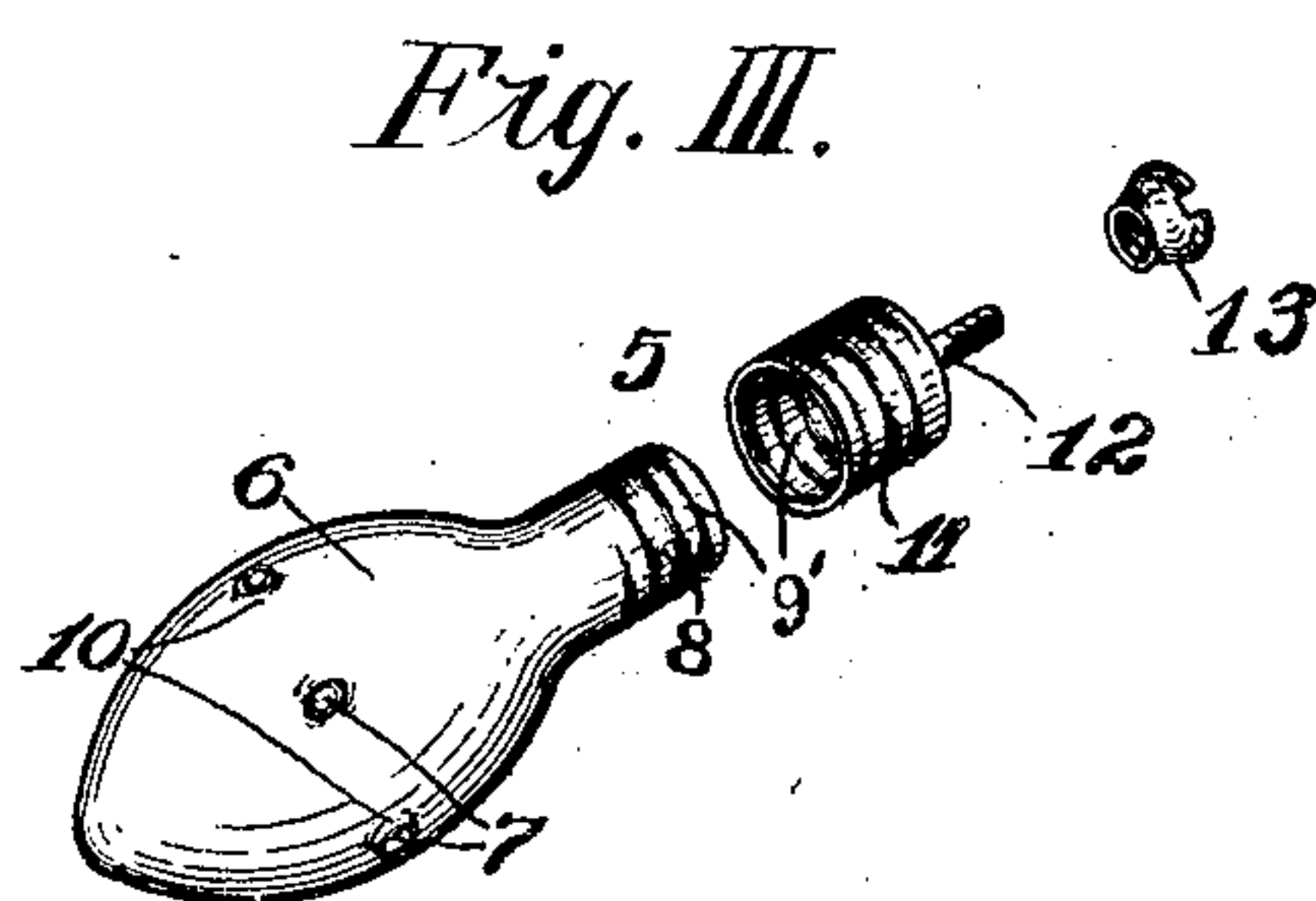
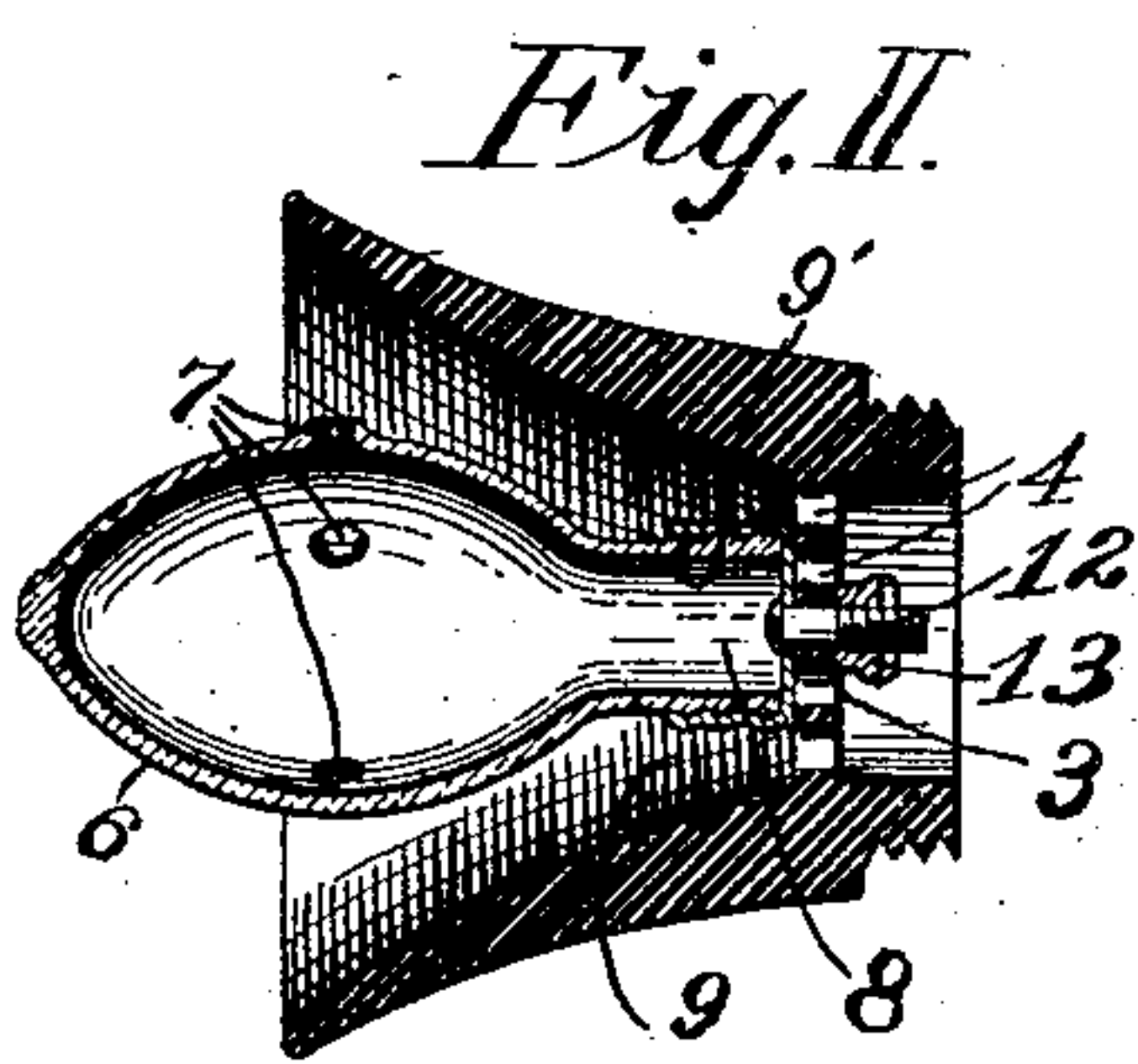
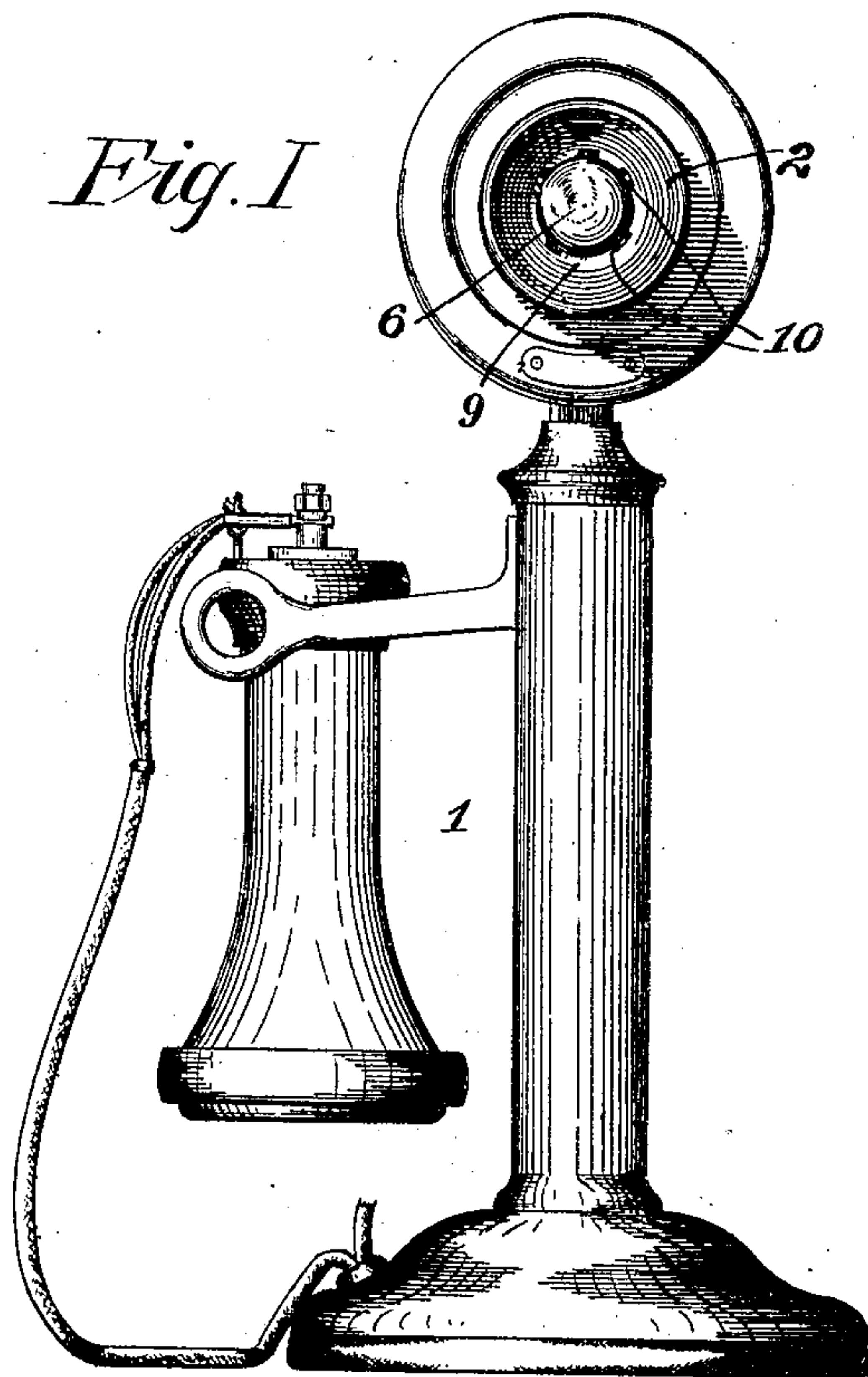


F. R. BIGLER.
DISINFECTANT HOLDER FOR TELEPHONE TRANSMITTERS.
APPLICATION FILED DEC. 4, 1908.

920,527.

Patented May 4, 1909.



WITNESSES:
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FRANK R. BIGLER, OF KANSAS CITY, MISSOURI.

DISINFECTANT-HOLDER FOR TELEPHONE-TRANSMITTERS.

No. 920,527.

Specification of Letters Patent.

Patented May 4, 1909.

Application filed December 4, 1908. Serial No. 465,948.

To all whom it may concern:

Be it known that I, FRANK R. BIGLER, a citizen of the United States, residing at Kansas City, in the county of Jackson and State of Missouri, have invented certain new and useful Improvements in Disinfectant-Holders for Telephone-Transmitters; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form a part of this specification.

My invention relates to a disinfectant holder for telephone transmitters and has for its object to provide a device of that class which may be easily and quickly attached to any ordinary telephone transmitter in such a manner that the effluent from the contained disinfectant may pass into and affect the air within the transmitter mouth piece.

A further object of my invention is to provide the improved details of structure presently described and pointed out in the claims, reference being had to the accompanying drawings in which;—

Figure I is a front view of an ordinary telephone instrument, the transmitter mouth piece of which is equipped with one of my improved disinfectant holding devices. Fig. II is an enlarged, central longitudinal section of the transmitter mouth piece and disinfectant holder. Fig. III is a diagrammatic view of the holder.

Referring more in detail to the parts:—1 designates a telephone instrument, comprising in part, a transmitter mouth piece 2, which, as it is of a construction well known in the art, is not, in itself, claimed as a part of my invention.

3 designates a diaphragm located at the base of mouth piece 2, which is provided with the perforations 4.

5 designates the body of my disinfectant holder, which preferably consists of a glass bulb 6, having a number of perforations 7, and provided with a neck 8 which is adapted for projection into the contracted neck 9 of the mouth piece 2 and is threaded at 9' to receive a socket cap, the bulb body being preferably provided with the tip flanges 10 which extend the effluent ports or perforations 7 out into the chamber of the mouth piece.

11 designates a socket cap which is adapted to receive the end of the bulb neck and is provided with screw threads for receiving the neck thread 9', and is provided with a shank 12 that is adapted for projection through one of the perforations in diaphragm 3 and is threaded at its free end to receive a screw cap 13.

In using the device, the bulb is filled with a disinfectant of a suitable nature and threaded into its socket cap, when latter is applied to the transmitter mouth-piece by projecting the bulb neck into the mouth-piece (which has previously been removed from the instrument) so that the shank 12 will extend through one of the diaphragm perforations. With the parts in this position the cap 13 is screwed onto the threaded end of the shank and tightened against the rear face of the diaphragm so that the parts are all held firmly in the position and relation illustrated in Figs. I and II. The mouth-piece is then returned to the instrument by screwing it into its socket. With the holder so assembled, the effluent from the disinfectant passes through the perforations in the bulb into the transmitter mouth-piece and acts on bacteria which may be deposited therein by persons using the instrument.

When it is desired to refill the bulb it is unscrewed from its socket and after a supply of disinfectant has been placed therein it is returned to the socket, the threaded connection between the bulb and its socket obviating the necessity of unscrewing the transmitter mouth-piece when recharging is necessary.

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

1. A disinfectant holder for telephone transmitters comprising a bulb, having perforations in its body portion, tip flanges surrounding said perforations and extending from the bulb body, a cap on said bulb, having a threaded shank, and a screw cap carried by said shank.

2. A disinfectant holder for telephone transmitters comprising a bulb, having a perforated body and a contracted neck, a cap on said neck, having a threaded shank, and a screw cap carried by said shank.

3. The combination with a transmitter mouth-piece, having a perforated diaphragm,

of a disinfectant holder comprising a perforated body, having an attaching shank adapted for projection through a perforation in said diaphragm, and a keeper on said shank, for the purpose set forth.

4. The combination with a transmitter mouth-piece, having a contracted neck and a perforated diaphragm located in said neck, of a disinfectant holder comprising a perforated bulb, having a neck extended into the neck of said mouth-piece, and an attaching member on said neck having a shank projected through one of the perforations in said diaphragm and provided with a keeper, for the purpose set forth.

5. The combination with a transmitter mouth-piece, having a contracted neck and a

perforated diaphragm located in said neck, of a disinfectant holder, comprising a perforated bulb, having a neck projected into the neck of said mouth-piece, a cap on the bulb neck, having a threaded shank projected through one of the diaphragm perforations, and a screw cap on the free end of said shank whereby said shank is held firmly to the diaphragm, substantially as and for the purpose set forth.

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

FRANK R. BIGLER.

Witnesses:

MYRTLE M. JACKSON,
E. A. CAHILL.