Nov. 25, 1930. L. MARX 1,782,786

TOY

Filed Feb. 27, 1929

Fig. 1.

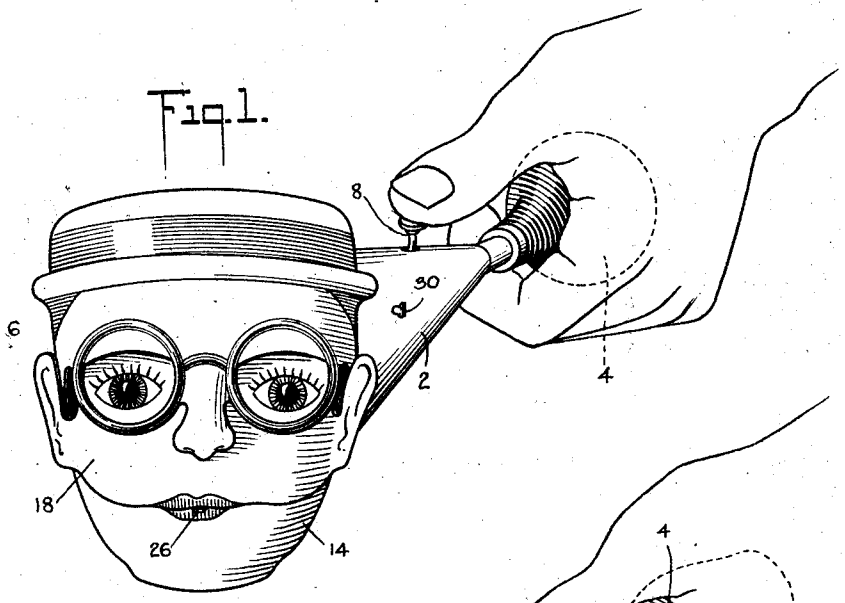
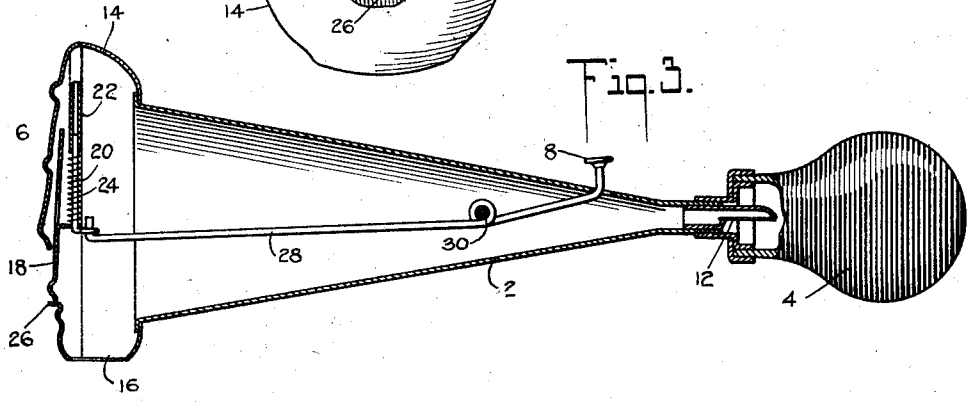


Fig. 2.



Fig. 3.



INVENTOR
Louis Marx

BY
Cravath & James
ATTORNEYS

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UNITED STATES PATENT OFFICE

LOUIS MARX, OF NEW YORK, N. Y.

TOY

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This invention relates to toys, and more particularly to a combined sound producing device and animated figure.

It has heretofore been attempted to combine sound producing devices with animated figures, the operation of the animated figure being obtained in response to the wind blast which actuates the sound producing device. Such arrangements are delicate and not certain in their action, and the primary object of the present invention is to improve such devices.

One object of the present invention resides in the provision of a sound producing device combined with an animated figure, both the sound producing device and the figure being manually operable, but the operating means for each of them being advantageously combined or juxtaposed in such a manner that both may be operated by single movement of the hand.

More specifically, a further object of the present invention is to provide a manually operable horn having a facial figure with movable features affixed to its open end and mechanical means for moving the features in order to appropriately alter the expression of the face at the time the horn is blown.

To the accomplishment of the foregoing and such other objects as will hereinafter appear, my invention consists in the elements and their relation one to the other, as hereinafter are more particularly described and sought to be defined in the claims; reference being had to the accompanying drawings which show the preferred embodiment of my invention, and in which:

Fig. 1 is a perspective view of one form of my invention, embodying a horn, before horn has been blown;

Fig. 2 is a similar view after the horn has been blown; and

Fig. 3 is a longitudinal elevational section of the toy.

Referring to the drawing, the toy comprises a sound producing device, here exemplified by the horn 2; manually operable means arranged to energize the device, in this case represented by the compressible rubber bulb 4; an animated figure combined with the device, here a head having alterable features, indicated generally by the numeral 6; and mechanical means for animating the figure, or changing the expression of the face 6, represented by the button 8 and its associated mechanism.

Considering the specific illustrated embodiment of the toy more in detail the horn 2 is fitted with a sounding reed 12 and a rubber bulb 4 of conventional type. The open end of the horn is fitted with a head having a fixed face portion 14 which includes the hat, the forehead, the eyeglasses, the nose, the lower half of the mouth, and the chin. The bottom of the chin may be left open, as at 16 in Fig. 3, in order to insure ready egress of the sound blast.

The face is completed by a movable face plate 18, which includes the eyes, the ears, and the upper half of the mouth of the face. In Fig. 3 it will be seen that this movable plate 18 is carried by a reciprocable rod 20, which slides within a sleeve 22 fixed to the top of the stationary portion 14 of the head. A spring 24 urges the rod 20 with the movable face plate 18 downwardly against a stop 26, struck out from the stationary portion of the head at the lower lip. The rod 20 may be moved upwardly against the resistance of the spring 24 by a lever 28, fulcrumed on a spindle 30, which is journalled in the sides of the horn 2. The other end of the lever 28 is bent upwardly to project through a hole in the upper surface of the horn, and is provided with a button 8, depression of which raises the movable face plate 18. Instead of a button a flat extension lying along the top of the bulb may equally well be employed.

It will be appreciated that various types of horn may be used to produce correspondingly different sounds, resembling, say, a grunt, a squeal, a laugh, or a shout, and that the facial expressions depicted may be appropriately designed to evidence pain, fright, glee, or mischief, and so on. It is also obvious that the head may be that of an animal as well as that of a human, and that appropriate changes may then be made in the sound

produced, resulting, for example, in a whistling bird, or a roaring lion, and so on.

It will be observed that in my invention the operating means for the sound producing device and for the animated figure are each as simple and rugged as they might be in separated toys, but that they have been so combined together and relatively located that they may readily be operated by a single movement of the hand, this being especially evident by inspection of Figs. 1 and 2.

From the foregoing description it is manifest that the structure set forth, while an exceptionally simple and rugged one for the purpose intended, is, to the outside onlooker, just as fully automatic and lifelike in operation as though the movement of the figure were obtained in some much more complex manner.

It will be apparent that while I have shown and described my invention in the preferred form, many changes and modifications may be made in the structure disclosed without departing from the spirit of the invention, defined in the following claims.

I claim:

1. A toy comprising a horn, a compressible rubber bulb at one end of the horn, a facial figure having movable features affixed to the other end of said horn, mechanical means for actuating the movable features extending within the horn and including an actuating button located externally of but so situated relative to the compressible bulb that the bulb and the button may both be directly operated by one hand with a single movement thereof in order to simultaneously blow the horn and move the features of the face.

2. A toy comprising a conical horn, a compressible rubber bulb at the small end of the horn, a facial figure having movable features affixed to the large end of said horn, mechanical means for actuating the movable features including a lever extending within the horn and having its operating end so situated relative to the compressible bulb that the bulb and the lever may both be directly operated by one hand with a single movement thereof in order to simultaneously blow the horn and move the features of the face.

3. A toy comprising a horn, a manually operable device for blowing said horn, an animated figure affixed to the egress end of said horn and covering the mouth thereof, and mechanical means concealed within the horn for actuating the animated figure, said mechanical means being provided with a manually operable element extending externally of the horn and so situated relative to the horn blowing device that both may be directly operated by one hand with a single movement thereof.

4. The toy set forth in claim 3 in which the animated figure comprises relatively movable facial sections the relative movement of which produces changes of facial expressions in the figure.

Signed at New York in the county of New York and State of New York, this 26th day of February, A. D. 1929.

LOUIS MARX.