E. M. POTTER.

SANITARY TELEPHONE ATTACHMENT.

APPLICATION FILED JULY 28, 1919.

1,347,710.

Patented July 27, 1920.

Fig. 1.

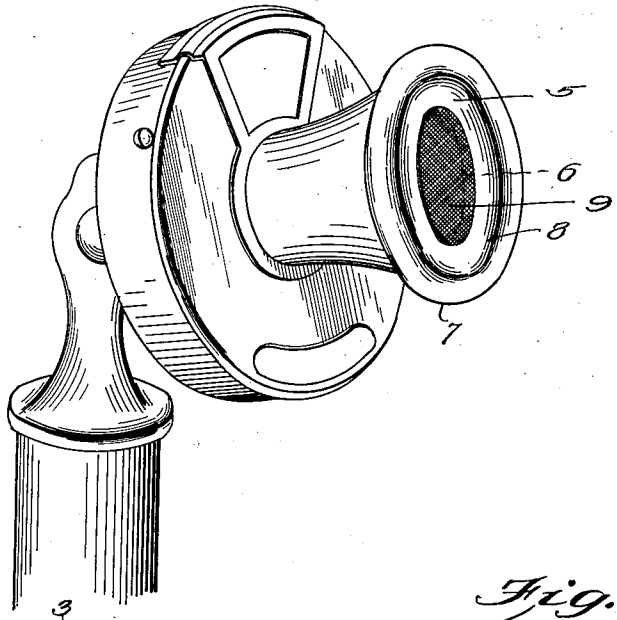


Fig. 2.

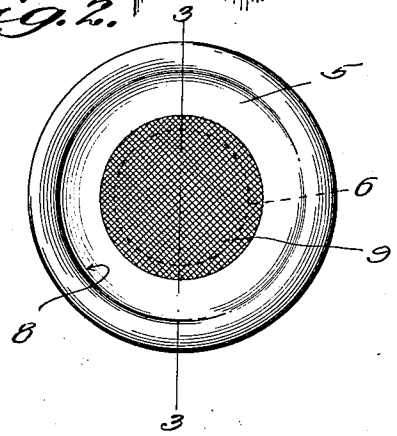
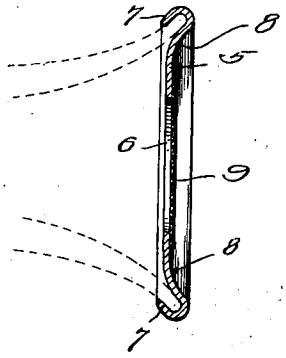


Fig. 3.



Inventor

Ellis M. Potter

By

George H. Bruce

Atty

UNITED STATES PATENT OFFICE.

ELLIS M. POTTER, OF NEW YORK, N. Y.

SANITARY TELEPHONE ATTACHMENT.

1,347,710. Specification of Letters Patent. Patented July 27, 1920.

Application filed July 28, 1919. Serial No. 313,709.

To all whom it may concern:

Be it known that I, ELLIS M. POTTER, a citizen of the United States, residing at 840 West End avenue, in the city, county, and State of New York, have invented a new and useful Improvement in Sanitary Telephone Attachments, of which the following is a specification.

This invention relates to mouthpieces for telephone transmitters and more particularly to a detachable disinfecting guard adapted to form a closure for the open end of the mouth piece and prevent the spread of contagious diseases.

The primary object of the invention is to provide a guard of the character mentioned which is simple in construction inexpensive of production, and which may be conveniently carried in quantities in the vest pocket of the user.

A further object is to provide a guard of the character mentioned which will not interfere with the transmission of speech.

In the accompanying drawings, illustrating the invention, in the several figures of which like parts are similarly designated;

Figure 1 is a perspective view of a structure embodying the invention and shown attached in operative position to a telephone transmitter;

Fig. 2 is a front view of the invention detached, and

Fig. 3 is a section on the line 3—3 of Fig. 2.

In constructing my invention I cut or stamp from a thin sheet of paper, metal or other suitable pliable material a disk 5, slightly greater in diameter than the diameter of the mouthpiece of the telephone. The disk 1 is formed with a central opening 6 and the peripheral edges of the disk are folded or curled backwardly and inwardly thus forming a beaded or flanged edge 7 adapted to snugly engage the mouthpiece. That portion of the disk between the beaded edge 7 and the opening 6 is made slightly concaved as by pressing, thereby contracting the beading. This latter may be effected during the stamping or cutting operation by the use of suitable dies. The beaded edge 7 is made slightly smaller in diameter than the diameter of the telephone so that when the guard is slipped over the mouthpiece the depressed portion will stretch thus permitting the disk to be clamped securely in place.

The guard is applied to the mouth piece by pressing a portion of one edge over a corresponding edge portion of the mouth piece, and then springing the guard into place. This can readily be effected due to the resiliency or giving qualities of the concave portion 8 of the guard, as will be apparent.

A piece of antiseptically treated gauze 9 applied to one face of the guard covers the opening 6 and effectually prevents disease germs, which may have collected in the mouth piece from being inhaled by the user of the present invention.

I have found by actual trial that when the guard fits snugly on the mouth piece, the voice is carried direct into the telephone and does not escape into the room, the sound waves being broken and not permitted to rebound from the telephone into the room.

Having thus described my invention, what I claim is:

As a new article of manufacture, a disinfecting cap for telephone transmitter mouthpieces, comprising a disk of thin sheet paper having its peripheral edge curled backwardly and inwardly to form a peripheral bead adapted to snugly engage the periphery of the mouthpiece, said disk having a central opening and an antiseptically treated fabric covering said opening, that portion of the disk between said opening and said rim being depressed to concave shape when not in use, whereby when the peripheral bead is forced over the mouthpiece, the depressed portion will stretch and cause the disk to be tightly clamped in place.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, this 23rd day of April, 1919.

ELLIS M. POTTER.

Witnesses:
BENJ. SOLOMON,
FRANCES NEIDER.