

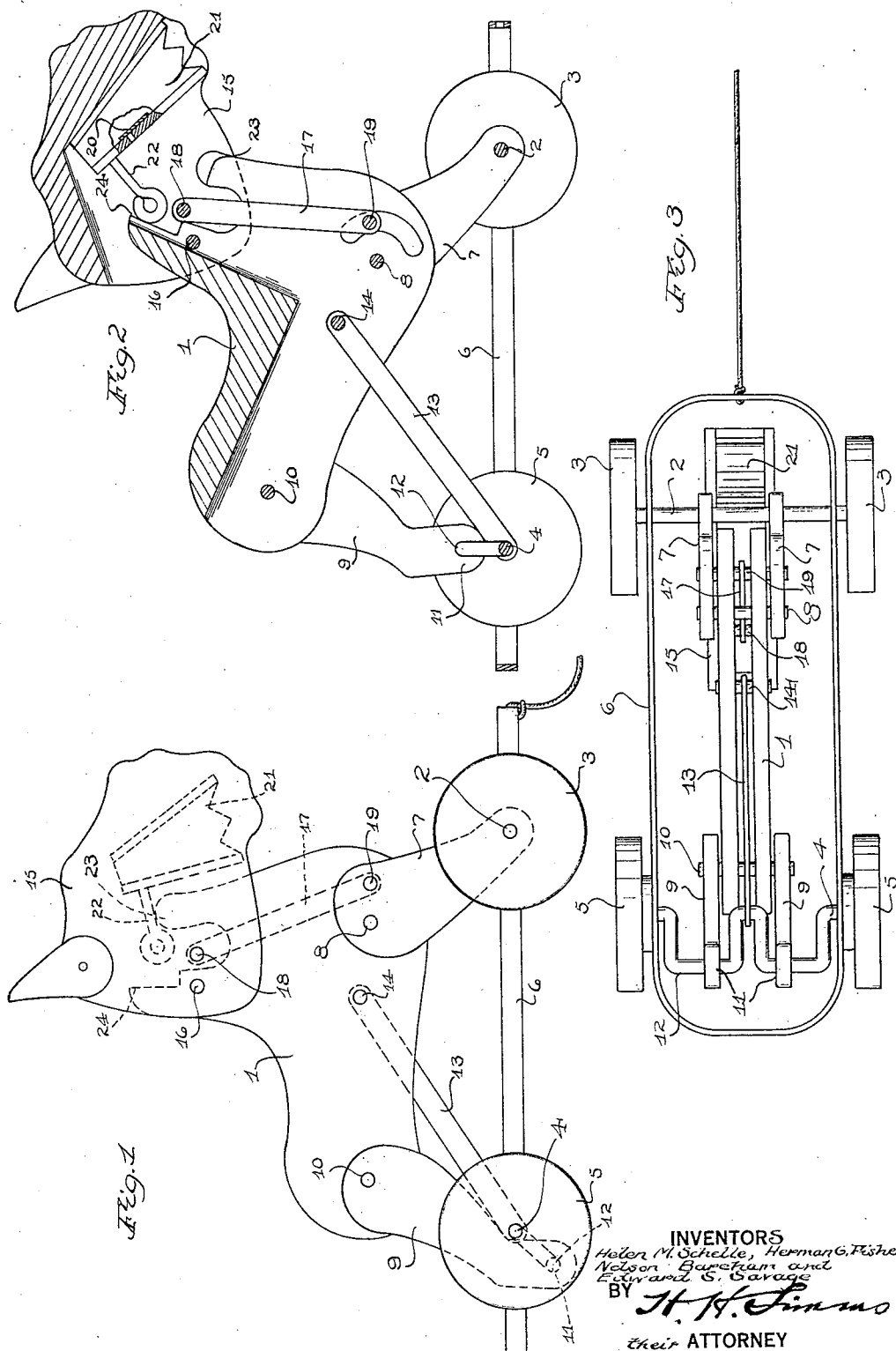
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FIGURE TOY

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FIGURE TOY

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The present invention relates to figure toys and an object thereof is to produce a toy simulating a dog barking while in a playful mood. Another object of the invention is to provide in a figure toy a novel body movement effected through a traction means of the toy. Still another object of the invention is to provide a novel means of operating a bellows of a sound emitting device in a figure toy.

To these and other ends, the invention consists of certain parts and combinations of parts, all of which will be hereinafter described; the novel features being pointed out in the appended claims.

In the drawings:

Fig. 1 is a side view of the top with the parts in one position;

Fig. 2 is a vertical longitudinal section with the parts in another position; and

Fig. 3 is a bottom view of the toy with the parts in still another position.

In the illustrated embodiment of the invention, 1 indicates the body of the toy which, in this instance, simulates a dog.

This body is movably supported on a traction means comprising, in this instance, a carriage formed by a forward shaft 2 having traction wheels 3 thereon, a rear shaft 4 having traction wheels 5 thereon, and connecting means between the two shafts in the form of side bars 6.

The forward portion of the body connects with the traction means, in this instance, by forward supporting means in the form of two links 7 simulating legs pivoted on a common axis 8 on the body and mounted to swing on the shaft 2 about the axis of said shaft.

The rear portion of the body connects with the traction means by rear supporting means, in this instance, in the form of two links 9 simulating legs pivoted at 10 on the body to turn about a common axis and pivotally connected at 11 at their lower ends to cranked or eccentric portions 12 on the rear shaft 4.

The body has a third or intermediate sup-

porting means in the form of an arm 13 which is pivotally supported on the axle or shaft 4 in line with the axis of the shaft so that the arm while being able to swing on the traction means has a fixed pivotal axis thereon. The upper end of the swinging arm is pivoted at 14 to the body at a point intermediate the other supporting means.

The body may have a movable head 15 pivoted thereto at 16 and connected to the movable forward supporting means preferably by a link 17 which is pivoted eccentrically to the head at 18 and eccentrically to the supporting means at 19.

When the body of the dog is thrown upwardly at the rear and downwardly at the front and the head is thrown up, a sound may be emitted from the toy simulating a bark. This sound, in this instance, is produced by a reed 20 affected by a bellows 21 enclosed in the head and having an arm 22 extending from the movable or pivoted side of the bellows to one side of the pivot 16. This arm operates between two fixed abutments 23 and 24 on the body on the swinging of the head, engaging the abutment 23 to expand the bellows with the lowering of the head and the abutment 24 to expel the air with the raising of the head.

Assuming the toy is in the position shown in Fig. 1 and the toy is moved forwardly as by pulling through a string secured to the front shaft 2. The rear legs or supports through the cranked portions on the shaft 4 will swing rearwardly and upwardly. This carries the rear end of the body upwardly to the position shown in Fig. 2, the body swinging on the pivot 14 at the upper end of the swinging arm 13. This carries the forward portion of the body downwardly and as the lower ends of the legs are mounted on a fixed pivot on the traction means, the legs appear to be thrown forwardly as the rear end of the body rises. With the depression of the forward portion of the body, the head rises through pivot 19 being moved upwardly mov-

ing the link 17 upwardly and the pivot 18 upwardly, as the pivots 19 and 18 are situated in front of the pivots 8 and 16. On the upward movement of the head the arm 22 on the bellows engages the abutment 24 and a sound simulating a bark is emitted.

What we claim as our invention and desire to secure by Letters Patent is:

1. A figure toy comprising a body, a head pivoted thereto, a sound emitting device having a bellows mounted on the head, an arm projecting from a movable side of the bellows, two abutments on the body, and means for moving the head on the body to cause the arm to engage one abutment to expand the bellows and the other abutment to collapse the bellows.

2. A figure toy comprising a carriage constituting traction means, a body, a forward support for the body pivoted to the body and to the traction means, means including a rear support pivoted to the traction means at a point on the carriage spaced from the forward support for moving the body to cause it to swing upwardly at its rear end on the forward support and the latter to swing rearwardly and downwardly on the traction means, a head pivoted to the body, and means for moving the head upwardly as the forward support moves rearwardly and downwardly, said means comprising a link pivotally connected to the forward support and to the head.

3. A figure toy comprising a traction means, a body, a forward support pivoted to the body, and to the traction means to swing about an axis fixed with reference to the traction means, a support to which said body is pivoted to swing, arranged in rear of the first named support, and a rear support for the body pivoted to the body and to the traction means, one of the last two named supports having an eccentric connection with wheels of the traction means to impart a movement to the body to swing it rearwardly and downwardly on the first named support.

4. A figure toy comprising a carriage, a body, a swinging support on the carriage to which the body is pivoted at an intermediate point, another support for the body pivoted to the body on one side of the first named pivot, and also a fixed pivot on the carriage, and a third support for the body pivoted to the latter on the opposite side of the first named pivot and having an eccentric pivotal connection with traction wheels of the carriage.

5. A figure toy comprising two axles, one of which has a crank portion, wheels on the axles, connecting means between the axles holding them against lateral movement, a body, a swinging arm pivoted to the axle at a point aligned with the axis of turning of said axle and to the body, a support pivoted to the other axle and to the body on one side of the pivotal connection with the swinging

arm, and a support pivoted to the crank portion of the cranked axle and to the body on the other side of the swinging arm.

6. A figure toy comprising traction means provided with a cranked shaft turned by wheels of the traction means, a body, an intermediate swinging support pivoted to the crank shaft to turn about an axis coincident with the axis of turning of the shaft and also pivoted to the body between the front and the rear end of the body, a support pivoted to the cranked portion of the axle, and also to the body nearer one end of the body than the intermediate swinging support, and a third support pivoted to the body nearer the other end than the intermediate swinging support.

7. A toy comprising a pair of axles, one of which has a cranked portion, wheels on the axles, means connecting the axles to hold them in a definite parallel relation, a body, a swinging arm pivoted to the body at an intermediate point and pivotally connected to the cranked axle in line with the axis of turning of the latter, a support pivoted to the cranked portion of the axle and to the body on one side of the pivotal connection with the swinging arm, and a support pivoted to the other axle in line with the axis of turning of the latter and pivotally connected to the body on the other side of the pivotal connection with the swinging arm.

8. A figure toy comprising a body, a head pivoted thereto, a sound emitting device with movable operating means supported entirely by the pivoted head, means for oscillating the head on the body, actuating means between the body and the sound emitting device whereby oscillation of the head actuates the latter.

9. A figure toy comprising a carriage constituting traction means, a body, a forward support for the body pivoted to the body and to the traction means, and means including a rear support pivoted to the traction means at a point on the carriage spaced rearwardly from the forward support for effecting the downward and rearward movement of the forward portion of the body relatively to the rear end through said forward supports.

10. A figure toy comprising a carriage constituting traction means, a body, a forward support for the body pivoted to the body and to the traction means, means including a rear support pivoted to the traction means at a point on the carriage spaced rearwardly from the forward support for moving the body to cause it to swing upwardly at its rear end relatively to the forward support and the latter to swing rearwardly and downwardly on the traction means.

11. A figure toy comprising a carriage constituting traction means, a body, a forward support for the body pivoted to the body and to the traction means, means including a rear support pivoted to the traction means at a

point on the carriage spaced rearwardly from the forward support for moving the body to cause it to swing upwardly at its rear end relatively to the forward support and the latter to swing rearwardly and downwardly on the traction means, a head pivoted to the body, and means for moving the head upwardly as the forward support moves rearwardly and downwardly.

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