Nov. 4, 1952 H. W. WILD 2,616,217

SOUND MAKING DEVICE

Filed Jan. 8, 1949

Fig. 1

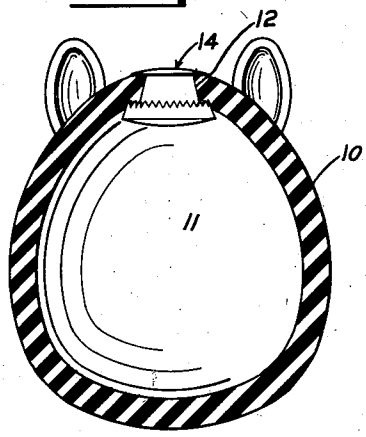


Fig. 2

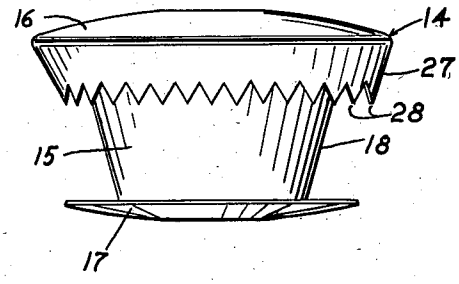
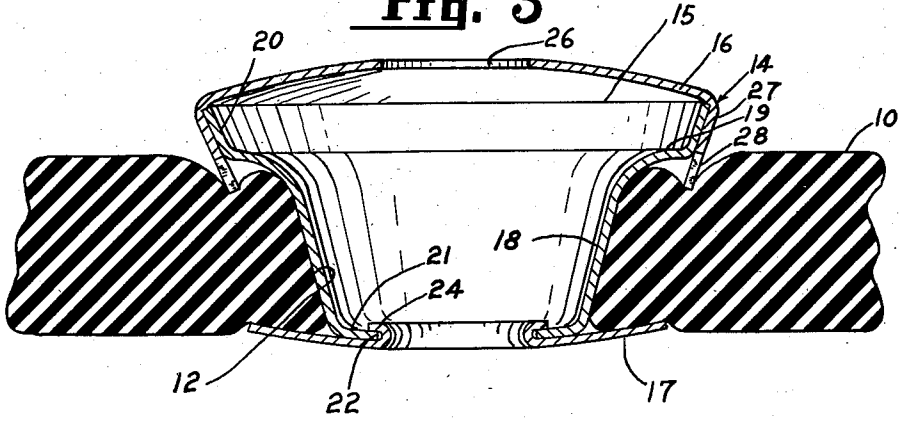


Fig. 3



INVENTOR.
Henry W. Wild.

BY

H. F. Johnston

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SOUND MAKING DEVICE

Henry W. Wild, Waterbury, Conn., assignor to Scoville Manufacturing Company, Waterbury, Conn., a corporation of Connecticut

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2 Claims. (Cl. 46—178)

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This invention relates to whistles or sound making instruments used in connection with rubber dolls, balls, animal figures, etc.

Heretofore, considerable danger has existed in placing an insert whistle or sound making instrument unit into a toy doll or animal figure wherein the instrument was merely inserted through a hole provided in the toy figure and depending upon opposed flanges or enlargements to hold the whistle in place. Experience has taught that, when such toy figures are in the hands of young children, they have worked this relatively small whistle unit out of the toy figure and occasionally swallowed the whistle with serious consequences.

The principal object of this invention is to provide a whistle or sound making instrument unit that is adapted to be inserted into a hollow animal figure made of rubber or similar material, in which the inside space is inaccessible, and provide means on the whistle instrument so that it cannot be readily pulled out from the animal figure.

Another object of this invention is to improve the conventional form of whistle or sound making instrument that was heretofore used in connection with rubber dolls or animal figures by the provision of a series of outwardly projecting sharp teeth on one of the enlarged portions of the instrument, which teeth are adapted to engage positively or dig into the interior surface of the hollow figure and prevent the whistle from being pulled out from the hole within which it is located in the animal figure and detached therefrom.

The full nature of this invention, along with other objects will be more apparent from the construction of the following description when read in connection with the accompanying drawing, in which

Fig. 1 is a sectional view through a hollow rubber animal figure, showing a whistle insert anchored in the material of said figure.

Fig. 2 is an elevational view of the whistle member, per se, on an enlarged scale, and

Fig. 3 is a vertical sectional view of Fig. 2 on a still larger scale and showing it as applied to a resilient or rubber support.

In Fig. 1 there is shown a conventional toy animal figure 10, that is in the form of a hollow rubber or resilient body having an inaccessible interior 11. In any convenient position in the toy figure, here shown located at the upper end of the body 10, is a relatively small opening 12 within which opening 12 is disposed the whistle or sound making member, generally indicated by the numeral 14. The whistle member 14, as shown in more detail in Figs. 2 and 3, comprises

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a hollow body shell 15, a cap 16, and a button flange 17. The wall 18 of the body shell 15 is of slightly tapered form and merges into an outwardly flared shoulder 19, substantially normal to the axis of the whistle member 14. The shoulder 19 supports a circumferential upwardly and outwardly inclined flange 20, which shoulder and flange jointly forms one of the enlargements of the whistle device. The opposite end of the tapered wall 18 joins into an inwardly directed base 21 having a central opening 22. The button flange 17 rests against the outer face of this base 21 and is formed with an integral eyelet 24 that is bent around the opening 22 to embrace the base 21 and permanently secure the button flange 17 thereto. This button flange 17 can be considered as another enlargement of the device opposed to the enlargement mentioned above. The button flange 17 is adapted to engage against the outer surface of the toy figure 10 when the whistle is assembled in place, as shown in Figs. 1 and 3.

At the opposite end of the body member 15, the cap 16 is provided with a central opening 26 and has a depending skirt or rim 27 that is biased or inclined inwardly to embrace the flange 20 in order to hold the cap 16 in permanent assembled relationship with the body shell 15. It is to be noted from Fig. 3 that the shape of the cap is generally dome-shaped so as to increase the hollow area within the whistle member 14.

In order to provide assurance that the member 14 cannot be pulled out from a toy figure 10, the lower edge of the cap skirt 27 is provided with a series of relatively sharply pointed teeth 28 that are a continuation of the inclined wall of the skirt 27 and extend a substantial distance beyond the flared shoulder 19 and in spaced relation to the body member 15.

In Figs. 2 and 3, it is to be noted that the general size of the upper inclined flange 20 and the surrounding cap 16 is somewhat larger than the diameter of the lower button flange 17. In the assembly of the whistle member 14 into the toy figure 10, the enlarged capped end of the whistle is inserted through the opening 12 provided in the wall of said figure 10 so as to have the larger portion of the whistle disposed within the hollow interior of said figure, leaving the button flange 17 resting against the outside surface of the body material 10, and preferably slightly embedded therein.

The fact that the sharp teeth 28 project rearwardly a substantial distance beyond the shoulder 19 and are spaced radially from the body of the whistle device will cause said teeth to embed

or dig into the material 10 if any attempt is made to withdraw the whistle member out of the toy figure, and lock the whistle in position. Even if the device is slightly loose in the body, or if a tilting action be applied, as by the finger nail under the flange 17, it could be extracted only with considerable difficulty.

While the form of invention herewith described is a preferred embodiment of the same, it is to be understood that the construction may be varied without departing from the spirit of the invention as defined in the following claims.

I claim:

1. A sound producing device for insertion into an opening in a rubber toy figure, said device comprising a hollow shell-like body member having a base end with an opening therein and an opposite outwardly formed shoulder terminating in an upwardly outwardly flared flange, a button flange attached to said base end and extending outwardly beyond said body member, and an apertured cap member having a rim snugly embracing said flared flange, the free edge of said rim extending beyond said shoulder and formed with a series of teeth projecting toward said button flange in spaced relation to said body member and adapted to imbed in the material surrounding the opening in said toy figure.

2. A sound producing device for insertion into an opening in a rubber toy figure, said device comprising a hollow shell-like body member having a base end with an opening therein and

an opposite outwardly formed shoulder, a button flange having a central aperture surrounded by an eyelet integral with said flange, said eyelet being formed about said base end opening for permanently securing said button flange to said base end, said flange extending outwardly beyond said body member, and an apertured cap member having a rim embracing said shoulder for permanently securing said cap to said body member, the free edge of said rim having a series of teeth projecting beyond said flared shoulder toward said button flange in spaced relation to said body member and adapted to imbed in the material surrounding the opening in the toy figure.

HENRY W. WILD.

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