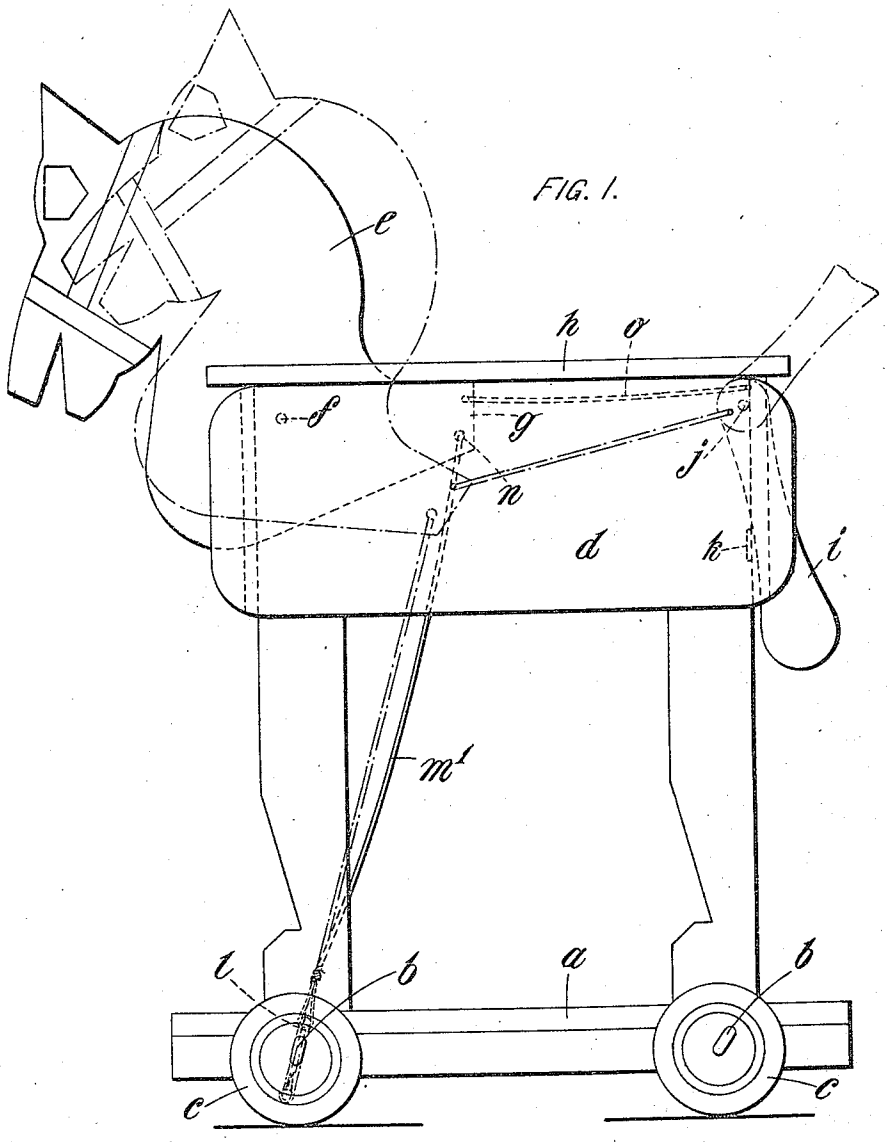
J. BARNARD.

TOY ANIMAL.

APPLICATION FILED DEC. 9, 1919.

1,353,707. Patented Sept. 21, 1920.

FIG. 1.



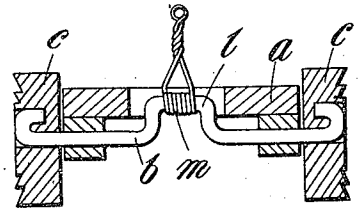


FIG. 2.

Witnesses:
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TOY ANIMAL.

1,353,707. Specification of Letters Patent. Patented Sept. 21, 1920.

Application filed December 9, 1919. Serial No. 343,452.

To all whom it may concern:

Be it known that I, JOSEPH BARNARD, a subject of the King of Great Britain, residing at Hackney, in the county of London, England, have invented new and useful Improvements in Toy Animals, of which the following is a specification.

This invention relates to toy animals, such as horses and the like furnished with wheels for traveling on the ground, and my said invention provides improved means for moving, *e. g.*, the head and tail and in some cases the legs of the animal as it is wheeled along the ground.

For this purpose the axle or one of the axles where there are more than one is fixed to and rotates with the wheels. Said axle is suitably cranked and the crank is fitted with a loop which is attached by a cord, wire, or like flexible connection to the part or parts of the animal which is or are required to be moved as the toy is moved along. The part to be moved is suitably pivoted or weighted so that it tends to fall to a normal position in which it may be supported by a stop, and when the cord is pulled and then released by the rotation of the cranked axle the movable part is alternately raised and lowered.

In the accompanying drawings:—

Figure 1 shows a toy horse having my invention applied thereto.

Fig. 2 is a detail view showing the arrangement of the crank shaft and wheels on which the toy is mounted.

As shown in this drawing *a* is a base board supported on the axles *b* of wheels *c* and carrying a toy horse *d*. The head *e* of this horse is pivoted at *f* so that the weight of the head tends to bring an arm or extension *g* against the back *h* to support the head in the position shown in full lines in Fig. 1. The tail *i* is pivoted at *j* so that it normally falls and rests against a stop *k*.

The ends of the axles *b* are bent to a hook shape as shown in Fig. 2 and are sunk in the wheels so that these parts are fixed and rotate together. One of the axles has a cranked portion *l* formed therein around which a piece of wire *m* is wound spirally. This wire is attached by a wire or cord *m'* to the head *e*, and *n*. The head *e* and tail *i* are also connected by a wire or cord *o*. With this arrangement, when the wheels are rotated an oscillatory movement is given to the head and tail between the positions indicated in full and broken lines in Fig. 1 each of the said parts being moved in one direction by the pull exerted through the flexible connection and being moved in the other direction by its own weight. If the wire or wires *m* and *o* break, the movable parts assume the positions indicated in full lines.

If desired, the improved toy may be made to represent other animals such for example as elephants or rabbits and other suitable parts of the animals such as the trunk, legs or paws may be arranged to be moved in the manner hereinabove described.

What I claim is:—

1. In a toy animal, the combination of wheels for traveling on the ground, a cranked axle on which the said wheels are mounted, a pivotally mounted part of the animal, a flexible cord connecting the cranked part of the axle to the pivoted part of the animal, and a stop limiting the movement of the said part of the animal about its pivotal support when said part is moved by its own weight.

2. In a toy animal, the combination of wheels for traveling on the ground, a cranked axle on which the said wheels are mounted, a pivotally mounted part of the animal, a wire wrapped around the cranked part of the axle, a flexible cord connecting this part to the pivoted part of the animal, and a stop limiting the movement of the said part of the animal about its pivotal support when said part is moved by its own weight.

3. In a toy animal, the combination of wheels for traveling on the ground, a cranked axle on which the said wheels are mounted, hooked shaped parts at the ends of the said axle embedded in the said wheels, a pivotally mounted part of the animal, a flexible cord connecting the cranked part of the axle to the pivoted part of the animal, and a stop limiting the movement of the said part of the animal about its pivotal support when said part is moved by its own weight.

4. In a toy animal, the combination of wheels for traveling on the ground, a

cranked axle on which the said wheels are mounted, a plurality of pivotally mounted parts of the said animal, a flexible cord connecting the cranked part of the axle to one of the said pivoted parts of the animal, flexible connections between the said pivoted parts, and stops for limiting the movements of the said pivoted parts about their respective pivotal supports when said parts are moved by their own weight.

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