M. S. FEDERMAN.

SANITARY ATTACHMENT FOR TELEPHONE TRANSMITTERS.

APPLICATION FILED FEB. 19, 1917.

1,256,003. Patented Feb. 12, 1918.

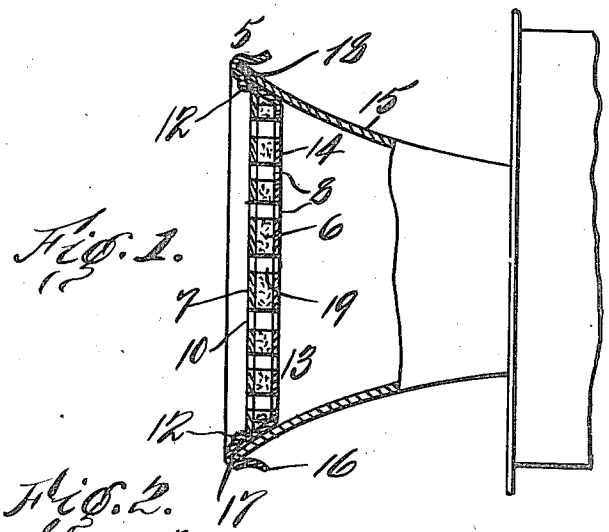


Fig. 1.

Fig. 2.

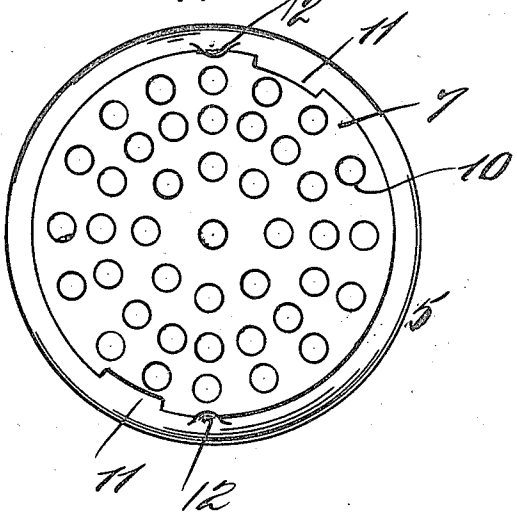
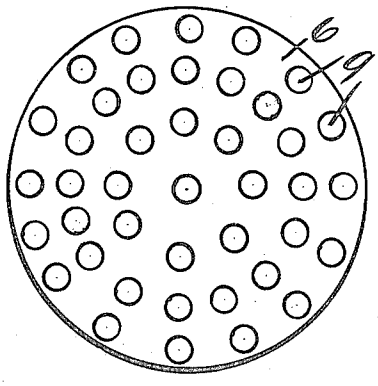


Fig. 3.



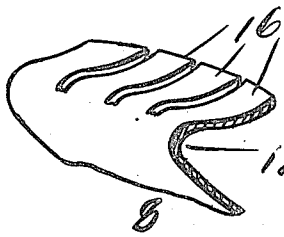


Fig. 4.

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UNITED STATES PATENT OFFICE.

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SANITARY ATTACHMENT FOR TELEPHONE-TRANSMITTERS.

1,256,003. Specification of Letters Patent. Patented Feb. 12, 1918.

Application filed February 18, 1917. Serial No. 149,476.

To all whom it may concern:

Be it known that I, MARIE S. FEDERMAN, a citizen of the United States of America, residing at New York city, county and State of New York, have invented certain new and useful Improvements in Sanitary Attachments for Telephone-Transmitters, of which the following is a full, clear, and exact description.

This invention relates to improvements in sanitary attachments for the mouth-piece of telephone transmitters, the object being to provide a simple device that can be attached to or detached from the mouth-piece of a telephone transmitter by an unskilled person in a few seconds. My improved device may be designed for permanent attachment to such a mouth-piece, or to be carried by a person and applied to the mouth-piece of a public telephone. The object of my invention is to prevent the spread of contagious diseases, or to prevent the collection of germs in the mouth-piece of telephone transmitters.

To carry out the object of my invention, I provide a carrier having a pad treated with an antiseptic solution, the said carrier being designed to be snapped onto a mouth-piece, the said carrier and pad being preferably perforated to permit of the passage of sound-waves.

I will now proceed to describe my invention in detail, the novel features of which I will point out in the appended claims, reference being had to the accompanying drawing, forming part hereof, wherein—

Figure 1 is a longitudinal sectional view of a telephone-transmitter mouth-piece having my improvement attached thereto;

Fig. 2 is a face view thereof, looking from the left in Fig. 1;

Fig. 3 is a face view of the antiseptic pad; and

Fig. 4 is a fragmentary perspective view of the yieldable annular flange of the carrier.

My invention is herein illustrated as embodied in the form of cup-shaped flanged disk 5 carrying a pad 6 and retaining plate 7 for the pad. The carrier, pad and retaining plate are provided with perforations 8, 9 and 10 respectively for the passage of sound-waves.

As the pad 6 is intended for removal, for the purpose of cleaning, treating with an antiseptic solution, or for renewal, I arrange the plate 7 so that it can be readily removed from the carrier.

To adapt the plate for removal, at will, I provide the same with peripheral recesses 11 in order that the said plate can be positioned between the pad 6 and projections 12 on the carrier 5 for the purpose of maintaining the pad in position. As can be seen in Fig. 1, the pad 6 is located within the cupped portion 13 of the carrier 5 between the wall 14 of said carrier and plate 7.

To assemble the device the pad 6 after it has been treated with an antiseptic solution, will be placed in the carrier; the plate 7 will then be positioned to cause the recesses 11 to aline with the projections 12 on the carrier. After having performed this operation, the plate 7 will be pressed inwardly, slightly compressing the pad 6 until the plate has passed inwardly beyond the projections 12. After having passed the plate inwardly, a partial revolution to the right or left will cause the recesses to move away from the projection 12, after which pressure upon the plate can be removed, allowing the elasticity of the pad 6, to force the plate outwardly against the projections 12. Fig. 2 illustrates the plate in locked position. The pad 6 can be made out of any material capable of being treated with an antiseptic solution (felt for instance).

To adapt the carrier to releasably engage a mouth-piece, illustrated by 15 Fig. 1, I provide the same with an annular flange consisting of a plurality of yieldable tongues or members 16 slightly curved to form an annular recess 17 to receive the edge 18 of the mouthpiece 15. The tongues 16 will yield sufficiently to permit the carrier to be quickly applied to or detached from the mouth-piece.

What I claim as my invention is:

1. The combination of a cup shaped carrier, having a perforated base, a perforated antiseptically treated pad located within the cup-portion of said carrier and contacting with said perforated base, a perforated retaining plate for said pad, means carried by the carrier to engage and retain said plate in position, and a plurality of resilient tongues carried by said carrier to engage the mouth-piece of a telephone transmitter.

2. An attachment for the mouth-piece of a telephone transmitter, consisting of a perforated carrier, an antiseptic pad supported by said carrier, a plate for holding said pad

in position, and projections on the carrier for retaining the plate in position thereon, said plate being provided with cut away portions or recesses on its peripheral edge to allow insertion and withdrawal thereof past said projections.

3. An attachment for the mouth-piece of a telephone transmitter, consisting of a cup-shaped carrier, the base of which is perforated, an antiseptic pad seated in said carrier, a perforated plate for holding said pad in position, and projections on said carrier for retaining said plate in position within the cup portion of the carrier, said perforated plate being provided with cut away portions or recesses on its peripheral edge to allow insertion and withdrawal of said plate past said projections.

Signed at New York city, N. Y., this 16th day of February, 1917.

MARIE S. FEDERMAN.

Witnesses:
MAURICE BLOCK,
EDWARD A. JARVIS.