May 3, 1927. 1,627,166

B. J. FELDSTEIN

BABY RATTLE

Filed Jan. 15, 1927

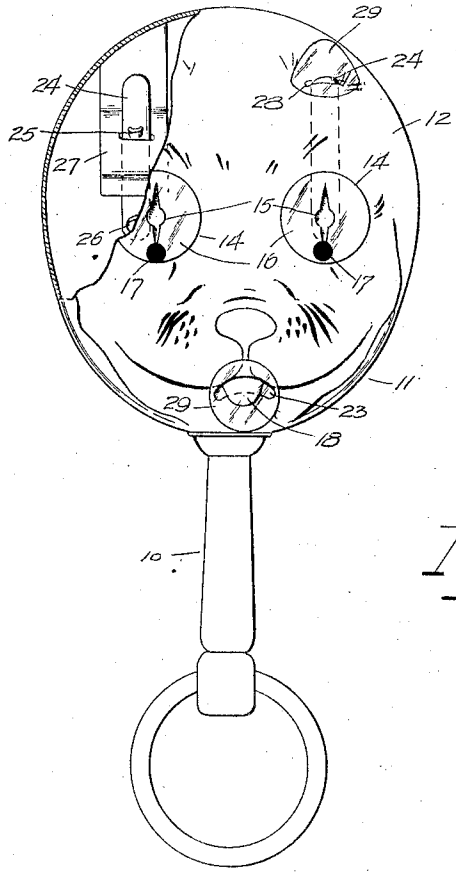


Fig. 1.

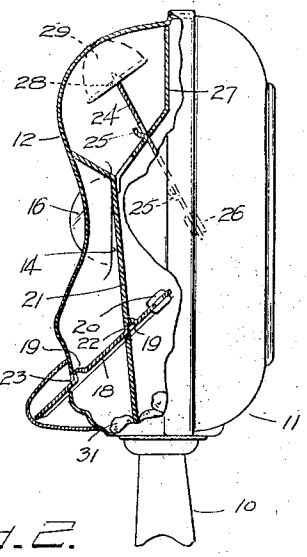


Fig. 2.

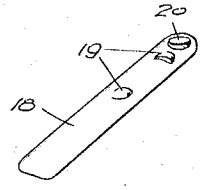


Fig. 3.

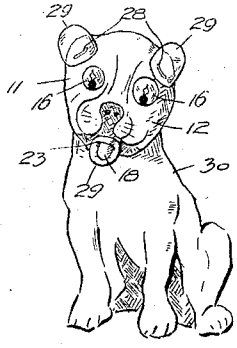


Fig. 4.

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BY

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UNITED STATES PATENT OFFICE.

BEN J. FELDSTEIN, OF NEW YORK, N. Y.

BABY RATTLE.

Application filed January 15, 1927. Serial No. 161,255.

This invention relates to toys and especially to the construction and equipment of a hollow head member for dolls, baby or nursery rattles and other similar articles.

The present invention is a further development of my moving eye rattle for which I obtained a patent February 23, 1926, No. 1,574,341.

The object of my invention is to provide a hollow head member of the character hereinafter described, having for its equipment certain features which include the original moving eyes combined with a movable tongue and ears, the latter features being arranged to project from and recede into the hollow head member by a simple tilting motion of the latter.

A further object of this invention is to afford protecting covering for the projected position of the various moving parts of my invention, such covering preferably constituting a globular member of transparent material through which the antics of the moving parts may be clearly visible.

The invention is illustratively exemplified in the accompanying drawing, in which, Figure 1 is a front elevational view of my invention applied to a rattle; Figure 2 is a substantially longitudinal sectional view of the same; Figure 3 is a perspective view of one of the weighted moving parts; and Figure 4 is an elevational view of my invention as it appears applied to a doll.

Referring to the drawing, 10 denotes a holder to which a hollow head member 11 is attached, the latter comprising briefly, two sections made up of celluloid or other similar material and shaped to constitute the front and back features, respectively, of a human head. The front shell or section is denoted 12 and is provided with two flat disc shaped places representing the eyes of a face, the places being depressed in the centers to form sockets 14 which open into V-shaped depressions 15 radiating from the sockets 14 in line with the longitudinal axis of the toy itself. Arranged over the eye places are transparent hemispherical globes 16, the open edge of each being fixed to the eye places to provide a chamber in which a small shot 17, representing a pupil, is confined. It will be clear that any tilting motion imparted to the head will result in a shifting movement of the shot 17 and since the latter are more or less guided in their movements by the depressions 15, the impression received will be very amusing and entertaining to a small child. The construction described thus far is merely a further embodiment of my prior patent, already referred to in this case.

A further development of my invention comprehends the construction of a tongue and ears which will project and recede into the head when the latter is being tilted forwards and backwards to shift the pupils. The tongue 18 comprises a straight strip of colored material, preferably red celluloid, which is slightly curved in transverse section and which is provided with two spaced raised knobs 19 arranged on the crown of the strip adjacent one end thereof, the latter end being provided with a lead bead 20, as illustrated in Figures 2 and 3. The tongue 18 is carried in the head 11 by a strip of flat thin material 21 which is attached at opposite ends to convenient places on the interior surface of the front section 12, and which is located directly over a longitudinal center line of the face and spaced substantially from the said interior wall of the section 12. The space between the strip 21 and adjacent wall is the same as the distance between the knobs 19. The tongue 18 is arranged in the head 11 by projecting the same through a slot 22 in the strip 21 and an opening 23 in the front section 12, the opening 23 being disposed in the neighborhood of the mouth. In assembled position the tongue 18 is inclined with respect to the longitudinal axis of the head, as illustrated in Figure 2, the portion of the tongue 18 between the knobs 19 being slidably mounted in the slot 22, while the tip portion beyond the innermost knob and to the end of the tongue is movable through the mouth opening 23 to give the appearance of a true tongue. The weighted end of the tongue 18 is located well within the head and beyond the supporting strip 21 so that when the head is tilted backwards to a certain point the weight 20 will drag the whole tongue towards the back of the head and as a consequence the tip projecting through the mouth opening 23 will recede into the head until the innermost knob 19 engages against the front of the strip 21. To project the tongue the head is tilted forwards until the tongue has assumed an angle which enables the weight to push the tongue

forwards until the two knobs engage the strip 21 and surface of the lip wall, respectively.

In a similar manner I mount and operate a pair of ear pieces 24, each thereof comprising a strip of material having spaced knobs 25 adjacent their inner ends which are weighted by lead beads 26. The supports 27 for the ears 24 are angular strips secured to the inner wall of the front section 12 at convenient places and adapted to support the ear pieces so as to enable them to project and recede through openings or slots 28 disposed in the front section 12 at points corresponding to the location of ears. Since the ears operate in the upper part of the head and the tongue in the lower portion thereof, it so happens, according to the embodiment illustratively exemplified in the drawings, that when in normal positions, the ears have receded and the tongue is projected.

In order to prevent a child from grasping either the ears or the tongue when they are projected, I superimpose over the openings 23 and 28, suitably shaped transparent globular members 29, similar to those enclosing the eye ball or shot 17, already described.

As illustrated in Figure 4, a head member embodying the features of my invention may be attached to a body 30 which naturally will be appropriately designed to accompany the head itself.

The hollow head 11, if intended to constitute a rattle will contain a plurality of pebbles 31, which supply the rattling noise when the toy is shaken to project the tongue and ears.

What I claim and desire to secure by Letters Patent is:—

1. The herein described head member for a toy, having in combination a pair of eyes comprising transparent eye chambers and loosely disposed pupils in said chambers, a tongue and ears slidably supported within said head and capable of projecting from and receding into the head through openings in the latter, when the inclination of the head is changed.

2. The herein described head member for a toy, having in combination a tongue and a pair of ears slidably supported within the head and capable of projecting from and receding into said head through openings in the latter, and transparent coverings superimposed over said openings and attached to the head to provide chambers into which the tongue and ears project when the inclination of the head is changed in certain directions.

3. The herein described head member for a toy, having in combination, a movable element comprising a strip of material provided with spaced knobs adjacent its inner end, means for weighting the latter end, means for supporting the element between the said knobs, whereby a change in the inclination of the head will cause the tip or unweighted end of the element to project from or recede through an opening in the head.

4. A head member for a toy, as claimed in claim 3, including an inverted transparent globe superimposed over the said opening to provide a chamber into which the element projects.

5. The herein described head member for a toy, having in combination a movable tongue comprising a straight strip of material which is slightly arched in transverse section and which is provided with longitudinally spaced stops disposed on the crown adjacent one end, and a weight attached to tip of the latter end, said tongue being supported within the head at a downwardly inclined position towards the front and adapted to project from and recede through a curved opening in the head when the latter is inclined in certain directions, the movement of the tongue being limited by engagement of the stops with the head.

6. The herein described head member for a toy, having in combination a movable tongue simulating element comprising a strip of material provided with raised longitudinally spaced stops adjacent the inner end, a weight for the tip of the latter end, and a supporting strip of material for the interior of the head, having a transverse slot arranged above the elevation of a slot in the head representing the mouth thereof, the portion of the tongue between the stops being slidable in the slot in the supporting strip, the latter being further spaced from the mouth opening in the head a distance equal to the space between said stops so as to bring the mid stop of the tongue in contact with the head when the unweighted tip of the tongue is projected through the mouth opening.

In testimony whereof I affix my signature.

BEN J. FELDSTEIN.