

(No Model.)

W. H. TALMADGE.  
MOUTHPIECE FOR CORNETS.

No. 513,346.

Patented Jan. 23, 1894.

Fig 1:

Fig 2:

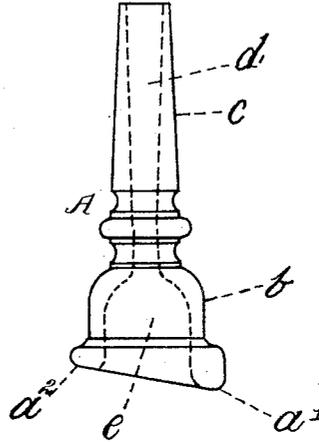
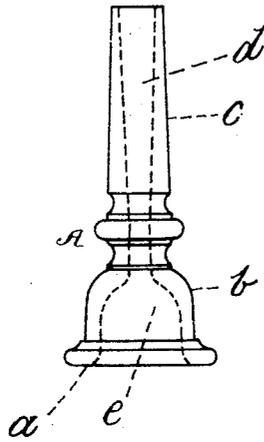
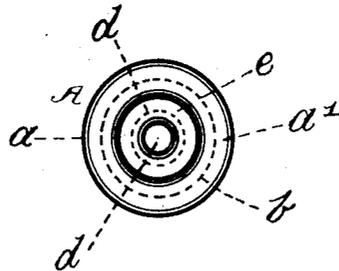


Fig 3:



**WITNESSES:**

*Richard A. Haly*  
*James G. Shaw*

**INVENTOR:**

*William H. Talmadge*

# UNITED STATES PATENT OFFICE.

WILLIAM H. TALMADGE, OF POMPTON, NEW JERSEY.

## MOUTHPIECE FOR CORNETS.

SPECIFICATION forming part of Letters Patent No. 513,346, dated January 23, 1894.

Application filed February 11, 1893. Serial No. 462,003. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM H. TALMADGE, a citizen of the United States, residing in the town of Pompton, in the county of Passaic and State of New Jersey, have invented certain new and useful Improvements in the Mouth-Pieces of Cornets and other Brass-Band or Horn Instruments; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention contemplates certain new and useful improvements in mouth pieces for musical instruments, such as cornets, clarinets, horns and the like, and the object of the invention is to cause the mouth-piece to fit snug against the player's mouth and promote ease and comfort in the use of the musical instrument, permitting the latter to be held in such manner as to avoid strain on the player's neck and gain easier tones with little or no inconvenience.

The invention consists of a mouth piece beveled or inclined on its outer surface so that it will be of increased thickness at one portion or side and gradually taper to the opposite portion or side, substantially as hereinafter fully set forth and particularly pointed out in the claims.

In the accompanying drawings:—Figure 1 is an elevation showing the form of mouth-piece in general use. Fig. 2 is a similar view showing my improvement. Fig. 3 is an end view.

As heretofore constructed the ordinary mouth piece for cornets, and other brass musical instruments, has been provided with a metallic cushion having its mouth contact portion made straight and of equal thickness throughout its circumference. A mouth-piece so constructed causes the player to throw his head backward or bend his neck to an unnatural and uncomfortable position. In fact it is necessary to do so in order to place the instrument on a horizontal plane. A mouth-piece so constructed is of the form shown in Fig. 1.

Referring to the drawings, A designates the mouth-piece and *a* the cushion, which may be

secured to or formed integral with the mouth-piece, proper. The outer contact surface of this cushion is beveled or inclined, as shown, at one portion, *a'*, and gradually tapers to the other or reduced side *a*<sup>2</sup>. The thickened portion *a'* is designed to bear against the lower lip of the player. It is obvious that when an instrument provided with such a mouth-piece is used or played upon it will naturally occupy a horizontal position without causing the player to throw back his head or strain his position. Similar results may be obtained by attaching to a mouth-piece a ring of unequal thickness at one side and gradually tapering to the other or opposite side, said ring being soldered, or otherwise secured, to the mouth-piece proper.

The advantages of my invention are apparent to those skilled in the art and it will be observed that players having projecting and uneven teeth can perform with greater ease on an instrument provided with my improvement than where the contact end of the cushion is flat or even.

Easier and clearer notes from the highest to the lowest can readily be attained by the use of my invention.

I claim as my invention—

1. A mouth-piece for musical instruments formed in one piece and having its outer or contact end inclined relatively to the instrument itself, whereby the latter will normally occupy a horizontal position when in use, as set forth.

2. A mouth piece for musical instruments formed in one piece and having its outer or contact end thickened at its lower side and gradually tapered to its opposite side, as set forth.

3. An attachment for mouth pieces for musical instruments, consisting of a ring thickened at its lower side and reduced at the upper, a gradual taper extending from said former side to the latter, substantially as set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 20th day of May, 1892.

WM. H. TALMADGE.

Witnesses:

FRANK E. PELLET,  
WOOD MCKEE.