

No. 752,447.

PATENTED FEB. 16, 1904.

W. GEBERT.  
HORN.

APPLICATION FILED AUG. 17, 1903.

NO MODEL.

Fig. 1.

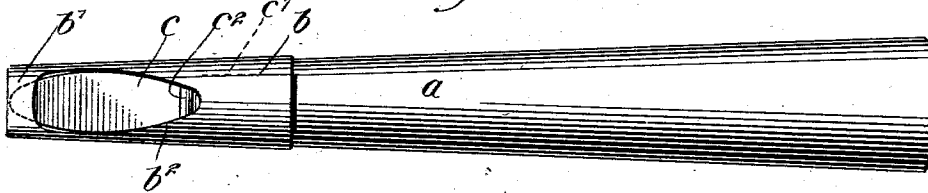


Fig. 2.

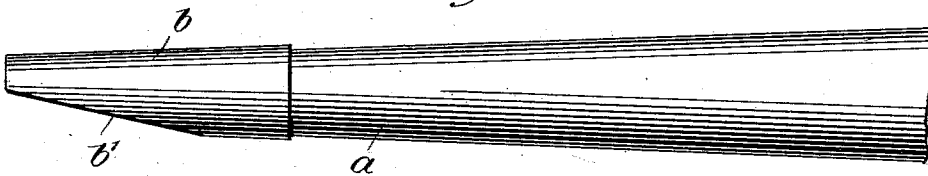


Fig. 3.

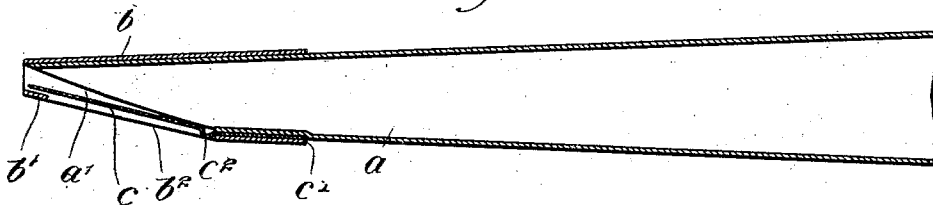


Fig. 4.

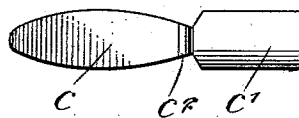


Fig. 5.



WITNESSES:

Edward Thorpe  
Isaac B. Owens

INVENTOR

William Gebert

BY

Mumme

ATTORNEYS

# UNITED STATES PATENT OFFICE.

WILLIAM GEBERT, OF TRENTON, NEW JERSEY.

## HORN.

SPECIFICATION forming part of Letters Patent No. 752,447, dated February 16, 1904.

Application filed August 17, 1903. Serial No. 169,746. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM GEBERT, a citizen of the United States, and a resident of Trenton, in the county of Mercer and State of New Jersey, have invented a new and Improved Horn, of which the following is a full, clear, and exact description.

The object of this invention is to provide a reed horn or trumpet the tone of which may be regulated at will. Heretofore it has been sought to attain this object by providing a reed-adjusting member attached to the reed and projecting beyond the reed-box, so that said member may be grasped and the reed manipulated according to the tone desired. These devices are cumbersome and the musical effect is very poor. My invention seeks to provide a horn in which this regulation of the reed may be effected by the tongue and lips of the operator, whereby a much more delicate action is attained and also a neat and compact instrument is provided.

This specification is an exact description of one example of my invention, while the claims define the actual scope thereof.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a bottom view of a horn embodying my invention. Fig. 2 is a side view thereof. Fig. 3 is a longitudinal section thereof. Fig. 4 is a plan view of the reed, and Fig. 5 is a longitudinal section of the same.

$a$  indicates the tube of the horn, the mouth end of which is cut off diagonally, as indicated at  $a'$ , and  $b$  indicates the reed-box or mouthpiece, which is placed over the mouth end of the tube and formed with a diagonal under side  $b'$ , corresponding with the diagonal side  $a'$  of the tube, but on not so short an angle, so as to allow for the vibration of the reed  $c$ , which lies between the sides  $a'$  and  $b'$ , as will be hereinafter fully set forth. The reed-box  $b$  is also provided with an opening  $b^2$ , which is on its under side and elongated longitudinally of the horn.

The reed  $c$  has a shank  $c'$ , which is clamped

between the tube  $a$  and the butt of the mouthpiece or reed-box  $b$ , this shank being joined to the reed proper by means of a crimped neck  $c^2$ , which has an arched crimp therein and serves to mount the tongue with entire resiliency. The parts  $c$ ,  $c'$ , and  $c^2$  are preferably constructed of an integral piece of sheet metal. In assembling the parts the reed  $c$  is arranged to lie opposite the opening  $b^2$  in the mouthpiece  $b$ . The operation of the horn is the same as an ordinary horn excepting that to change the note it is only necessary to press with the tongue or lips upon the reed  $c$ , the opening  $b^2$  readily allowing this operation. The reed may thus be controlled, and in controlling the reed the tone of the instrument may be varied at will.

Various changes in the form, proportions, and minor details of my invention may be resorted to at will without departing from the spirit and scope thereof. Hence I consider myself entitled to all such variations as may lie within the scope of my claims.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. A horn, having an orifice in the side thereof, and a reed located in the horn and juxtaposed to the orifice, said orifice exposing the reed so that it may be controlled by the tongue of the operator to vary the note of the horn.

2. A horn, comprising a tube, a reed-box or mouthpiece having an orifice therein, and a reed lying in the reed-box and normally covering the opening.

3. A horn having a tube, a reed-box or mouthpiece having an open end and a longitudinally-elongated opening in its side, and a reed lying in the reed-box and normally extending over the opening in the side thereof.

4. A reed for horns, comprising a reed proper, an elongated shank, the reed and shank being longitudinally alined and a resilient connection between the two.

5. A reed for horns, comprising a reed proper, an elongated shank, the reed and shank being longitudinally alined and a crimped neck connecting the two, the reed

proper, the shank and neck being formed of an integral piece of sheet metal.

6. A reed for horns comprising a reed proper, a shank and a neck connecting the two,  
5 all of said parts being formed of sheet metal and the neck having an arched crimp therein resiliently to mount the reed.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

WILLIAM GEBERT.

Witnesses:

G. B. CLEMMER,  
J. T. TEMPLE.