

No. 799,178.

PATENTED SEPT. 12, 1905.

J. H. MINER.
COMBINED SWING AND LOUNGE.

APPLICATION FILED AUG. 29, 1904.

2 SHEETS—SHEET 2.

Fig 3.

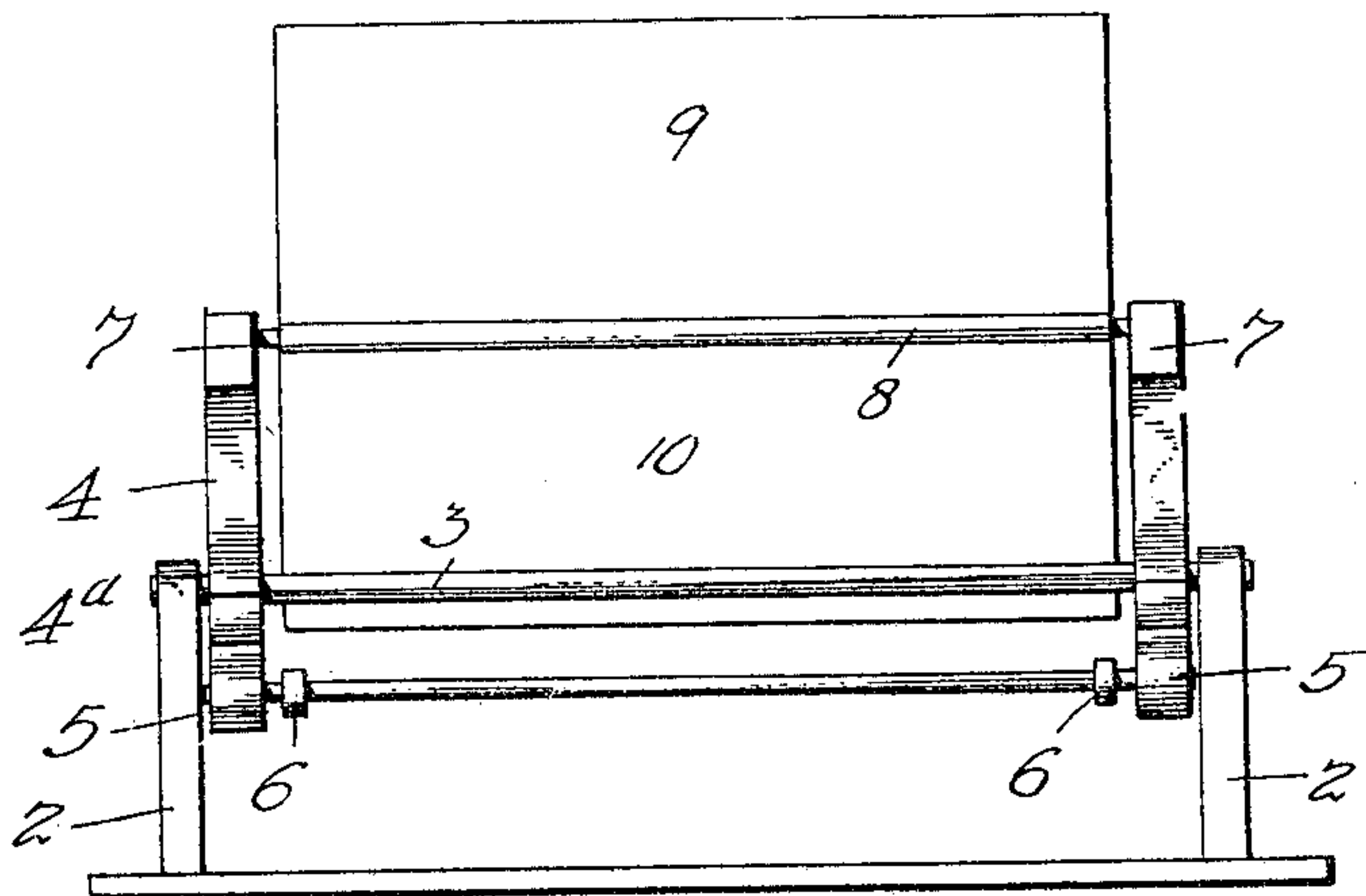
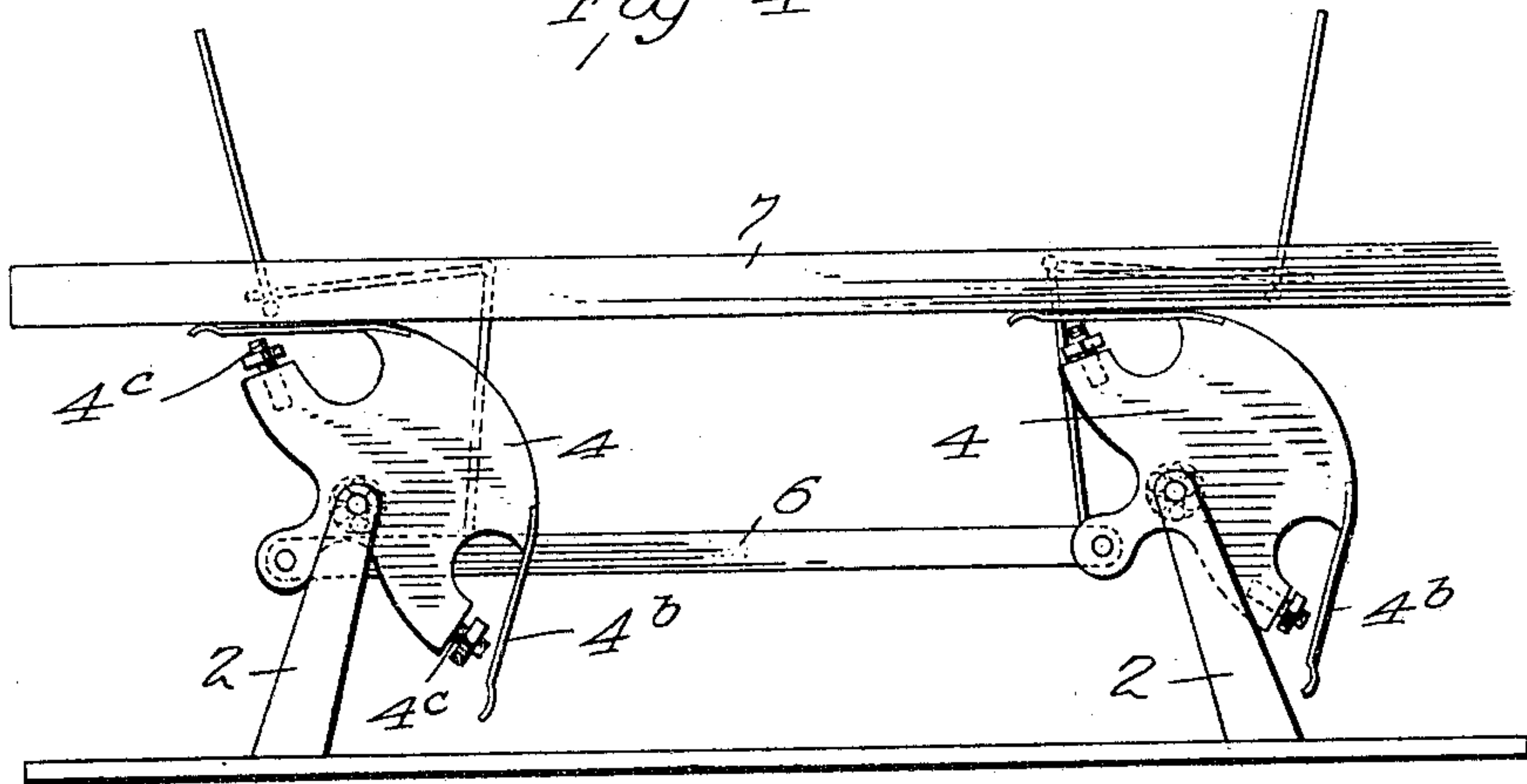


Fig 4



Attest:
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UNITED STATES PATENT OFFICE.

JAMES HENRY MINER, OF LUMBERTON, MISSISSIPPI.

COMBINED SWING AND LOUNGE.

No. 799,178.

Specification of Letters Patent.

Patented Sept. 12, 1905.

Application filed August 29, 1904. Serial No. 222,624.

To all whom it may concern:

Be it known that I, JAMES HENRY MINER, a citizen of the United States, residing at Lumberton, Mississippi, have invented certain new and useful Improvements in a Combined Swing and Lounge, of which the following is a specification.

My present invention relates to improvements in combined swings and lounges; and the object of the invention is to provide a simple and efficient device on which one or more persons may be supported so as to be capable of being carried forward and backward in a manner similar to that of a swing, though with a substantially rectilinear motion.

I have illustrated the invention in the accompanying drawings, in which—

Figure 1 is a side elevation of one form of the invention; Fig. 2, a plan view; and Fig. 3, an end view, while Fig. 4 is a side elevation of a modification.

Referring by reference characters to the figures, the numeral 1 indicates the suitable base by which are carried the standards 2. These standards carry at their upper ends cross-rods 3, upon which are suitably journaled, preferably upon ball-bearings, as indicated, quadrants 4. The quadrants are provided with arms 5, which are connected together by rods 6, so as to cause quadrants to move in unison, and these quadrants support on their curved surfaces the longitudinal bars 7. Between these bars are supported seats 8, which have adjustable backs 9 and adjustable leg portions 10. When the adjustable back and leg portions are in substantially vertical or upright positions, a plurality of persons may sit thereon facing each other, while when they are adjusted to the position indicated in dotted lines a couch is provided upon which a person may recline. When in a sitting position, a slight pressure of the foot upon the platform in one direction will cause the side bars 7 and the seat carried thereby to be

moved backward in the opposite direction, and vice versa. The major portion of the quadrant is of course concentric to its pivotal point; but in order to limit the movement of the bars 7 and to cause them to tend to return to a central position I provide eccentric or outwardly-turned portions 4^a, which tend to lift the side bars off from the concentric portions, the weight thus being thrown to one side of the journals, whereby the side bars will be returned by gravity in the opposite direction. Instead of providing such enlarged portions I may recess the ends of the quadrants and provide springs 4^b, which would contact with the bars and be compressed, thereby effecting the same result, and underneath the springs 4^b I employ thumb-screws 4^c, so that the tension of the springs may be reduced or increased to produce the same movement with a light or heavy load.

Having thus described my invention, what I claim is—

1. In combination, a swing and lounge combined, supported on antifriction stationary bearings, a parallel longitudinal frame, carried on a plurality of quadrants, springs attached to each quadrant to arrest the momentum of said frame, and to give it an impetus in the opposite direction, substantially as described.

2. In combination, a swing and lounge combined, supported on antifriction stationary bearings, a parallel longitudinal frame, carried on a plurality of quadrants, springs attached to each quadrant to arrest the momentum of said frame, and to give it an impetus in the opposite direction, and means for varying the tension of the springs, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

JAMES HENRY MINER.

Witnesses:

JOHN C. STREET,
J. D. DUVALL.