Feb. 13, 1940. A. ZADEK 2,189,853

FLEXIBLE SUPPORT FOR RATTLES

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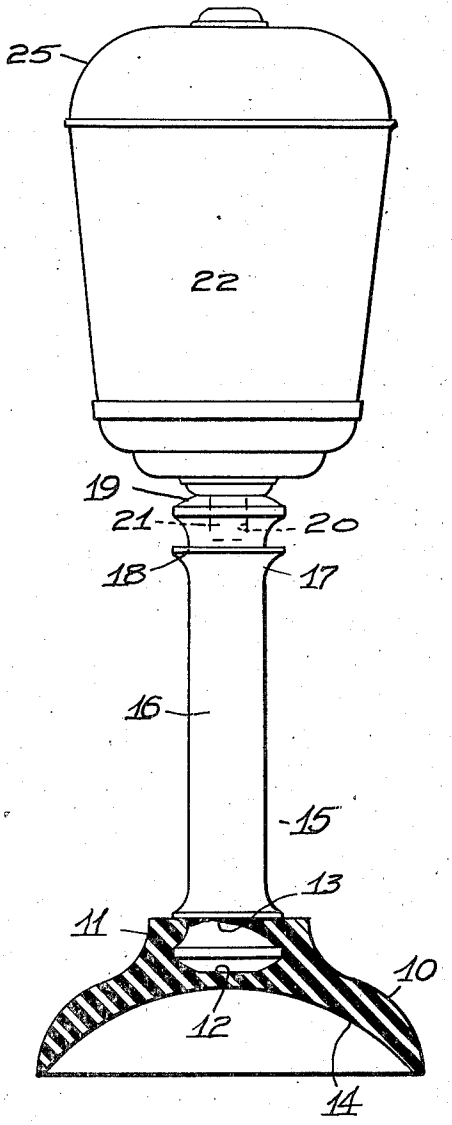

FIG. 1.

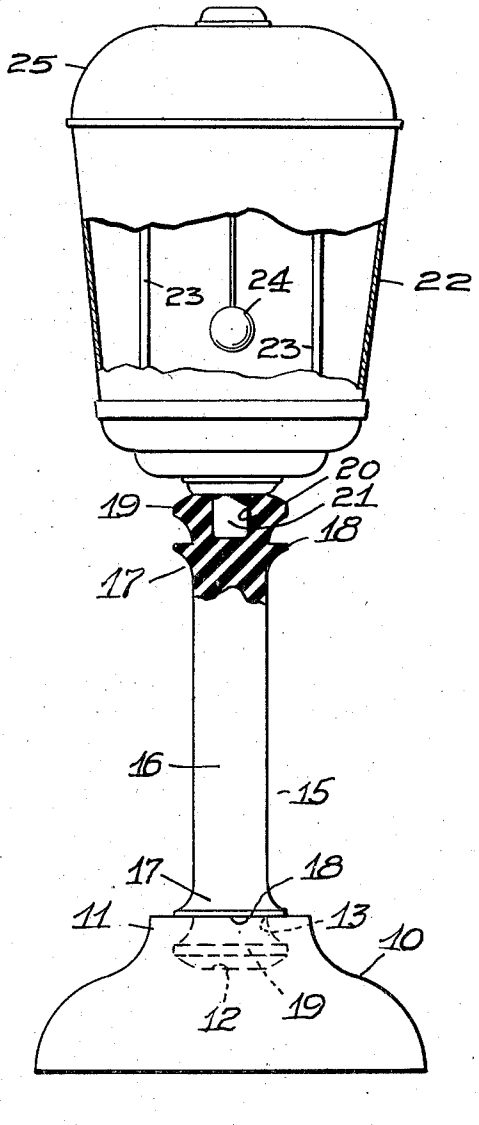

FIG. 2.

Arthur Zadek
INVENTOR
BY
his ATTORNEY.

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FLEXIBLE SUPPORT FOR RATTLES

Arthur Zadek, New York, N. Y.

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1 Claim. (Cl. 46—32)

This invention relates to toys and particularly to improvements in toy rattles and a resilient means of supporting the same.

Toys of this character are used of course to amuse very small children, each of whom seems to have the common impulse to toss his toys onto the floor with the result that they must be picked up and handed to the child or placed upon his tray.

With the foregoing in mind it is the principal object of my invention to provide a rattle or similar toy with a flexible support and suction cup, which when applied to a supporting surface will firmly adhere thereto so as to allow the flexible support to flex and move the rattle back and forth when engaged, and at the same time to prevent the toy from falling or being disengaged and tossed to the floor.

A further object of the invention is to provide each part of the combination of elements making up the rattle with a separable connecting means, whereby various styles and types of rattles and supporting posts may be substituted and interchanged.

I accomplish these and other objects of my invention by means of a construction, one embodiment thereof being hereinafter described, set forth in the appended claim and illustratively exemplified in the accompanying drawing, in which:

Figure 1 is an elevational view of the toy rattle and support therefor showing the suction cup in substantially longitudinal section; and

Figure 2 is a similar view showing portions of the flexible support and rattle in section.

Referring to the drawing, 10 denotes a suction cup of elastic and resilient material, such as rubber. The cup 10 is the shape of a truncated cone, the upper portion comprising a neck part 11 with center cavity 12 and restricted opening 13. The under wall 14 of the cup is arched in the usual manner, so that, as the cup is depressed from above, the air is expelled beneath the arched wall 14 while the margin thereof spreads outwardly to form a sealing contact with the supporting surface.

Supported upon the suction cup 10 is an upright post 15, consisting of elastic and resilient material, such as rubber, and having a cylindrically formed mid portion 16 terminating at opposite ends in enlarged knobs 17, each of which comprises a shoulder or flange 18 short of the end of the knob and a terminal piece 19 tapering outwardly from beneath the flange 18 and then inwardly again. To connect or mount the post 15 in the suction cup 10 the terminal piece 19 is forced into the cavity 12 past the restricted opening 13 until the shoulder or flange 18 seats upon the neck part 11 about the opening 13.

The terminal piece 19 of the knob 17 at the opposite or upper end of the post 15 is provided with a short axial bore 20 to receive a depending stud 21 of a head piece or rattle member 22. The rattle may be of any conventional type, but for purposes of illustration, I have shown a lantern shaped hollow member enclosing upright bars or chimes 23 and a centrally hung depending clapper 24 suspended from the center of the cap 25 of the rattle.

In operation, the suction cup 10 is fixed to a supporting surface, usually a tray, not shown, and the child either grips the post 15 and causes it to sway to bring the chimes of the rattle 22 into play, or he strikes the rattle, which then bobs backward and forward ringing its chimes until the flexible post 15 has righted itself. It will be appreciated that in manufacturing and in assembling this toy, the possible variety of color combinations is very large as well as the different styles of rattles which may be used, it being merely necessary to substitute one rattle for another, the stud 21 of which is simply inserted in the bore 20, the wall thereof being rubber grips and adheres to the stud.

Having described my invention and the manner in which the same is used, what I claim and desire to secure by Letters Patent is:

In a toy of the character described, the combination of a suction cup having an upright neck portion provided with a cavity and restricted opening for said cavity, an upright post of flexible rubber provided with a flanged knob at its end to be inserted in said cavity, the flange of the knob seating against the material about the restricted opening.

ARTHUR ZADEK.