

No. 781,385.

PATENTED JAN. 31, 1905.

S. E. WILLIAMS.

SANITARY ATTACHMENT FOR TELEPHONE TRANSMITTERS.

APPLICATION FILED MAY 9, 1904.

Fig. 1.

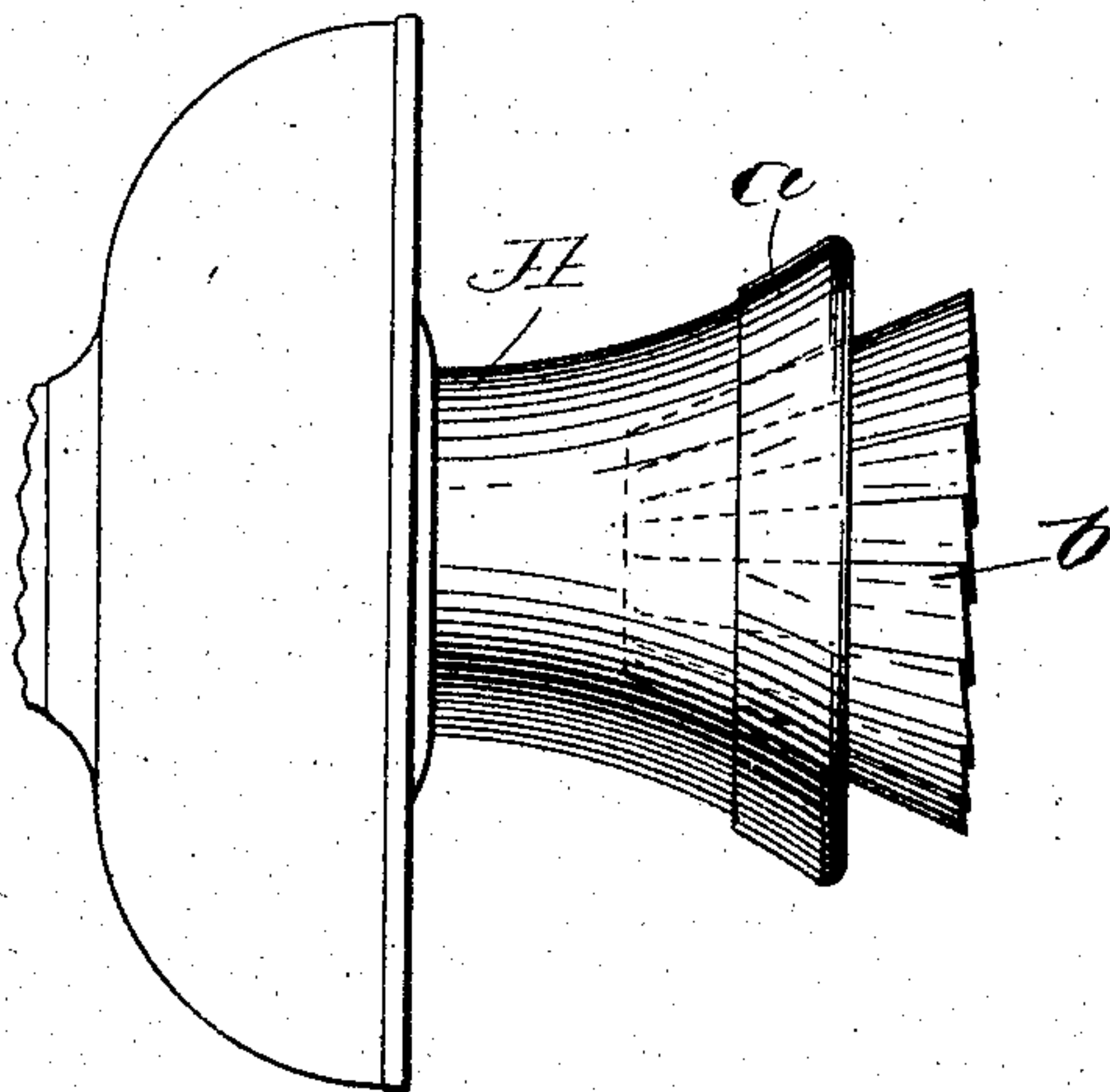
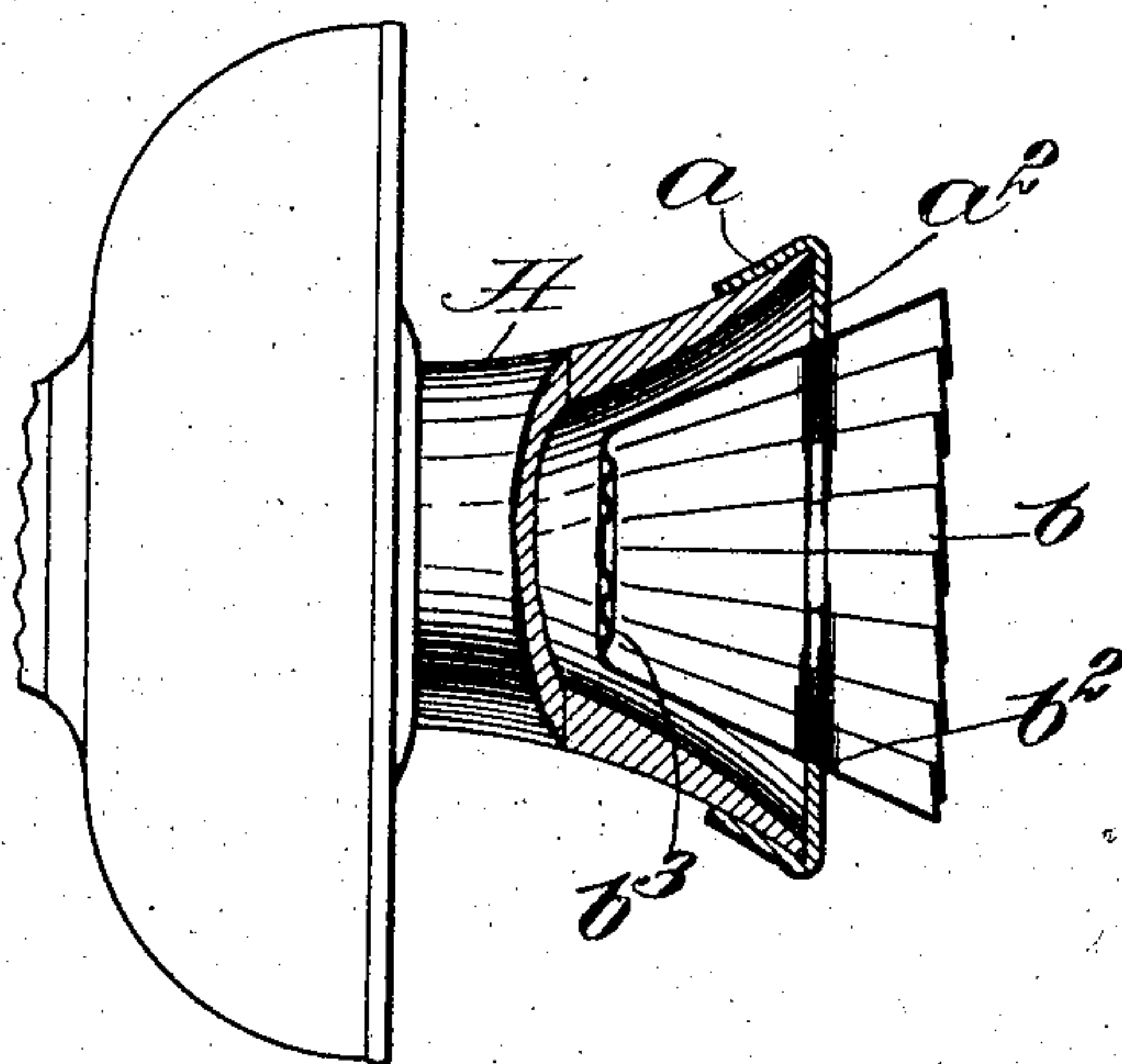


Fig. 2.



Witnesses:
James Maloney.
Margaret D. Dwyer.

Inventor:
Simon E. Williams.
by J. P. and H. Swinmore.
Attys.

UNITED STATES PATENT OFFICE.

SIMON E. WILLIAMS, OF BOSTON, MASSACHUSETTS.

SANITARY ATTACHMENT FOR TELEPHONE-TRANSMITTERS.

SPECIFICATION forming part of Letters Patent No. 781,385, dated January 31, 1905.

Application filed May 9, 1904. Serial No. 207,156.

To all whom it may concern:

Be it known that I, SIMON E. WILLIAMS, a citizen of the United States, residing in Boston, county of Suffolk, and State of Massachusetts, have invented an Improvement in Sanitary Attachments for Telephone-Transmitters, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

The present invention relates to a sanitary attachment for telephone-transmitters, the purpose of the invention being to supply the consumer with inexpensive attachments and to provide the transmitter with a holding device for the attachments, so that one of them can be taken out and thrown away and another put in its place, thus insuring perfect cleanliness without any material expense.

In accordance with the invention I provide the transmitter with an annular holding device the edge of which projects inward beyond the edge of the transmitter, and the attachment, which is substantially in the shape of a cone, is pushed into the mouth of the transmitter until the wall of the cone is engaged by the edge of the annular holding member which retains the attachment in place. I prefer to make the attachments of light thin material—such, for example, as paper—which can be impregnated, if desired, with a suitable antiseptic, it being obvious that a large number of these attachments can be supplied at small cost and a new one inserted as frequently as may be desirable. I also prefer to make the supporting member of flexible material, which holds the attachment firmly against accidental removal; but it does not in any way hinder or lessen the vibrations, so that there is no interference with the sound transmission.

Figure 1 is a side elevation of a telephone-transmitter with the attachment forming the subject of the invention applied thereto, and Fig. 2 is a similar view showing a portion of the transmitter in section and the attachment also in section.

In accordance with the invention I provide the telephone-transmitter A with a retaining member *a*, which has an annular flange *a*² extending around the edge of the transmitter and projecting inward beyond said edge, the edge of the flange thus affording a support for the attachment *b*, which is generally conical in shape. The supporting member *a* may be of flexible material, although not essentially so, and is herein shown as a wide rubber band, which can be readily stretched over the end of the transmitter A, as best indicated in Fig. 2.

The attachment *b* may be of any suitable or usual material capable of being treated with an antiseptic, and I have found it practical to utilize thin paper which can be formed into a cone by crimping—for example, as indicated in the drawings.

While an attachment of simple cone shape will be properly supported by the member *a*, I prefer to provide the attachment *b* with an annular channel *b*² to receive the edge of the member *a*, thus insuring that every attachment will be held in the same position with relation to the transmitter.

In order to render the attachment more sensitive to vibrations, the closed end thereof may be provided, as indicated, with annular channels or corrugations *b*³, as shown in Fig. 2.

What I claim is—

1. An attachment for telephone-transmitters consisting of an annular supporting member which projects inward across the face of the transmitter, combined with an antiseptic cone-shaped member closed at the inner end and projecting into the transmitter and supported by the inwardly-projecting edge of the annular supporting member, aforesaid, substantially as described.

2. An attachment for telephone-transmitters comprising an annular flexible supporting member projecting inward over the edge of the transmitter; and a detachable cone-shaped antiseptic member closed at the inner end and supported by the edge of said flexible supporting member.

3. An attachment for telephone-transmit-

ters comprising an annular flexible supporting member projecting inward over the edge of the transmitter, and a detachable cone-shaped antiseptic member provided with an annular
5 channel to receive the edge of the flexible supporting member, and also provided with corrugations at the closed end, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two sub- 10
scribing witnesses.

SIMON E. WILLIAMS.

Witnesses:

MARGARET E. COVENEY,
HENRY J. LIVERMORE.