

Aug. 21, 1923.

1,465,675

M. J. McINTYRE

MUSICAL TOY OR INSTRUMENT

Filed Nov. 26, 1919

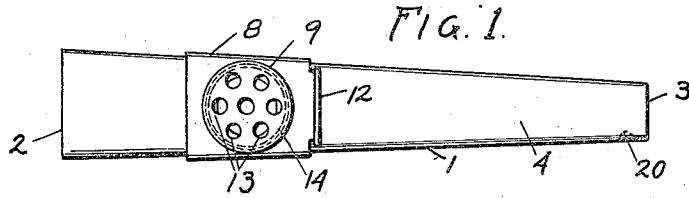


FIG. 2.

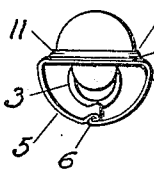


FIG. 3.

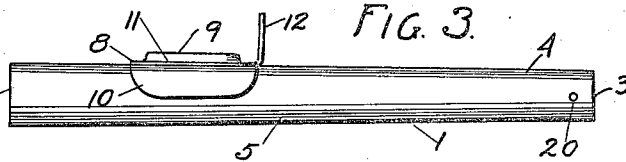


FIG. 4.

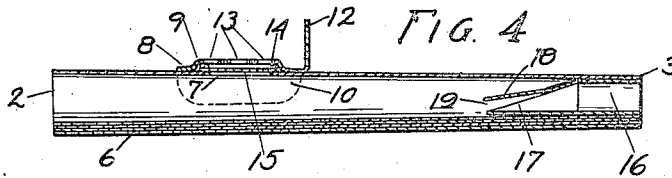


FIG. 5.

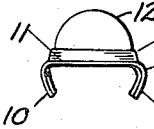


FIG. 6.

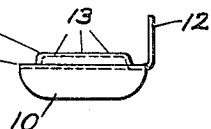


FIG. 7.

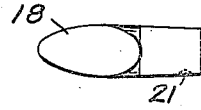
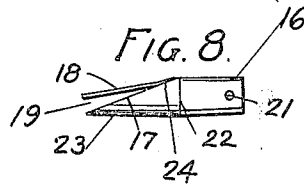


FIG. 8.



WITNESSES.

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MICHAEL J. McINTYRE, OF EDEN, NEW YORK.

MUSICAL TOY OR INSTRUMENT.

Application filed November 26, 1919. Serial No. 340,894.

To all whom it may concern:

Be it known that I, MICHAEL J. McINTYRE, a citizen of the United States, residing in the town of Eden, in the county of Erie and State of New York, have invented new and useful Improvements in Musical Toys or Instruments, of which the following is a specification.

This invention relates to improvements in musical toys or instruments, commonly known as a "kazoo", which comprises, essentially, a hollow instrument body and a diaphragm adapted to be vibrated to produce musical and other sounds by directing sounds or noises into said instrument body. It also belongs to that class of "kazoo" having a passage straight through it with the diaphragm located at the side of this passage and has for its object to provide a simple, inexpensive and improved construction.

Another object is to provide an instrument with a practically straight taper from the mouthpiece to the outlet, being smaller at the outlet which is fitted with an internal horn arrangement, whereby the instrument can be played as a "kazoo", by making the proper sounds, or changed instantly to a horn by simply blowing and without removing the instrument from the mouth.

In the accompanying drawings, Fig. 1 is a plan of my improved musical toy. Fig. 2 is an end view of the large or mouthpiece end. Fig. 3 is a side elevation. Fig. 4 is a longitudinal sectional elevation. Figs. 5 and 6 are end and side elevations of the diaphragm holder. Figs. 7 and 8 are plan and side elevations of the horn piece.

Like characters of reference refer to like parts in the several figures.

1 is the body of the instrument, having a flat top 4, and a semicircular shape 5 from sides to bottom. 4 and 5 are practically straight longitudinally extending from the large end 2, which is the mouthpiece, to the smaller end 3, which is the outlet. The body 1 is formed of one piece of material, preferably tin, and when rolled to the proper shape the ends are bent together as at 6, forming a solid joint without the use of solder or other like material.

7 is a circular hole through the top of the body 1 to communicate with the diaphragm 15, which is held above it by the holder 8. 14 is a ring over which the diaphragm 15 is stretched and to which it is fastened. 9 is a circular shaped pocket formed in the

holder 8 to hold the diaphragm 15. 11 is the flat top of holder 8 and 10, 10 its curved sides. 10, 10 are curved sideways and tapered longitudinally to fit the sides of the body 1, and are of such a size that the holder 8 can be passed longitudinally of the body 1 from the smaller end 3 towards the larger end 2 until it is held firmly in place at the position which will locate the diaphragm 15 directly over the hole 7. 12 is a vertical lip on holder 8 to assist in moving it to position on body 1 and to hold the instrument when played. 13, 13 etc. are holes through the top of pocket 9 to give the instrument the proper tone when the diaphragm 15 is vibrated.

16 is the horn body having the same tapered shape as the inside of the end 3 of instrument body 1 to the line 22. The balance of the horn body 23 is straight, tubular in shape and cut off on a diagonal line 17 making an opening elliptical in shape, the same as reed 18, which is fastened to it at 24. The free end of 18 is bent to give an opening 19. Horn 16 when in place in instrument body 1, as shown in Fig. 4, is fastened in place by a punch mark 20 on the body 1 and a punch mark 21 on 16.

The operation of the instrument is as follows: placing the end 2 in the mouth and humming a tune or making various sounds the diaphragm 15 is vibrated and gives forth the well known tones of a "kazoo" while simply blowing into the instrument, the reed 18 is vibrated to give the sounds of a horn.

Various modifications of the form shown may be employed without departing from the spirit of the invention as set forth in the claims.

I claim:

1. In an instrument of the character described, a tubular body provided with an inlet opening at one end and a side opening, a contracted outlet end with a horn reed therein, said reed inclined toward said inlet opening, and a diaphragm over said side opening.

2. In an instrument of the character described, a tapered tubular body provided with a mouth-piece end, an outlet end and a side opening, said body being largest at the mouthpiece end and smallest at the outlet end, a horn reed inside of outlet end with said reed inclined toward said mouth-piece end and a diaphragm over said side opening.