Nov. 17, 1925. 1,561,829

I. E. COHN

TOY WITH MOVABLE FEATURES

Original Filed Oct. 6, 1924

Fig. 1.

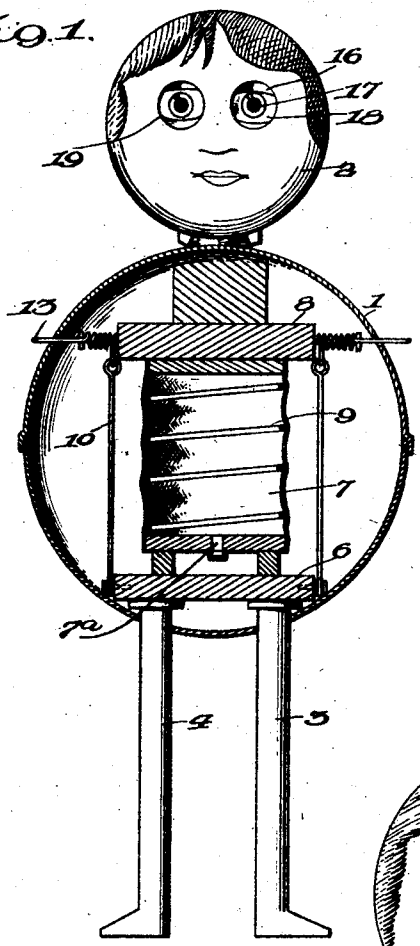


Fig. 2.

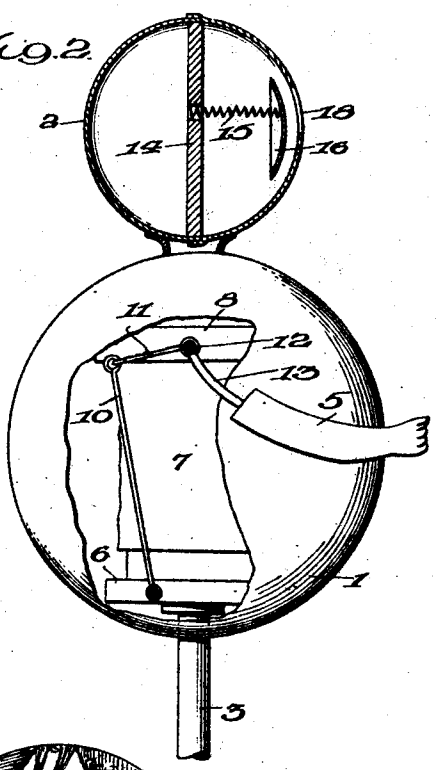


Fig. 3.

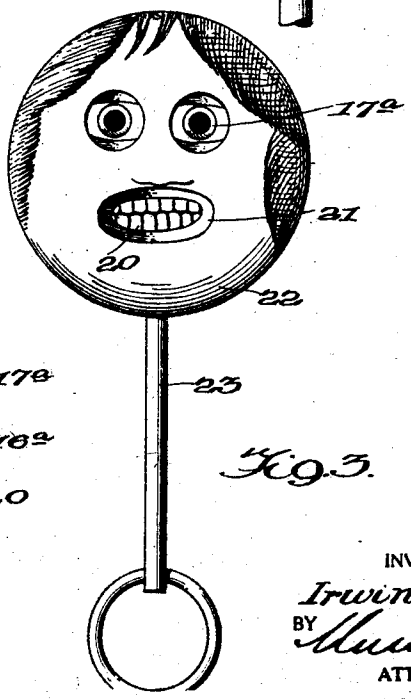
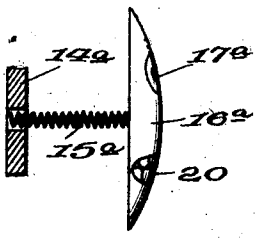


Fig. 4.



WITNESSES

George A. Thym

Harry L. Deisel

INVENTOR

Irwin E. Cohn,

BY Munn & Co.

ATTORNEYS

Patented Nov. 17, 1925. 1,561,829

UNITED STATES PATENT OFFICE.

IRWIN E. COHN, OF NEW YORK, N. Y.

TOY WITH MOVABLE FEATURES.

Original application filed October 6, 1924, Serial No. 742,049. Divided and this application filed April 29, 1925. Serial No. 26,770.

To all whom it may concern:

Be it known that I, IRWIN E. COHN, a citizen of the United States, and a resident of the city of New York, borough of Manhattan, in the county and State of New York, have invented a new and improved Toy with Movable Features, of which the following is a specification.

This invention relates to a toy and more particularly to that type of toy described and claimed in my co-pending application Serial No. 742,049 filed October 6, 1924 of which this application is a division.

An object of the invention is the provision of a toy of the hollow type having a movable support within the hollow head portion with a plurality of features formed on said support and disposed at the rear of feature openings in the head, with the support being resiliently mounted in such a manner that the movable support will cause an oscillation of the support whenever the toy is moved or agitated in any manner.

This invention will be best understood from a consideration of the following detailed description, in view of the accompanying drawings forming a part of the specification; nevertheless it is to be understood that the invention is not confined to the disclosure, being susceptible of such changes and modifications which shall define no material departure from the salient features of the invention as expressed in the appended claims.

In the drawings:

Figure 1 is a section through the preferred form of the invention showing the connection between a sound-producing means within the body and the limbs of the toy with the movable features in a normal inoperative position.

Figure 2 is a section showing the movable support carrying the features adapted to be disposed before openings in the hollow head portion of the toy.

Figure 3 is an elevation of a modified form of the invention.

Figure 4 is a detail side view of the movable support carrying the features as employed in the modified form shown in Figure 3.

In its general aspect the invention concerns the provision of a toy in the form of a doll having a head and body portion and projecting limb portions, which are preferably movable. Within the body portion a sound-producing device is disposed and connected to certain of the limb portions, such as the legs, whereby the movement of the legs will cause the sound-producing device to operate.

Within the head portion of the figure certain features, such as the eyes and teeth, are preferably resiliently mounted so that whenever the body portion is moved directly or incidentally by the operation of the sound-producing device the features will be caused to move to further enhance the attractiveness of the toy for the child.

Referring more particularly to the drawings, the doll has a hollow body portion 1 and a hollow head portion 2. Projecting from the body portion are legs 3 and 4 and a pair of arms, one of which is shown and designated by the numeral 5, Figure 2. The legs are preferably connected to a base plate 6 forming part of a sound-producing device. This sound-producing device essentially includes a bellows 7 which is connected between the base plate 6 and a fixed plate 8. The bellows is held extended by a spring 9 and is provided with an air outlet 7^a, the expulsion of air through which aperture causes a sound which in most cases simulates a voice.

As shown in Figure 2 the movable base plate 6 is provided with a link 10 which connects in turn to an arm 11 of a bell crank lever pivoted at 12 on a fixed plate 8, the other arm 13 of the lever being connected to the arm 5 of the figure. It is understood that a similar linkage may be provided between the plate 6 on the other arm of the figure so that whenever the plate 6 is moved to operate the sound-producing device one or both of the arms 5 will be actuated to attract the child. It is to be understood that the manipulation of the legs 3 and 4 will cause the operation of the sound-producing device, although a single stem extending from the plate 6 in the form of a handle can be used instead of the legs if desired.

In the hollow head portion I preferably provide a partition or supporting plate 14 to which one end of a spring 15 is connected, the other end of the spring being connected to a curved plate or support 16 on

which are produced representations of eyes 17, these eyes being disposed back of apertures such as 18 and 19 in the head.

It is obvious, therefore, that whenever the legs are manipulated to produce a sound the arms 5 are moved and the movement incidental to the operation of the sound-producing device will cause a sufficient movement of the body to produce a vibration of the support 16 in the head for the features, such as the eyes, whereby this additional vibration will enhance the attraction of the toy for the child. The fact that the spring 15 is considerably resilient will cause the eyes to move upon the slightest movement of the toy, whether such movement is directly resultant of the movement of the sound-producing device or merely resultant from the movement of the toy as a whole.

In the form shown in Figures 3 and 4 the plate 14^a is used to support a spring 15^a on the other end of which is mounted a curved feature supporting plate 16^a, the features on this plate being the eyes 17^a and representations of teeth 20. In the figure shown in Figure 3 an opening 21 is provided through which the teeth 20 can be seen. In this form of the invention the toy comprises merely the hollow head portion 22 to which a handle such as 23 is connected. It is understood, of course, that the picturization of the teeth in addition to the eyes may be applied to the previous form of the invention if desired.

It is therefore, obvious that I have provided a simple, efficient and decidedly attractive toy for children, preferably in the form of a doll, or doll's head, provided with movable limbs and features in such manner that the movement of certain of the limbs will cause the movement of the others, and the movement of the body incidental to this action will result in the vibration of certain of the features, giving the combination of movement in conjunction with the production of sound simulating a voice, which makes the toy exceedingly attractive.

What I claim is:

1. A toy which comprises a hollow head portion having feature openings therein, a movable support within the head portion, a plurality of features formed on said support and adapted to be disposed back of said openings, and a spring for resiliently mounting said support, said spring being connected to the back of the support and extending rearwardly therefrom so that the support may be moved in a plurality of different directions across the openings when the toy is agitated.

2. A toy comprising a body, a hollow head having feature openings therein, a rigid support mounted in said head, a movable support in said head and provided with a plurality of features adapted to be disposed back of said openings, and a coil spring connecting the movable support with the rigid support so that the movable support may be moved across the opening arcs having radii passing substantially through the center of an opening upon slight movement or agitation of the body.

3. A toy, a hollow head portion having feature openings therein, a movable support in the head having a plurality of features disposed at the openings, means connecting the back of the support to the head portion, said connecting means being resilient and movable through a plurality of different angular positions from its connection with the head, said resilient connecting means being sensitive to slight agitation of the toy so that the movable support will be agitated for causing the features to be moved readily and transversely of the opening and through arcs having radii passing substantially through the center of the opening.

IRWIN E. COHN.