Aug. 14, 1945. C. S. OLSON 2,382,091

WHEELED FIGURE TOY

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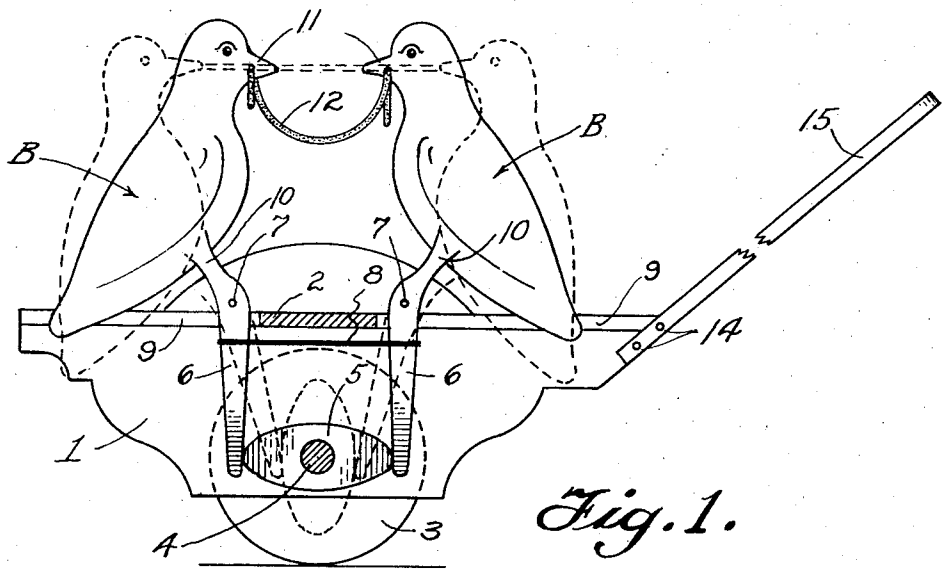


Fig. 1.

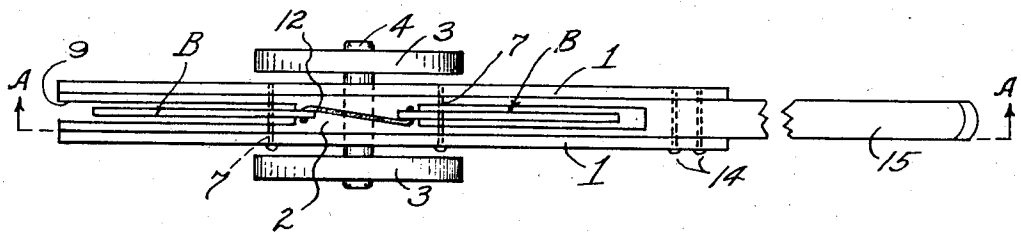


Fig. 2.

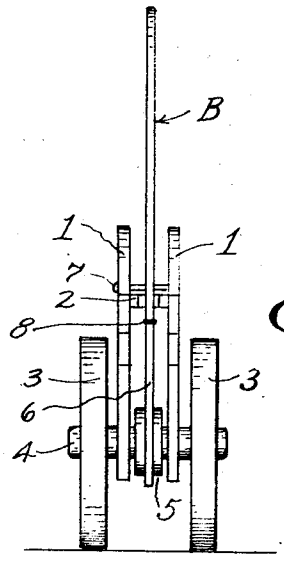


Fig. 3.

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WHEELED FIGURE TOY

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6 Claims. (Cl. 46—107)

This invention relates to a wheeled figure toy and it is a particular object of the invention to provide a device of this kind which is attractive to the eyes of a small child and which, when moving, will cause considerable amusement.

Furthermore, it is an object of the invention to provide a toy comprising a plurality of figures together with means whereby said figures will be caused to have simultaneous movement one with respect to the other when the device is moving.

It is still further an object of the invention to provide a toy of this kind comprising two figures mounted for relative movement together with an element connecting said figures whereby is simulated an action of said figures endeavoring to tug or pull the connecting element one from the other.

The invention consists in the details of construction and in the combination and arrangement of the several parts of my improved toy whereby certain important advantages are attained and the article rendered simpler, less expensive and otherwise more convenient and advantageous for use, as will be hereinafter more fully set forth.

The novel features of my invention will hereinafter be definitely claimed.

In order that my invention may be the better understood, I will now proceed to describe the same with reference to the accompanying drawing, wherein:

Figure 1 is a view partly in vertical section and partly in side elevation of a toy constructed in accordance with an embodiment of the invention, the line of section being substantially on the line A—A of Fig. 2, looking in the direction of the arrows;

Figure 2 is a view in top plan of the toy as herein embodied; and

Figure 3 is a view in front elevation.

In the embodiment of the invention as illustrated in the accompanying drawing, 1 denotes side plates of predetermined design and which are substantially in duplicate and arranged side by side in predetermined spaced relation.

The upper portions of the side plates 1 have interposed therebetween and adhesively or otherwise securely fastened thereto, a spacer strip 2. This strip 2 is substantially of a length coextensive with the lengths of the side plates 1 at the upper portions thereof.

Outwardly of but in close proximity to the side plates 1 are the ground engaging wheels 3 of desired diameter and which are fixed to the extended extremities of the shaft 4 disposed through and rotatably supported by the lower portions of the side plates 1 at substantially the longitudinal centers thereof.

Positioned between the side plates 1 and also fixed to the shaft 4 is an elliptical cam member 5. As is clearly illustrated in Fig. 1 the shaft 4 is midway of this cam member 5. Connecting with the peripheral edge of the cam member 5 are the lower portions of the elongated rocker levers 6 which are supported for required swinging movement by the cross pins 7 interposed between and supported by the side plates 1 at points above but in close proximity to the spacer strip 2. These pins 7 are also equi-distantly spaced fore and aft of the shaft 4. The levers 6 are constantly urged toward and maintained in contact with the cam member 5 by a retractile member 8 of requisite tension and herein disclosed as a rubber band.

The upper portions of the levers 6 are directed through the inner extremities of the alined slots 9 in the opposite end portions of the spacer strip 2. The levers 6 above the pins 7 are continued by the upwardly and outwardly inclined short levers 10 which are herein disclosed as being in simulation of the legs of a bird. The outer portions of these levers 10 are rigid with the body plates B herein disclosed as simulating a bird. It is to be noted that the plates B are so formed and designed as to have their upper extremities in imitation of bird heads with the bills or beaks 11 thereof inwardly disposed or directed one toward the other.

Interposed between and connected to the bills or beaks 11 of the plates B are the extremities of a flexible member 12 in simulation of a worm and the length of this flexible member 12 between its connections with the bills or beaks 11 is such as to be substantially straight and taut when the cam member 5 is in a vertical position and the body plates B caused to swing outwardly under the action of the retractile member 8, as indicated by broken lines in Fig. 1 of the drawing. As the cam member 5 moves from the vertical toward the horizontal, the upper portions of the body plates B will swing inwardly or one towards the other resulting in a drooping of the flexible member 12 and, of course, as the cam member 5 moves from the horizontal to the vertical, the upper portions of the plates B will move or swing away from each other with the resultant appearance or simulation of pull or tug being placed upon the member 12.

Riveted, as at 14, to the side plates 1 at the upper rear portions thereof is the lower end portion of an upwardly and rearwardly directed handle member 15 of required length. It is to be pointed out that the slots 9 in the spacer strip 2 are of such lengths readily to permit the lower or tail portions of the body plates B to move therethrough so that no hindrance or obstruction will be offered to the desired rocking movement of said plates B when the wheels 3 are in rotation.

It is also to be noted that the desired movements of the body plates B will be effected upon either push or pull of the toy.

From the foregoing description it is believed to be obvious that my invention is susceptible of some change and modification without departing from the principles and spirit thereof and for this reason I do not wish to be understood as limiting myself to the precise arrangement and formation of the several parts herein shown in carrying out my invention in practice except as hereinafter claimed.

I claim:

1. A wheeled figure toy comprising a body member, a wheeled supported shaft carried by the body member, a cam member fixed to the shaft, rocker levers carried by the body member and contacting the cam member, a retractile member interposed between and connecting the levers for constantly urging the same into contact with the cam member, outwardly and upwardly inclined levers carried by the upper portions of the first levers, body plates carried by the second levers simultaneously moving toward or away from each other upon rotation of the cam member.

2. A wheeled figure toy comprising a body member, a wheeled supported shaft carried by the body member, a cam member fixed to the shaft, rocker levers carried by the body member and contacting the cam member, a retractile member interposed between and connecting the levers for constantly urging the same into contact with the cam member, outwardly and upwardly inclined levers carried by the upper portions of the first levers, body plates carried by the second levers simultaneously moving toward or away from each other upon rotation of the cam member and a flexible member connecting the upper portions of the body plates, said member being of a length to be substantially taut when the upper portions of the plates are at substantially the limit of their outward swinging movement.

3. A toy as set forth in claim 1 wherein the cam is elliptical in form and the shaft is positioned substantially midway the ends thereof.

4. A toy of the class described comprising spaced side plates, a wheel carrying shaft carried by the lower portions of the side plates substantially midway thereof, a cam member fixed to the shaft and positioned between the side plates, means above the shaft for supporting said levers between the side plates for rocking movement, said levers being of a length to contact the cam member, a retractile element coacting with the levers for constantly urging the levers into contact with the cam member, body plates carried by the upper portions of the levers and swinging toward or away from each other upon rotation of the cam member, and a flexible member connecting the upper portions of the body plates, said flexible member of a length to be substantially taut when the upper portions of the body plates are substantially at the limit of their outward swinging movement.

5. A wheeled figure toy comprising a body member, a wheel supported shaft carried by the body member, a cam member fixed to the shaft, a rocking lever carried by the body member and contacting with the cam member, means for constantly urging the rocking lever into contact with the cam member, and an upstanding plate carried by the upper portion of the lever and extending above the body member.

6. A wheeled figure toy as comprised in claim 5 wherein the body member comprises spaced side plates with the cam member and lever positioned therebetween.

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