

April 15, 1941.

Y. CHAR

2,238,035

SOUND PRODUCING DEVICE

Filed July 17, 1939

*Fig. 1.*

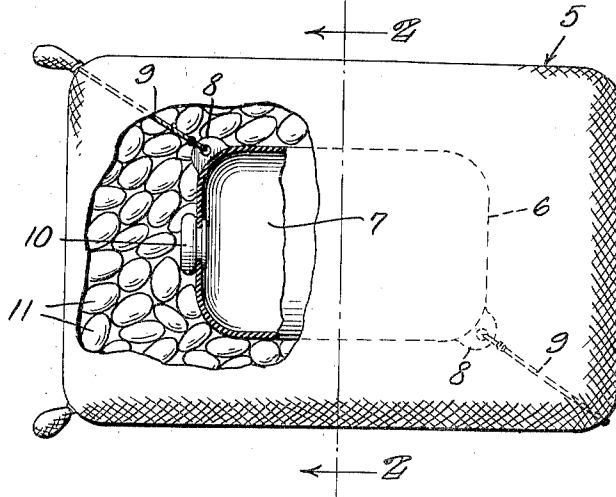


*Fig. 2.*

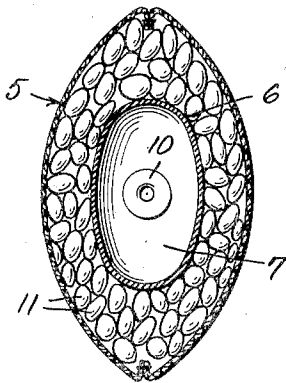
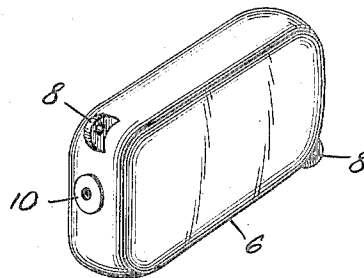


*Fig. 3.*



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WITNESS

## UNITED STATES PATENT OFFICE

2,238,035

## SOUND PRODUCING DEVICE

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Application July 17, 1939, Serial No. 284,975

3 Claims. (Cl. 46—175)

My invention relates to sound producing devices and more particularly to sound producing toys.

One of the principal objects of my invention is to provide a sound producing device so constructed and arranged as to produce sound upon being squeezed or compressed by the hand of an operator.

Another object of my invention is to provide a device of the above described character equipped with a sound producing unit which is concealed within the device to mystify and amuse children upon operation of said unit.

A further object of my invention is to provide a device of the character described so constructed and arranged whereby the exterior appearance thereof simulates an ordinary toy, for instance a bean bag, thereby creating surprise and mystification upon operation of the sound producing unit contained therein.

An important object of my invention is to provide a device of the character described which is simple in construction, durable in use, efficient in operation and economical in manufacture.

Other objects and advantages will be apparent from the following description, appended claims and annexed drawing.

Referring to the drawing wherein like reference characters designate like parts throughout the several views:

Figure 1 is a top plan view of my invention partly in section to illustrate the interior arrangement of the parts.

Figure 2 is a sectional view taken on the line 2—2 of Figure 1.

Figure 3 is a perspective view of the compressible body.

In practicing my invention, as illustrated in the drawing, I provide a flexible casing or bag 5 of a rectangular configuration in plan preferably constructed of woven material, for instance canvas. Arranged centrally within the bag is a compressible or elastic body 6, preferably constructed of rubber, and said body is of substantially the same configuration as the bag 5 and of a hollow construction providing an air chamber 7 therein.

Oppositely disposed corners of the body 6 are provided with ears 8 to which are attached the inwardly extending ends of flexible members, for instance cords 9. The outwardly extending ends of said cords 9 are attached to oppositely disposed corners of the bag 5 as clearly illustrated in Figure 1 of the drawing. The cords 9 serve

or assist to maintain the body 6 centrally disposed within the bag 5.

Mounted in one end of the body 6 is an air operated sound producing unit 10, for instance a whistle, and which is adapted to be operated when air is drawn therethrough and into the chamber 7 as hereinafter set forth. Contained within the casing and surrounding the body 6 are beans or globose elements 11, the latter constituting means for operably connecting the body 6 to the casing 5.

The parts being in the position illustrated in Figures 1 and 2 of the drawing, the bag or casing 5 is grasped within the palm of the hand of the operator and squeezed by the fingers whereupon a portion of the beans are fitfully moved towards the body 6 and compresses the latter. Compressing of the body 6, through the medium of the beans, serves to effect discharge of air from the chamber 7 into the casing 5 through the unit 10. Pressure of the fingers is then released about the bag 5 permitting the body 6 to expand from compressed to normal position. When the body thus conditions itself, air is drawn into the air chamber 7 from without the body and through the unit 10 and air thus passing through the unit 10 serves to effect operation thereof and produce a sound or whistle. When the body has thus been conditioned, the beans are redistributed about the body to effect normal arrangement of the casing for further operation.

From the foregoing it will be apparent that I have provided a simple and effective sound producing device which lends itself to the amusement of adults as well as children and that said device, while being illustrated and described as simulating the appearance of a bean bag, can be constructed in a manner to simulate the appearance of other objects and thereby lend mystification and amusement to observers when said device is operated. It will also be apparent that the body 6 may be provided with a plurality of the units 10 and the latter operated either by discharge from or intake of air into said chamber 7. Also, the casing may have contained therein a plurality of the bodies 6 and that other suitable means may be substituted for the beans.

It is obvious that the invention is not confined to the herein described use therefor as it may be utilized for any purpose to which it is adaptable. It is therefore to be understood that the invention is not limited to the specific construction as illustrated and described, as the same is only illustrative of the principles of operation, which

are capable of extended application in advance forms, and that the invention comprehends all construction within the scope of the appended claims.

What I claim is:

1. A sound producing bean bag, comprising a flexible outer casing, a normally outwardly expanded flexible body within said casing and spaced from the walls thereof, said body provided with an air chamber, an air operated sound producing unit in one wall of the body and operated by the passage of air therethrough into the body, and movable globular elements filling the space between the outer casing and the flexible body.

2. A sound producing bean bag, comprising a flexible outer casing, a normally outwardly expanded flexible body within said casing and spaced a considerable distance from the walls thereof, said body provided with an air chamber, an air operated sound producing unit in one wall

of the body and operated by the passage of air therethrough into the body, and movable globular elements filling the space between the outer casing and the flexible body, and means connecting the casing and body for holding the body centrally within the casing.

3. A sound producing bean bag, comprising a flexible outer casing of an elongated form, a normally outwardly expanded flexible body of approximately the same contour as the casing and of less area and spaced from the walls of the casing, flexible members connected to opposite sides of the body and to the casing, globular elements completely filling the space between the casing and the outer body and holding the casing expanded, and an air operated sound producing unit in one wall of the body and operated by the passage of air therethrough into the body.

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