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J. L. BARR

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SANITARY MOUTHPIECE COVER

Filed May 1, 1930

Fig. 1.

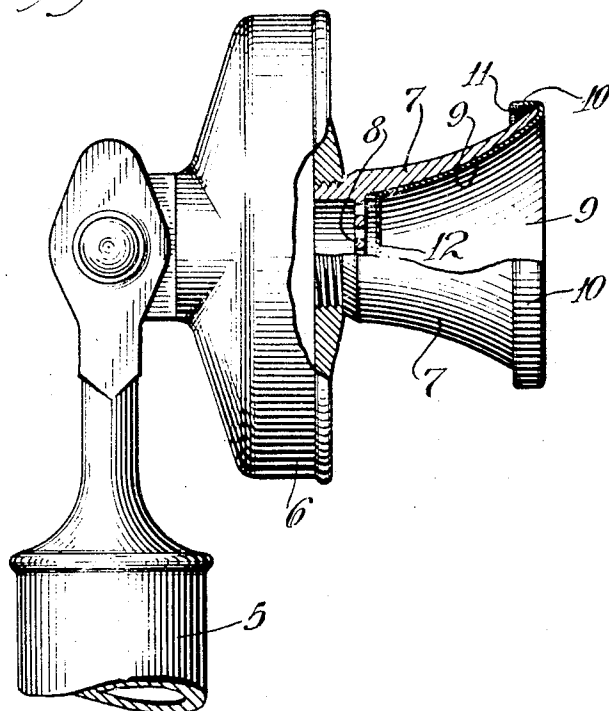


Fig. 2.

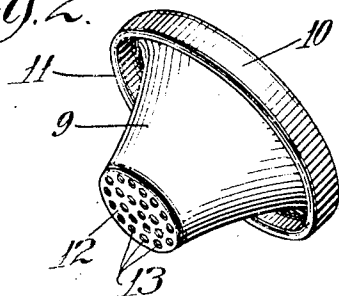
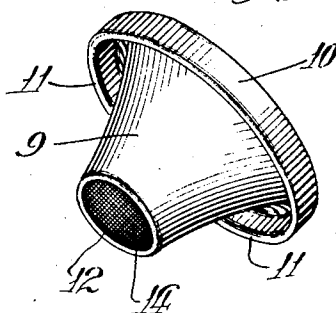


Fig. 3.



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SANITARY MOUTHPIECE COVER

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This invention relates to mouthpieces for telephone transmitters, speaking tubes and like instrumentalities, and it has for its object to produce a simple and inexpensive, yet practical and efficient sanitary lining for the mouth piece which can be readily applied and removed, and possessing certain other particular advantages as will hereinafter more fully appear.

10 The invention consists in the novel structure of the device and in its peculiar application to the mouthpiece as described in the following specification and set forth with particularity in the appended claims.

15 In the accompanying drawings, illustrating a practical adaptation of the invention,—

Fig. 1 is a fragmentary view, partly in side elevation and partly in section, of an ordinary telephone transmitter with a sanitary protector applied to the mouthpiece thereof in accordance with the present invention;

Fig. 2 is a perspective view of the protector detached; and

Fig. 3 is a similar view illustrating a modification of the device.

Referring now to the drawings, the numeral 5 designates the upper portion of an ordinary telephone instrument of the portable desk or table type, having the usual transmitter casing 6 and flared mouthpiece 7, said mouthpiece being provided near its inner end with the usual apertured partition wall or diaphragm 8.

The sanitary protector of the present invention comprises a cup-like member 9 which is preferably made of paper or other suitable characteristic material, the body portion thereof being tapered and shaped corresponding to the internal contour of the mouthpiece so as to fit rather snugly therein as a lining and to avoid, or at least minimize, vibration thereof when applied, which might seriously interfere with the transmission of the voice or sounds entering the mouthpiece.

The outer marginal portion of the device is preferably formed or provided with an outwardly and rearwardly turned collar 10 which fits over the outside of the adjacent outer end portion of the mouthpiece 7, and

the extreme marginal portion of the collar 10 is preferably rolled or beaded, as at 11.

Preferably, the body 9 of the protector is made of a depth so that its bottom 12 terminates in rather close proximity to the outer face of the apertured partition wall or diaphragm 8 of the mouthpiece 7, but with sufficient space therebetween so as not to block the apertures in said partition wall or diaphragm 8.

The bottom 12 of the device of the present invention is, of course, foraminated, the openings being either provided by forming a multiplicity of minute perforations 13, as shown more clearly in Fig. 2 of the drawings, or cutting out the bottom of the device entirely, as shown in the modification illustrated in Fig. 3, and covering the opening with gauze 14. Obviously the protector may be inexpensively produced entirely of paper except in cases where the bottom is made of gauze, which latter will not add materially to the cost of production. It is also preferably sterilized and rendered antiseptic in any approved manner.

From the foregoing it is readily apparent that the protectors may be stacked in a suitable dispensing device in a place conveniently accessible to public telephones so that they may be used individually, and as the cup-like body of the article affords a lining for practically the entire inner surface of the mouthpiece, the latter is always in a sanitary condition.

Obviously the structure of the device may be modified in many respects without in the least departing from the spirit and scope of the invention as defined by the appended claims. The invention, therefore, is not limited to the specific construction and arrangement shown in the accompanying drawings.

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

1. A removable mouthpiece lining comprising a cup-like member insertable in the mouthpiece and conforming exactly to the interior contour thereof in intimate contact throughout, said lining extending in proximity to the inner end of the mouthpiece.

2. A removable pliable mouthpiece lining comprising a cup-like paper member insertable in the mouthpiece and conforming to the interior contour thereof, said lining extending in proximity to the inner end of the mouthpiece, and having a foraminous bottom and an outwardly and rearwardly turned marginal collar overlapping the adjacent outer end portion of the mouthpiece.
3. In combination with a mouthpiece for telephones and the like, a removable pliable lining insertable therein and coinciding with the inner side wall thereof, said lining having a foraminous end wall adjacent the end wall of said mouthpiece and being turned outwardly and rearwardly for retentive engagement with the outer periphery of said mouthpiece.
4. In combination with a mouthpiece for telephones and the like, a removable pliable lining insertable therein as an exact counterpart of the interior wall surface thereof, said lining having a foraminous end wall adjacent the end wall of said mouthpiece and being folded outwardly and rearwardly to provide a beaded band for retentive engagement with the outer periphery of said mouthpiece.
5. In combination with a mouthpiece for telephones and the like, a pliable paper lining insertable therein and coinciding with the inner side wall thereof, said lining provided with a netted end wall immediate the end wall of said mouthpiece, and a back-turned beaded band for retentive engagement with the outer periphery of said mouthpiece.

In testimony whereof I have signed my name to this specification.

JOHN L. BARR.

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