

(No Model.)

A. B. FLACH.

ADJUSTABLE AND BALANCING SEESAW.

No. 335,346.

Patented Feb. 2, 1886.

Fig. 1.

Fig. 3.

Fig. 2.

Fig. 4.

WITNESSES:

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ARTHUR B. FLACH, OF NEW YORK, N. Y., ASSIGNOR, BY MESNE ASSIGNMENTS, TO THERESA L. FLACH, OF SAME PLACE.

ADJUSTABLE AND BALANCING SEESAW.

SPECIFICATION forming part of Letters Patent No. 335,346, dated February 2, 1886.

Application filed January 2, 1885. Serial No. 151,820. (No model.)

To all whom it may concern:

Be it known that I, ARTHUR B. FLACH, of the city, county, and State of New York, have invented a new and Improved Adjustable and Balancing Seesaw, of which the following is a full, clear, and exact description.

The object of my invention is to provide a new and improved seesaw which can be adjusted and balanced and folded very compactly when not in use.

The invention consists in the construction and arrangement of parts, as will be hereinafter fully described and claimed.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a side view of my improved seesaw, parts being in section. Fig. 2 is a cross-sectional view of the same; Fig. 3, a plan view of one half or section of the swinging part; and Fig. 4 is a face view of the brace-frame.

On a base-piece, A, an upright, B, is erected, which is braced by braces C, extending from the upright to the base A and to a cross-piece, D. The upright is provided with a notch or recess in its upper end for receiving one end of a straight or crank shaft, F. Guides G are secured on the upright to hold a vertically-sliding piece, H, on the inner surface of the upright, the said piece H having teeth H' or apertures in the side resting against the upright B. A set-screw, J, is provided in the upright and adapted to be engaged with the teeth H' or apertures of the piece H, thus permitting of locking the piece H vertically in any desired position in relation to the upright. A gage is provided on one or both sides of the upright, to facilitate adjusting the vertically-sliding piece H on the upright. The cross-pieces D are provided with hooks and eyes at their inner ends, for the purpose of locking the inner ends of these parts together and forming a frame of two uprights, in which the shaft F is hung, either in the upper notched or recessed ends of the uprights B, or in the notches or recesses E in the upper ends of the sliding extension-pieces H, which may be raised more or less. The rocking frame is formed of two triangular frames, L, the ends of which are

placed together. At the right-angle base corners a hook, M, is secured on each side of each frame, the said hooks being passed over the shaft F, thus adapting the frame to swing on the shaft. At the acute base-angles the frames are held together by hooks N and eyes N'. A sliding seat, O, is arranged between guides P on each end of the top of the rocking frame, and the said seats are provided with screws, catches, or analogous devices for locking them in place on the guides a greater or less distance from the ends of the rocking frame. An adjustable foot-board, Q, which can be locked in place by means of catches, screws, or like devices, is arranged in front of each seat, and to each foot-board or foot-rest a rope, R, is secured, which is grasped by the person occupying the seat, to avoid and prevent slipping off when the end of the rocking frame is lowered. The rocking frame can be balanced very nicely by adjusting the seat for the heavier person nearer the middle of the rocking frame. The foot-board can be adjusted to suit the length of the person's legs, and serves to prevent persons slipping off the seat when the end of the rocking frame is raised. Rubber bumpers S are secured to the under side of the rocking frame at the ends, to prevent the frame from being injured by striking the floor, and also to protect the floor. To the outer end of each frame L a brace-frame, m, is hinged, which is adapted to be folded against the under side of the frame L, and can be held in place by a latch, n. The brace-frame m is preferably tapered toward its lower end, and is provided with a longitudinally-sliding extension-bar, o, which can be locked in place by means of a binding-screw, p. When the seesaw is at rest, and the persons wish to enter it or step down from the same, the brace-frames m are swung down to support the ends of the frames L, and thus hold the seesaw in a horizontal position. By means of the extension-bar o the brace-frame can be lengthened and shortened to correspond with the height of the supporting-frame in which the seesaw rocks.

The two frames L, when detached, are placed together, as shown in dotted lines in Fig. 1, and the seats, foot-boards, and uprights are placed into the larger or base ends of the

frames. The entire apparatus can thus be folded very compactly for storage and transportation.

The apparatus is to be made in different sizes for children or adults.

I am aware that a rocking frame has been provided with hinged ends on which the seats were secured; also, that the opposite ends of a rocking frame have been passed through loops on the under sides of the seats; and that set-screws were provided in said loops for adjusting the seats on said rocking frame, and I do not claim said constructions as of my invention.

I am also aware that the rocking frames have been provided with adjustable foot-rests below the seats, and I do not claim the same, broadly, as of my invention.

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

1. The combination, with an upright frame, of a rocking frame on the same, a sliding seat on each end of the rocking frame, and a sliding board independent of the seat on each end of the frame, which seat and board can be locked in the desired positions on the frame, substantially as herein shown and described.

2. The combination, with an upright frame, of the two triangular frames L, having hooks M, for hanging them on a shaft on the upright frame, substantially as herein shown and described.

3. The combination, with an upright frame, of a rocking frame on the same formed of two

sections, each provided at the base end with hooks for hanging the sections on a shaft on the upright frame, and of hooks and eyes for locking the sections together, substantially as herein shown and described.

4. The combination, with the upright B, secured on a base, a rocking frame thereon, and suitably braced, of the guides G, the toothed sliding piece H on the upright, and the set-screw J, substantially as herein shown and described.

5. The combination, with the bases A and the cross-piece D, having their inner ends united by hooks and eyes, of the uprights B, the shaft F, and a rocking frame mounted on the shaft F and formed of two triangular sections, substantially as herein shown and described.

6. The combination, with an upright, of a rocking frame on the same, and brace-frames hinged to the ends of the rocking frame, and constructed to hold the said rocking frame in a horizontal position, substantially as herein shown and described.

7. The combination, with an upright, of a rocking frame on the same, brace-frames hinged to the rocking frame, and extension-bars on the brace-frames, substantially as herein shown and described.

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Witnesses:

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