

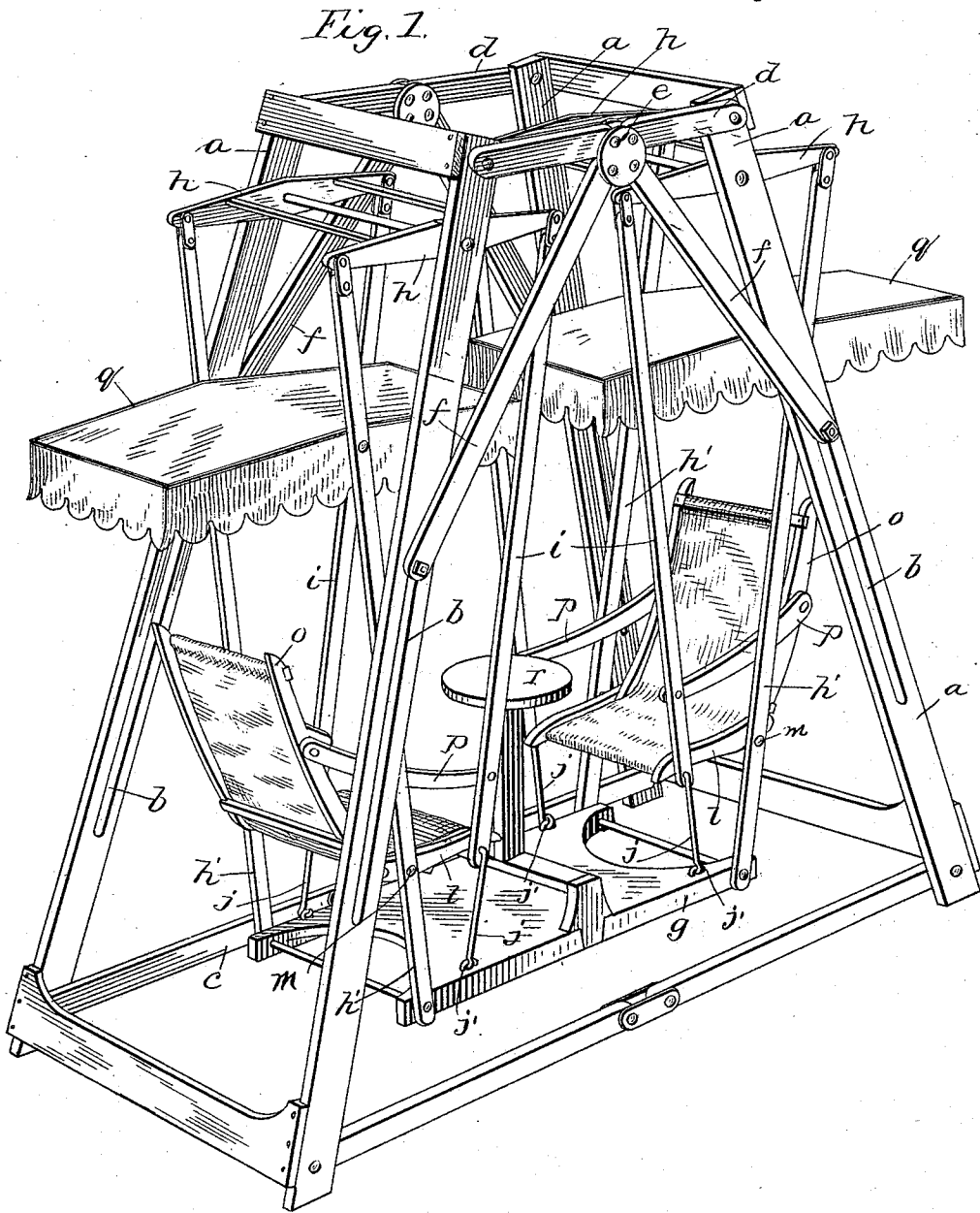
(No Model.)

2 Sheets—Sheet 1.

J. CAISSE.
SWING.

No. 539,723.

Patented May 21, 1895.



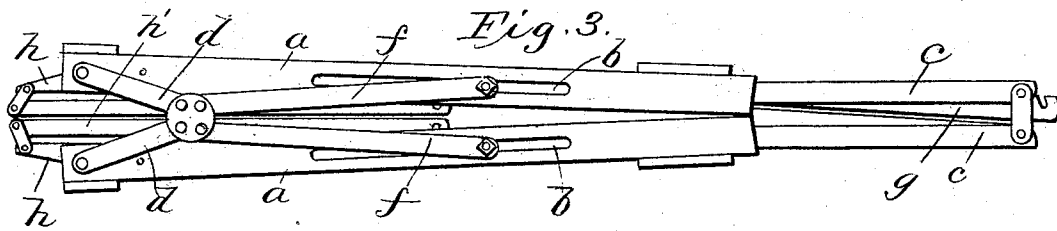
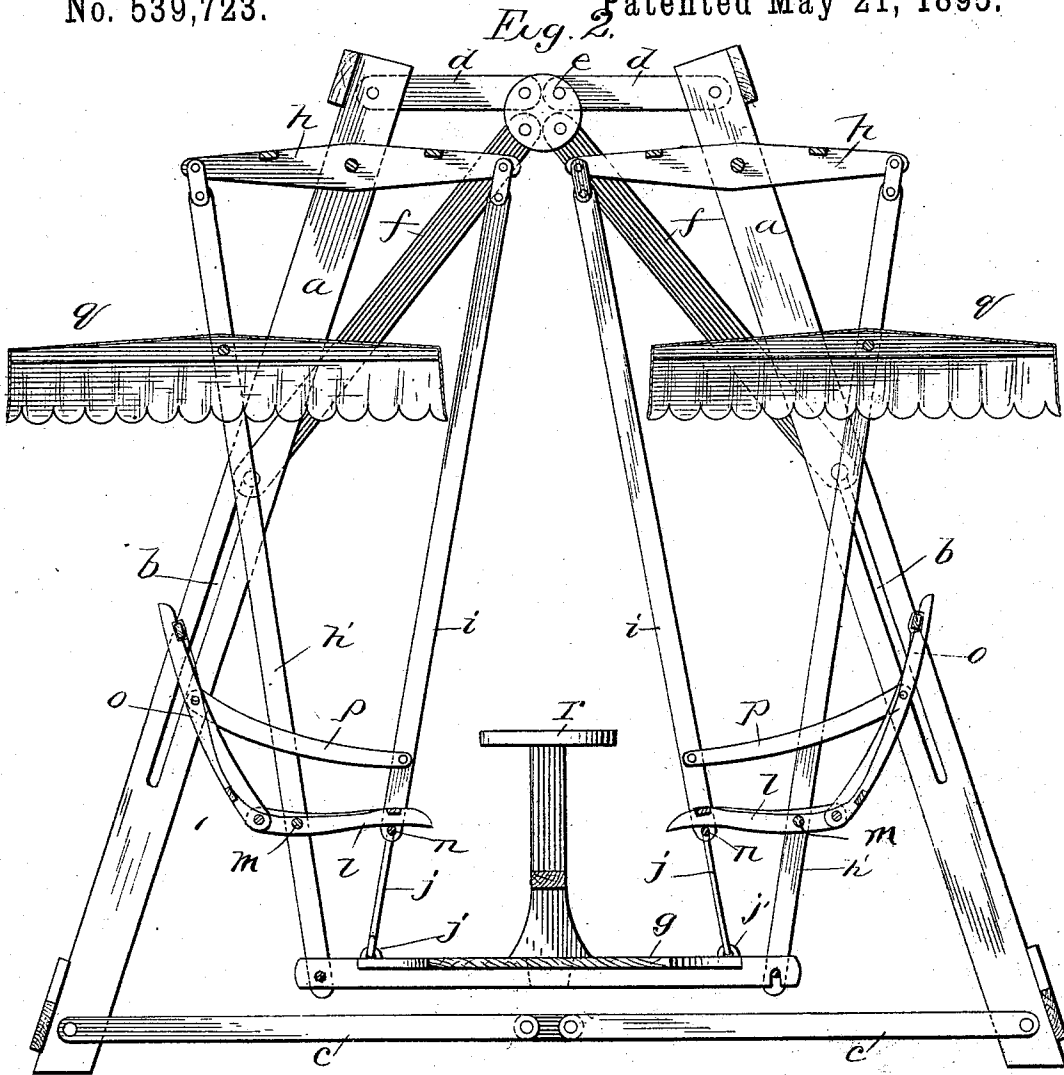
WITNESSES
Chas. Burdine.
Hubert Bek

INVENTOR
Joseph Caisse
per O. C. Duff
Attorney

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UNITED STATES PATENT OFFICE.

JOSEPH CAISSE, OF WILLIMANTIC, CONNECTICUT.

SWING.

SPECIFICATION forming part of Letters Patent No. 539,723, dated May 21, 1895.

Application filed July 14, 1894. Serial No. 517,584. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH CAISSE, of Willimantic, in the county of Windham and State of Connecticut, have invented certain new and useful Improvements in Swings; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form part of this specification.

This invention relates to certain improvements in swings.

The invention consists in certain novel features of construction and in combinations of parts more fully and particularly described hereinafter and pointed out in the claims.

Referring to the accompanying drawings, Figure 1 is a perspective view of my improved swing. Fig. 2 is a central vertical sectional view. Fig. 3 is an elevation showing the swing and its frame folded.

The swing supporting frame consists of the two inclined main frames or uprights *a*, the side bars of which are preferably provided with the longitudinal slots *b*. The lower ends of these frames are held separate and in the proper adjustment by the two jointed bars *c*, pivoted to the lower ends of, and connecting said two main frames. The upper ends of these two upright frames *a*, are held separate and in their proper position by the links *d*, pivoted to the upper ends of said arms and pivotally connected at their inner ends by plates *e*. The braces *f*, two on each side, are at their upper ends pivotally joined to said plates and at their lower ends confined in said slots *b*. Hence it will thus be observed that these various braces hold the main frames which are strongly constructed in an inclined position, as shown in Fig. 1, extending upwardly and toward each other, that the two frames can be brought together, parallel, with the lower connecting links extending upwardly therefrom and the upper links folded together at the sides of the main frame, with the braces *f* extended to the lower ends of the slots in the main frames.

g, is the platform of the swing. Each end

of the platform is sustained by two pairs of hangers. Each set of four hangers has a walking beam pivoted in the upper portion of one of the main frames or uprights.

h, h, are the two walking beams fulcrumed centrally between their ends in the upper ends of their respective uprights. From the outer ends of the walking beams the long hangers *h'*, depend and are joined or connected to the outer ends of the platform of the swing. The lower ends of the hangers of each pair are preferably connected by cross rods, the cross rod of one pair of hangers being journaled in that end of the platform and the opposite end of the platform having slots in which the cross rod of the opposite pair of hangers removably rest, so that the platform can be lifted and detached from the last mentioned cross bar.

The hangers *i*, depend from the inner ends of the walking beams and at their lower ends are provided with hooks *j*, arranged to removably catch in the eyes *j'*, of the platform near their respective pairs of hangers *h'*. It will thus be observed that each end of the platform is sustained by two pairs of hangers, and that each swinging walking beam has two pairs of hangers attached to the platform.

Each seat *l*, is pivoted on a rod *m*, between the hangers *h'*, and the inner end of the seat is adapted to rest on a cross rod *n*, between the hangers *i*.

o, is the back, at its lower end pivoted to the rear end of the seat and having its upper portion connected to the hangers *i*, by the links *p*, loosely pivoted to the seat back and hangers. A comfortable seat is provided which is very strongly supported.

q, are sun shades pivotally mounted between the hangers.

The operation of the device is obvious.

Great advantages are attained by the peculiar manner of supporting the platform through double sets of hangers from walking beams.

The links are preferably joined to the walking beams by short metal plates and the entire device can be folded into a small compass by releasing the hooks *j*, and one end of the platform from one set of hangers *h'*, and then collapsing the frame which will cause the walking beams to swing into parallel position

with the hangers side by side and the seats and backs stretched out parallel between the hangers.

7, is a table that can be removably mounted on the platform between the two chairs.

It is evident that various changes might be made in the forms, arrangements and constructions of the parts described, without departing from the spirit and scope of my invention. Hence I do not wish to limit myself to the exact construction herein set forth, but consider myself entitled to all such changes as fall within the spirit and scope of my invention.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent of the United States, is—

1. The combination of the supporting frame, the two walking beams mounted in the upper portion thereof, the platform the loose hangers depending from opposite ends of the walking beams, and pivotally joined to opposite portions of the platform, one pair of each set of hangers being detachably secured to the platform and the folding chairs pivotally carried by the hangers.

2. The combination of a collapsible frame, two walking beams mounted therein, the platform, hangers from the outer ends of the walking beams to the outer ends of the platform, hangers from the inner ends of the walking beams having hooks at their lower ends detachably secured to intermediate portions of the platform, the pivotally joined and supported seats and backs and seat arms carried by the hangers, substantially as described.

3. The combination, in a swing, a support, the two walking beams carried thereby, the

hangers loosely depending from the inner and outer ends of the walking beams and all pivotally connected together at their lower ends, the hangers from each walking beam carrying a chair pivotally joined thereto and composed of a seat, back and arms, substantially as described.

4. In a swing, the combination of a support, the two walking beams carried thereby, a platform, hangers loosely connected to the outer ends of the platform and to the outer ends of the walking beams, hangers from the inner ends of the walking beams loosely connected to the intermediate portions of the platform, and the two jointed seats, the hangers from each walking beam carrying a seat, substantially as described.

5. In a swing, the combination of a support, the two walking beams carried thereby, hangers depending from opposite ends of each walking beam, said hangers all loosely connected together at their lower ends, the hangers from one end of each walking beam connected by a cross bar, as *n*, the two chairs, each chair composed of a seat resting on said cross bar and pivoted to the hangers from the opposite end of the walking beam, the back pivoted to said seat, and the arms pivoted to the back and to the hangers having the cross bar, substantially as described.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

JOSEPH CAISSE.

Witnesses:

O. E. DUFFY,
C. M. WERLÉ.