

[54] **BRASS MUSICAL INSTRUMENT PRACTICE DEVICE**

1,467,422 9/1923 D'Alfonso..... 84/400  
3,392,619 7/1968 Hill ..... 84/400

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[57] **ABSTRACT**

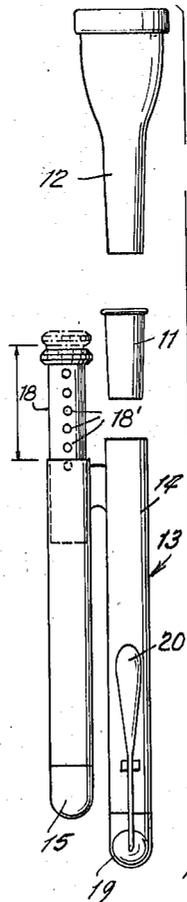
[52] U.S. Cl. .... **84/465**  
[51] Int. Cl. .... **G09b 15/06**  
[58] Field of Search ..... 84/465, 400, 401, 387, 84/388, 330

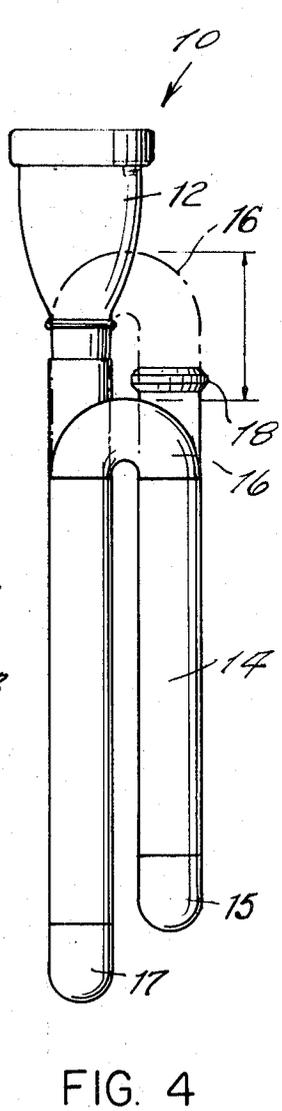
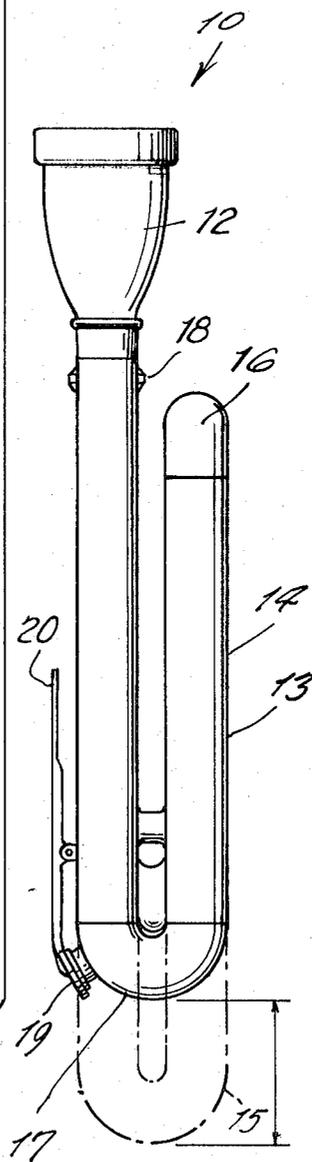
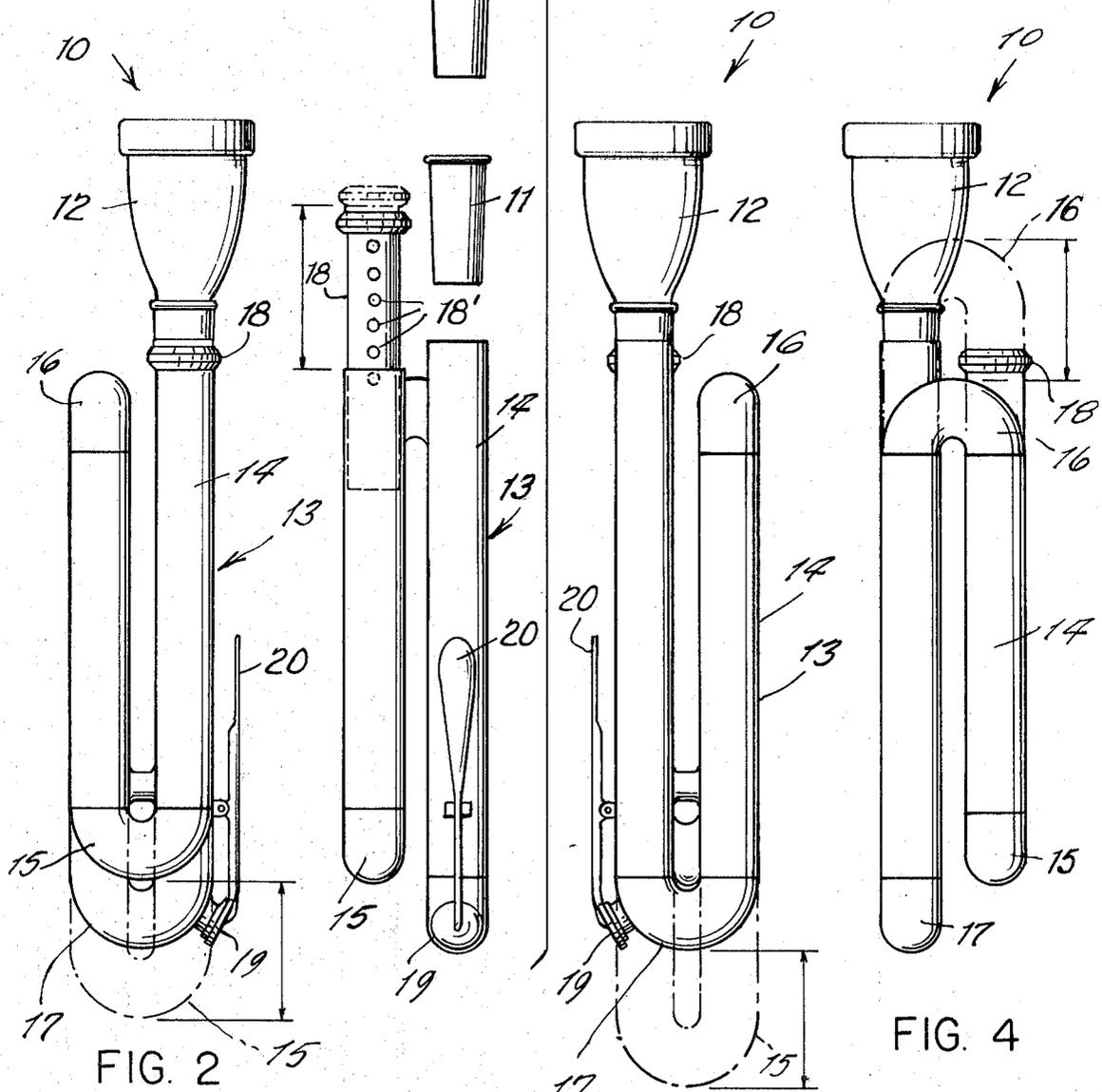
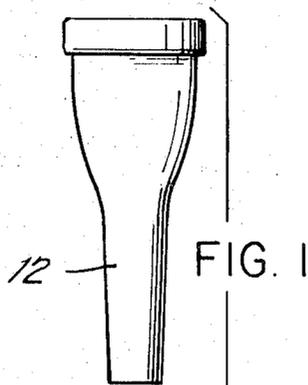
A brass instrument practice device in which a tubing of the device can be pulled outwardly so to extend and increase the tubular length, thereby increasing the interior air column and volume, and whereby extending the tubing, adding additional slides or changing the slides with longer sliding tubes, these tubular adjustments coupled with adjustable resistance pressure valve can simulate any tubular response.

[56] **References Cited**  
**UNITED STATES PATENTS**

1,435,173 11/1922 Pappalardi ..... 84/400

**3 Claims, 4 Drawing Figures**





## BRASS MUSICAL INSTRUMENT PRACTICE DEVICE

This invention relates generally to brass instrument practicing devices, and is an improvement over applicant's granted U.S. Pat. No. 3,659,489.

A principal object of the present invention is to provide a brass practice device that is used to practice buzzing, and which combines the most essential requirements of any brass player, such as buzzing, tonguing and blow through pressure.

Another object of the present invention is to provide a brass practice device wherein the essentials of buzzing, tonguing and blow through pressure are accomplished by the device without the use of the instrument itself.

Still another object of the present invention is to provide a brass practice device wherein tubular adjustments coupled with adjustable resistance pressure valve can simulate just about any tubular response and blow through resistance pressure encountered in most brass instruments, and wherein a brass player can truly acquire a feeling of buzzing similar to that of his own instrument.

Still another object of the present invention is to provide a brass practice device wherein different pitches can be centered a little better and heard a little better, it being easier to achieve the lower or higher ranges of notes with the present invention and its combinations than are possible by a mouth piece itself.

Still another object of the present invention is to provide a brass practice device wherein a brass player getting a feeling of buzzing through his own instrument, rapidly develops through pressure blowing, the breath control, emboucher, tone, tonguing, lip flexibility and range without the use of the musical instrument itself, but which are an essential and integral part of brass instrument playing.

Other objects of the present invention are to provide a brass practice device which is simple in design, inexpensive to manufacture, rugged in construction, easy to use and efficient in operation.

These and other objects will be readily evident upon a study of the following specification and the accompanying drawing, wherein:

FIG. 1 is an exploded front elevation view of the invention;

FIG. 2 is a left side view thereof;

FIG. 3 is a right side view thereof;

FIG. 4 is a rear side view thereof.

Referring now to the drawing in detail, the reference numeral 10 represents a brass practice device according to the present invention wherein the same includes an adapter 11 made with different size central opening so to selectively fit different mouth pieces such as mouth piece 12. Such mouth piece could be that of a tuba, trombone, coronet, trumpet and/or french horn. A main chamber 13 consists of four straight sections of

tubes 14 of various lengths and which are parallel to each other, and certain opposite ends of these straight tubes are interconnected by U-shaped tube sections 15, 16 and 17 so that they together form one long continuous tube. U-shaped tube sections 15 and 16, received in the ends of straight sections 14, adjustable slide so to increase the air column when extended, and decrease the air column when pushed in.

There is an adjustable resistance pressure valve 18 at one end of the continuous tube which has many small openings 18' along the length thereof, and as more of these are exposed, the resistance pressure inside the main chamber section 14 decreases as air is blown into the device. This valve 18 therefore decreases air resistance pressure when extended out and increases resistance pressure when pushed in.

A spit valve 19 located on the U-shaped tube section 17 can be opened to release condensed moisture formed inside the main chamber. The spit valve is able to be opened by simply depressing manually the lever 20. An additional function of the spit valve is to release instantly and completely the predetermined resistance pressure already set by a resistance valve 18.

In summary, thus there is provided a brass practice device in which a resonator chamber is attachable to a brass instrument mouth piece so as to buffer the buzzing sound produced by the brass instrument mouth piece, this chamber having a resistance pressure valve so as to give variable resistance as encountered in the different brass instruments, sliding or extension slides to increase or decrease the air volume within the chamber, and a spit valve to release condensed moisture which forms within the main chamber, and this spit valve is used additionally to release the air pressure already predetermined by the pressure valve instantly.

What I now claim is:

1. A brass musical instrument practice device comprising a length of tubing defining a volume and having a first end and a second end, a brass instrument mouth piece attached at said first end and a tubular valve mounted on said second end, said valve comprising a tube having a row of apertures spaced along the length of the tube, said tubular valve being closed at one end and opened at its opposite end, the opposite end of said valve being slideably mounted on said tubing whereby the apertures of said valve may be opened or closed.

2. A brass musical instrument practice device as defined in claim 1, said length of tubing comprising a plurality of straight sections joined by U-shaped sections of tubing, said U-shaped sections being slideably adjustable so as to vary the volume defined by said length of tubing.

3. A brass musical instrument practice device as defined in claim 2, wherein a spit valve is incorporated on one of said U-shaped sections for releasing condensed moisture within said length of tubing.

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