

A. L. TILLEMAN.
CORNET MUTE.
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1,064,183.

Patented June 10, 1913.

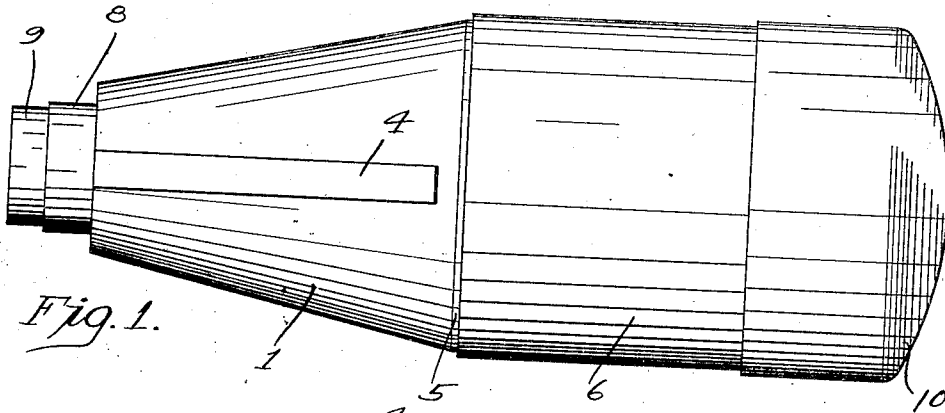


Fig. 1.

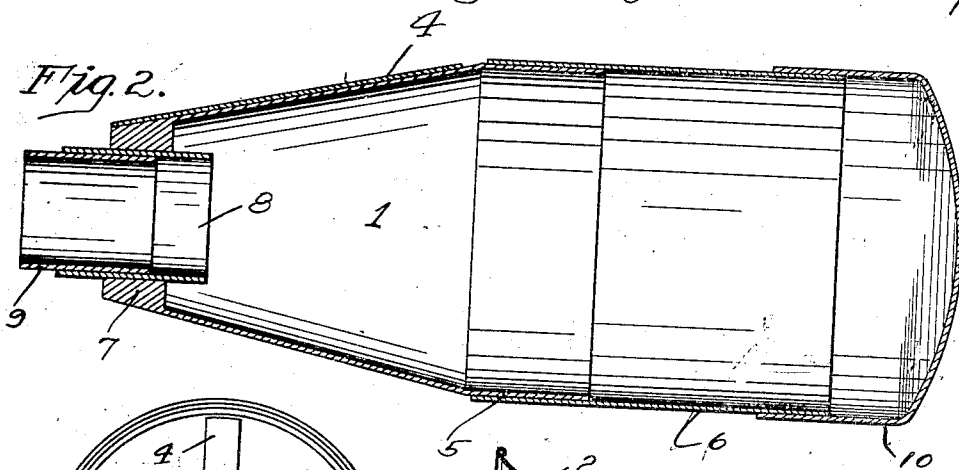


Fig. 2.

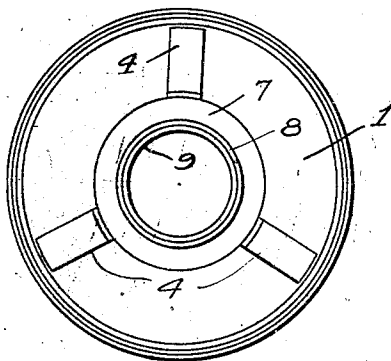


Fig. 3.

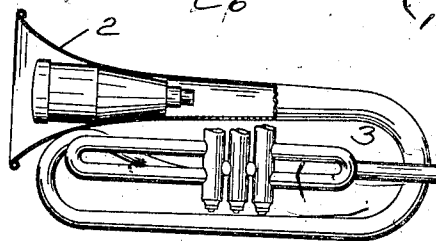


Fig. 4.

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CORNET-MUTE.

1,064,183.

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To all whom it may concern:

Be it known that I, AUGUST L. TILLEMAN, a citizen of the United States, residing at Bakersfield, in the county of Kern and State of California, have invented certain new and useful Improvements in Cornet-Mutes, of which the following is a specification.

My present invention relates to mutes for wind instruments to check the emission of the tone therefrom.

The principal objects of my invention are to provide a mute which may be readily assembled in operative relation to existing wind instruments and adjusted to check or subdue the tone emitted therefrom without putting the instrument out of tune.

In the drawings, forming a part of this specification: Figure 1 is a side elevation of the device embodying my invention. Fig. 2 is a central longitudinal section through the device as disclosed in Fig. 1. Fig. 3 is an end elevation of the device as disclosed in Fig. 1. Fig. 4 is a view partly in elevation and partly in section showing the application of my device to a wind instrument.

Similar characters refer to similar parts throughout the views.

A shell 1, preferably frusto conical in shape, open at both ends, is adapted to be disposed stationarily in the tone emitting conduit of a wind instrument. In Fig. 4, this shell is shown disposed in the bell 2 of a cornet 3. In order to adapt the device to be readily disposed in operative relation to existing instruments, or removed therefrom, a plurality of strips 4, of rubber, leather or the like having a high coefficient of friction, is secured longitudinally and exteriorly of said shell, so that a slight inward pressure upon inserting the shell into the horn bell, brings the strips in close contact with the surface of such bell. At its larger end the shell 1 has a cylindrical extension 5 which has a telescopic engagement with the shell 6. The other end of the shell 1 is provided with an internal annular flange 7 by which a tube 8 is telescopically carried, and a second tube 9 may be telescopically carried by the tube 8, to render the device capable of a wide range of adjustment. The end of cylindrical shell 6 is provided with a cap 10, closing one end, and telescopically carried by the shell. All the parts movable with respect to each other are in such frictional engagement as to normally retain an adjusted position which is attained manually.

In use, the various telescopic members are moved to extend or contract the device until they are so disposed that the mute, inserted into the tone emitting conduit of the wind instrument, checks or subdues the tone without putting the instrument out of tune, that is, the same note is sounded by manipulation of the same key, plunger or the like, on the instrument as if sounded by manipulation of the same keys, without the mute inserted into the conduit, but the mute subdues the tone.

It will of course be understood that various modifications of my invention may be employed without departing from the spirit of my invention.

I claim:—

1. A cornet mute comprising in combination, a frusto-conical shell having an extension at its larger end, a tube telescopically carried by said shell at its smaller end, a cylindrical shell telescopically carried by said extension of said shell, and a cap telescopically carried by said cylindrical shell at its end opposite its engagement with the said extension of said shell, substantially as and for the purpose set forth.

2. A cornet mute comprising in combination, a frusto-conical shell having an extension at its larger end, frictional elements possessing a high coefficient of friction carried by said shell on the exterior thereof for engagement with the surface of the tone emitting conduit of the instrument, to retain said shell stationarily with said conduit, a tube telescopically carried by said shell at its smaller end, a cylindrical shell telescopically carried by said extension of said shell, and a cap telescopically carried by said cylindrical shell at its end opposite its engagement with said extension of said shell, substantially as and for the purpose set forth.

3. In a cornet mute, the combination of a frusto conical shell having an extension at its larger end, a tube telescopically carried by said shell at its smaller end, a cylindrical shell telescopically carried by said extension of said shell, a cap telescopically carried by said cylindrical shell at its end opposite its engagement with said extension of said shell, and a second tube telescopically carried by said first mentioned tube, substantially as and for the purpose set forth.

4. A cornet mute comprising in combination, a frusto conical shell having an ex-

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tension at its larger end, frictional elements
possessing a high coefficient of friction car-
ried by said shell for engagement with the
surface of the tone emitting conduit of the
5 instrument, to retain said shell stationarily
within said conduit, a tube telescopically
carried by said shell at its smaller end, a
cylindrical shell telescopically carried by
said extension of said shell, a cap tele-
10 scopically carried by said cylindrical shell
at its end opposite its engagement with the

said extension of said shell, and a second
tube telescopically carried by said first men-
tioned tube, substantially as and for the pur-
pose set forth.

In testimony whereof I affix my signature 15
in presence of two witnesses.

AUGUST L. TILLEMAN.

Witnesses:

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