Nov. 22, 1938. W. G. RANNEY 2,137,950

MECHANICAL TOY

Filed April 10, 1937

Fig. 1.

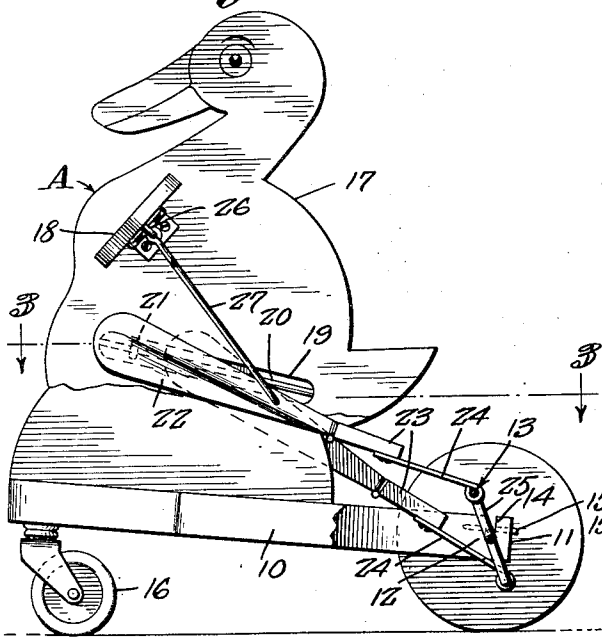


Fig. 2.

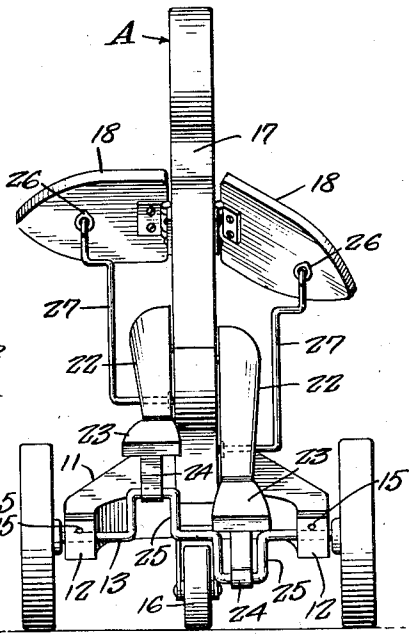


Fig. 3.

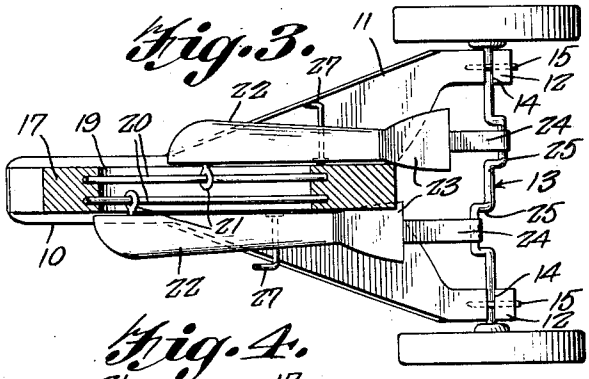


Fig. 5.

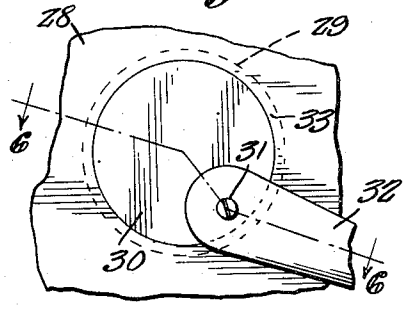


Fig. 4.

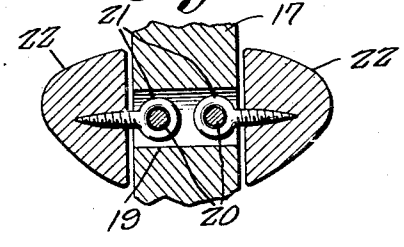
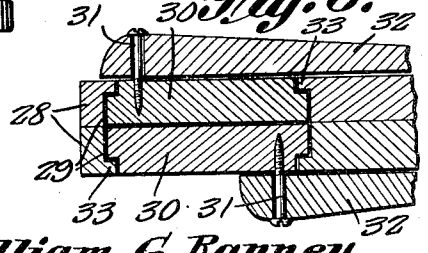


Fig. 6.



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WITNESS

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MECHANICAL TOY

William G. Ranney, South Hills, Pa.

Application April 10, 1937, Serial No. 136,185

1 Claim. (Cl. 46—107)

The invention relates to a mechanical toy and more especially to a wheeled figure toy.

The primary object of the invention is the provision of a toy of this character, wherein the same in its construction is imitative of an animated water fowl, for example, a duck, swan, goose or the like and when in motion the activity thereof is a reproduction of a live fowl in action simulating swimming thus lending interest and attractiveness to a user, the toy being adapted for the amusement of children in the use of the same.

Another object of the invention is the provision of a toy of this character, wherein the image not only is possessed of leg activity but also of wing action, the toy being novel in its make-up and is susceptible for service as a toy vehicle.

A further object of the invention is the provision of a toy of this character, which is simple in its construction, thoroughly reliable and efficacious in operation, neat in appearance, lending attraction in action, strong, durable 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 more fully described, illustrated in the accompanying drawing, which discloses the preferred embodiment of the invention and pointed out in the claim hereunto appended.

In the accompanying drawing:

Figure 1 is a side elevation of a toy constructed in accordance with the invention.

Figure 2 is a rear elevation thereof.

Figure 3 is a sectional view taken on the line 3—3 of Figure 1 looking in the direction of the arrows.

Figure 4 is a fragmentary vertical transverse sectional view through the toy.

Figure 5 is a fragmentary side elevation showing a slight modification.

Figure 6 is a sectional view on the line 6—6 of Figure 5 looking in the direction of the arrows.

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

Referring to the drawing in detail, particularly Figures 1 to 4 inclusive, the toy A comprises a chassis 10 formed with a forked relatively wide rear end 11 providing spaced parallel bearings 12 for accommodating a double crank shaft or axle 13, the latter being separably held in notches 14 provided in these bearings 12 through the use of retaining pins 15 while at the forward or front end of the chassis 10 is a swiveled steering wheel or caster wheel 16 thus rendering the toy mobile.

Carried by the chassis 10 and rising vertically therefrom is a panel or slab 17 cut to constitute an image, such as a water fowl, either a duck, goose, swan or the like, in this instance being imitative of a duck.

Connected to opposite sides of the slab or panel 17 at the proper location are flappers 18 imitative of the wings of such fowl while formed within the panel or slab 17 is a rearwardly inclined slot 19 which opens through opposite faces of the same. Located within the slot 19 are guide rods 20, these being arranged in spaced parallel relation and have their ends anchored in the panel or slab 17 at opposite ends of the said slot 19. Slidably fitting the rods 20 are eye screws 21 which are fixed in the fore end portions of leg pieces 22, these having the rear feet terminals 23 to which are fixed extension arms 24 loosely engaged with the cranks 25 of the shaft or axle 13, these cranks 25 being reversely disposed and on rotation of the said shaft or axle motion will be imparted to the leg pieces 22 for imitation of swimming acitivity of a natural or living water fowl.

Pivoted in the leg pieces 22 and loosely coupled at 26 to the flappers 18 are actuating levers or links 27 so that said flappers 18 will have motion on the activity of the leg pieces 22 when the toy is pulled or pushed in opposite directions thereby reproducing the activities of a water fowl when swimming. The toy may be pulled or pushed in any desirable manner and by reason of the construction thereof as before described it can be utilized as a toy vehicle.

In Figures 5 and 6 of the drawing there is shown a slight modification, wherein the image body or panel is formed in two sections 28, these being joined together in matched relation to each other in any suitable manner and provided in these sections are the circular registering openings 29 in which are counterseated rotatable disks or eccentrics 30, each carrying an eccentric pin or fastener 31 swingingly connecting thereto a companion leg piece 32. This modified construction is in substitute for the rods 20 and eye fasteners 21 hereinbefore described.

The openings 29 are formed with the shoulders 33 for the counterseating of the eccentrics or disks 30 therein and in this manner the latter are retained in the sections 28 when joined with each other.

It is preferable to have the feet terminals 23 connected to the leg pieces 22 through the medium of hinges 34, these being located at the

under sides of the leg pieces 22 so that the said terminals will be free to swing downwardly from the plane of the leg pieces but will be limited in the upward swing thereof and the limit of upward swing is parallel with said leg pieces so that proper motion will be had.

What is claimed is:

A toy of the character described comprising a chassis having wheels, a cranked axle fitted with said chassis and operated by certain of the wheels, a slab-like body of image formation rising vertically from the chassis and having an elongated opening near the lower edge of the slab extending through opposite sides thereof, flappers on opposite sides of said body and movably connected therewith, pieces at opposite sides of the body and connected with the cranks of said cranked axle for actuation thereby, tracking means confined within the opening in said body and having connection with the said pieces for movably holding the latter relative to the body, and links pivotally connected to the said pieces and flappers for rendering the latter active when the said pieces are in motion.

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