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E. A. WAGNER

FIGURE WHEELED TOY

Filed Aug. 6, 1926

Fig. 1.

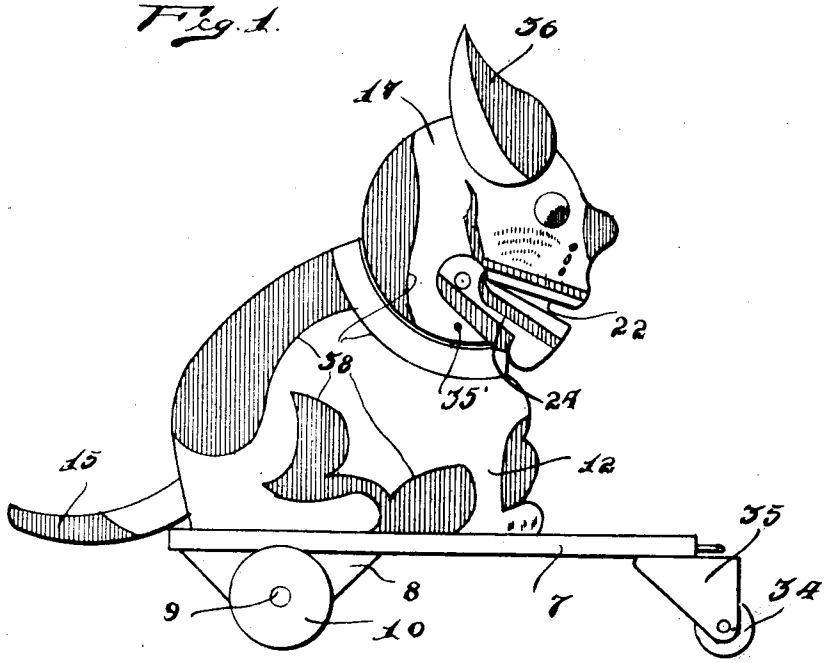


Fig. 2.

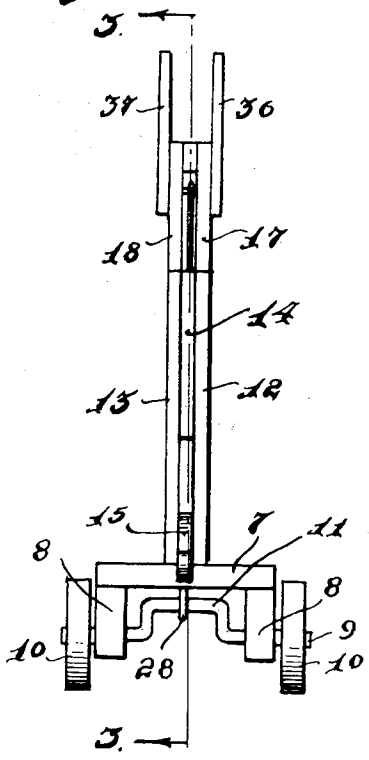
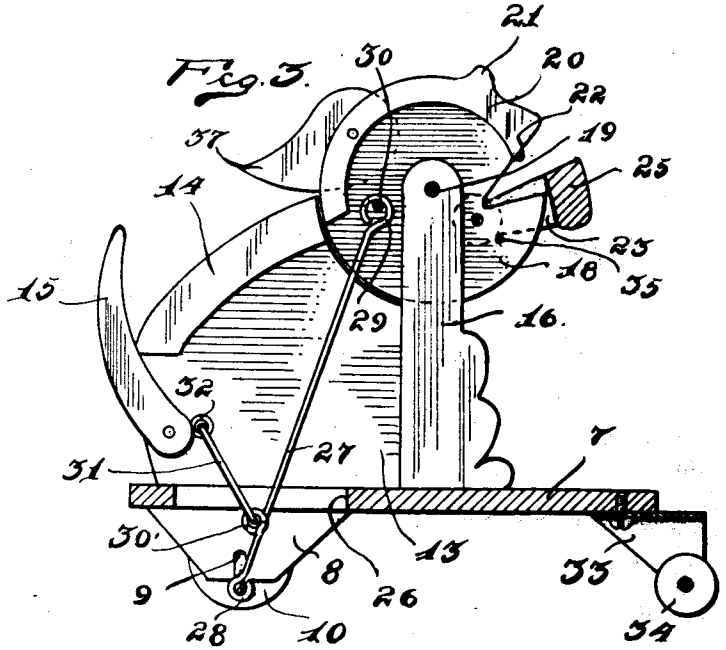


Fig. 3.



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FIGURE WHEELED TOY.

Application filed August 6, 1926. Serial No. 127,548.

My invention relates to a new and useful improvement in a figure wheeled toy, particularly that type of toy which is adapted to be drawn over the floor or other supporting surface, and has for its object the provision of a toy which will be simple in structure, economical of manufacture, durable and productive of much amusement and entertainment.

Another object of the invention is the provision of a toy of this class in which various parts are movable upon a drawing of the toy over a supporting surface.

Another object of the invention is the provision of a toy of this class in which various parts are movable upon a drawing of the toy over a supporting surface.

Another object of the invention is the provision of a toy of this class having various parts movable at predetermined times.

Other objects will appear hereinafter.

The invention consists in the combination and arrangement of parts hereinafter described and claimed.

The invention will be best understood by a reference to the accompanying drawings which form a part of this specification and in which,

Fig. 1 is a side elevational view of the invention.

Fig. 2 is a rear elevational view of the invention.

Fig. 3 is a sectional view taken on substantially line 3—3 of Fig. 2.

In the drawings I have illustrated the invention as comprising a platform 7 projecting downwardly from which are bolsters 8 through which is projected the shaft 9, upon which is fixedly mounted wheels 10. Formed on the shaft 9 between the bolsters 8 is a crank 11.

In the invention I have illustrated a resemblance to a dog mounted on the platform 7, and it is believed obvious that other forms of animal life may be adapted to operate as is shown in the drawings. The main body of the dog comprises a pair of boards 12 and 13 which are secured to and project upwardly from the platform 7, these boards being in spaced relation, a spacing element 14 being secured between them, this spacing element terminating above the lower edge of the members 12 and 13 so as to permit the rearward projection of the tail 15, which is pivotally mounted between the members 13 and 12.

Projecting upwardly from the platform 7 is a support 16 which also serves to space the body forming members 12 and 13 at their forward sides, This support 16 extends between a pair of spaced head forming members 17 and 18 which are formed substantially circular as shown in Fig. 3, and pivotally mounted on the supporting member 16 by means of the pin 19. Secured between the head forming members 17 and 18, at one side thereof, is an arcuate filling block 20 so that the head when viewed from the front side does not disclose any space between the members 17 and 18. A bulge 21 is formed on the members 17 and 18 and the filling block 20 to provide a nose. The members 17 and 18 are cut away to provide a mouth opening for the head as at 22, the filler block 20 terminating at the notch 22.

Pivotally mounted on the members 17 and 18 is a lower jaw forming member comprising a strip 23 which is pivotally mounted on the head forming member 18 and a strip 24 which is pivotally mounted on the head forming member 17, these strips being connected at their outer ends with a block 25.

Formed in the platform 7 is a slot 26, through which is projected a rod 27 having one end connected to the crank 11 by means of the eyelet 28 and the other end connected by means of the eyelet 29 to a pin 30 which extends between the head forming members 17 and 18. The head forming members 17 and 18 are mounted at their center so that they may be rotated on the supporting member 16.

It will be noted that the eyelet 29 is of considerable greater inside diameter than is the outside diameter of the pin 30, so that considerable play is permitted between the pin 30 and the eyelet 29.

Formed in the rod 27 adjacent its lower end is an eyelet 30′ connected by a link 31 to an eyelet 32 carried by the tail 15. Pivotally

mounted to the undersurface of the platform 7 at its forward end is a bolster 33 carrying the pivotally mounted wheel 34.

The construction is such that upon a drawing of the device over a supporting surface, such as a floor or the like, the wheels 10 are rotated to effect a longitudinal movement of the rod 27. This will cause the head forming members 18 and 17 to oscillate on the pin 19 as a pivot. It will also cause the tail 15 to rock on its pivot and on account of the play between the pin 30 and the eyelet 29 the tail is rocked prior to an oscillating of the head forming members 17 and 18, the appearance of the toy being that the tail is wagged upwardly slightly before the head is raised to elevated position. As the head forming members 17 and 18 rotate on their pivots the lower jaw forming members move by gravity on their pivots to expose the notch 22 giving the impression of the animal opening its mouth. Projecting outwardly from each of the head forming members 17 and 18 are abutment pins 35 and 35′, which serve to engage the members 23 and 24 to limit the degree of movement of the lower jaw forming member. As the rotation of the wheels 10 continues the tail is rocked to the position shown in Fig. 1, and the head forming members 17 and 18 move so that the block 25 engages the supporting member 16 and the boards 13 and 12 to give the appearance of the animal having its mouth closed, the notch being in this position unexposed to view.

Ear forming members 36 and 37 are mounted on the head forming members 17 and 18 respectively. As shown in Fig. 1, outlines 38 may be formed on the various portions for the purpose of coloring to provide an ornamental effect. On account of the formation of the nose forming member 21 and the lower jaw forming member 25, when the head forming members are rotated to the position in Fig. 3, the appearance is as though the animal had thrust his head forwardly, at the same time the mouth is opened.

While I have illustrated and described the preferred form, I do not wish to limit myself to the precise form of structure shown, but desire to avail myself of such variations and modifications as may come within the scope of the appended claims.

Having thus described my invention what I claim as new and desire to secure by Letters Patent is:

1. A figure wheeled toy of the class described comprising a platform; a pair of spaced bolsters on said platform adjacent one end projecting downwardly therefrom; a crank bearing shaft journalled in said bolsters and projecting outwardly from each of said bolsters; a traction wheel mounted on each outwardly projecting end of said shaft, the crank on said shaft being positioned between said bolsters; a pair of body simulating plates secured to and projecting upwardly from said platform; a spacing member positioned between said plates for maintaining the same in spaced relation; a substantially circular head simulating member rotatably mounted between said plates adjacent the upper forward end thereof, said circular member having a radially extending notch formed therein and an outwardly projecting peripheral nose simulating boss adjacent said notch; a block; a pair of strips projecting outwardly from opposite ends of said block and pivotally connected at their free ends to said circular member eccentrically thereof adjacent said notch for providing a jaw simulating member; a tail forming member pivotally connected at one end between said plates adjacent their rearward lower end and projecting outwardly therefrom; and means for rocking said tail forming member and said circular member in unison and coordination with each other upon the rotation of said axle, said block moving relatively to said circular member upon rocking of the same.

2. A figure wheeled toy of the class described comprising a platform having a slot formed therein; bolsters projecting downwardly from said platform adjacent said slot at opposite sides thereof; a crank bearing axle projecting through said bolsters and extending beyond the same, the crank on said axle being between said bolsters beneath said slot, traction wheels fixedly mounted on the outwardly projecting ends of said axle; a pair of body simulating plates secured to and projecting upwardly from said platform; spacing members for maintaining said plates in spaced relation; a substantially circular head simulating member rotatably mounted between said plates adjacent the forward upper end thereof, said circular member having a radially extending notch formed therein; a peripheral outwardly projecting nose simulating boss on said circular member; a block; a pair of strips secured each at one end to opposite sides of said block and pivotally connected at their opposite ends to said circular member eccentrically thereof adjacent the base of said slot for simulating a jaw; a tail forming member pivotally mounted between said plates adjacent the rearward lower end thereof and projecting outwardly therefrom; a rod connected to said crank and connected eccentrically to said circular member, said rod having an eyelet formed adjacent its lower end; a link connecting said eyelet to the secured end of said tail forming member; an abutment member on said circular member for engaging said inwardly projecting strips on said block for limiting downward swinging of said block relatively to said circular member, said circular member and said tail forming member rocking on their pivots in coordination with each other upon rotation of said axle, said block moving by gravity

relatively to said circular member upon rocking of the same in one direction and being engaged upon movement of said circular member in the opposite direction by said plates for permitting said circular member to move downwardly relatively to said block.

3. A figure wheeled toy of the class described, comprising: a platform; a pair of traction wheels mounted on said platform; a crank-bearing shaft for supporting said wheels; a supporting body on said platform having spaced parts; a head-forming member rotatably mounted between said parts; means connecting said head-forming member to the crank in said shaft for effecting a rocking of the same upon a rotation of said shaft; a pivotally mounted jaw-forming member on said head-forming member, said jaw-forming member being adapted to move downwardly in response to gravity relatively to said head-forming member upon rocking movement of said head-forming member in one direction, and adapted for engaging said supporting body after movement a predetermined distance, said supporting body retaining said jaw-forming member stationary upon movement of said head-forming member in the opposite direction.

4. A figure wheeled toy of the class described, comprising: a supporting body; a crank bearing shaft mounted on said supporting body; traction wheels fixedly mounted on said shaft, said supporting body having spaced parts; a head-forming member separate from and rotatably mounted between said parts; a tail-forming member separate from and pivotally mounted on said body; and means connecting said head-forming member and said tail-forming member to said crank, the connection of said head-forming member to said crank being a loose one, the rotation of said shaft effecting a rocking of said head-forming member and said tail-forming member, the incipient rocking of said tail-forming member normally preceding the rocking of said head-forming member.

5. A figure wheeled toy of the class described, comprising: a platform; a pair of spaced bolsters on said platform projecting downwardly therefrom; a crank bearing shaft rotatably mounted in said bolsters; a pair of traction wheels fixedly mounted on said shaft, said bolsters being positioned between said wheels; a crank on said shaft between said bolsters; a supporting body mounted on said platform and projecting upwardly therefrom; a head-forming body separate from and rotatably mounted on said supporting body; a tail-forming body rotatably mounted on and separate from said supporting body; a jaw-forming body pivotally mounted on said head-forming body; and means for connecting said head-forming body and said tail-forming body to said crank, said head-forming body and said tail-forming body being rockable upon rotation of said crank, said jaw-forming body being releasable to open position upon rocking of said head-forming body in one direction, said jaw-forming body, upon movement of said head-forming body in the opposite direction, engaging said supporting body and remaining stationary thereto upon continued rotation of said head-forming body in said direction.

6. A figure wheeled toy of the class described, comprising: a crank bearing shaft; a traction wheel fixedly mounted at each end of said shaft; a pair of spaced plates supported by and projecting upwardly from said shaft and of a contour outlining an animal body; a head-forming member rockably mounted between said plates simulating in outline an animal head and having a radially extending notch formed therein simulating an animal's mouth; a block; a pair of strips projecting outwardly from opposite ends of said block and pivotally connected at their free ends to said head-forming member for simulating a movable jaw on said head; a tail-forming member pivotally mounted on and projecting rearwardly from said plates; means for connecting said tail-forming member and said head-forming member to said crank, the rotation of said shaft effecting a rocking of said tail-forming member and said head-forming member, said jaw simulating member moving relatively to said head-forming member upon rocking of the same in one direction for exposing said notch; means for limiting the movement of said jaw simulating member in said direction, said jaw simulating member, upon movement of said head-forming member in the opposite direction a predetermined distance, engaging said plates, and remaining stationary during continued movement of said head-forming member in said direction, and partially concealing said notch.

7. A figure wheeled toy of the class described, comprising: a body-forming member simulating an animal body; a crank bearing shaft mounted on said body; a traction wheel mounted fixedly on each end of said shaft for supporting said body and effecting rotation of said shaft upon rotation of said wheels; a head-forming member simulating an animal head, pivotally mounted on said body-forming member and provided with a radially extending notch; a jaw-forming member mounted on said head-forming member and movable relatively thereto for exposing said notch when in one position and partially concealing said notch in another position; means on said head-forming member engageable with said jaw-forming member for limiting movement of said jaw-forming member relatively thereto in one direction; a tail-forming member pivotally mounted on said body-forming member; means for

connecting said crank to said tail-forming member and said head-forming member and effecting rocking of the same upon rotation of said shaft, said jaw-forming member upon rotation of said head-forming member a predetermined distance in one direction, engaging said body-forming member, said connecting means effecting further rocking movement of said head-forming member after engagement of said jaw-forming member with said body.

In testimony whereof I have signed the foregoing.

ENOS A. WAGNER.