

No. 846,656.

PATENTED MAR. 12, 1907.

F. J. FORGET.

SWING.

APPLICATION FILED JAN. 10, 1907.

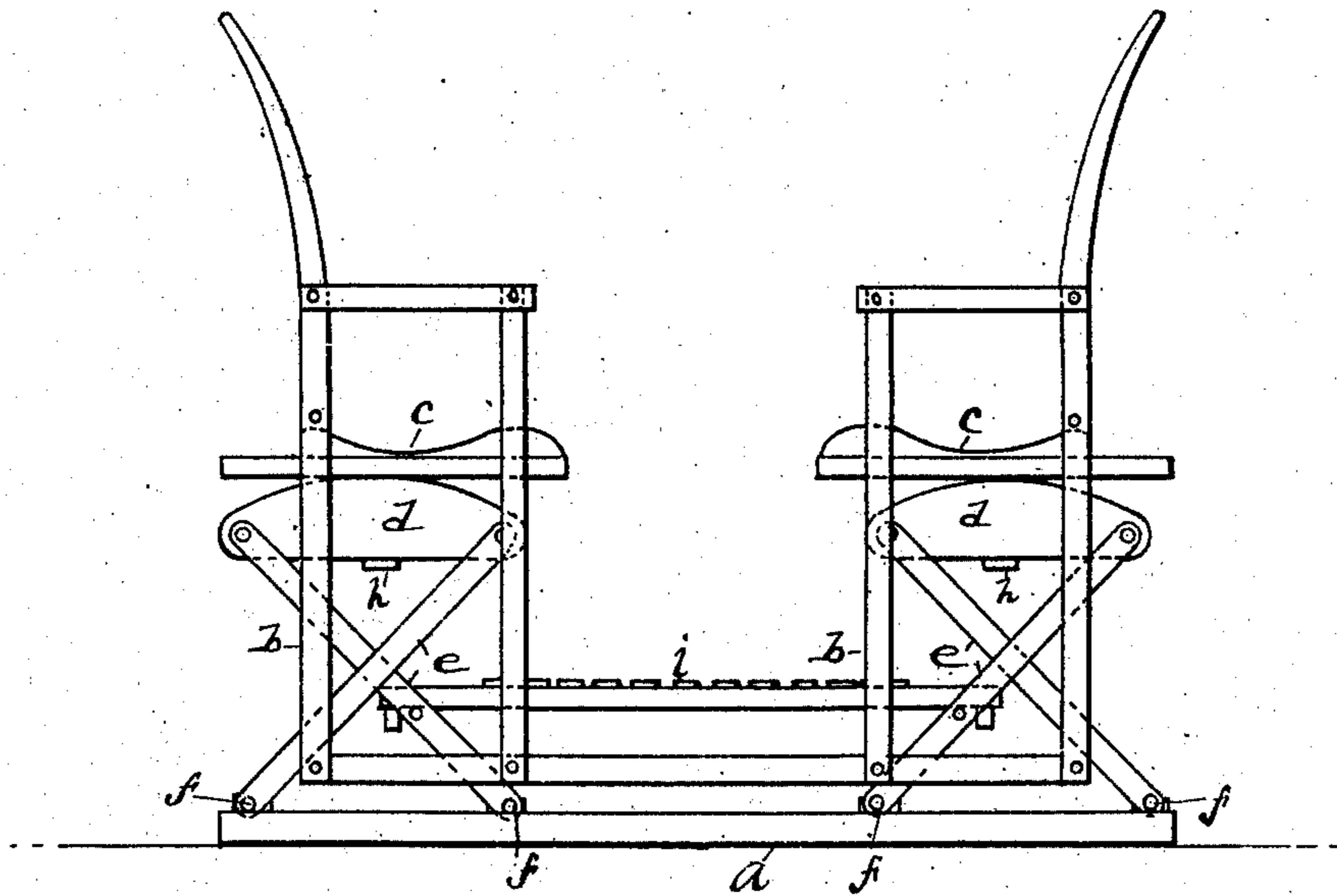


Fig. 1.

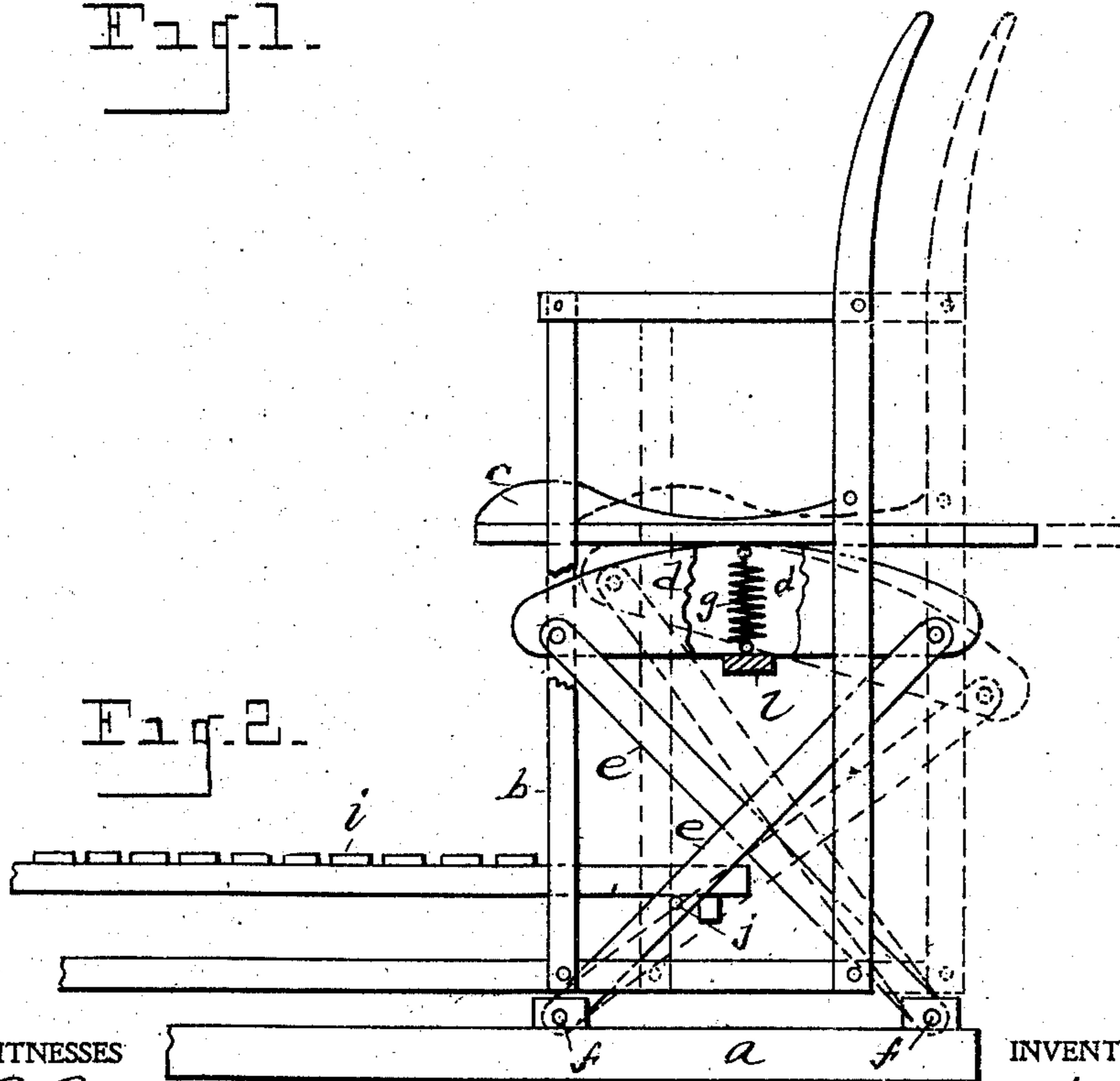


Fig. 2.

WITNESSES

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# UNITED STATES PATENT OFFICE.

FRANCIS J. FORGET, OF GOSHEN, INDIANA.

## SWING.

No. 846,656.

Specification of Letters Patent.

Patented March 12, 1907.

Application filed January 10, 1907. Serial No. 351,655.

*To all whom it may concern:*

Be it known that I, FRANCIS J. FORGET, a citizen of the United States, residing at Goshen, in the county of Elkhart and State of Indiana, have invented certain new and useful Improvements in Swings, of which the following is a specification.

My invention has for its object certain new and useful improvements in swings; and it consists of the construction, combination, and arrangement of devices hereinafter described and claimed, and illustrated in the accompanying drawings, in which—

Figure 1 is a view in side elevation, showing the seats in normal position. Fig. 2 is a similar view of a portion of the device with parts broken away and indicating also different positions of the rockers.

My invention pertains more particularly to that class of swings employed on lawns and porches, wherein swinging seats are carried upon rockers, the whole being supported upon a suitable base.

I carry out my invention as follows:

In the drawings, *a* represents any suitable supporting-base, and *b* represents any suitable seat-frame. The seats are indicated at *c*, the same being carried upon inverted rockers *d*, there being a rocker at each end of each seat, it will be understood. The rockers are carried upon swinging arms, (indicated at *e*,) secured at their lower ends to the base and at their upper ends to opposite extremities of the corresponding rocker. The swinging arms are arranged in pairs at each end of the seat and cross each other intermediate their extremities, as shown. The lower extremities of the swinging arms are preferably engaged upon rock-shafts *f*, although I do not limit myself solely to the use of the rock-shafts, as said arms may be arranged to oscillate from their lower extremities in any suitable manner. As the rocker moves obviously the swinging arms will both oscillate in the same direction. To restore the rockers and the seats to normal position, I prefer to employ one or more springs *g*, which may be secured at their upper extremities to the seat and at their lower extremities to any fixed portion of the mechanism, as to a cross-bar, (indicated at *h*.) The arrangement of the spring is such that when the rocker

moves in either direction from the normal position of the spring the tension of the spring will have a tendency to draw the seat back into normal position.

Any suitable foot-rest may be employed, a foot-rest being indicated at *i*, the extremities of which are supported upon rods connected with one of the supporting-arms *e*, as indicated at *j*.

The use of the springs *g* will serve obviously to keep the seat from creeping and will serve also to check the movement of the rocker from going too far in either direction, the yielding of the springs also preventing any jerking motion upon the seat.

What I claim as my invention is—

1. A swing comprising in combination a base, a seat-frame, a seat, inverted rockers arranged in pairs to carry the seat, and swinging arms secured at their lower extremities to the base and at their upper extremities to opposite ends of the rockers, the swinging arms of each pair crossing each other, substantially as set forth.

2. A swing comprising in combination a base, a seat-frame, a seat, inverted rockers arranged in pairs to carry the seat, swinging arms secured at their lower extremities to the base and at their upper extremities to opposite ends of the rockers, the swinging arms of each pair crossing each other, and a spring secured at its lower extremities to a fixed portion of the mechanism and at its upper end to the seat to restore the seat to normal position.

3. A swing comprising in combination a base, a seat-frame, a seat, inverted rockers arranged in pairs to carry the seat, swinging arms secured at their lower extremities to the base and at their upper extremities to opposite ends of the rockers, the swinging arms of each pair crossing each other, and a cross-bar underneath the rocker, and a spring connected at its lower end with the cross-bar and at its upper end to the seat for the purpose described.

4. A swing comprising in combination a base, a seat-frame, a seat, inverted rockers arranged in pairs to carry the seat, swinging arms secured at their lower extremities to the base and at their upper extremities to opposite ends of the rockers, the swinging arms

of each pair crossing each other, and a foot-rest secured at its extremities to the corresponding swinging arm.

5 5. A swing comprising in combination a base, a seat-frame, a seat, inverted rockers arranged in pairs to carry the seat, swinging arms secured at their lower extremities to the base and at their upper extremities to opposite ends of the rockers, the swinging

arms of each pair crossing each other, and a foot-rest arranged to swing in the same direction as the rockers.

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

FRANCIS J. FORGET.

Witnesses:

N. S. WRIGHT,

E. M. SPIELBURG.