April 13, 1965 M. J. ROSS 3,177,613

KISSING DOLL

Filed Feb. 13, 1963

FIG. 1

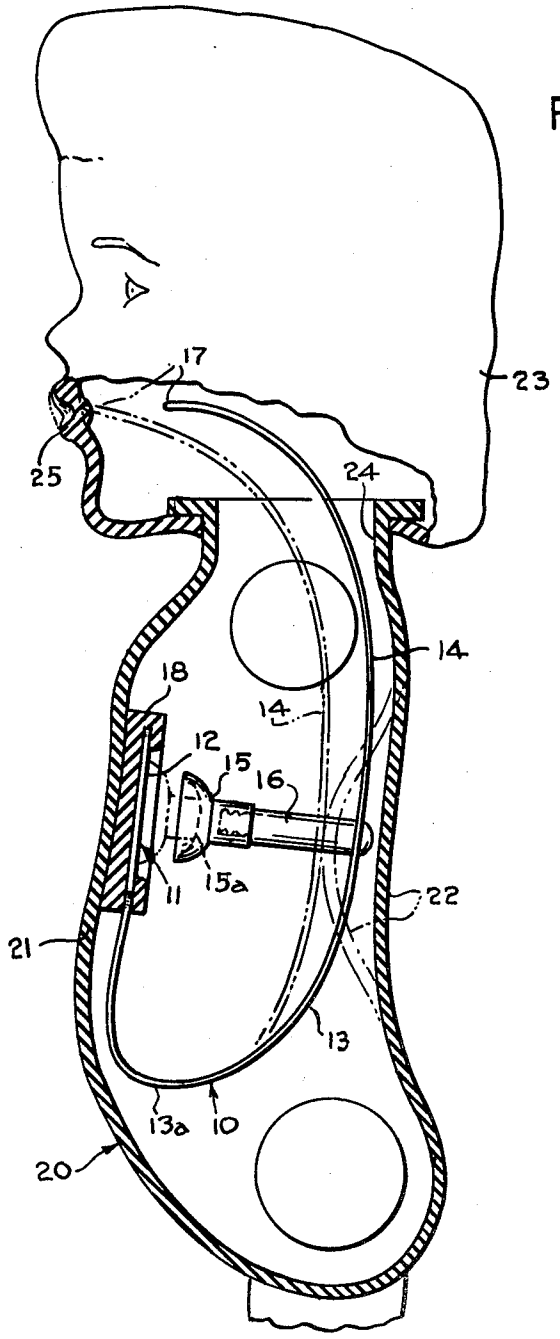
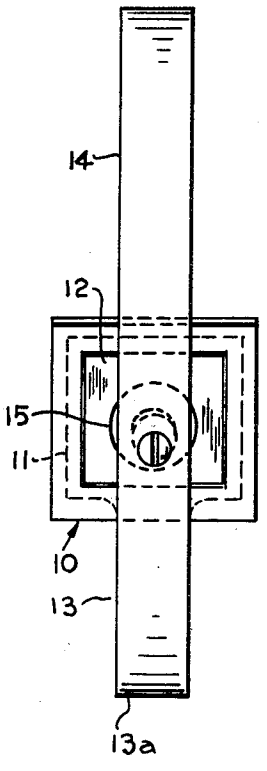


FIG. 2



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KISSING DOLL

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This invention relates to dolls, and in particular relates to improvements in kissing type dolls.

One object of the present invention is to provide an improved doll having a compact, manually operable noise maker therein for simulating a kissing movement of the lip thereof, as well as an accompanying kissing sound.

Another object of the invention is to provide a simple, economical noise-making device adapted to be easily installed in a hollow, rubber-like doll body as a unit, to be operable with a minimum of manual effort for simulating the aforesaid kissing lip movement and kissing sound, and without necessarily requiring structural changes in available dolls provided with elastic or otherwise movable lip means.

These and other objects of the invention will be manifest from the following brief description and the accompanying drawings.

Of the accompanying drawings:

FIGURE 1 is a side elevation, partly broken away and in section, of a hollow rubber-like doll, having a kiss simulating unit of the invention incorporated therein.

FIGURE 2 is a rear elevation of the kiss simulating unit apart from the doll.

Referring to the drawings, the numeral **10** designates a kiss-simulating noise-maker unit, which includes a vertically extending plate or member **11** having a flat, smooth inner face **12**; leaf spring **13** has a reversely bent or rounded portion **13***a* integrally connected to the lower edge of the plate to have an elongated upwardly extended portion **14** in substantially spaced relation to the face **12**; and a rubber or like elastic suction cup **15** affixed to spring portion **14** to have the concave side **15***a* of the cup normally in predeterminately more closely spaced relation to face **12**. The suction cup **15** may be mounted on a serrated end of a rigid spacer stem **16** which is affixed to the upturned spring portion **14** at a point opposite the plate **11**. For purposes to be described later, the leaf spring portion **14** may curve upwardly and forwardly to a terminal end **17**, which is predeterminately positioned substantially above the plate **11** and adjacent the plane of the plate. The plate **11** may have a rubber or rubber-like pad **18** suitably affixed thereto to facilitate firm attachment to the unit **10** in the doll.

Referring particularly to FIGURE 1, the noise-maker unit **10** is shown attached within a hollow rubber or like elastic body **20**, having spaced front and rear walls **21** and **22** and a hollow doll head **23** of similar elastic material rotatably attached thereto in known manner.

Both the body and the head are, as shown, of the type commonly produced by "blown rubber" molding or by "rotational casting" of rubber latex or polyvinyl chloride. Accordingly, the wall thickness of the body is likely to be substantially uniform, including the contoured front wall **21** simulating a stomach. The pad **18**, therefore, may be of elastic material molded to conform to the inner contour of the front wall **21**, and is integrally bonded thereto by suitable adhesive or heat bonding means to have the spring extension **14** closely adjacent the back wall **22** along a substantial extent thereof, as shown in FIGURE 1, and to extend upwardly and forwardly through a neck opening **24** of the doll to have the terminal end **17** normally closely adjacent to a vulcanized or otherwise molded lip portion **25**. This lip portion outwardly simulates a pair of lips adapted to be yieldingly distended by outward yielding movement of the terminal end **17** of the springs, to resemble a kiss-like pucker. Such movement of the terminal end **17** is accomplished by momentarily compressing the front and rear walls **21** and **22** relatively together, yieldingly to depress the spring **13** toward plate **11**, as shown in chain-dotted lines in FIGURE 1, and thereby attach the suction cup **15** to the plate face **12**. The grip of cup **15** on the plate is effective to hold spring portion **14** in said chain-dotted portion for an instant, or until the resiliency of the spring causes the suction attachment of the cup to be broken with a sound simulating a kiss. Simultaneously with release of the suction cup the lip portion **25** is released by the terminal end **17**, thereby to allow the lip portion to be retracted by the inherent tendency thereof to resume the vulcanized shape of the same.

In use of the improved doll shown in FIGURE 1, a child may grip the doll body **20** with the fingers of one or both hands spanning portions of the front and rear walls **21** and **22**, across the section of the doll including the plate **11** and suction cup **15**. Further using the fingers, the rear wall **22** is momentarily relatively compressed toward the front wall **21** to attach the suction cup to plate **11**, as shown in chain-dotted lines. At the same time the free end **17** of spring portion **14** yieldingly urges the elastic lip portion **25** of the head outwardly into a kiss-like pucker. Upon release of manual compressive force on the spring **13** the return thereof to full line position, shown in FIGURE 1, breaks the vacuum seal of the cup **15**, with an audible kiss-like sound, and at the same time retraction of the terminal end **17** of the spring allows the elastic lip portion to return to its original form.

In some instances the plate **11** may be tenaciously bonded directly to the front wall of the doll body, such as by use of "Plybond" adhesive (a product of Goodyear Tire and Rubber Company), and thereby to eliminate the need for use of the elastic pad **18**. It is also contemplated that the plate **11** may have a coating of polyvinyl chloride or like synthetic resin bonded thereto, exclusive of the central portion of the rear face **12**, to facilitate adhesive attachment of the plate to said front wall of the doll body.

Other modifications of the invention may be resorted to without departing from the spirit thereof or the scope of the appended claims.

What is claimed is:

1. A doll comprising: a hollow body including front and rear walls and a hollow head thereon having movable lip means; a member affixed to said front wall to present a flat face inwardly thereof; suction cup means; and a resilient support normally supporting said suction cup means rearwardly spaced from said face; said support being yieldingly depressible to urge the suction-cup means into suction attachment to said face, which is made momentary by tension of the resilient support; said resilient support having a rigid extension terminating adjacent said lip means for corresponding momentary movement of the same said support being a reversely bent spring element attached to said member, and including an upturned portion carrying said suction-cup means, and said rigid extension being an upwardly and forwardly presented end of said upturned portion.

2. A doll as in claim 1, a substantial extent of said upturned portion being closely adjacent said rear wall, whereby the front and rear walls are manually compressible yieldingly to depress said upturned portion relatively toward the member for said momentary attachment of the suction cup means.

3. A doll as in claim 2, said lip means being an elastic portion defining a mouth in said head; and said momentary movement of the lip means being yielding distension

of said elastic portions by said upwardly and forwardly presented end.

4. A doll as in claim 2, said member and said reversely bent spring element being of a single piece of springy metal.

5. An attachment for a hollow body having front and rear walls and a hollow head thereon having movable lip means comprising: a member for attachment to the front wall of the body to present a flat face inwardly thereof; suction cup means; and a resilient support normally supporting said suction cup means rearwardly spaced from said face of the member; said support being yieldingly depressible to urge the suction-cup means into suction attachment to said face, which is made momentary by tension of the resilient support; said resilient support having a rigid extension adapted to be adjacent said lip means in the attached position of said member in the body for accomplishing corresponding momentary movement of the lip means upon said momentary attachment of the suction-cup means, said support being a reversely bent spring element attached to said member, and including an upturned portion carrying said suction-cup means, and said rigid extension being an upwardly and forwardly presented end of said upturned portion.

6. An attachment as set forth in claim 5, said member and said reversely bent spring being a single piece of springy metal.

7. An attachment for a hollow body having front and rear walls and a hollow head thereon having an operable device in the same comprising: a member having a flat face and means providing for attachment of the member to the front wall of the body to present said flat face inwardly thereof; suction cup means; and a continuous, resilient spring element rigidly affixed at the end thereof to the lower portion of said member and reversely bent in the form of a loop normally to have an upwardly extended portion in spaced relation to said flat face of the member, said suction cup means being affixed to said upwardly extended portion and likewise normally to be presented in rearwardly spaced relation to said flat face of the member; said upwardly extended portion of the spring element thereby being yieldingly depressible forwardly to urge the suction-cup means into vacuum-sealed attachment to said flat face, which attachment is made momentary by the inherent tendency of the resilient element to return to the normal looped condition thereof, the return of said spring to normal looped condition thereof being effective to break said vacuum sealed attachment of the suction cup means to produce an audible kiss-like sound.

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