W. E. HASTINGS.

SEESAW AND MERRY-GO-ROUND.

APPLICATION FILED MAY 15, 1919.

1,319,073. Patented Oct. 21, 1919.

Fig. 1.

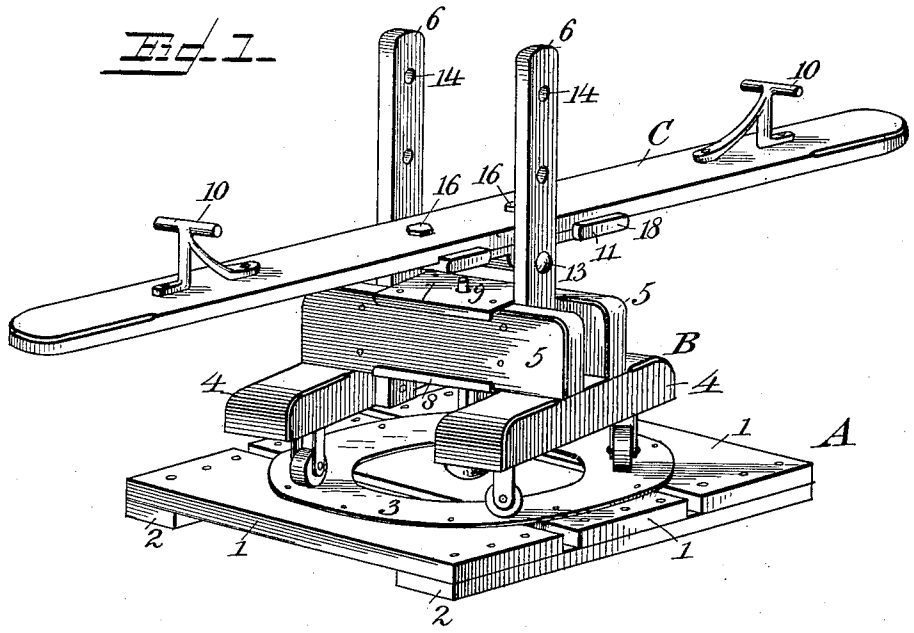


Fig. 2.

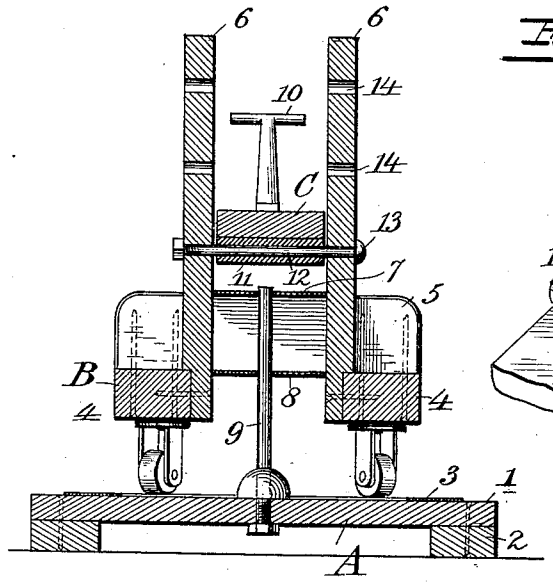
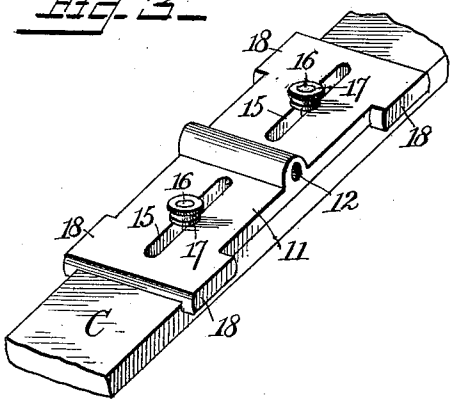


Fig. 3.



WITNESSES

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SEESAW AND MERRY-GO-ROUND.

1,319,073. Specification of Letters Patent. Patented Oct. 21, 1919.

Application filed May 15, 1919. Serial No. 297,215.

To all whom it may concern:

Be it known that I, WILLIAM E. HASTINGS, a citizen of the United States, residing at Sandusky, in the county of Erie and State of Ohio, have invented a new and useful Seesaw and Merry-Go-Round, of which the following is a specification.

This invention relates to a combined see-saw and merry-go-round.

The objects of the invention are to provide a device of this character, which while combining the desirable features of a see-saw and merry-go-round, will admit of the independent use of the see-saw when there is not sufficient room for the operation of the merry-go-round, which may be used indoors or out, which may be easily adjusted to suit the height and weight of different children, which is of strong construction to withstand rough usage, and which is constructed to come within the means of the average family.

To the accomplishment of these and other objects, the invention consists in certain features of construction and novel combination of parts as hereinafter set forth and particularly pointed out in the claims; it being understood that while the drawing shows the preferred embodiment of the invention, I do not wish to be limited to the form, size, materials, proportion, or minor details of construction, and desire to make such changes as will fairly come within the scope of the appended claims.

In the accompanying drawings—

Figure 1 is a perspective view of a combined see-saw and merry-go-round;

Fig. 2 is a vertical transverse section through the pivot of the see-saw and the spindle on which the truck or turn-table turns;

Fig. 3 is a perspective view showing the pivot plate or casting on the underside of the board which constitutes the see-saw.

Like reference numerals refer to the same parts in the several figures of the drawing.

Referring to the drawing, the invention consists generally of a platform A, a truck or turn-table B, and a see-saw or "teeter board" C, carried by the truck, these elements being connected together so as to be readily detachable from each other, when it is desired to change the position or use of the device.

The platform A consists of a series of wooden boards 1, rigidly connected by nails, screws or bolts to transverse sills 2. On the upper face of the boards 1 is secured, by similar means, a circular metallic plate 3, which constitutes a track on which the truck or turn-table B turns.

The truck or turn-table B consists of rigid wooden main beams 4—4 connected by bolts to wooden cross-beams 5—5, which are set on edge and are in turn fastened by suitable means to upright standards 6—6, which fit between the cross-beams and extend down and are secured by nails, screws or bolts to the inner sides of the main beams 4. Upper and lower bearing plates 7 and 8 are rigidly connected to the cross beams 5 and fill the space between the standards 6. Said plates have alined openings therein for the reception of the vertical spindle 9, which is rigidly but detachably secured to the platform A by a nut, as shown.

It will be noted that the main beams 4 are firmly tied together by the cross-beams 5, while the standards 6, which are fitted between the cross-beams and fastened to the main beams are firmly braced against movement. The rigid mounting of the standards is necessary because they support the see-saw.

Swiveled casters (four in number) are mounted on the underside of the main beams 4 to run on the track 3, as the truck is turned on the spindle or pivot 9. These casters are of the usual detachable kind and are removably mounted in place.

The board C is made of stout material having two hand holds 10, rigidly mounted on the upper side adjacent to each end, these hand holds being intended to be grasped by the children seated on the board. On the underside of the board a casting or pivot plate 11 is mounted, said casting being rectangular in form and having a transverse pivot bearing opening 12 at an intermediate point of its length for the reception of a bolt 13, which is also passed through alined openings 14 of the uprights 6, and is provided with a nut, as shown in Fig. 2 of the drawings.

This casting or pivot plate is slotted longitudinally on each side of the opening, as shown at 15, to receive a threaded bolt 16, having a clamping nut 17, and is provided with a pair of guide flanges 18 at each end, the purpose being to shift the casting or plate along the board to the desired position, and then retain it in its adjustment by means of the nuts 17. This construction enables the pivot of the teeter board to be shifted so as to accommodate the see-saw to children of different weights, it being necessary to provide an equal balance for the teeter board by adjusting the pivot so as to give the advantage of leverage to the child of lighter weight. This can readily be done by loosening the nuts and then shifting the plate to the desired extent, and then tightening the nuts. The series of openings 14 in the uprights provide for the adjustment of the see-saw vertically to accommodate children of different sizes.

The flanges on the casting or pivot plate not only serve to guide the plate or casting as it is shifted along the board, but hold the plate from shifting laterally. The plate or casting also strengthens the board at the place of greatest strain.

The operation of this invention will be obvious from the foregoing description. The teeter board is operated the same as any ordinary see-saw, and when in operation the uprights 6 hold the board from lateral movement. If, however, the occupants wish to have the effect of a merry-go-round, this can easily be accomplished by pushing against the teeter board or the turntable so as to rotate the latter on the supporting wheels or casters, which travel over the track in an obvious manner.

If desired to be used indoors, and there is not enough room for both the platform and truck, the truck may be detached from the platform and the casters removed, and the beams 4 rested upon the floor, whereupon the device can then be used simply as a see-saw.

It will be noted that the truck or turntable may be detached from the platform, the spindle 9 also detached, and the see-saw detached from the truck, and the parts laid away when not desired for use, and may be shipped in the same way. The ease with which the parts of the device may be detached and separated and then reassembled should commend itself to the general public.

The materials used in the construction of the device are of a simple and strong character, and make it possible to manufacture the same with a minimum amount of machinery.

The article may be constructed in various sizes to suit varying conditions.

What I claim is:—

1. The combination with a teeter board, of a pivot plate therefor comprising a rectangular plate having a transverse pivot opening at an intermediate point of its length, a pair of guide flanges at each end of the plate for engaging the sides of the board, said plate being provided with a pair of longitudinal slots, one on each side of the pivot opening, bolts passed through the slots into the board, and clamping nuts on the bolts for holding the plate in proper adjustment.

2. The combination with a platform having a track, and a vertical spindle rigidly secured at its lower end only to the platform, its upper end being free, of a truck or turn-table detachably and revolubly mounted on the spindle by being slipped over the upper end thereof, said truck or turn-table being removable from the spindle without disturbing the latter, and a see-saw detachably pivoted to the truck or turn-table.

3. The combination with a platform having a track, and an upright spindle rigidly secured at its lower end only to and extending from the platform, of a truck or turn-table having vertically spaced and alined bearing openings to slip over and receive said spindle, and wheels carried by the truck or turn-table to run on the track, said truck or turn-table being removable from the spindle without disturbing the latter, and a see-saw pivotally connected to the truck or turn-table.

4. The combination with a platform having a track, and an upright spindle, of a truck or turn-table consisting of a pair of main beams, a pair of cross beams connecting the main beams, and a pair of standards located between the cross beams and connected to the main beams, and a teeter board pivoted to the standards.

5. The combination with a platform having a track and an upright spindle, of a truck or turn-table swivelly mounted on the spindle and having wheels to run on the track, a pair of standards rising from the truck or turn-table at each side of and above the swivel connection, and a teeter board pivotally mounted between said standards.

6. The combination with a platform having an upright spindle and a track, of a track or turn-table having wheels to run on the track and provided with bearing openings to receive the spindle, a pair of standards rising from the truck or turn-table and provided with a vertical series of openings, a teeter board mounted between said standards, and a bolt for detachably and pivotally connecting the teeter board in a pair of said openings.

7. The combination with a platform having a track and an upright spindle, of a turn-table comprising a pair of spaced main beams, a pair of spaced cross beams connecting the main beams, upper and lower plates

connecting the cross beams, and a pair of standards arranged on each side of the plates and between the cross beams, said plates being provided with bearing openings to receive the spindle, and said main beams having wheels to run on the track, and a teeter board pivotally mounted between said standards.

In testimony, that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

WILLIAM E. HASTINGS.

Witnesses:
PETER HERT,
WILLIAM PFANNERS.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."