

(No Model.)

J. CLASS.

SEESAW AND MERRY-GO-ROUND.

No. 368,652.

Patented Aug. 23, 1887.

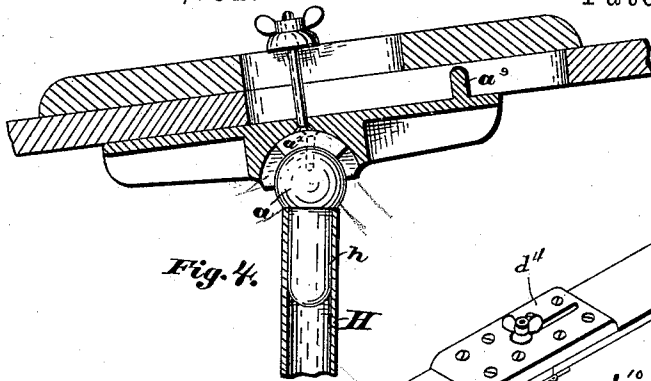


Fig. 4.

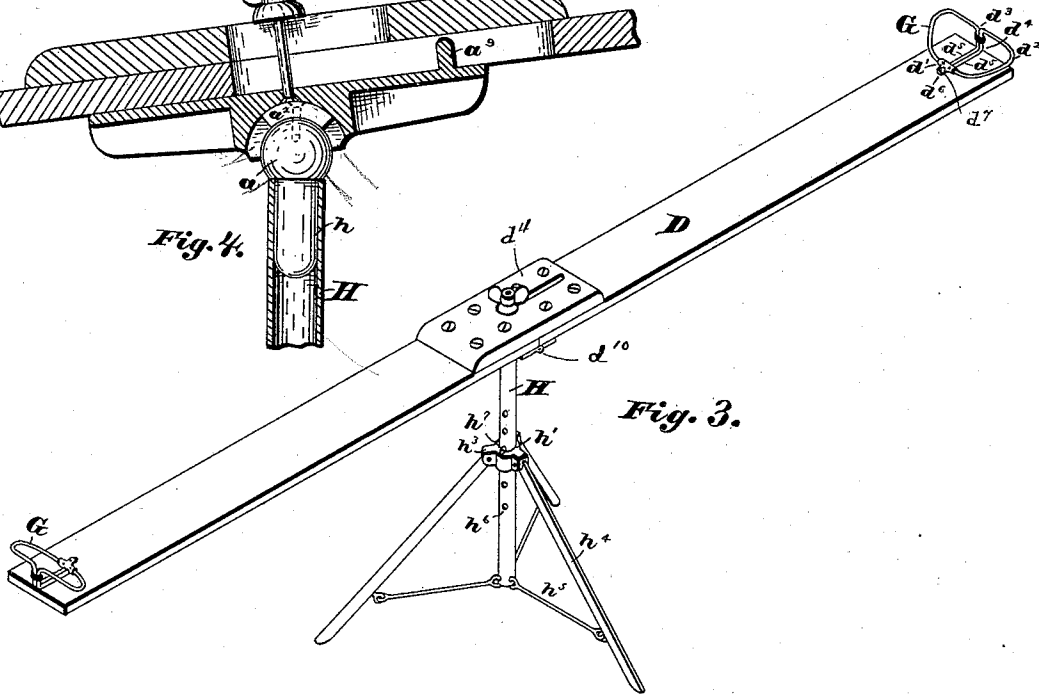


Fig. 3.

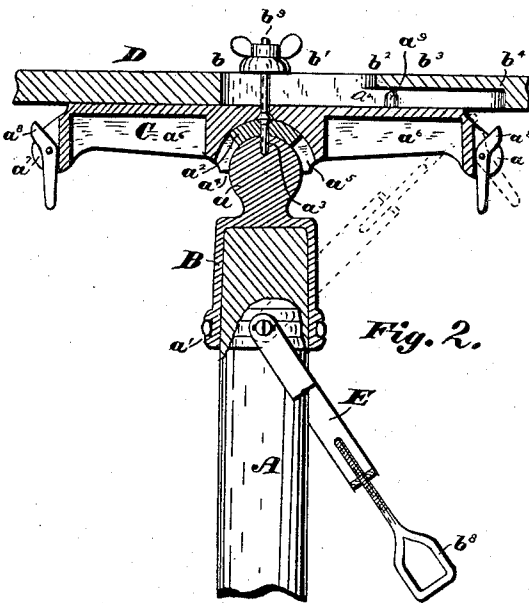


Fig. 2.

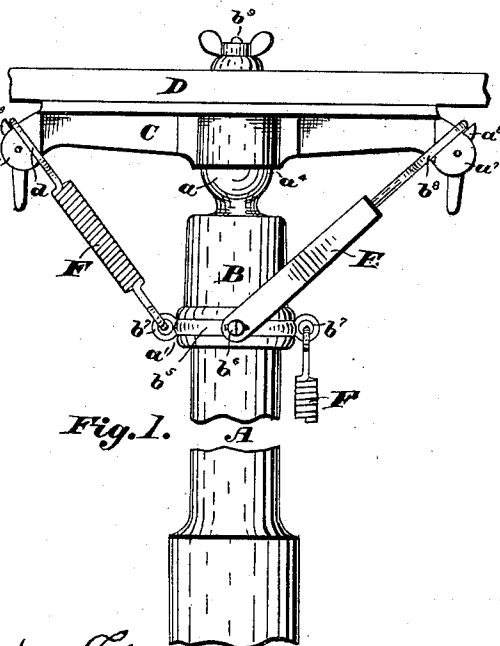


Fig. 1.

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SEESAW AND MERRY-GO-ROUND.

SPECIFICATION forming part of Letters Patent No. 368,652, dated August 23, 1887.

Application filed May 20, 1887. Serial No. 238,881. (No model.)

To all whom it may concern:

Be it known that I, JOHN CLASS, a citizen of the United States, and a resident of Canton, county of Stark, State of Ohio, have invented a new and useful Improvement in Seesaws and Merry-Go-Rounds, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, making part of this specification.

My invention relates to improvements in seesaws and merry-go-rounds; and it consists in providing a combined seesaw and merry-go-round, as hereinafter described.

My invention relates to the detail and combination of parts, as described, and set forth in the claims.

Figure 1 is an elevation of a seesaw and merry-go-round, representing my improvements. Fig. 2 is a like view, partly in section. Fig. 3 is a view in perspective of my invention adapted to a portable stand or base. Fig. 4 is a sectional view of the same.

Similar letters of reference indicate corresponding parts in all of the figures of the accompanying drawings.

Letter A represents a post or stand that may be planted on the lawn or elsewhere, on the top of which there is mounted a cast-metal socket, B, the upper end of which terminates in a spherical head or ball-shape portion, *a*. About the lower end of said socket there is provided an annular groove, *a'*. On the apex of the head *a* there is a segmental slide, *a²*, the circle of the under side of the slide to coincide with the surface of the head *a*, with which a pivotal connection is formed by the rivet *a³*, about which the slide *a²* may rotate.

A saddle-piece, C, is provided, having about central thereto a hemispherical socket, *a⁴*, in which there is provided a semi-annular groove, *a⁵*, in the line of the saddle-wings *a⁶*, the size of said groove to be regulated by the size of the slide *a²*, over which it will move as the saddle is vibrated over the head. The object of the slide and groove is to prevent a side rocking movement of the saddle and yet allow it to vibrate freely over the head in the line of its length. On the outer ends of the saddle-wings *a⁶* there are provided downwardly and outwardly projected lugs *a⁷*, having pivoted between them a latch, *a⁸*, and on the top a stud, *a⁹*, and from the center of the saddle an up-

wardly-projected bolt, *b⁹*, by which the said plank D is secured to the saddle C. From the center of the saddle, as at *b*, there is a through-slot, *b'*, in the plank C, adapted to the bolt *b⁹*, extending longitudinal to *b²*, and a groove, *b³*, on the under side extending to *b⁴*, in which rests the lug *a⁹*.

In the groove *a'* there is a ring, *b⁵*, having trunnions *b⁶* and eyes *b⁷*. The said ring *a'* is divided in two parts, said division being central through the trunnions, the two parts being duplicates. Link E has a pivotal connection about the trunnion *b⁶*. The side link is provided with an adjustable loop, *b⁸*, the free end of which is adapted to pass over the end of the saddle-wing *a⁶* and rest on the end of the latch *a⁸*, and to the eyes *b⁷* is attached coil-springs F, the outer end of which is provided with a loop, *d*, adapted to pass over the end of the saddle-wing *a⁶* and rest on the latch *a⁸*.

The seat-plank D has on each end a back-rest, G, formed of a single piece of wire, and in form substantially as shown, beginning at the front middle section, as at *d'*, and extended outwardly and upwardly to a point designated as *d²*, and inwardly to *d³* and downwardly to *d'*, thence to the point designated as *d'*, at which point the free ends *d²* are secured to the central portion, *d'*, of the wire, and at which point the parts are clasped together by metal clasp *d⁶* about the parts, and by which the rest may be secured to the plank by a bolt, *d⁷*, about which said rest may be adjusted for a side seat or astride. The seat-plank D may be in two parts, connected by the hinge *d¹⁰* and secured by the splice-block *d¹¹*.

It will be seen that the seesaw may be vibrated in any direction over the head *a*, the slide *a²* moving about the pivot *a³*, but can have no rocking side motion. To apply the springs, pass the loops *d* over the latch *a⁸*. With both springs applied the saddle cannot be thrown from the head, making the use of either the seesaw or merry-go round safer for children; or one spring may be dropped down and the seesaw used by one child.

Whether the springs are connected with the saddle or not, my invention may be used as a seesaw or merry-go-round, or both at the same time, as the rotary and vibratory movements may be simultaneous; and to adapt the parts to be used as a merry-go-round for one person,

the link E may be connected with the saddle, as shown in Fig. 1, the person seated on the opposite end of the plank. Whether this cheek-loop or the springs are in use, the ring b^5 will 5 revolve about the socket B in the groove a and the groove a^5 , vibrating over the slide a^2 as the ends of the seat-plank rise and fall.

The seat-plank may be adjusted endwise over the saddle to adapt the seesaw to persons of unequal weight, and secured in such adjustment 10 by the thumb-screw b^9 .

For the purpose of adapting my invention to nursery and other indoor use, I have provided a tripod for the support of the hereinafter-described seesaw and merry-go-round, consisting of a central vertical stem, H, preferably of metal pipe, surmounted by the spherical or ball-shaped portion a and slide a^2 , a leg-support, h , embracing said stem H, having 15 flanged projections h^2 , for the reception and support of the legs h^4 , the said legs having a link-connection, h^5 , with the bottom of the stem H, as shown. The stem H is also provided with a series of perforations, h^6 , and a pin, h^7 , 20 by which the height of the seesaw and merry-go-round may be adjusted.

Having thus fully described the nature and object of my invention, what I claim, and desire to secure by Letters Patent, is—

30 1. In a seesaw and merry-go-round, the combination of the head a , the upper portion of which is spherical, and the upwardly-projected slide a^2 , pivoted thereto, and a saddle, C, having a hemispherical socket, a^4 , and groove a^5 , 35 substantially as shown and described, and for the purpose set forth.

2. In a seesaw and merry-go-round, the combination of the head a , the upper portion of which is spherical in form, an upwardly-projected pivot, a^3 , and a saddle, C, having a 40 hemispherical socket, a^4 , and groove a^5 , said

saddle adapted to be vibrated over and rotated about said pivot, substantially as and for the purpose set forth.

3. In a seesaw and merry-go-round, the combination, with the stand A, of the socket B, 45 having an annular groove, a^5 , spherical head a , and a saddle, C, having a hemispherical socket, a^4 , and projected wings a^6 , having on their outer ends latches a^3 , ring b^5 , and springs F, substantially as described, and for the purpose set forth. 50

4. In a seesaw and merry-go-round, the combination, with the standard A, of the socket B, having an annular groove, a^5 , spherical head a , 55 an upwardly-projected slide, a^2 , a saddle, C, having a hemispherical socket, a^4 , groove a^5 , wings a^6 , latches a^3 , ring b^5 , loop E, and seat-plank D, substantially as described, and for the purpose set forth. 60

5. In a seesaw and merry-go-round, the combination, with the seat-plank, of the saddle C, having a hemispherical socket, a^4 , groove a^5 , a spherical head, a , slide a^2 , standard H, having perforations h^6 , pin h^7 , and a tripod having 65 legs h^4 , the upper ends of which are pivotally connected to the support-ring h^5 , the lower end by a link to the standard H, substantially as shown and described, and for the purpose set forth. 70

6. In a seesaw and merry-go-round, the combination, with the seat-plank, of the seat consisting, essentially, of a wire or rod bent into shape to form the sides and back of a seat and secured to the plank in rotary adjustment, substantially as set forth. 75

In testimony whereof I have hereunto set my hand this 14th day of May, A. D. 1887.

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Witnesses:

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CHAS. R. MILLER.