No. 626,521. Patented June 6, 1899.

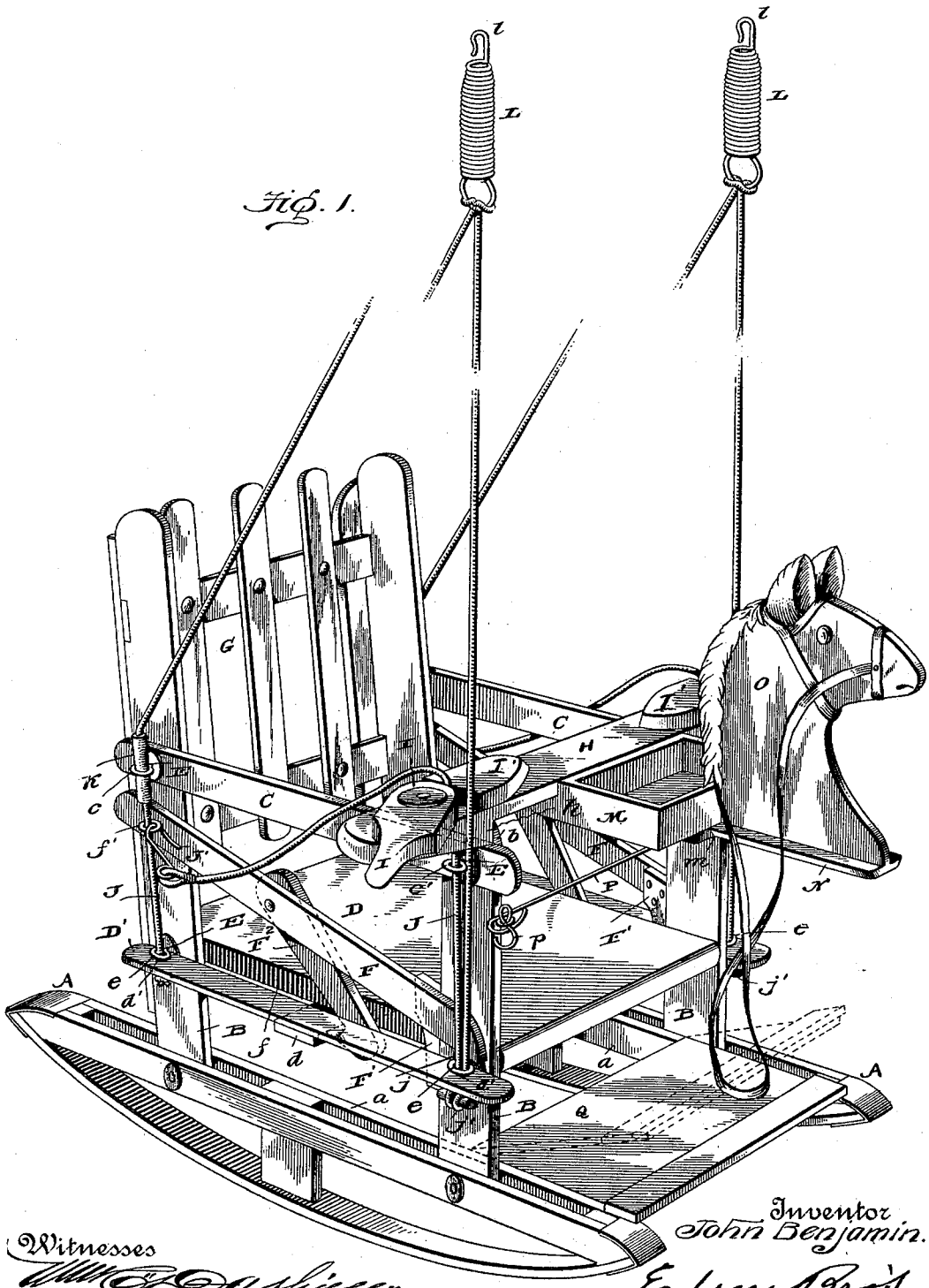
J. BENJAMIN.

BABY JUMPER.

(Application filed Nov. 30, 1898.)

(No Model.) 2 Sheets—Sheet 1.

Fig. 1.



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Fig. 2.

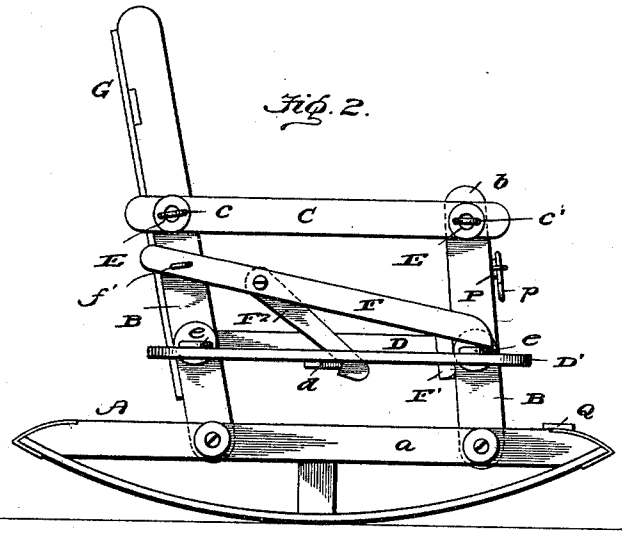
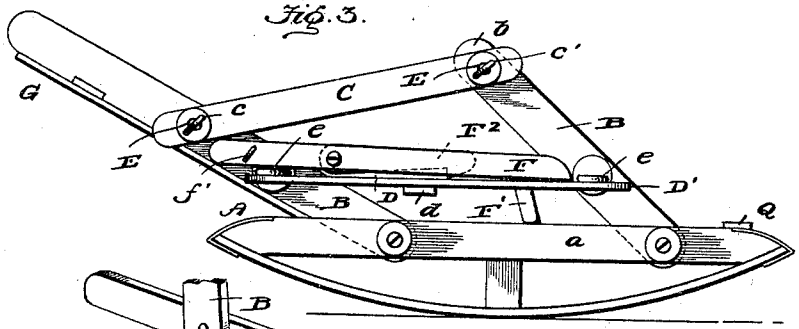


Fig. 3.



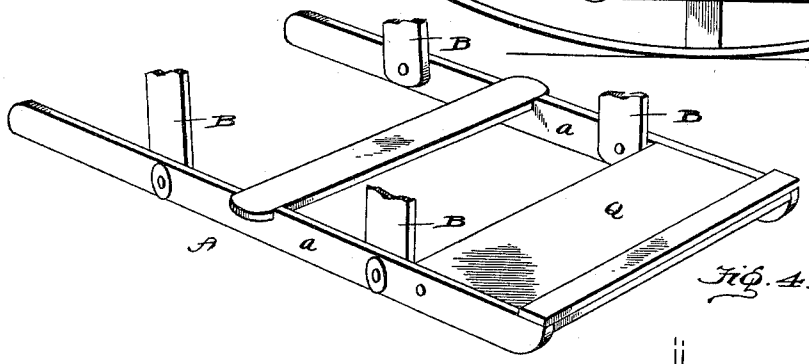
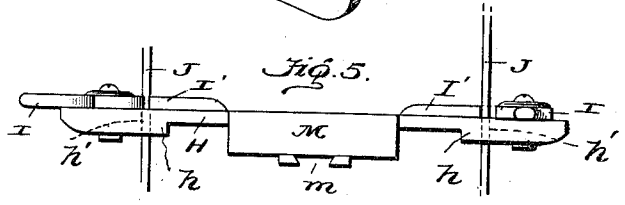


Fig. 4.

Fig. 5.



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UNITED STATES PATENT OFFICE.

JOHN BENJAMIN, OF SYRACUSE, NEW YORK.

BABY-JUMPER.

SPECIFICATION forming part of Letters Patent No. 626,521, dated June 6, 1899.

Application filed November 30, 1898. Serial No. 697,880. (No model.)

To all whom it may concern:

Be it known that I, JOHN BENJAMIN, a citizen of the United States, residing at Syracuse, in the county of Onondaga and State of New York, have invented certain new and useful Improvements in a Combined Baby-Jumper, Swing, and Rocker; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to a combined baby-jumper, swing, and rocking-chair; and its object, among other things, is to provide a device of this character which will be convenient and efficient in use, simple in construction, and readily placed in operative position.

Further objects are to so construct the device as to permit a child to sit in an upright or inclined position while swinging or rocking and to provide means of peculiar construction and adjustment whereby the child may be securely held in the chair at all times.

To these ends the invention consists in providing a chair having legs pivoted to the rockers, chair-seat, and arms, said legs being retained in an upright position by means of a catch of peculiar construction, upon the release of which the chair may be forced into a reclined position.

The invention also consists in providing a peculiar arrangement of ropes for suspending the chair as a swing or jumper, said ropes also serving as means for retaining a guard-bar of peculiar construction in position, said guard-bar being provided with clamps adapted to bind upon said ropes, and thereby lock said guard-bar in position to prevent the child from falling from the chair.

The invention also consists in the further novel construction and combinations of parts hereinafter more fully described, and illustrated in the accompanying drawings, showing the preferred form of my invention, in which—

Figure 1 is a perspective view of the complete device. Fig. 2 is a detailed side elevation showing the chair in upright position. Fig. 3 is a similar view showing the catch unhooked and the chair in inclined position. Fig. 4 is a modified form of base; and Fig. 5 is a front elevation of the guard-bar, showing the ropes therein, one clamped and the other loose.

Referring to said figures by letters of reference, A A are the rockers of any desired form, preferably constructed with a split or two-piece cross-bar *a*, as shown, within which, near the ends thereof, are pivoted the lower ends of the legs B of the chair. Said legs extend upward a suitable distance and are pivoted near their upper ends to the arms C and at a point intermediate their length to the seat D of the chair, said cross-bars *a*, seat D, and arms C being parallel. Said seat D is of any desired construction and is provided with a transverse bar *d* thereunder, the ends of said bar projecting beyond the sides of the seat and secured to and supporting side strips D′, free at their ends and bearing upward against eyes *e* or other suitable projections formed by the outwardly-extending portion of the pivots E of the legs and seat. Pivoted to the upwardly-extending portion of each of the rear legs B, at a point intermediate the seat D and arms C, is a catch-bar F, extending across the side of the chair and overlapping the front legs. Said bars F are each provided at a point near their front ends with a guide F′, adapted when the chair is upright to bear against the rear edge of the front leg. Said guides F′ likewise normally project downward into the slots *f*, formed by the side strips D′ and chair-seat D. At a point intermediate the ends of catch-bar F is pivoted a catch F^2, preferably of the form shown, adapted to hook down over the end portions of the transverse bar *d* when the legs of the chair are upright, and thus retain the whole chair in an upright position.

It is of course obvious that the upwardly-extending portions of the rear legs may be connected by slats or in other suitable manner, forming a back G, as shown. The front legs of the chair, however, merely project slightly above the arms, as at *b*, said projections serving to prevent transverse movement of a guard-bar H, having shoulders *h* formed on its under surface near each end and abutting against the said projections *b*. It is obvious that, if desired, the projections *b* may be dispensed with and the guard-bar H placed directly upon the arms C. Said guard-bar H is provided at each end on its upper surface

with a clamp of peculiar construction. Said clamps each consist of a cam-lever I and a shoulder I′, formed adjacent thereto, and is for the purpose hereinafter described.

Within the side strips D′, directly under the eyes *e*, are perforations *d*′. The rear perforation in each strip receives the knotted end of a rope J. Each of said ropes passes upward through eye *e*, an eye *f*′, formed on the pivot of the catch-bar F, and through a tube K, preferably formed of rubber, secured in an eye *c*, formed on the rear pivot of arm C. Each of said ropes J then extends upward for a suitable distance and is secured to a coiled spring L or other suitable device provided with hook *l*, whereby the same may be readily looped over or otherwise secured to any suitable object. Each of the ropes J then extends downward a sufficient distance and is doubled upon itself, as shown at *j*, said doubled portion being inserted through an eye *e* on a front leg and through the perforation *d*′ thereunder. It is then knotted, as at *j*′, and thereby prevented from being withdrawn. The remainder of each of the ropes J is brought upward through an eye *c*′ on the front pivot of the arm C and passed through a perforation *h*′ in the guard-bar H at a point between cam I and shoulder I′. The free ends of the ropes are provided with hooks J′, which may be secured to any part of the chair to prevent flapping of the rope.

If desired, a toy-box M may be provided. This is preferably secured to the guard-bar H and may be provided on its under surface with a dovetailed groove *m* for the reception of a strip N, projecting backward from the representation of the head of an animal or other object, as O.

As an additional means for securing a child from accident, as by falling, a second bar, as P, may be pivoted to one side of the chair and secured to the opposite side by means of a pin, as *p*.

A hinged foot-rest Q is provided. Said rest is pivoted at each side to the rocker-bars *a*, and should be raised when the chair is used as a rocker and lowered when otherwise used.

In Fig. 4 I have shown a platform which may be substituted for rockers, if it is desired to use the device as a swing or jumper only. Said platform is pivotally secured to the legs, as are the rockers, and may be of any preferred form.

In operation the cam-levers I are turned so as to retreat from the shoulders I′. After unhooking the ends of ropes J the guard-bar H is drawn up along said ropes a suitable distance and bar P is unhooked. The child can then be placed in the chair without trouble. The ropes J are then drawn through the bar H until the same binds tightly on projections *b*, when cam-levers I are turned so as to clamp the ropes securely against shoulders I′. Bar P can then be placed in position, springs L hooked up, and the device used either as a jumper or swing. The springs, of course, may be dispensed with when the device is used as a swing. If it is desired to incline the chair, catch F^2 is unhooked from transverse bar *d*′, and the legs, back, and arms will then be free to swing back into the position shown in Fig. 3, the guide F′ retaining bar F in proper relation to the chair at all times.

It is, of course, obvious that the ropes may be looped up over the back or placed in other suitable position if it is desired to use the invention as a rocker.

In the foregoing description I have shown the preferred form of my invention; but I do not limit myself thereto, as I am aware that modifications may be made therein without departing from the spirit or sacrificing the advantages thereof, and I therefore reserve the right to make such changes as fairly fall within the scope of my invention.

Having thus described my invention, what I therefore claim as new, and desire to secure by Letters Patent thereon, is—

1. The combination of the base, legs pivoted thereto, a seat and arms pivoted to said legs, a transverse bar on said seat, a side strip secured to said bar, and a catch-bar, secured to the back of the chair and a hook, secured to said catch-bar, projecting into a slot formed by said seat and side strip, adapted to engage with said transverse bar and retain the chair in an upright position, substantially as described.

2. The combination of the legs, the rockers and seat and arms pivoted thereto, a catch-bar pivoted to the back of the chair, a catch pivoted to said bar and adapted to engage with a transverse bar secured to said seat, and a side strip secured to said transverse bar and forming a slot between said strip and seat, and a guide on the catch-bar, all substantially as described.

3. The combination, with the chair, of a guard-bar having perforations therein, cam-levers on said bar and shoulders adjacent to said cam-levers; of ropes passing through said perforations and adapted to be clamped between said cam-levers and shoulders, and means, as described, for securing said ropes to the chair, substantially as described.

4. The combination, in a combined baby-jumper, swing and rocker, of legs pivoted to the rockers, seat, and arms, means, as described, for retaining said chair in an upright position, side strips secured to said seat, ropes secured in said side strips, springs secured to said ropes, and a guard-bar strung on said ropes, said bar having means, as described, for preventing movement of the ropes therein, all substantially as described.

5. In a device of the character described, the combination of the rockers, the legs pivoted thereto, and the platform pivoted therebetween, the seat pivoted to said legs, the transverse bar, *d*, secured to said seat, a side strip secured to said bar, *d*, forming a slot, *f*, arms pivoted to said legs, a catch-bar piv-

oted at one end to the rear leg, intermediate the arm and seat, a guide on the opposite end thereof normally projecting into said slot, *f*, a catch pivoted to said catch-bar and adapted to engage with said transverse bar, *d*, to retain the chair in an upright position; with ropes secured and arranged substantially as described, a guard-bar, H, strung on said ropes, cam-levers and shoulders on said guard-bar, H, adapted to clamp said ropes for the purpose described, a box secured to said guard-bar, and a figure detachably secured to said box, all substantially as and for the purpose specified.

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

JOHN BENJAMIN.

Witnesses:
WM. C. GREEN,
AUGUSTUS J. HORLE.