Sept. 16, 1924. 1,508,536

G. F. SCHENFIELD

FIGURE TOY

Filed April 5, 1922

Fig. 1.

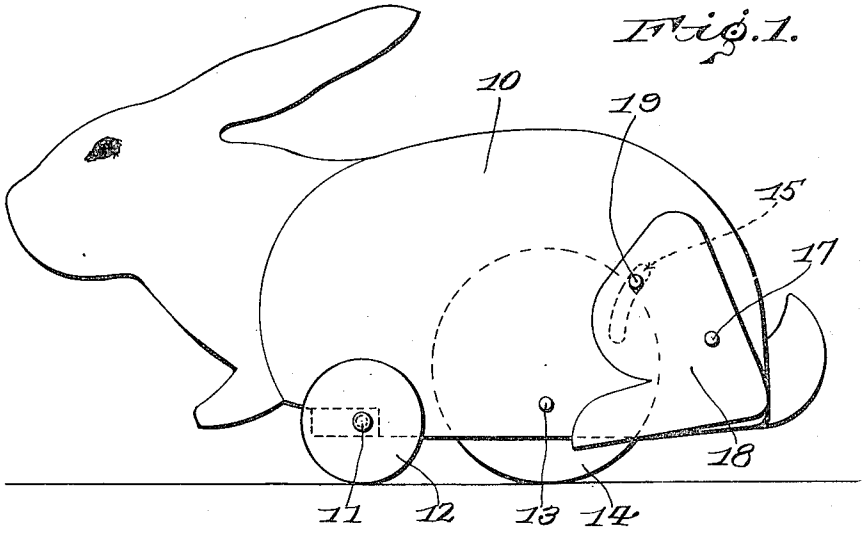
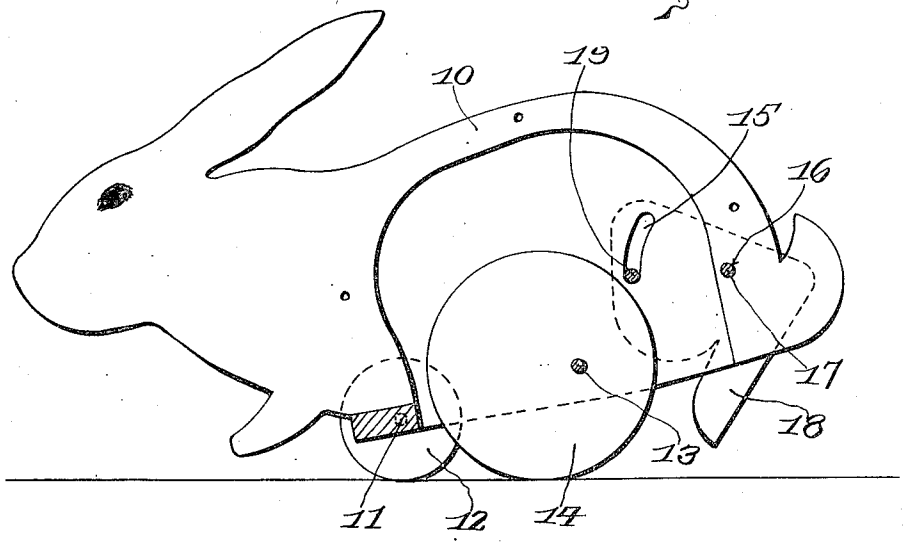


Fig. 2.



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UNITED STATES PATENT OFFICE.

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FIGURE TOY.

Application filed April 5, 1922. Serial No. 549,848.

To all whom it may concern:

Be it known that I, GEORGE F. SCHENFIELD, a citizen of United States, residing at San Francisco, in the county of San Francisco, State of California, have invented certain new and useful Improvements in Figure Toys; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to new and useful improvements in figure toys, and particularly to toys constructed to simulate the natural movements of animals when the toys are drawn across a surface.

Another object is to provide a device of this character, which in the present illustration showing one embodiment of the invention, the body of the animal is made to move and the hind legs to move synchronously therewith to simulate the jumping of the animal.

Another object is to provide a toy of this character wherein means are provided for producing a rocking motion of the body of the animal and at the same time pivotal movement of the hind legs to simulate jumping, the hind legs however, having nothing whatever to do with the movements of the body.

Other objects and advantages will be apparent from the following description when taken in connection with the accompanying drawings.

In the drawings:

Figure 1 is a side elevation of a figure toy made in accordance with the invention, the figure of a rabbit being shown.

Figure 2 is a vertical longitudinal central sectional view through the toy showing the mounting of the wheel and its engagement with the hind legs.

Referring particularly to the accompanying drawing 10 represents the body of a rabbit, to the front portion of which is secured the transverse axle 11, having on its ends the ground or floor engaging wheels 12.

Disposed transversely through the lower portion of the body, rearwardly of the axle is a second axle or shaft 13, and mounted eccentrically on this axle and movable into and out of the body is a floor or ground engaging wheel 14. Formed transversely through the body above and rearwardly of the axle 11 is an arcuate slot 15, and formed through the body as the center of the said arc and rearwardly thereof is an opening 16, through which is disposed a pivot pin 17. Mounted on each end of the pin 17 is a block or plate 18, cut into a shape in imitation of the hind leg of a rabbit. Extending through the slot 15 and having its ends secured in the upper forward portions of the legs 18 is a pin 19, whereby the said plates and the pin 19 form a unitary leg member structure.

It will be noted that the wheel 14 is so mounted that, when rotated, the portion farthest from the pivot thereof will pass across the slot 15 and thereby engage with the pin 19, so as to lift or swing the legs 18 upwardly on their pivot 17. After the wheel has crossed the slot, the legs fall by gravity, bringing the pin 19 to the lower end of the slot 15. Thus, as the toy is drawn across the floor, the wheel 14 will rotate causing the rear end of the body to be lifted from the floor while at the same time the wheel engages with the pin 19 to swing the legs 18 upwardly in imitation of the springing or jumping action of the rabbit. This motion is continued as long as the toy is drawn across a surface with the result that the toy appears to be performing a series of jumps.

Attention is called to the fact that while the legs 18 are moved to simulate the action of the hind legs of a rabbit when jumping, the wheel 14 produces all of the motion of the body, the legs, however, having nothing to do with the lifting or pushing action between the floor and the body of the toy.

What is claimed is:

1. A figure toy comprising a body adapted to be drawn across the surface, a leg member movably carried by the body and normally gravitating toward the surface, and a rotatable surface engaging eccentric member mounted in the body and intermittently engaging with the leg member to lift the same away from the surface and simultaneously lower one end of the body toward the surface.

2. A figure toy comprising a body having its front end portion supported on wheels at a constant level, a leg member pivotally supported on the rear of the body and normally gravitating toward the surface, and a surface engaging eccentric member rotatably mounted in the body and intermittently engaging the leg member to lift the

same away from the surface during a part of its rotation and simultaneously lower the rear of the body and to elevate the rear of the body while at the same time releasing the leg member to permit the latter to gravitate toward the surface.

3. A figure toy comprising a body having leg members pivotally mounted on the rear portion of the body, a surface engaging wheel eccentrically mounted approximately centrally within the body, the body having a transverse opening concentric with the pivot of the leg members, and a transverse member extending through the opening and connected with the leg members for engagement by the said wheel during a part of the rotation thereof to rock the leg members in a direction away from the surface.

4. A figure toy comprising a body having a surface engaging rolling fulcrum on its forward end, a surface engaging rolling cam mounted intermediate the ends of the body for elevating and lowering the body with respect to the fulcrum, and a pivoted leg member mounted in the rear end of the body normally gravitating toward the surface, said leg member being intermittently engaged by the cam for movement away from the surface as the body is lowered.

5. A figure toy comprising a body having a surface engaging rolling fulcrum on its front end, a leg member movably mounted in the rear end of the body and normally gravitating toward the surface, and a surface engaging cam mounted in the body intermediate the fulcrum and leg member for elevating and lowering the body on its fulcrum and for engagement with the leg member and movement thereof toward the surface during the period of elevation of the body from the surface.

6. A figure toy comprising a gravitating body having a rolling fulcrum, a rolling cam for elevating the body, and a leg member normally gravitating toward a surface and into the path of the cam for lifting movement by said cam.

7. A figure toy comprising a body having a rolling fulcrum at one end, a rolling cam at the other end, and a normally gravitating leg member carried by said other end and intermittently engaged and lifted by the cam.

In testimony whereof, I affix my signature, in the presence of two witnesses.

GEORGE F. SCHENFIELD.

Witnesses:
B. P. Goffinet,
C. C. Hinshaw.