A. G. BECK.

WHEELED TOY.

APPLICATION FILED FEB. 28, 1920.

1,364,684. Patented Jan. 4, 1921.

Fig. 1.

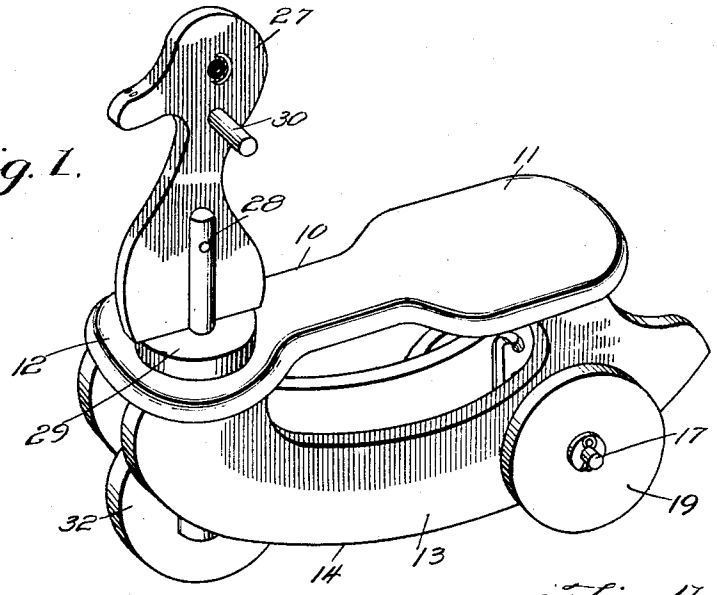


Fig. 2.

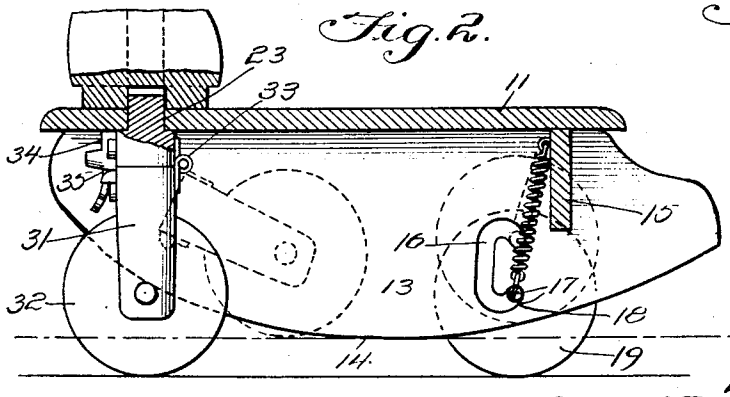


Fig. 4.

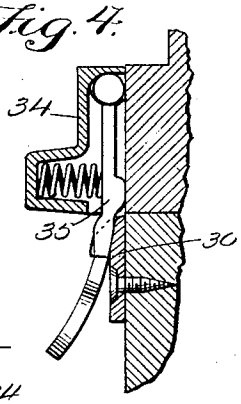


Fig. 3.

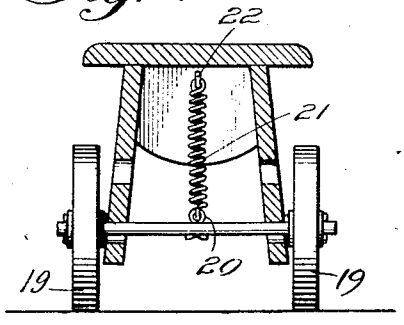
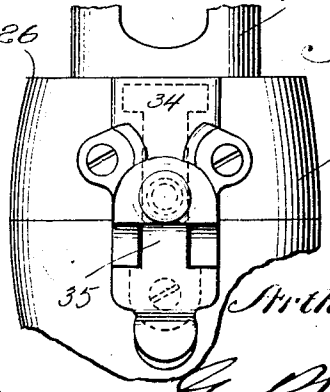


Fig. 5.



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UNITED STATES PATENT OFFICE.

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WHEELED TOY.

1,364,684. Specification of Letters Patent. Patented Jan. 4, 1921.

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To all whom it may concern:

Be it known that I, ARTHUR G. BECK, a citizen of the United States, residing at Norwich, in the county of New London and State of Connecticut, have invented certain new and useful Improvements in Wheeled Toys, of which the following is a specification.

The invention relates to a wheeled toy, and more particularly to the class of convertible wheeled and rocker toys.

Another object of the invention is the provision of a toy of this character, wherein the wheels are mounted in a novel manner so that the same can be adjusted, whereby when in one position will constitute traction wheels so that the toy can be used as a vehicle and when in another position will be elevated from a surface so that the body of the toy will be supported upon rockers and thereby be converted into a rocking seat, the toy being of novel construction so as to enable the adjustment thereof for the easy and convenient converting of the same either into a wheeled vehicle or a rocking toy.

Another object of the invention is the provision of a toy of this character, wherein the front steering roller or wheel is journaled in a hanger mounted in a novel manner and connected with a steering column which is engaged with the head of the toy in a unique manner so that the said toy when converted into a vehicle can be properly steered and conveniently manipulated by the user of the toy.

A further object of the invention is the provision of a toy of this character, wherein the rear wheel axle is mounted in the rockers in a novel manner so that said axle can be readily and conveniently adjusted and when in adjusted position will be sustained against accidental displacement so as not to interfere with the converted disposition of the toy.

A still further object of the invention is the provision of a toy of this character, which is comparatively simple in construction, strong, durable, the parts being assembled in a unique manner, readily and easily converted into a movable vehicle or rocker, thoroughly reliable and efficient in its purpose, and inexpensive to manufacture.

With these and other objects in view, the invention consists in the features of construction, combination and arrangement of parts, as will be hereinafter fully described, illustrated in the accompanying drawing, and pointed out in the claims hereunto appended.

In the accompanying drawing:

Figure 1 is a perspective view of a toy constructed in accordance with the invention, the wheels of the toy being shown in operative position.

Fig. 2 is a vertical longitudinal sectional view, showing by full lines the disposition of the wheels when operative and by dotted lines the disposition of the wheels when in inoperative position for the use of the toy as a rocker.

Fig. 3 is a vertical transverse sectional view.

Fig. 4 is a fragmentary enlarged vertical sectional view taken through the front steering column and front wheel hanger showing in detail the latch.

Fig. 5 is a fragmentary enlarged front elevation of the parts shown in Fig. 4.

Similar reference characters indicate corresponding parts throughout the several views in the drawings.

Referring to the drawing in detail, the toy comprises a body structure formed with a main board 10 provided at its rear end portion with a seat 11, while the forward portion is shaped to provide a head bearing 12. Secured to the underside of the board 10 in any suitable manner and longitudinally disposed relative thereto are spaced parallel rockers 13 provided with the usual curved edges 14 serving as treads for said rocker when the body structure is converted for use as a rocking seat.

Interposed between the rockers 13 beneath the seat 11 formed from the board 10 is a cross-brace 15, which is secured in place in any suitable manner and formed in the runners 13 in advance of said brace 15 and slightly beneath the same are substantially C-shaped slots 16 which are adapted to register with each other and receive therein a rear axle 17, which is freely movable in the slots 16 to permit the adjustment of said axle, the terminals of the slots 16 constituting seats 18 for said axle 17 which carries upon its ends rear traction wheels or rollers 19, the latter being disposed outside of the runners 13 and are journaled for free rotation upon the ends of the axle as will be clearly apparent. Mounted medially in the rear axle 17 is a staple 20 to which is connected one end of a coiled retractile spring

21, the opposite end thereof being connected to an eye member 22 fixed in the cross brace 15 and this spring 21 serves to support the rear axle 17 engaged in the seat 18 formed at the lowermost terminals of the slots 16, the axle 17 being manually moved in the slots 16 to shift the same into the terminal seats 18 of said slots when it is desired to raise or lower the rear traction wheels 19 as is clearly shown in Fig. 2 of the drawing. When the axle 17 is engaged in the seat 18 formed by the lowermost terminals of the slots 16 the rear wheels 19 will be in a position to contact with a surface and thus hold the body structure elevated from said surface so as to render the body structure mobile at the rear portion thereof.

Formed centrally in the front head bearing 12 is a suitable opening 23 for accommodating the furcated stem 24 of a turning column 25 the enlarged end portion of which constitutes a rest shoulder 26 for the board 10 when the stem 24 is journaled in the opening 23 therein. The furcated stem 24 has detachably fitted in its bifurcation a head member 27 which simulates a portion of the body and head of an animal, fowl or the like. The head member 27 is fastened in the stem 24 through the medium of a cross pin 28 which is tightened transversely through the stem and said head member. Superimposed upon the bearing 12 and surrounding the stem 24 of the steering column 25 to be disposed between the bearing 12 and the head member 27 is a centrally perforated disk 29 which prevents the wabbling of the stem 24 and constitutes a wearing surface when the head member 27 is turned for the steering of the toy. Mounted transversely in the head member 27 is a handle bar 30 which may be conveniently grasped by the rider of the toy for steering the same during the travel of said toy or when the latter is converted into a rocking seat to steady said rider when occupying the seat 11 of the body structure.

Swingingly connected to the enlarged lower end of the steering column 25 is a hanger 31 in which is journaled the front guide or steering wheel 32, the said hanger being connected to the column 25 through the medium of a leaf hinge 33, while diametrically opposite the said hinge and carried by the column 25 is a latch casing 34 with which is fitted a spring held latch 35 adapted for detachable engagement with a keeper 36 secured on the hanger 31 for vertical alinement with the latch casing 34 and in this manner the hanger 31 can be fastened in vertical alinement with the steering column 25 and when in this position locates the front guide or steering wheel 32 for travel upon a surface and thereby elevating the front end portion of the frame structure to render the same mobile at its forward end. When the latch 35 is released from the keeper 36 the hanger 31 can be swung rearwardly to the position shown by dotted lines in Fig. 2 thus lowering the body structure of the toy whereby the rockers 13 can contact with the ground or like surface when the rear axle 17 is adjusted in the slot 16 to engage in the seats 18 formed in the upper terminals of said slots and in this manner the toy is converted into a rocking seat as will be clearly obvious.

It will be clearly apparent that the toy can be conveniently converted for use as a vehicle or a rocking seat and when in use as a vehicle can be readily and conveniently steered by the occupant of the seat 11, the toy being attractive in appearance, will afford amusement and pleasure to the user.

From the foregoing it is thought that the construction and manner of operation of the toy will be clearly understood and therefore a more extended explanation has been omitted.

What I claim is:

1. A toy of the character described comprising a body structure forming a seat and rockers, a front steering column journaled vertically in the frame structure and having a furcated stem, a head member removably fitted within the bifurcation in said stem, means for detachably fastening the head member engaged in the stem, a hanger swingingly connected to the steering column and having a traction roller, means for latching the hanger in vertical alinement with the steering column, a rear axle adjustably mounted in the runner, rear traction wheels on the said axle, and tension means connected with the frame structure and said rear axle.

2. A toy of the character described comprising a frame structure forming a seat and rockers, said rockers having substantially C-shaped slots registering with each other and disposed near the rear ends of said rockers, a rear axle freely movable in the slots and adapted to be seated in opposite ends thereof, a tension means connected with the frame structure and said rear axle to exert a pull upon the latter in the direction of the lower ends of the slots, rear traction wheels journaled on said rear axle, a front steering column journaled in the forward end portion of the frame structure and having a furcated stem, a head member removably fitted within the bifurcation in said stem, a cross handle carried by the head member, means for detachably securing the head member in the stem, a hanger swingingly connected to the column between the rockers, means for detachably locking the hanger in vertical alinement with the steering column, and a front traction wheel journaled in the hanger.

3. A toy of the character described com-

prising a frame structure forming a seat and rockers, said rockers having substantially C-shaped slots registering with each other and disposed near the rear ends of said rockers, a rear axle freely movable in the slots and adapted to be seated in opposite ends thereof, a tension means connected with the frame structure and said rear axle to exert a pull upon the latter in the direction of the lower ends of the slots, rear traction wheels journaled on said rear axle, a front steering column journaled in the forward end portion of the frame structure and having a furcated stem, a head member removably fitted within the bifurcation in said stem, a cross handle carried by the head member, means for detachably securing the head member in the stem, a hanger swingingly connected to the column between the rockers, means for detachably locking the hanger in vertical alinement with the steering column, a front traction wheel journaled in the hanger, and a disk fitted about the stem between the head member and the frame structure.

In testimony whereof, I affix my signature hereto.

ARTHUR G. BECK.