

Oct. 25, 1927.

1,646,530

J. FERRETTI

MOUTHPIECE

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FIG. 1

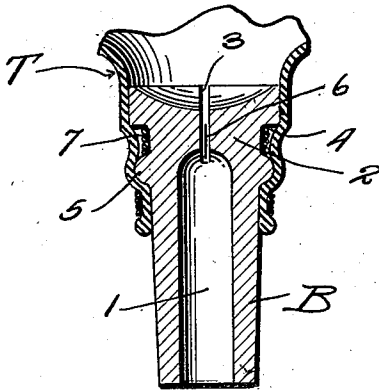


FIG. 2

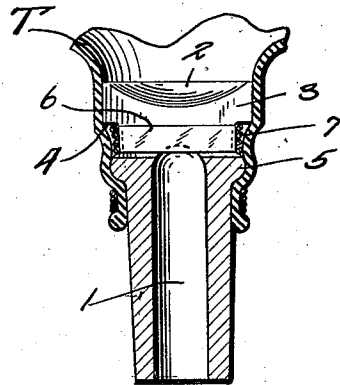


FIG. 3

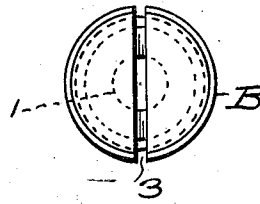
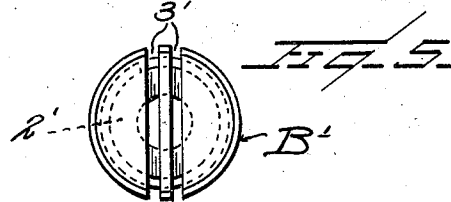
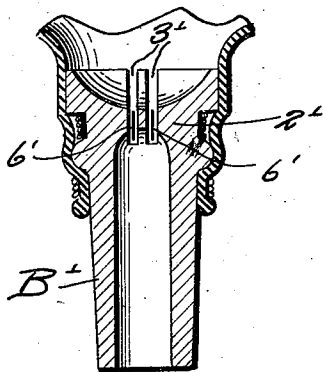


FIG. 4



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UNITED STATES PATENT OFFICE.

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MOUTHPIECE.

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This invention relates to certain improvements in mouth pieces and has relation more particularly to a device of this kind especially designed and adapted for use in connection with toy inflatable balloons or the like, and it is an object of the invention to provide a mouth piece constructed in a manner whereby sound will be produced upon discharge of air through the mouth piece in either direction.

The invention consists in the details of construction and in the combination and arrangement of the several parts of my improved mouth piece whereby certain important advantages are attained and the device rendered simpler, less expensive and otherwise more convenient and advantageous for use, as will be hereinafter more fully set forth.

The novel features of my invention will hereinafter be definitely claimed.

In order that my invention may be the better understood, I will now proceed to describe the same with reference to the accompanying drawing, wherein:—

Figure 1 is a sectional view taken lengthwise through a mouth piece constructed in accordance with an embodiment of my invention, an associated toy balloon being shown in fragment;

Figure 2 is a sectional view taken through the mouth piece on a line substantially at right angles to the line of section of Figure 1;

Figure 3 is a view in top plan of the mouth piece as shown in Figures 1 and 2;

Figure 4 is a view similar to Figure 1 illustrating a mouth piece constructed in accordance with a further embodiment of my invention;

Figure 5 is a view in top plan of the mouth piece illustrated in Figure 4.

As disclosed in Figures 1 to 3 of the accompanying drawing, my improved mouth piece comprises an elongated body member B formed of wood or other desired material and which is provided with an axially disposed bore 1 open at one end of the member B. The opposite end portion 2 of the body member B is closed but is provided radially thereacross with a slot 3 of a depth to slightly intersect the inner end portion of the bore 1. The closed end portion 2 of the body member B is provided therearound with a groove or channel 4 resulting in the provision of the spaced annular outstanding

ribs 5 which serve to facilitate the maintenance of the body member B in applied position with respect to the neck or mouth of a toy balloon T or the like.

Disposed through the lower portion of the slot 3 and partially intersecting the inner end portion of the bore 1 is a vibratory member 6, preferably a rubber band. This member or band 6 is relatively wide and has its flat faces in parallelism with the opposed walls of the slot 3 or, in other words, with its flat faces disposed in a direction lengthwise of the member B. The extremities of the member or band 6 are secured in any desired manner to maintain said member or band 6 in desired position, such securing means 7, however, being preferably within the groove 4 hereinbefore referred to.

With a mouth piece constructed as just described, it will be readily noted that as air passes inwardly or outwardly through the body member B, the resultant vibration of the member or band 6 will result in the creation of a sound of a character to make the use of my improved mouth piece especially attractive for children. In other words, it will be understood that when my improved mouth piece is used in connection with a toy balloon or kindred inflatable body, sound will be produced upon both inflation or deflation of the balloon or the like, such sound being somewhat after the fashion of a whine.

In the embodiment of my invention as illustrated in Figures 4 and 5, construction of the body member B' is substantially the same as that hereinbefore set forth with respect to the body member B so that the closed end portion 2' thereof is provided with a plurality of slots 3' in each of which is arranged a vibratory member or band 6'. Each of the members or bands 6' is positioned in substantially the same manner as hereinbefore recited in connection with the member or band 6.

From the foregoing description it is thought to be obvious that a mouth piece constructed in accordance with my invention is particularly well adapted for use by reason of the convenience and facility with which it may be assembled and operated, and it will also be obvious that my invention is susceptible of some change and modification without departing from the principles and spirit thereof and for this reason I do not wish to be understood as limiting myself

to the precise arrangement and formation of the several parts herein shown in carrying out my invention in practice except as hereinafter claimed.

5 I claim:—

A mouth piece comprising a nipple having a bore leading in from one end thereof and provided at its other end with a trans-

versely disposed slot which enters the inner portion of the bore and a vibratory member 10 extending along the slot and having an edge portion disposed within the bore.

In testimony whereof I hereunto affix my signature.

JOHN FERRETTI.