

(No Model.)

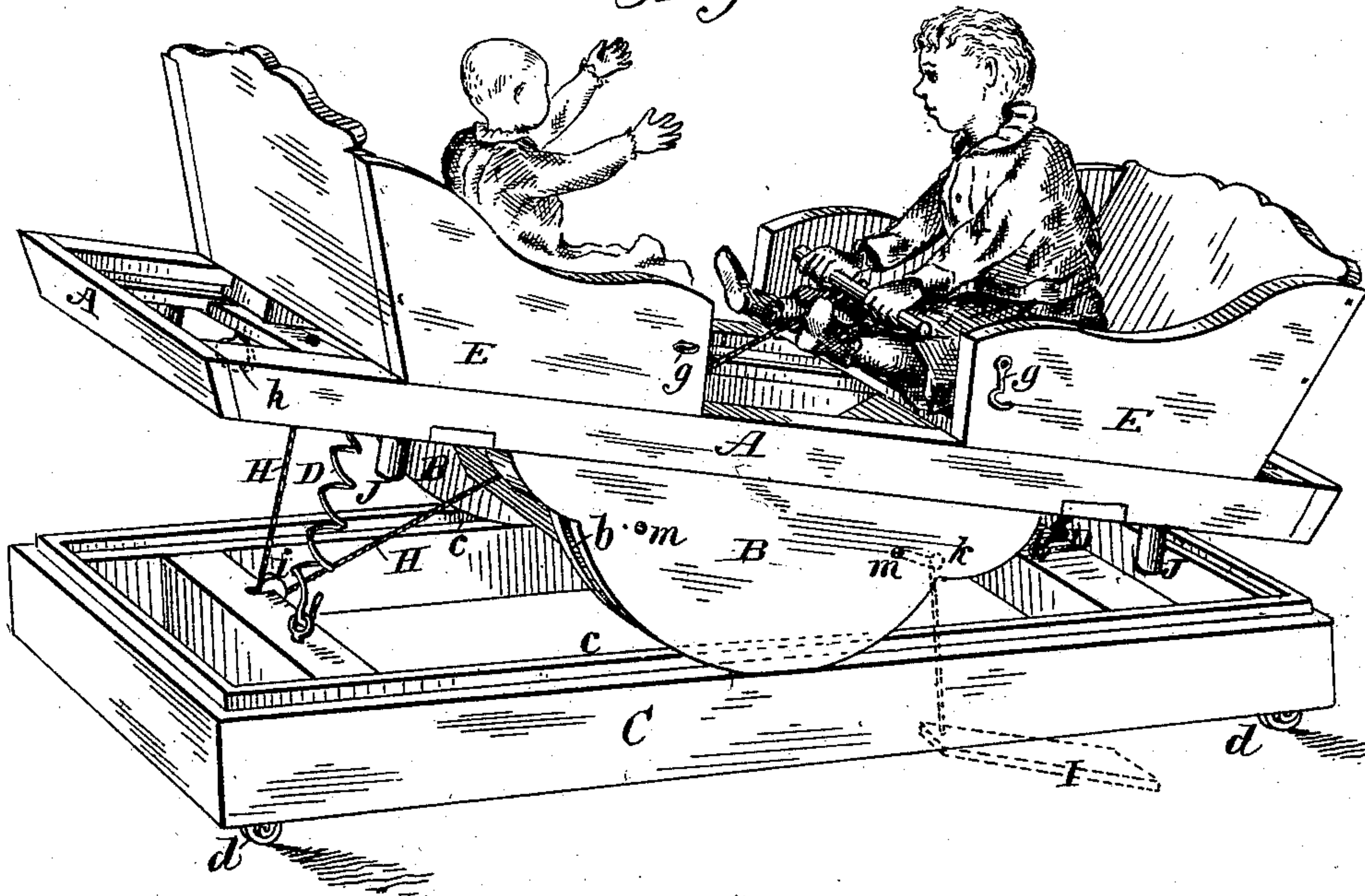
J. W. HILL.

COMBINED CRADLE AND SEESAW.

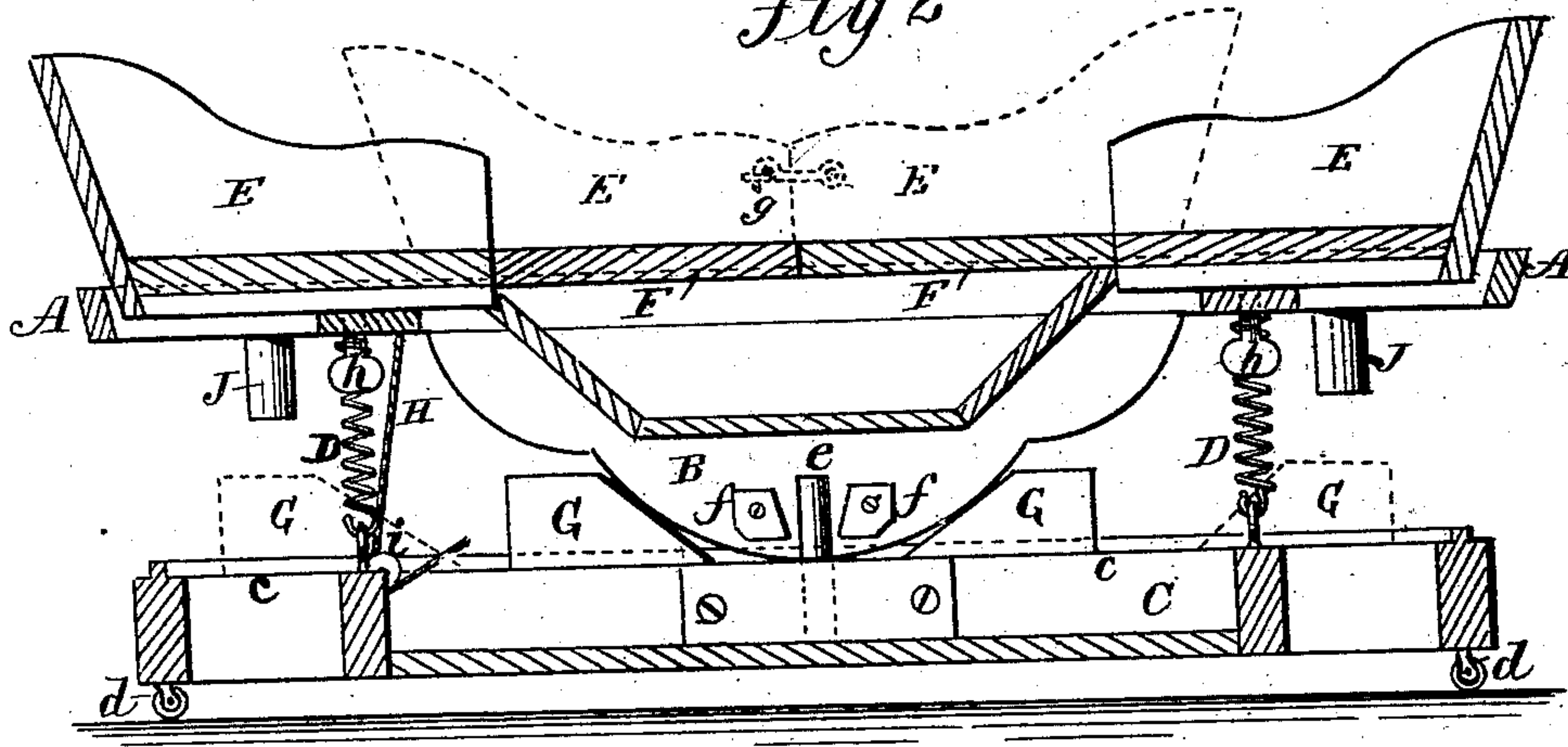
No. 273,530.

Patented Mar. 6, 1883.

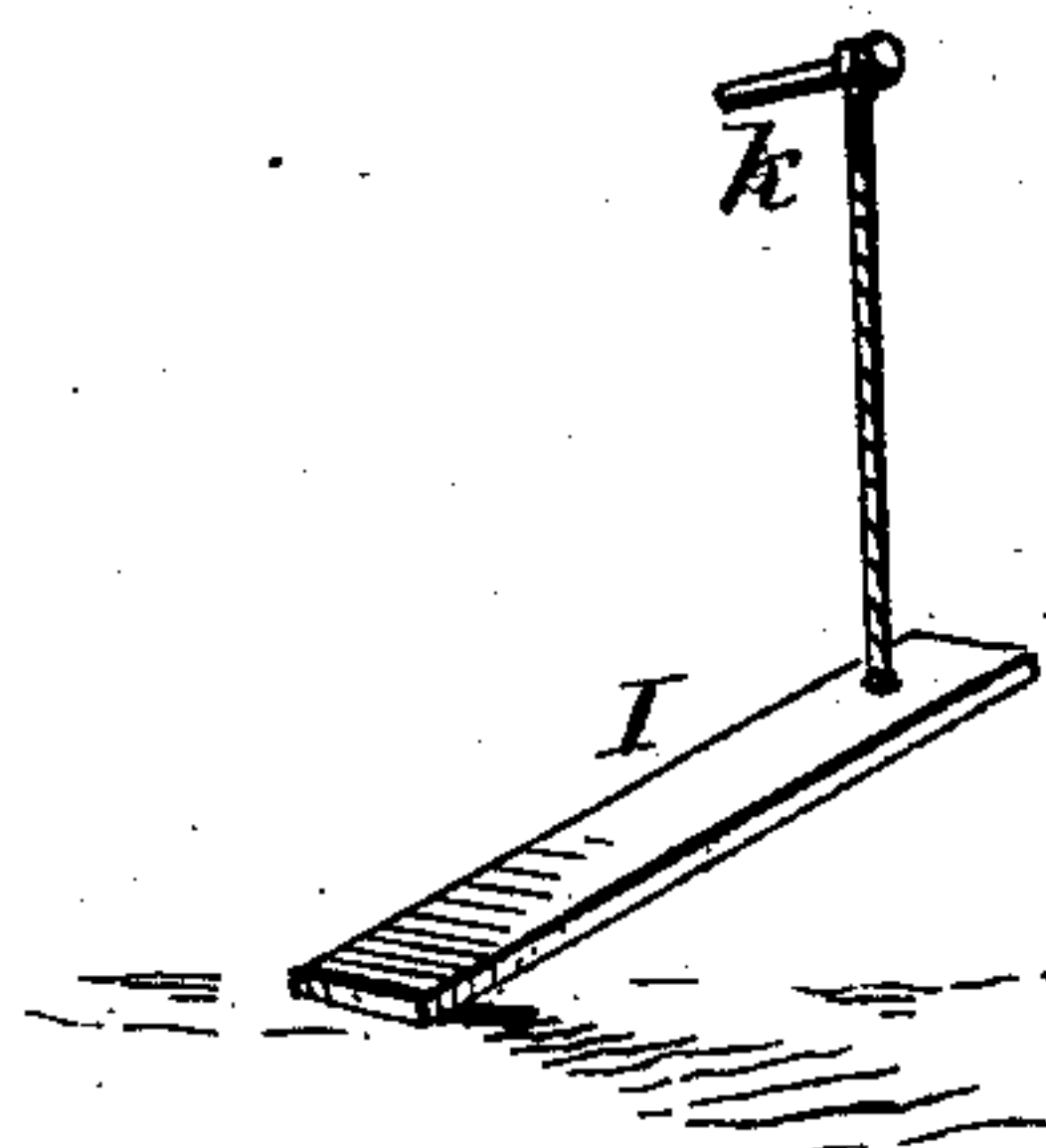
*fig 1*



*fig 2*



*fig 3*



WITNESSES:

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# UNITED STATES PATENT OFFICE.

JOHN W. HILL, OF CAIRO, ILLINOIS.

## COMBINED CRADLE AND SEESAW.

SPECIFICATION forming part of Letters Patent No. 273,530, dated March 6, 1883.

Application filed October 3, 1882. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN W. HILL, of Cairo, Alexander county, Illinois, have invented a new and useful Improvement in Combined Cradles and Seesaws, of which the following is a full, clear, and exact description.

This invention relates to combined cradles and seesaws or teetering devices, and in which side rockers are used that make the undulating motion in line with the body, whereby when using the device as a cradle the tossing of the body and the turning of the head of the child from side to side, as in cross-rocking, and which is alike injurious as unpleasant, is avoided.

It also relates to such of said teetering devices in which adjustable chairs or seats are combined with the rockers, and in which springs are used to ease the motion and a pulley and cord are employed to work the teeter.

The invention consists in certain novel constructions and combinations of parts, whereby an extension cradle and teeter is combined, which affords many increased facilities and advantages, as hereinafter described.

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

Figure 1 represents a view in perspective of my improved device when being used as a teeter; Fig. 2, a longitudinal section of the same, showing the cradle as fully extended by full lines and as contracted to its smallest limits by dotted lines; and Fig. 3 is a perspective view of a treadle that may be applied to the rockers.

A indicates a rocker-frame having attached side rockers, B B, that have grooves *b* in their rocking-surfaces, arranged to receive within them tongues *c c*, formed on a lower platform, C. This platform, which forms a working base for the rockers, may be mounted on rollers *d d*, to facilitate the moving of the whole device over the floor of a room without injury to the carpet thereon, or from place to place, as required. The rockers are further kept in position by steady-pins *e*, arranged to project upward from opposite sides of the platform C, and between rubber blocks *f f*, secured to the sides of the rockers B.

D D are springs connecting the platform C and rocker-frame A on opposite sides of the centers of the rockers and beyond them. These springs ease the motion of and have a balancing effect upon the cradle or teeter.

E E are two sliding seats or cradle end sections fitted so as to be adjustable along grooved ways on the rocker-frame A, and whereby they may either be brought together and secured by a catch, *g*, or otherwise to make a compact cradle, as shown by dotted lines in Fig. 2, or be more or less moved apart to form a teeter, as in Fig. 1, or an extended cradle for a larger child or youth, as shown by full lines in Fig. 2. When thus extended the space between the seats E E may be filled in by one or more removable extension-boards F F.

The same devices or seats, E E, of the seesaw or teeter, it will be observed, also form the cradle, and are each secured in position, when adjusted along the rocker-frame A, by thumb-screws *h h*, of which there may be two for each seat.

When using the structure as a seesaw, the seats E E may be adjusted to different positions or distances, respectively, from the center of the rockers to provide for the two occupants, when of different weights, working the teeter; or they may be so adjusted that one occupant alone may work it, or two children may occupy one seat and one child the other.

Rubber or other bumpers, J, are applied to the under side of the rocker-frame A, to break the shock and ease the motion of the teeter by said bumpers coming in contact with blocks G G, having a sliding fit along the platform C; or said blocks may also be used to check the rockers B when no motion is required, as shown by full lines in Fig. 2.

H is a cord for working the teeter, and which, fastened at its one end to the rocker-frame A, beyond the rockers, passes under a pulley, *i*, on the platform C, and from thence up between the seats to one of the occupants, who thus is enabled to work the teeter; or each occupant may have a similar working-cord.

I is a treadle which may be used for rocking the cradle by foot, and which is simply attached by a cord and screw or peg, *k*, arranged

to fit a hole, *m*, in one of the rockers, and which may be pivoted to the side of the platform or rest on the floor.

When the cradle is at rest it may be adjusted to keep the head of the child slightly raised.

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

1. In a combined cradle and seesaw, the combination, with the rocker-frame A and its side or longitudinal rockers, B B, of the seats or cradle end sections, E E, adjustable toward or from each other along the rocker-frame, and the base or platform C, on which the rockers are arranged to work, substantially as specified.

2. The combination of the springs D D with the platform C, the rocker-frame A, having attached rockers B B, and the longitudinally-adjustable seats E E, essentially as described.

3. The adjustable blocks G G, in combination with the rockers B B and rocker-frame A, the springs D D, and the bumpers J J, substantially as specified.

4. The combination, with the rocker-frame A, of the seats E E and one or more extension-boards, F, the whole forming an extension-cradle, essentially as described.

5. The teeter-working cord H and pulley *i*, in combination with the springs D D, the rocker-frame A, with its attached rockers B B, the seats E E, independently adjustable along said frame, and the platform C, substantially as specified.

JOHN WAGLEY HILL.

Witnesses:

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HENRY WELLS.