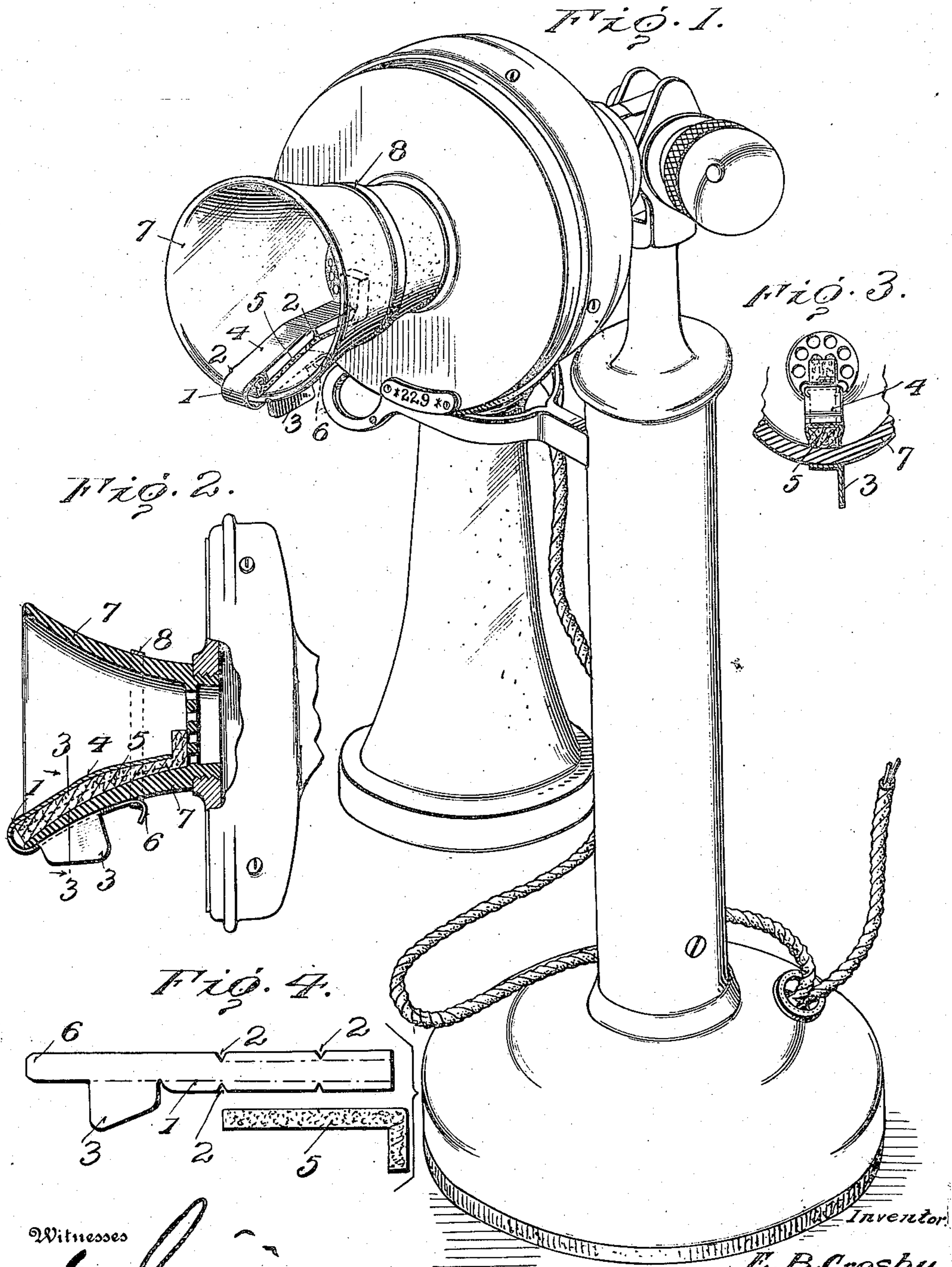


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 ANTISEPTIC ATTACHMENT FOR TELEPHONE TRANSMITTERS.
 APPLICATION FILED JAN. 11, 1909.

923,950.

Patented June 8, 1909.



Witnesses

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UNITED STATES PATENT OFFICE.

ERNEST B. CROSBY, OF LOCKPORT, NEW YORK.

ANTISEPTIC ATTACHMENT FOR TELEPHONE-TRANSMITTERS.

No. 923,950.

Specification of Letters Patent.

Patented June 8, 1909.

Application filed January 11, 1909. Serial No. 471,685.

To all whom it may concern:

Be it known that I, ERNEST B. CROSBY, citizen of the United States, residing at Lockport, in the county of Niagara and State of New York, have invented certain new and useful Improvements in Antiseptic Attachments for Telephone-Transmitters, of which the following is a specification.

This invention relates to disinfecting appliances and has for its object to provide a simple, economical and effective means for applying a disinfectant to the mouthpieces of speaking tubes, telephone transmitters and other instruments in which mouth pieces are employed.

The invention essentially comprises a clip designed as a holder for a strip of felt or other suitable material containing a disinfectant, and deflected to conform to the convexity or concavity of the mouth piece to retain the felt in close proximity to the inner surface thereof, and adapted to be revolved upon the mouthpiece to thoroughly clean and disinfect the same without interfering with the perfect transmission of sound.

For a full understanding of the invention and the merits thereof and also to acquire a knowledge of the details of construction and the means for effecting the result, reference is to be had to the following description and accompanying drawings, in which:

Figure 1 is a perspective view of the appliance occupying an operative position upon the mouth piece of a telephone transmitter; Fig. 2 is a longitudinal sectional view of the appliance and mouthpiece; Fig. 3 is a vertical sectional view on the line 3—3 of Fig. 2; and, Fig. 4 is a detail illustration of the blank and pad from which the appliance is constructed.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

Referring to the drawings the clip or appliance as illustrated in the several views is particularly adapted for use in connection with the mouthpiece of a telephone transmitter and without material changes in construction may be applied to any form or character of mouthpiece by necessary deflections to conform to the peripheral peculiarities thereof and to retain the disinfecting agent or pad in close proximity to the inner surface.

In the preferred construction of the appli-

ance a blank strip or piece of material 1, Fig. 4, is formed at both side edges with registering nicks 2, and a finger piece 3 intermediate the nicked portion and opposite end is designed for the manipulation of the appliance when occupying an operative position upon a mouthpiece. The side edges of the strip between the nicks 2 are arranged to be deflected at right angles to the body portion 1, to form a holder 4, Figs. 1 and 2, and a pad or strip 5 of suitable material adapted to contain a disinfectant, is retained within the holder by the deflected or clamped position of the side edges.

The blank or strip 1 is turned back upon itself intermediate the ends to form a clip, and the end oppositely disposed to the holder portion 4 is preferably bent or hooked as indicated at 6, Fig. 2. In its deflected position the edge of the mouthpiece 7 is inserted between the opposing ends of the clip and retained in position thereon by a band 8 which may be an ordinary rubber elastic placed upon the periphery of said mouthpiece and passed over the end of the clip within the hooked portion 6.

The pad 5 having been saturated with an antiseptic or disinfecting solution, the edge of the mouth piece 7 is inserted between the opposing ends of the clip and secured by the band 8. In this position the pad is held flat upon the inner surface of the mouthpiece by the deflected position of the holder 4 and when revolved by the finger piece 3 is brought in contact with the entire inner surface. With such an arrangement the antiseptic qualities of the solution used in saturating the pad 5 serve a double purpose in that a slow evaporation of the solution when the appliance is at rest, permeates inside the mouthpiece and when revolved the solution is brought in direct contact with the germs, thus increasing and promoting its disinfecting efficiency. As will be manifest the appliance when used in connection with the mouthpiece of a telephone will in no wise interfere or obstruct the sound waves which must pass through the mouthpiece to efficiently actuate the transmitter in the transmission of sound.

From the foregoing description in connection with the accompanying drawings, it will be apparent that I have provided an improved antiseptic appliance for mouthpieces of telephones, etc., which is simple, durable and economical in construction and efficient in operation; and which is easily and quickly

placed in position upon the mouthpiece and in such manner as to offer the least possible resistance to the passage of sound.

Having thus described the invention what is claimed as new is:

1. The combination with a telephone mouthpiece, a resilient clip frictionally held thereon and adapted to have movement around the mouth piece and a disinfectant in the form of a wiping strip supported by said clip in contact with the interior face of the mouthpiece and adapted to be moved with the clip around the mouthpiece to have wiping contact with the interior of same.

2. The combination with a mouthpiece, of a clip rotatably mounted thereon and containing a disinfectant material held in close proximity with the inner surface of the mouthpiece, and a band carried by said mouthpiece and adapted to guide the clip when rotated thereupon.

3. A disinfectant attachment for mouthpieces of telephones comprising a resilient clip embracing the edge of the mouthpiece and extending into the cavity thereof, said clip on its inward extension having inwardly turned side flanges, and a pad adapted to contain the disinfectant and retained upon said clip between the flanges and against the inner surface of the mouthpiece.

4. A disinfectant attachment for telephone mouthpieces comprising a clip formed of a resilient strip of metal conforming to and embracing the edge of the mouthpiece and

having a holder portion extending into the cavity, and a pad retained within the holder portion of the clip between it and the interior face of the mouthpiece, said pad being adapted to contain disinfectant and being held thereby in close proximity to the inner surface of said mouthpiece, and adapted to be rotated against the same.

5. A disinfectant attachment for mouthpieces comprising a clip embracing the edge of the mouthpiece and having a holder portion extending into the cavity of said mouthpiece, and designed to be revolved thereupon, a pad retained within the holder portion, and adapted to contain the disinfectant, said pad being held in close proximity to the inner surface of said mouthpiece, and a band carried by the mouthpiece and engaging the clip to guide the same in its revolutions about the mouth-piece.

6. As a new article of manufacture, a disinfectant appliance comprising a single strip of material deflected intermediate its ends to form a clip and having its side edges deflected to form clamp members, and also formed with a lateral projection designed as a finger-piece, and a disinfectant material secured to the clip by said clamp members.

In testimony whereof I affix my signature in presence of two witnesses.

ERNEST B. CROSBY. [L. S.]

Witnesses:

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