May 1, 1951 G. DE CORDRE 2,551,247

ANTISEPTIC DISK WITH TAPERED PRONGS FOR ATTACHMENT TO TELEPHONE TRANSMITTERS

Filed Nov. 17, 1947

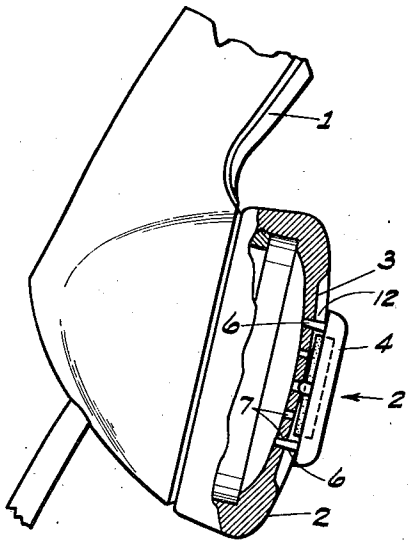


Fig. 1

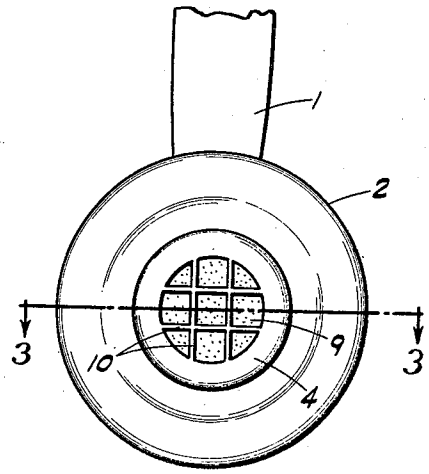


Fig. 2

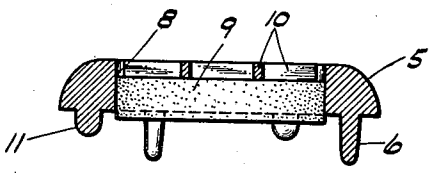


Fig. 3

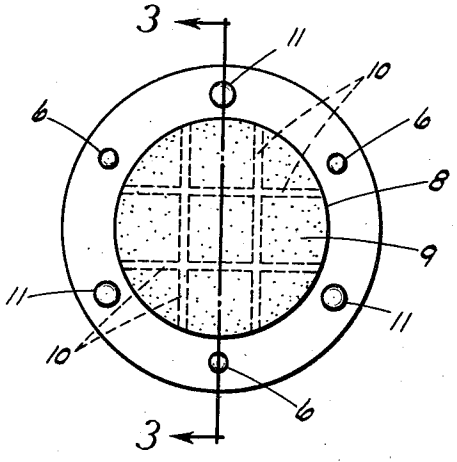


Fig. 4

Inventor

GALE DECORDRE

By Arthur Robert

Attorney

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ANTISEPTIC DISK WITH TAPERED PRONGS FOR ATTACHMENT TO TELEPHONE TRANSMITTERS

Gale de Cordré, Louisville, Ky., assignor to Safety Service Corporation, Louisville, Ky.

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1 Claim. (Cl. 179—185)

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This invention relates to a sanitary attachment for a transmitter of a telephone, radio microphone, public address system or the like.

It is an object of this invention to prevent communication of germs between the users of voice transmitters.

A further object is the provision of a germicide attachment for the transmitter which kills germs on contact and which acts as a deodorant.

A further object is the provision of a germicide attachment which is rendered effective by conversational spray or moisture in the air to kill germs on contact and to emit a germ-killing gas.

These and other objects of the invention will be apparent from a consideration of the following description taken in connection with the accompanying drawing and which illustrates a preferred embodiment of the invention by way of example, and wherein:

Figure 1 is a fragmentary side view, partly in section, of a telephone transmitter showing the invention attached thereto,

Figure 2 is a view looking in the direction of arrow 2 in Figure 1,

Figure 3 is a sectional view taken on line 3—3 of Figure 2, and

Figure 4 is a bottom view of Figure 3.

Referring to the drawing, the numeral 1 shows a fragment of a conventional type of hand set combination telephone receiver and transmitter. The mouthpiece is indicated by the numeral 2 and has a perforate diaphragm 3 forming part of the housing enclosing the transmitter mechanism. A holder 4 comprises an annulus or rim 5 having tapered prongs 6 extending therefrom, which are adapted to wedge into the perforations 7 in the diaphragm 3 to removably retain the holder in position. For this purpose, the prongs are so located that they register with the holes in the telephone transmitter housing and are preferably 120° apart. The circular hole or recess 8 in the holder receives the germicidal tablet 9 and holds it in position, and bars 10, which may be formed integral with the rim 5, prevent the tablet from falling forwardly and expose the tablet from the front.

The rim 5 has bosses 11 on its underside which may be located between the prongs 6, and these bosses act as spacers to engage the diaphragm 3 to maintain the rim in spaced relation to the mouthpiece housing so that air may circulate around the rim. Thus, the presence of the tablet 9 does not interfere with or prevent the conduction of the voice vibrations to the telephone transmitter diaphragm within the housing 2. The space 12 thus provided is small enough to prevent the tablet from falling therethrough, should it become dislodged.

The holder may be constructed of any suitable

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material. I have found that cellulose acetate, known commercially under the trade name "Tenite #2," is suitable, and it has sufficient resilience to enable the prongs 6 to wedge in the openings in the telephone housing, and is soft enough not to wear the holes therein or to become loose. The holder may be in any desired color.

It will be observed that the germicidal tablet 9 thus is held in spaced relation to the telephone transmitter housing in direct line with the user so that conversational spray is directed between the bars 10 onto the tablet 9, and germs in the spray are killed by direct contact with the surface of the tablet. Conversational spray and moisture from the air act upon the tablet to release a germicidal gas which is effective in killing germs with which the gas comes into contact. The tablet is of such size as to be wedged into the opening 10 and is thus held firmly in position. However, should the tablet shrink or become loose, it is kept from falling forward by the bars 10, and cannot fall out behind the holder because of the bosses 11.

I claim as my invention:

A holder for a renewable antiseptic disc adapted to be attached to a telephone transmitter of the perforate diaphragm type comprising: an annular rim having a plurality of tapered pegs projecting from one face, said pegs being circumferentially spaced to align with the perforations in the diaphragm, and being of a length and thickness to enter and wedge in the perforations of the diaphragm; stop means projecting from the rim to engage the face of the diaphragm and limit penetration of the pegs into the perforations; and a grid formed integral with the rim to retain an antiseptic disc between the grid and the perforate diaphragm.

GALE DE CORDRÉ.

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