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W. T. TILLERY
MUSICAL INSTRUMENT
Filed Feb. 12, 1940

2,214,314

Fig. 1.

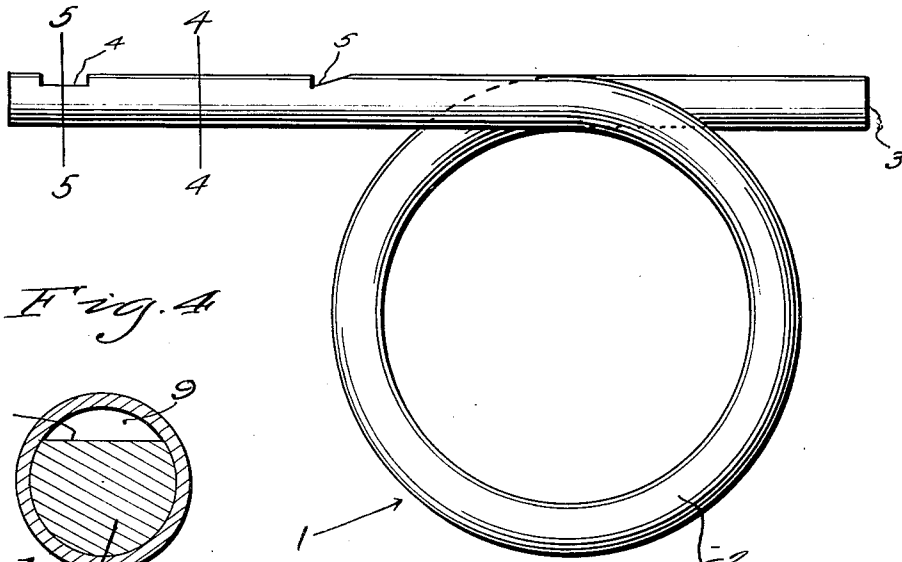


Fig. 4.

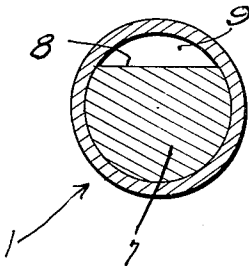


Fig. 2.

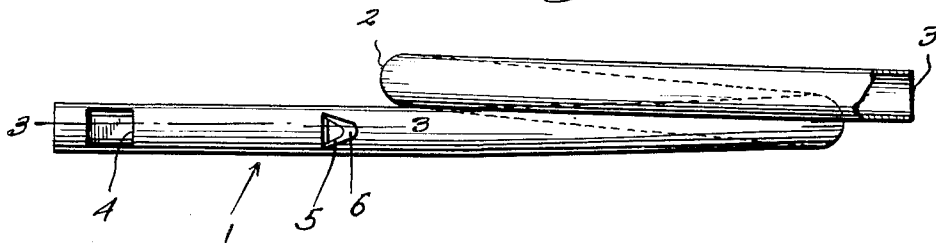
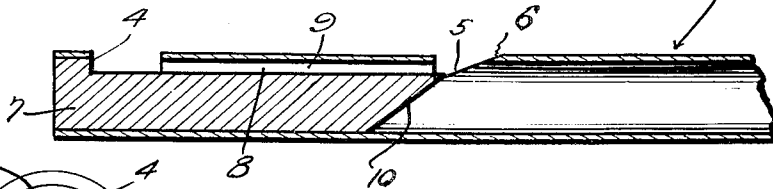


Fig. 3.



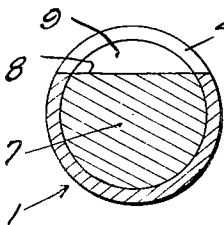
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Fig. 5.



UNITED STATES PATENT OFFICE

2,214,314

MUSICAL INSTRUMENT

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Application February 12, 1940, Serial No. 318,604

1 Claim. (Cl. 84—330)

The present invention relates to new and useful improvements in novelty wind musical instruments and has for its primary object to provide, in a manner as hereinafter set forth, a device of this character which may be successfully played by those having comparatively little or no musical training and without the necessity of prolonged practice.

Another very important object of the invention is to provide a wind musical instrument of the aforementioned character which is capable of producing novel tones within a wide range and which comprises no moving parts.

Other objects of the invention are to provide a musical instrument of the character described which will be comparatively simple in construction, strong, durable, compact and which may be manufactured at low cost.

All of the foregoing and still further objects and advantages of the invention will become apparent from a study of the following specification, taken in connection with the accompanying drawing wherein like characters of reference designate corresponding parts throughout the several views, and wherein—

Figure 1 is a view in side elevation of a novelty instrument constructed in accordance with the present invention.

Figure 2 is a top plan view thereof.

Figure 3 is a view in vertical longitudinal section through the inner end portion of the instrument, taken substantially on the line 3—3 of Figure 2.

Figure 4 is a cross sectional view, taken substantially on the line 4—4 of Figure 1.

Figure 5 is a cross sectional view, taken substantially on the line 5—5 of Figure 1.

Referring now to the drawing in detail, it will be seen that the embodiment of the invention which has been illustrated comprises a metallic tube of suitable length and diameter which is designated generally by the reference numeral 1. The tube 1, it will be observed, is of uniform diameter from end to end and said tube is bent at an intermediate point in a manner to provide a coil or loop 2. The forward end 3 of the tube 1 is open and constitutes a finger controlled tone hole or opening.

Formed in the upper portion of the rear or inner end portion of the tube 1 is a blow hole or opening 4. Forwardly of the blow hole 4, the tube 1 has formed in its upper portion a vent 5. The vent 5 is of the shape shown to advantage in Fig-

ure 3 of the drawing and it will be observed that certain of the walls of said vent are so formed as to provide a bevelled edge 6.

Fixedly mounted in the rear end portion of the tube 1 is an elongated metallic plug 7. From a point adjacent its rear end to its forward end, the upper portion of the plug 7 is flattened, as at 8, in a manner to define, in conjunction with the tube 1, a wind passage 9. It will be observed that the wind passage 9 communicates with the blow hole 4 and the vent 5. The forward end of the plug 7 is bevelled or undercut, as at 10.

It is thought that the manner in which the instrument functions will be readily apparent from a consideration of the foregoing. Briefly, the player places his mouth over the opening or hole 4 in the rear end portion of the tube 1 and blows through the wind passage 9 into said tube. A finger of one hand is used to control the tone hole or opening 3 at the forward end of the tube 1 thus changing the tone produced as desired. The bevelled edge 6 of the vent 5 splits the stream of air leaving the wind passage 9 and produces what may be described as a hissing sound. The construction and arrangement is such that a unique tone is produced by the instrument.

It is believed that the many advantages of a musical instrument constructed in accordance with the present invention will be readily understood and although a preferred embodiment of the device is as illustrated and described, it is to be understood that changes in the details of construction may be resorted to which will fall within the scope of the invention as claimed.

What is claimed is:

A wind musical instrument of the character described comprising a metallic tube of uniform diameter throughout and open at its forward end for providing a finger controlled tone hole, an intermediate portion of said tube including a loop, said tube having a blow hole in its rear end portion and further having a vent therein spaced forwardly from the blow hole, and a elongated plug mounted longitudinally in the rear portion of the tube and closing the rear end thereof, said plug terminating in an undercut forward end portion adjacent the vent, said plug further including a substantially flat upper portion extending from a point adjacent its rear end to its forward end and defining, in conjunction with the tube, a wind passage from the blow hole to the vent.

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