Jan. 23, 1951 L. J. RASHLEIGH ET AL 2,538,845

VOICE DEVICE FOR DRINKING-WETTING DOLLS

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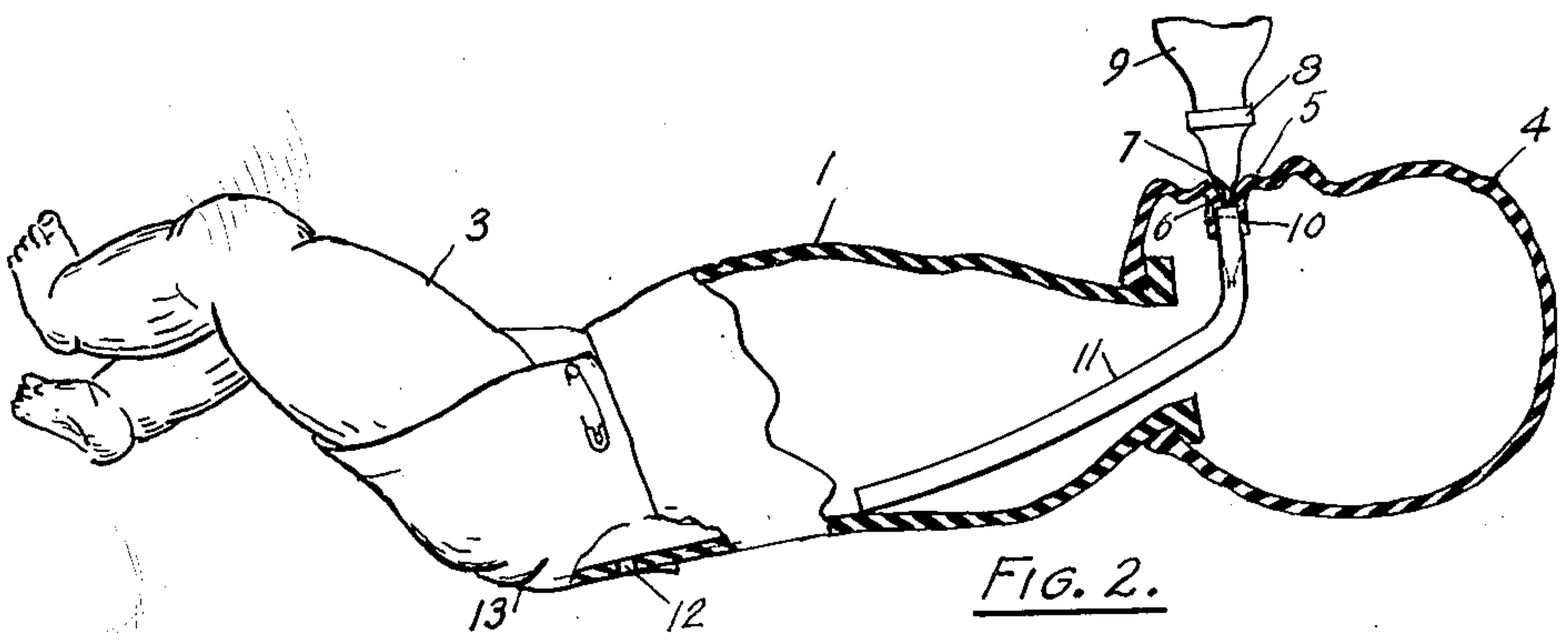

FIG. 2.

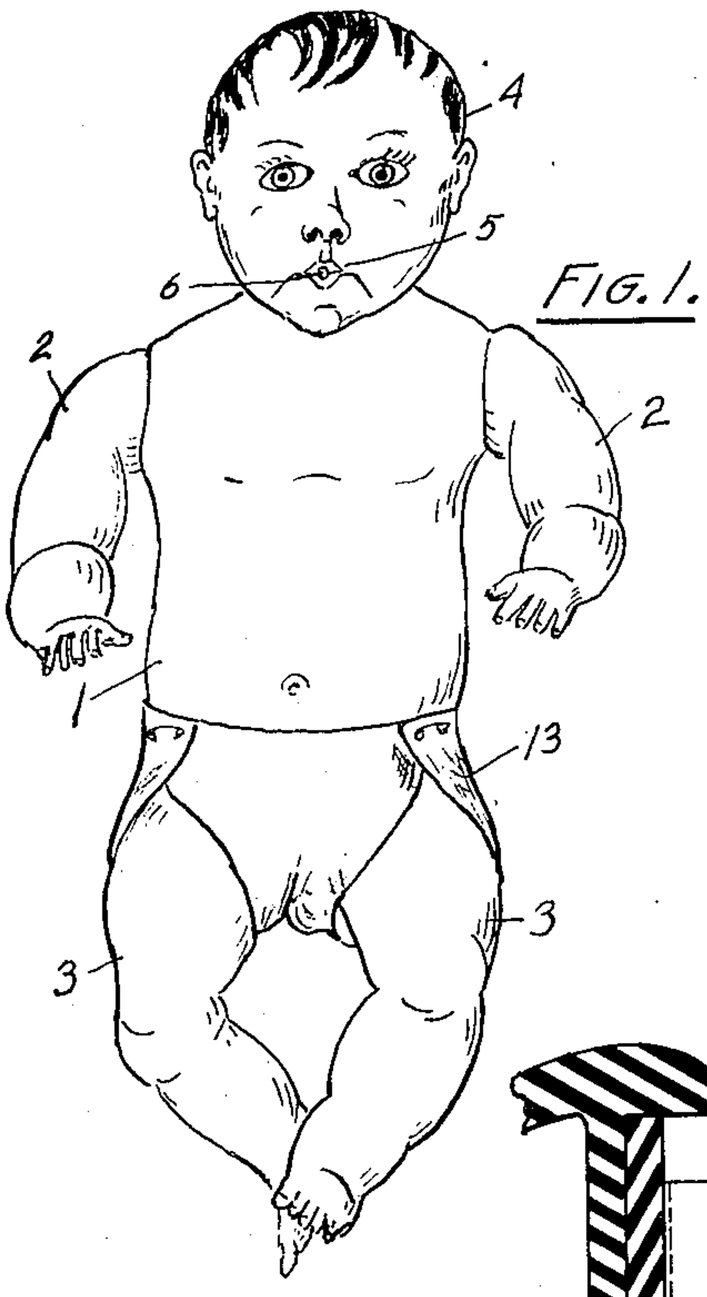

FIG. 1.

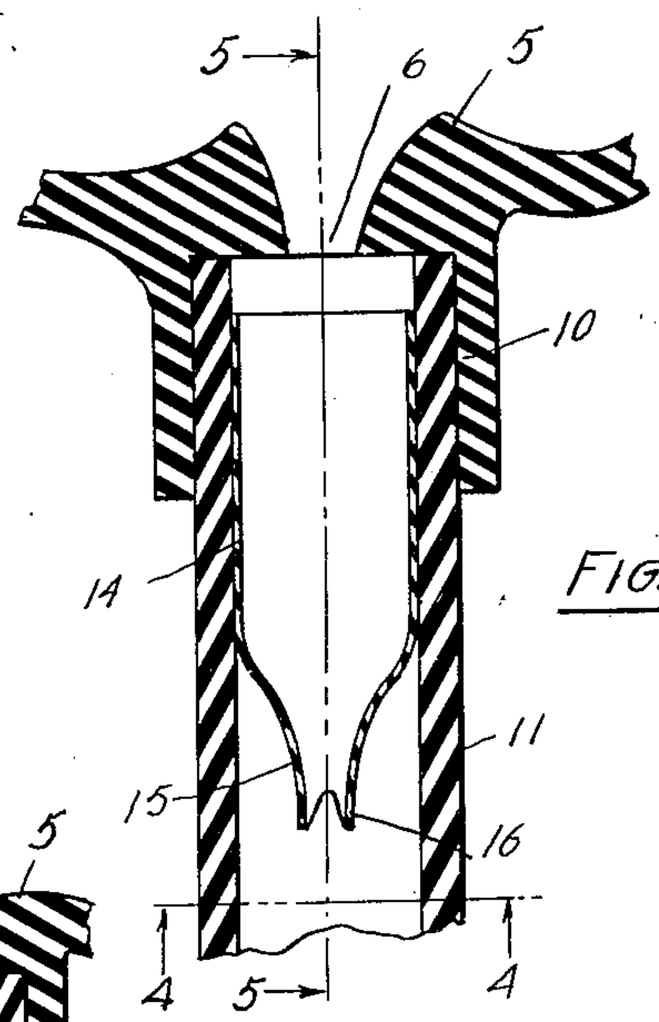

FIG. 3.

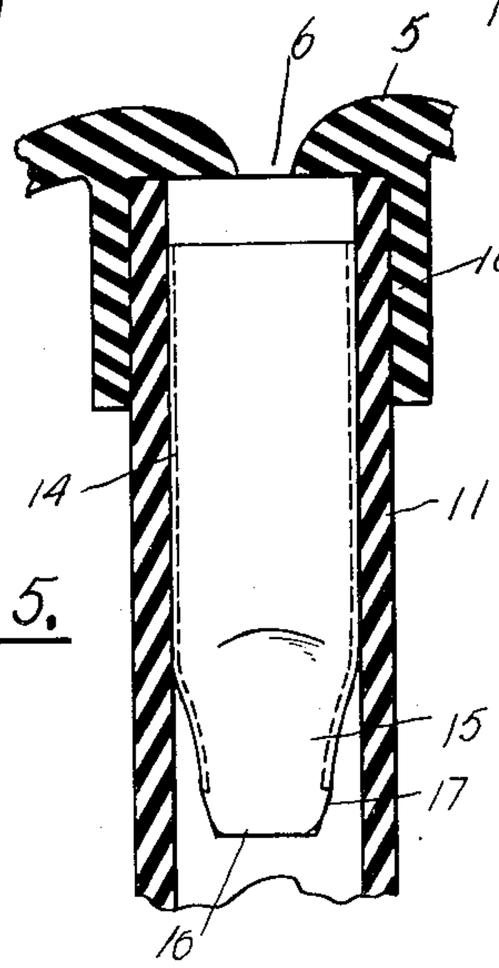

FIG. 5.

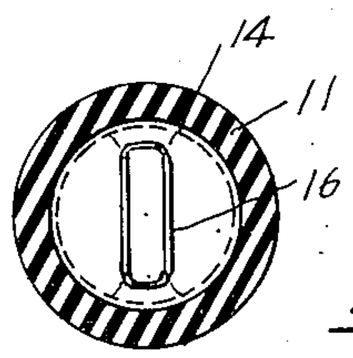

FIG. 4.

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VOICE DEVICE FOR DRINKING-WETTING DOLLS

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1 Claim. (Cl. 46—117)

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Hollow rubber dolls of the drinking-wetting type have been made with a drinking tube leading from the mouth to a suitable point adjacent the back of the doll. Separate voice devices have been provided which are actuated when the doll is squeezed. This invention is intended to provide a voice device housed within the drinking tube. Further objects and advantages appear in the specification and claim.

In the drawing, Fig. 1 is a front view of a drinking-wetting doll; Fig. 2 is a section through the doll showing the drinking tube; Fig. 3 is an enlarged section through the section of the drinking tube housing the voice device; Fig. 4 is a section on line 4—4 of Fig. 3, and Fig. 5 is a section on line 5—5 of Fig. 3.

In the drawing there is shown a drinking-wetting doll having a hollow rubber body 1 on which are swivelled arms 2, legs 3, and a head 4, all of the swivelled parts being hollow rubber and the head at least communicating with the body through its swivel joint. The mouth 5 has an orifice 6 receiving the end 7 of a nipple 8 on a nursing bottle 9. On the inside wall of the mouth around the orifice 6 is a socket 10 receiving a drinking tube 11 which discharges at a suitable point adjacent the back of the doll. Water fed to the doll flows out through an opening 12 in the back, wetting a diaper 13. The doll so far described is, or may be, of common construction.

In the tube 11 is a voice device comprising a thin walled resilient rubber tubing 14 snugly fitting the bore of the drinking tube and having a tapered flattened end 15 extending downstream as regards the flow of water and terminating in lips 16 spaced to serve as vibrating reeds when air is forced upstream into the flattened end 15 producing a tone suitably representing the doll's voice. The corners 17 of the lips are preferably rounded so the central part of the lips 16 is always out of contact with the bore of the drinking tube. Water fed to the doll flows readily down through the flattened end 15 of the voice device.

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If the voice device were reversed in the drinking tube so the flattened end extended upstream instead of downstream, water fed to the doll would tend to collapse the lips 16 and prevent, or at least seriously restrict the flow.

With this construction, the voice device is housed within the drinking tube, out of sight and protected from tampering. Being flexible, the device cannot be injured by squeezing the drinking tube. In use, the thin walled tube 14 of the voice device is in tight engagement with the inner surface of the drinking tube so an effectively rigid support is provided for the flattened end 15 which is free to vibrate within the drinking tube to produce the voice.

The voice device may conveniently be made of a latex of natural or synthetic rubber or may be made of rubber like material, the term rubber being used to designate such materials.

What we claim as new is:

In a hollow rubber doll of the drinking-wetting type having a mouth for feeding water, and an internal flexible drinking tube leading from the mouth into the interior of the doll, a voice device for the doll comprising a length of resilient rubber tubing telescoped within and snugly fitting the bore of the drinking tube and having a flattened end extending downstream as regards the flow of water through the drinking tube and terminating in spaced lips free to vibrate to produce a voice-like noise upon flow of air upstream through the drinking tube as the doll is squeezed.

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REFERENCES CITED

The following references are of record in the file of this patent:

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