April 13, 1926. 1,580,508

N. B. LILES

ADJUSTABLE ONE-PASSENGER SEESAW

Filed Sept. 21, 1925 2 Sheets-Sheet 1

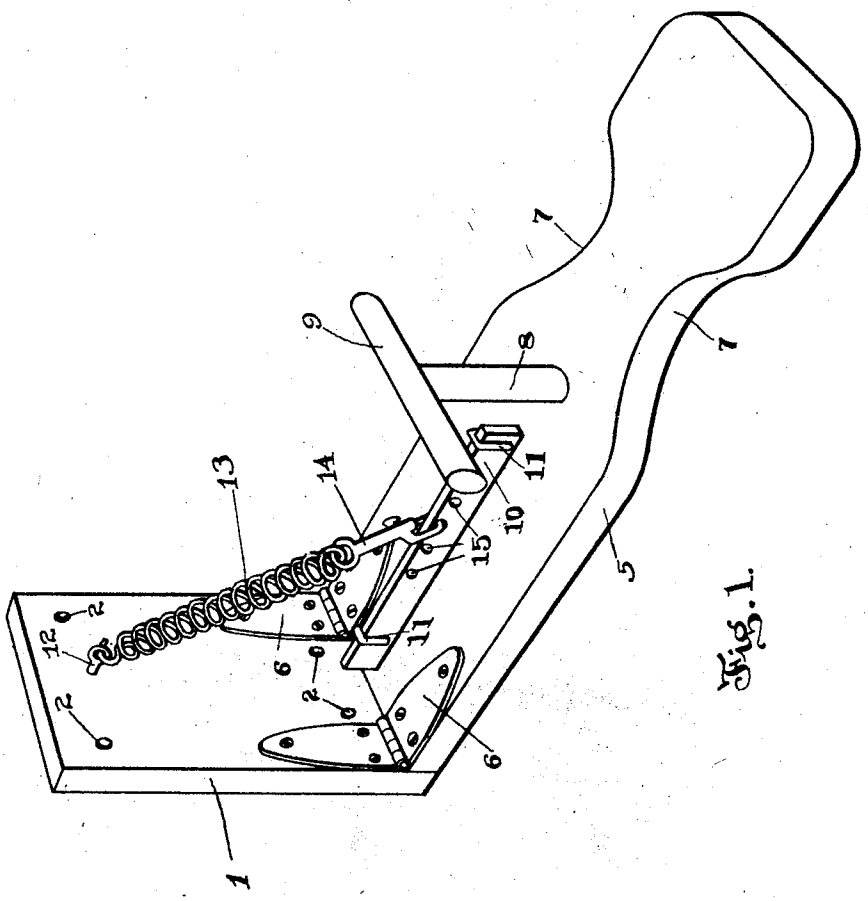


Fig. 1.

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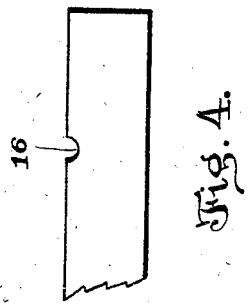


Fig. 4.

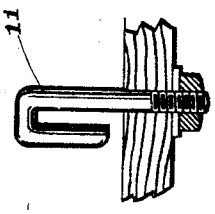


Fig. 3.

Fig. 2.

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Patented Apr. 13, 1926. 1,580,508

UNITED STATES PATENT OFFICE.

NAPOLEON B. LILES, OF BLACK MOUNTAIN, NORTH CAROLINA.

ADJUSTABLE ONE-PASSENGER SEESAW.

Application filed September 21, 1925. Serial No. 57,711.

To all whom it may concern:

Be it known that I, NAPOLEON B. LILES, a citizen of the United States, residing at Black Mountain, in the county of Buncombe, State of North Carolina, have invented a new and useful Adjustable One-Passenger Seesaw, of which the following is a specification.

My invention relates to one-passenger seesaws which can be adjusted to suit the weight of the child using the same, the objects being to provide a see-saw or swing which can be attached to the wall of a building, a post, or to any desired form of support. A further object of my invention is to provide a see-saw or swing on which one child may swing, and is especially adapted to be placed in homes where there is only one child, thus giving the child the advantages of a see-saw swing at any time he desires to use the same.

Other objects of invention will appear as the description proceeds, reference being had to the accompanying drawings in which—

Figure 1 is a perspective view of my device;

Figure 2 is a side elevation of my device, also showing it in raised position in dotted lines;

Figure 3 is a detail view showing the means for holding the adjusting bar in place;

Figure 4 is a detail view of a section of the adjusting bar.

Having thus briefly described the different figures in the drawings, a detailed description of the drawings will now be given in which like reference characters indicate corresponding parts throughout the drawings.

The numeral 1 indicates the portion of my device which is adapted to be secured to the wall of a building, to a post, or to any other desired form of support. This portion 1 has holes 2 therein for the reception of the bolts or wood screws 3 which are adapted to penetrate the support 4 and hold the device firmly to the desired form of support.

Secured to the lower portion of the member 1 is the board 5, which is secured to the member 1 by means of hinges 6. The end portion of the board 5 which farthest removed from the hinges has cut away portions 7 in which the legs of a child will fit when the child is seated thereon for swinging. Immediately forward of these cut away portions there is an upright post 8 secured to the board 5, and said upright post has a cross bar 9 secured to the top of the upright post, which serves as a handle for the child while seated on the board 5.

Approximately along the longitudinal center of the board 5 and on the upper side thereof is secured the adjusting bar 10, which is secured to the board 5 by means of hooked bolts 11, said bolts penetrating the board 5 and having nuts on their lower ends, as is clearly shown in Figure 3.

Any desired means, such as an eye bolt 12 may be secured to the upper center portion of the member 1, and to this eye-bolt is secured the coiled spring 13, which has a snap hook on its lower end, said snap hook 14 being adapted to engage any one of the holes 15 in the adjusting bar 10, the purpose of this adjustment being to allow the device to be adjusted to suit the weight of the child which is to swing thereon.

The adjusting bar 10 may have a notch 16 in its upper edge for the reception of the hooked bolts 11, and thus prevent the adjusting bar from slipping.

The method of operation is as follows:

The device is secured to any desired form of support, such as a wall, a post, a series of parallel timbers mounted on posts and parallel with the ground, or any desired form which may be best suited to the circumstances. The child is placed on the seat of the device, and the spring tension is adjusted by means of placing the snap hook in the desired hole 15 in the adjusting bar 10, and the child's feet touch the ground, but the tension of the spring 13 almost lifts the child from the ground or floor as the case may be. When the child places its feet to the ground and gives a slight jump, the board 5 will raise the child from the ground to a predetermined point as shown by the dotted lines in Figure 2, or to even a greater height, depending on the tautness of the coiled spring and the force exerted by the child in its jump. When the child has reached its highest point from the ground or floor, the board 5 will descend, carrying with it the child seated thereon, and the child's feet will touch the ground, and another jump will be made by the child, and this operation will continue as long as desired. It is thus seen that the child will get the same motion as in a see-saw operated by two children, one on each end of the conventional see-saw, and at the same time, undesirable playmates will not have to be en-

dured for the sake of operating a see-saw.

It is desired to be understood that I am not limited to the particular form of wall support as illustrated, but it may be stated that instead of the member 1, the hinges may be attached to a timber parallel with the ground or floor, and the eye-bolt 12 may be secured to another timber parallel with the timber to which the hinges on the board 5 are attached. This would be especially desirable should a plurality of these devices be installed in a play-ground.

Having thus fully described a preferred embodiment of my invention, what I desire to protect and secure by Letters Patent of the United States is as follows:

I claim:

In an amusement device, a vertical support, a seat portion hingedly secured to the vertical support and adapted to swing in a vertical plane, a handle-bar rising vertically from the upper portion of the seat portion, a bar secured to the upper side of the seat portion and extending longitudinally of the seat portion from a point near the handle bar to a point in close proximity to the point where the seat portion is hingedly secured to the vertical support, holes in the bar, a coiled spring having one of its ends secured to the vertical support at a point above where the seat portion is secured to the vertical support and having a hook on its other end adapted to be inserted in any one of the holes in the bar.

In testimony that I claim the foregoing as my own I have hereunto affixed my signature this the 17th day of September, 1925.

NAPOLEON B. LILES.