, with parts removed on the left-hand side to show the formation of platform.

Letters A are two rockers of ordinary configuration. These are firmly held at the distance desired apart by any suitable means, such as the battens B B' and stay-rods or thimbles C, also a distance-board, C'. The two battens B are provided with seats D, trunnioned in brackets formed perpendicular to the said battens. E is a foot-board for the persons using the seats D, and F are side steps to ascend to the invention by.

To the rockers A are attached extensions G by passing the thimbles C through all of them, and on the extension G side pieces, H, are secured in the position shown in the drawings. To each of the battens B' are attached two flooring-boards, I, provided with cross-strips K, forming foot-rails for the persons occupying the seats L. These seats are trunnioned in swinging racks M, which racks are caused to swing by being secured to arms N, each of which is attached by a pivot, O, to the side H.

P are stops attached on the extensions G to limit the distance that arms N may swing. The racks M are provided with two or more notches, R, so that the distance of the seats L

from the center of the swing may be adjusted to compensate for the difference of weight of the persons occupying the seats L, and thus adjust the center of gravity. S are hand-rails secured on the top of each side piece, H.

In front of each seat L, and to one side, is pivoted, at U, to the side H a lever, V, to the lower extremity of which is attached a link, W, connecting with an arm, A', of a rock-shaft, C', extending between the extensions G. To this rock-shaft is secured a prop, D'. The parts being arranged as shown, by moving the handle or upper part of the lever from the position it is shown in at the right side of Fig. 1 to that indicated by the chain-line 1, the prop will be raised to the position indicated by the chain-line 2, where it is raised out of the way of forming an obstruction to the rocking of the invention, which they do when down. These props are intended to be used for holding the rocker steady while persons are getting into or out of it.

Although but one prop, D', is shown, it will be understood that the lever V on the other side of Fig. 1 is provided with the parts W, A', C', and D', similarly as above described. It will also be observed that the levers V are provided with pins E', so when the props are raised, as shown on the left-hand side of Fig. 1, this pin comes into proper position with the hand-rails S, so that it may be secured and prevent the accidental falling of the prop D'.

To the cross-pieces F', above which the flooring I rests, are attached to each two springs, G', arranged to come in contact with the floor or platform, hereinafter mentioned, as the case may be. These springs greatly assist the rocking action, or, in other words, they reduce the labor of causing the rocking motion to the minimum, the said motion being caused by moving the body and swing-chairs D or L.

It will be observed that the springs G' are very limber or pliable, and to prevent any heavy jolting by excessive rocking, stiff springs H' are attached to the extremities of the floorings I. The springs H' may be of any of the well-known forms, of rubber, metal, or even wood, or other substances suitable to receive a heavy blow, the material of which they are composed being unimportant, as also their form, as also their form may be "bow," "spiral,"

or "cushion." In fact, almost any person who understands what a spring is would at once understand what springs are suitable and what are not. As shown in the drawings, H' 5 may be taken to be rubber cushion.

A² is a platform provided with cross-ribs B², to engage with notches C², formed in the rockers, and retain it in position. This platform is raised any desired height, and is provided 10 with a narrow extension, C²², at each end. These are to form surfaces for the springs G' to come in contact with. To each of the extensions G is pivoted, at D², a rod, E², suspending swinging seats F³, (shown only in Fig. 1,) by which persons may swing while others 15 above are rocking.

It is self-evident that the seats F³ may be used only, or that the seats D or L may be used only at one time, or that they may be all 20 occupied at once, and thus form a combined rocker and swing. The rocker may also be removed from the platform A², which may at times be dispensed with, the seats F³ and rods E² being also removed and dispensed with, 25 when the rocker may be used on the ground or floor of a room.

What I claim as my invention, and wish to secure by Letters Patent, is as follows:

1. The combination of the rockers A, extensions and sides G H, springs G', trunnioned 30 seats D, swinging trunnioned seats L, suspended seats F³, platform A², and props D', all constructed and arranged substantially as set forth.

2. The combination of the rocker A, provided with extensions and sides G H, pivoted 35 arms N, racks M, trunnioned seats L, all substantially as described.

3. The combination of the rocker A, having extensions and sides G H, rails S, lever V, 40 prop D', substantially as described.

4. The combination of the rocker A, having extensions and sides G H, springs G', and springs H', substantially as described.

5. The combination of the rocker A, having 45 extensions and sides G H, and springs G', substantially as set forth.

6. The combination of the rocker A, having extensions and sides G H, springs G', chairs 50 L, having trunnions, racks M, swinging arms N, substantially as described.

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Witnesses:

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