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H. R. BEEBE

2,827,734

CRYING DOLLS

Original Filed June 3, 1953

FIG. 1

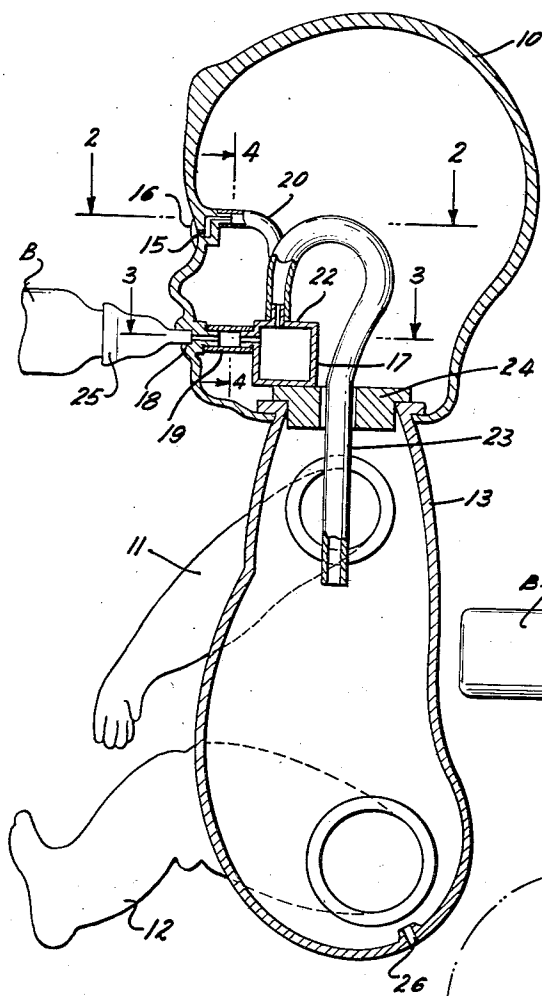


FIG. 2

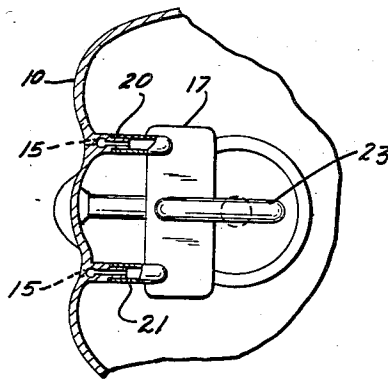


FIG. 3

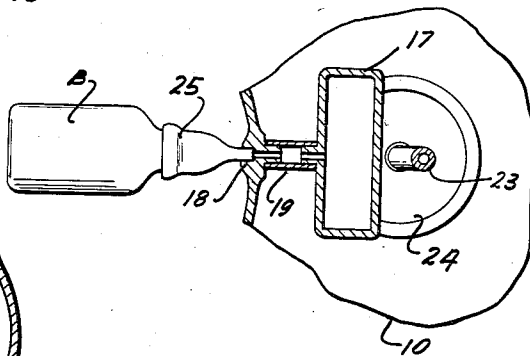


FIG. 5

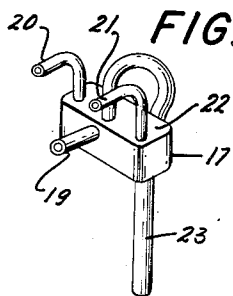
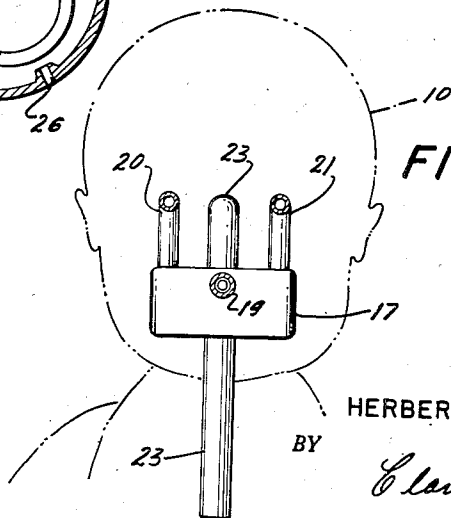


FIG. 4



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2,827,734

CRYING DOLLS

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Continuation of application Serial No. 359,406, June 3, 1953. This application March 14, 1956, Serial No. 571,561

4 Claims. (Cl. 46—135)

This invention relates to a doll which is constructed and arranged to emit water at the eyes to simulate the act of crying.

An object of the invention is to provide a doll having a water receiving container which is connected with the mouth for receiving water therein when the doll is disposed in a reclining position by suction created by manipulation of the body of the doll and which is expelled through orifices adjacent the eyes when air is forced into the container by manipulation of the body of the doll.

Still another object of the invention is to provide tubes leading from the water receiving container through the head of the doll adjacent the eyes for discharging water therethrough and with an overflow tube for discharging water into the body of the doll when the water receiving container is substantially filled and which tubes are connected with the water receiving container adjacent one side thereof by which the container will be substantially filled with water before water will be discharged therefrom through the overflow tube.

With the foregoing and other objects in view, reference is now made to the following specification and accompanying drawings in which the preferred embodiment of the invention is illustrated.

In the drawings:

Fig. 1 is a vertical sectional view of a doll constructed in accordance with the invention.

Fig. 2 is a fragmentary horizontal sectional view taken approximately on line 2—2 of Fig. 1.

Fig. 3 is a similar view taken approximately on line 3—3 of Fig. 1.

Fig. 4 is a sectional view taken approximately on line 4—4 of Fig. 1.

Fig. 5 is a perspective view of the water receiving container together with the conduits connected therewith.

The application is a continuation of applicant's copending application Serial No. 359,406, filed June 3, 1953, and since abandoned.

In the embodiment of the invention illustrated in the drawings, the doll may be of any desired construction so as to provide a contractible and expansible body to provide a suction at the mouth opening for assisting in the taking in of water and for providing a pressure for forcing the water through openings adjacent the eyes. As illustrated, the doll includes a head 10 and arm and leg members 11 and 12 which are suitably connected with the body or torso 13 to permit of articulation of the head and arms and legs while preventing leakage of the liquid from the trunk or torso through the joints connecting the parts.

In order to provide means for discharging liquid through openings 15 adjacent the eyes 16, the doll is provided with a water receiving container 17 which is located within the head 10 and is connected with the mouth opening 18 by a conduit 19 which opens into the container 17 adjacent the top thereof. Two relatively small conduits 20 and 21 connect the container 17 with the head 10 at the openings 15 adjacent the eyes 16 re-

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spectively. The conduits 20 and 21 open into the water receiving container 17 through the top wall 22 thereof adjacent the side nearest to the face of the doll. An overflow discharge conduit 23 extends from the top wall 22 through the neck portion 24 of the doll and opens at its lower end in the body or torso 13.

The body or torso 13 is preferably constructed of natural or artificial rubber composition so that the same is flexible for producing a suction at the mouth opening 18 for drawing water into the water receiving container 17 through the conduit 19. A bottle B is provided having a nipple 25 for insertion in the mouth 18, the nipple being provided with the usual vent to permit the flow of water from the bottle. Upon suction created in the container 17, water will flow from the bottle into the container when the doll is disposed in a reclining position. When sufficient water has been admitted to the container 17 to dispose the upper surface thereof on a level with the opening into the overflow conduit 23, water will flow into the body or torso 13 of the doll when the doll is disposed in a reclining position. When the doll is raised to an elevated position and the body 13 is compressed to force air into the container 17 through the overflow conduit 23, small globules of water will be forced out through the conduits 20 and 21 which will be discharged through the openings 15 adjacent the eyes. When this takes place, the bottle B may be maintained in the opening 18 or a pacifier inserted therein to prevent the water and air being discharged through the mouth opening.

It is to be understood that the conduits 20 and 21 are relatively smaller than the overflow conduit 23 whereby a large volume of air will be forced into the water receiving container 17 through the overflow conduit 23 when the body of the doll is compressed to thereby aerate and atomize the water. The build up of the air in the water receiving container 17 will produce a velocity flow of the air through the conduits 20 and 21. This velocity flow will carry the water with the air from the container into the conduits 20 and 21 and which will be discharged through the openings 15 in the form of globules.

In manipulating the doll to produce a discharge of liquid at the eye openings 15 to simulate the act of crying, the doll is disposed in a reclining position and the bottle B is provided with a quantity of water. The nipple 25 is inserted in the mouth of the doll and the body or torso 13 is then compressed and suddenly released so as to produce a suction in the conduit 19. This will start the flow of the water from the bottle B which will continue to flow so as to fill the container 17 and to overflow through the conduit 23 into the body or torso 13 and the overflow water will be discharged through the opening 26. The doll may then be disposed in an upright position with the nipple 25 of the bottle B maintained in the mouth opening or a pacifier inserted therein in place of the nipple and the body of the doll manipulated to force air through the conduit 23 so as to build up pressure in the container 17. The container being substantially full of water, with the build up of air therein the velocity flow of air through the conduits 20 and 21 will effect a suction of water from the container into the conduits 20 and 21 which will be expelled through the eye openings 15 in the form of globules as hereinbefore described. The water which overflows into the body 13 of the doll will be discharged through the opening 26.

It should be noted that the connections of the conduits 20 and 21 with the container 17 are in lateral alignment with the connection of the overflow conduit 23 with the container. This provides that the openings into the conduits 20 and 21 from the container and the opening into the overflow conduit 23 from the container are on substantially the same horizontal or level when the doll is disposed in a reclining position for receiving water

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through the mouth opening. Thus the water will fill up in the container and will enter the conduits 20 and 21 at the same time that the water enters the overflow conduit 23. Compressing of the doll to force air into the container 17 will first force this excess of water in conduits 20 and 21 out through the openings adjacent to the eyes, followed by the action described above to continue the "crying" operation.

What is claimed is:

1. In a doll, a doll body including a head having eyes and a mouth opening and a resilient torso, a liquid receiving container located in the body, a conduit leading from said mouth opening and opening into the container adjacent the top thereof for supplying the container with liquid from the mouth opening, an overflow conduit opening through and terminating with the top wall of the container adjacent the side thereof disposed nearest the front of the doll with the lower end of the overflow conduit located in the torso for discharging liquid from the container into the torso when the doll is disposed in a reclining position, and two conduits connected with the head and extending from openings adjacent the eyes with the lower ends of the conduits opening through and terminating with the top wall of the container adjacent the side thereof nearest the front of the doll, and said last mentioned conduits having relatively smaller openings therethrough than the overflow opening for discharging a small quantity of liquid through said last mentioned openings when the doll is disposed in an upright position, and the torso of the doll is compressed to produce a velocity flow of air through said last mentioned conduits so as to effect a flow of water from the container when the same is substantially filled and the mouth opening is closed by means inserted therein.

2. In combination, a doll body including a head having eyes and a mouth opening and a resilient torso, a liquid receiving container located in the body, a conduit leading from said mouth opening and opening into the container adjacent the top thereof for supplying the container with liquid from the mouth opening, an overflow conduit opening through and terminating with the top wall of the container adjacent the side thereof disposed nearest the front of the doll with the lower end of the overflow conduit located in the torso for discharging liquid from the container into the torso when the doll is disposed in a reclining position, two conduits connected with the head and extending from openings adjacent the eyes with the lower ends of the conduits opening through and terminating with the top wall of the container adjacent the side thereof nearest the front of the doll, said last mentioned conduits having relatively smaller openings therethrough than the overflow opening for discharging a small quantity of liquid through said last mentioned openings when the doll is disposed in an upright position and the torso of the doll is compressed to produce a velocity flow of air through said last mentioned conduits so as to aerate and atomize the water and effect a flow of water with the air from the container when the same is substantially filled and the mouth opening is closed, and means insertable in the mouth for closing the same.

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3. In a doll, a doll body including a head having eyes and a mouth opening and a resilient torso, a liquid receiving container located in the body, means connecting said container with the body providing a liquid passageway leading from the mouth opening and opening into the container for supplying the container with liquid from the mouth opening, an overflow conduit opening into the container through the top thereof and terminating with the top with the other end of the conduit being open for discharging liquid from the container into the body of the doll when the doll is disposed in a reclining position, said overflow conduit being connected with the top of the container to permit of the substantial filling of the container when the doll is disposed in a reclining position, conduit means extending from openings adjacent the eyes and opening into the container through the top thereof and terminating with the top for discharging liquid through said conduit means and through said openings adjacent the eyes when the torso of the doll is compressed to force air into said container through said overflow conduit to aerate and atomize the water and effect a flow thereof with the air from the container through the conduit means when the container is filled and the conduit from the mouth opening is closed.

4. In a doll, a doll body including a head having eyes and a mouth opening and a resilient torso, a liquid receiving container located in the body, means connecting said container with the body providing a liquid passageway leading from the mouth opening and opening into the container for supplying the container with liquid from the mouth opening, conduit means opening into the container through the top thereof and terminating with the top with the other end of the conduit means being open for discharging liquid from the container into the body of the doll when the doll is disposed in a reclining position, said conduit means being connected with the top of the container to permit of the substantial filling of the container when the doll is disposed in a reclining position, and conduit means extending from openings adjacent the eyes and opening into the container through the top thereof and terminating with the top for discharging liquid through said last mentioned conduit means and through said openings adjacent the eyes when the torso of the doll is compressed to force air into said container through said first mentioned conduit means to aerate and atomize the water and effect a flow thereof with the air from the container through said last mentioned conduit means when the container is filled and the means from the mouth opening is closed.

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