Jan. 6, 1942. A. ZADEK ET AL 2,268,683

RATTLE

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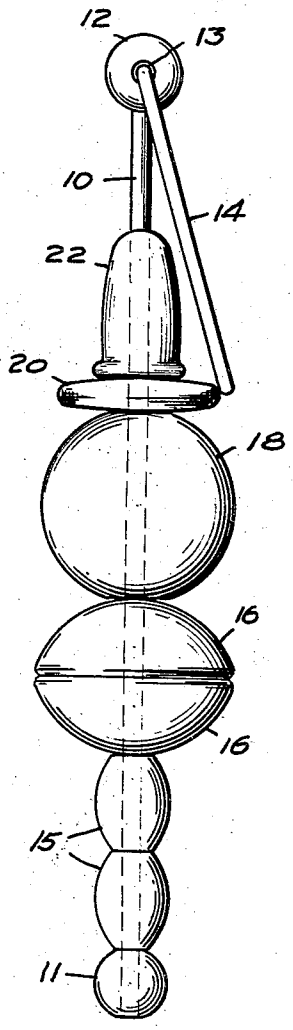


FIG. 1.

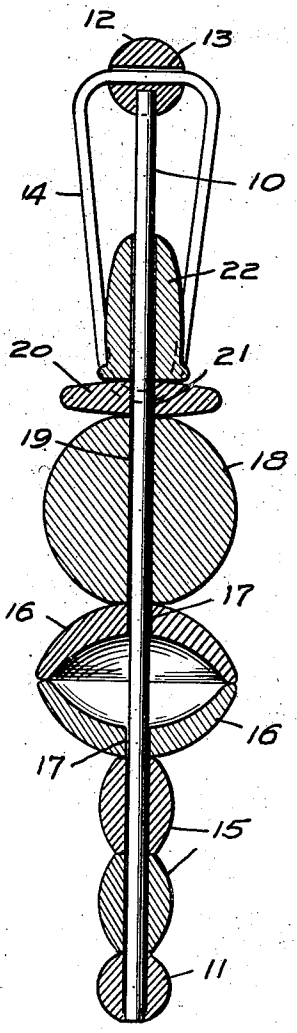


FIG. 2.

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RATTLE

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Application June 22, 1940, Serial No. 341,808

1 Claim. (Cl. 46—193)

This invention relates to toys and has reference particularly to improvements in nursery rattles, in which special consideration has been given to the noise making elements of the rattle as well as to the construction thereof.

The invention has for its object to provide a rattle of this character wherein a plurality of separate elements of different colors are mounted for axial displacement upon a supporting spindle.

A further object of the invention is to provide a rattle of this character in which at least two of the separate elements are hollow cup shaped members which produce a resonant sound when brought together as the rattle is moved rapidly in opposite axial directions.

A still further object of the invention is to afford a rigid supporting spindle or holder having a stop bead at each end and a plurality of intermediate bead-like elements loosely mounted on the spindle, and a resilient loop for one of the stop beads to serve as a handle.

We accomplish the objects of our invention by means of the embodiment thereof hereinafter described, set forth in the appended claim and illustratively exemplified in the accompanying drawing, in which:

Figure 1 is an elevational view of our improved toy rattle; and

Figure 2 is a substantially longitudinal sectional view thereof.

Referring to the drawing, 10 denotes a straight holder or spindle, which is constructed preferably of a length of reed, wood or metal, and which is provided at opposite ends with fixed beads 11 and 12, the former forming a stop for the lower end and the latter, a stop for the upper end of the spindle. The upper bead 12 is provided with a small bore 13 disposed at right angles to the axis of the spindle 10. A loop 14 of cord or extensible elastic material projects through the bore 13 and is used as a grip from which the rattle is suspended and may be manipulated.

The rattle elements, in the present embodiment of the invention, comprise two egg-shaped beads 15 loosely supported on the spindle 10 and arranged over the lower stop bead 11. The next elements comprise two cup-shaped members 16, the concave sides thereof facing each other so that only their rims contact. The spindle 10 projects through openings 17 in the crown portions of the members 16. Above the members 16 is a solid ball-shaped element 18 having a bore 19 to loosely receive the spindle 10. The element 18 is of sufficient weight to drive the upper member 16 against or towards the lower member 16, when the rattle is jerked up and down either by taking direct hold of the spindle or by allowing the resilient loop 14 to cause the rattle to be reciprocated axially thereof. A substantially flat disc-shaped bead 20 is the next uppermost element and it rests upon the ball 18, while the spindle passes loosely through a bore 21 disposed in the center of the disc. The uppermost moving element is a thimble-shaped piece 22 axially bored to loosely receive the spindle. The spindle 10 is substantially longer than the combined length of all the movable elements so as to afford sufficient play thereof along the spindle between the stop beads 11 and 12.

In operation, the loop 14 is intended to be held in the hand of the child while the rattle proper is allowed to hang downwardly. Rapid up and down movement of the hand will cause the loop to stretch and contact under the weight of the rattle and the elements will move along the spindle according to their own relative weights. The ball 18 in its downward movement will force the upper cup 16 to contact the lower cup with considerable force and as their rims are brought together, the air caught within the hollow formed by the concave sides will react to create a resonant sound. The various elements, including the stop beads, are differently and brilliantly colored to attractively set off the toy and develop certain color values in the child's mind.

We claim:

The herein described rattle, comprising a holder depending from an elastic loop and having fixed stop elements at opposite ends, and a plurality of elements loosely mounted for axial movement along said holder between the stop elements, certain of said second elements having concave sides arranged to face each other, and the element directly over the elements having concave sides being of a weight greater than any of the other elements.

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