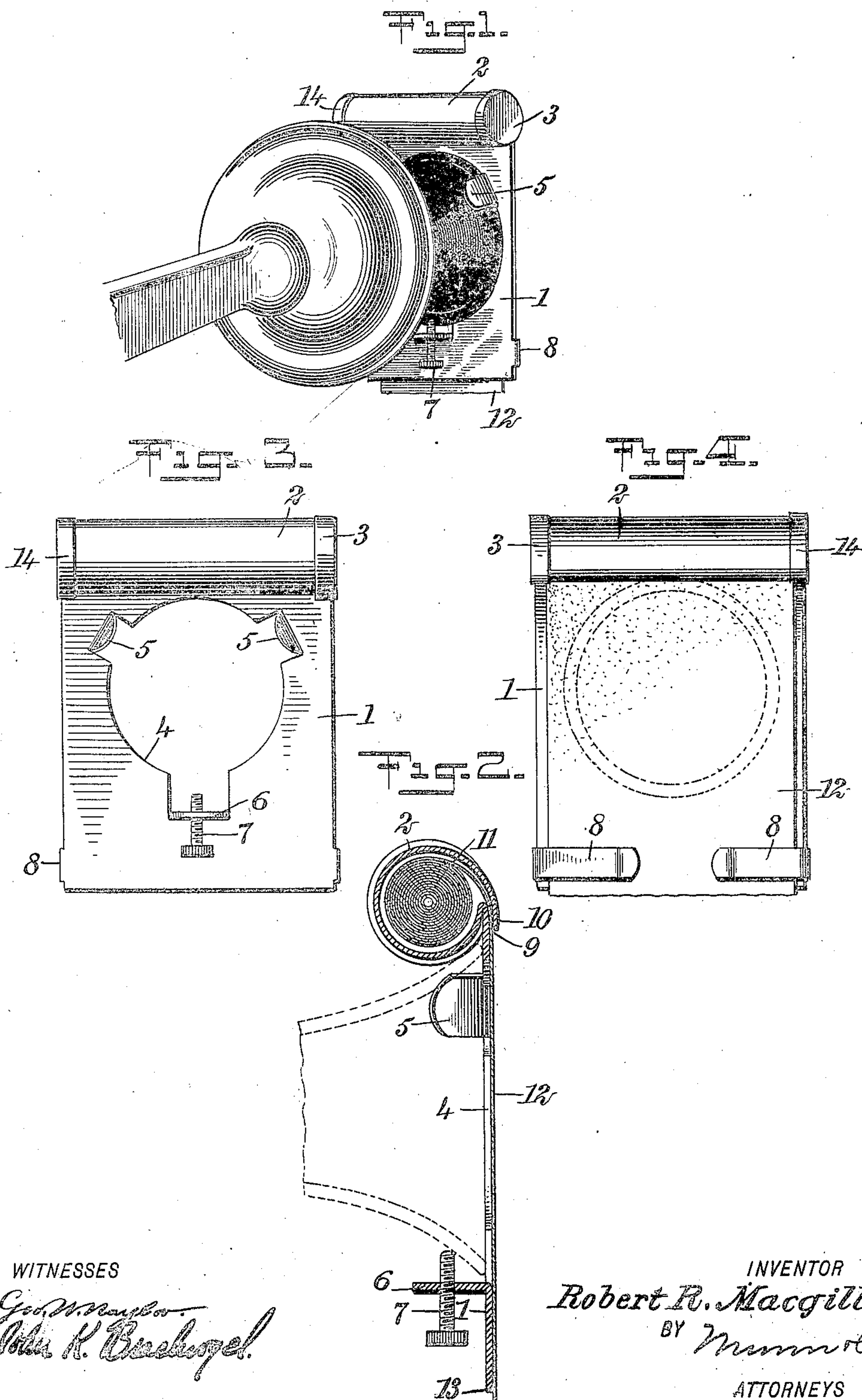


No. 844,949.

PATENTED FEB. 19, 1907.

R. R. MACGILL.  
SANITARY MOUTHPIECE GUARD.

APPLICATION FILED APR. 26, 1906.



WITNESSES

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# UNITED STATES PATENT OFFICE.

ROBERT R. MACGILL, OF BALTIMORE, MARYLAND.

## SANITARY MOUTHPIECE-GUARD.

No. 844,949.

Specification of Letters Patent.

Patented Feb. 19, 1907.

Application filed April 26, 1906. Serial No. 313,838.

*To all whom it may concern:*

Be it known that I, ROBERT R. MACGILL, a citizen of the United States, and a resident of Baltimore, in the State of Maryland, have invented a new and Improved Sanitary Mouthpiece-Guard, of which the following is a full, clear, and exact description.

This invention relates to sanitary guards for mouthpieces, and is especially useful in connection with the mouthpieces of telephone-transmitters.

The object of the invention is to provide a simple and efficient device of this kind which will insure the user of the device protection against disease germs, and which permits the application of new disinfectant material for each user of the device without necessitating the removal of the same from the telephone.

A further object of the invention is to provide a device of this character which can be easily attached to and removed from any telephone-mouthpiece and which is inexpensive to manufacture.

The invention consists in the construction and combination of parts, to be more fully described hereinafter, and particularly set forth in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view from the rear of my invention as applied to the mouthpiece of a telephone-transmitter. Fig. 2 is a vertical cross-section showing the mouthpiece in dotted outlines. Fig. 3 is a rear elevation of the device, and Fig. 4 is a front elevation of the same.

Referring more particularly to the drawings, I provide a shield 1, which may be formed from a properly-stamped blank of sheet-brass or other suitable material. The upper portion of the shield is formed into a tubular holder 2, for a purpose to be described hereinafter. One end of this tubular holder is closed by a cap 14, soldered or otherwise secured in place, while the other end is provided with a removable cap 3. In the shield is an opening 4, preferably circular in form and slightly smaller in diameter than the opening of the telephone-mouthpiece. In the edges of this opening are formed lateral fingers 5 and a lug 6. The fingers are bent rearwardly and are provided for the purpose of engaging with the edge of the mouthpiece of the telephone. The lug 6 is also bent rear-

wardly and is provided with a set-screw 7 in a properly-threaded opening, by means of which the shield may be securely attached to the mouthpiece. The shield 1 is provided with lateral extensions near the lower extremity thereof, which are bent back upon it to form clips 8, for a purpose to be described hereinafter.

Within the tubular holder 2 is located a roll 11, of parchment paper or other suitable material, which may be impregnated with a suitable disinfectant chemical. One end 12 of this sheet of disinfected material is passed through a slot 9, formed between the shield and the edge 10 of that section thereof which is formed in the tubular holder and which projects slightly over the shield. The sanitary material 12 lies adjacent to the shield and covers the opening 4, which registers with the opening of the mouthpiece and is retained in position against the shield by being passed under the clips 8. The material composing the roll in the holder may be of paper or other suitable substance and may be in one continuous strip or divided into sections by spaced lines of transverse perforations, which facilitate the removal of portions thereof. If so desired, it may be in separate sheets.

It will be understood that the interposition between the mouth of the speaker and the receiving apparatus of the telephone of a thin sheet of paper will not interfere with the transmission of the sounds and that this intermediation of the sanitary material will afford sufficient protection against disease germs which may have become secreted around the mouthpiece. It is intended that each user of the instrument before beginning shall pull down upon the sanitary material, and thus draw an unused section over the opening, tearing off the section employed by the last user of the instrument against the lower side 13 of the shield, which may be given a cutting edge to facilitate this. It will of course be preferable to impregnate the sanitary material with a disinfectant substance; but this is not absolutely necessary, as parchment paper, for instance, would itself afford sufficient protection of this character.

It will of course be understood that when one roll is used up it will be very easy to provide the device with another roll by removing the cap 3, placing the roll in the holder with an end in the slot 9, and then drawing



this end downward and passing it beneath the clips 8. The cap 3 is then replaced and the device is ready for use.

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

1. In a device of the class described, a plate having an opening, means for securing the plate in position upon a mouthpiece, one edge portion of said plate being bent to form a cylindrical housing for a roll of sanitary material, removable caps upon the end of said housing and means for securing an end of said sanitary material to said plate.

2. In a device of the class described, a shield having an opening, a tubular roll holder formed integral with said shield and having a slot and a removable cap, and a re-

movable roll of sanitary material within said holder, a section of said material projecting from said slot to extend over said opening, said shield having lateral extensions formed into clips to hold said section against said shield, and said shield further having lateral fingers formed at the edge of said opening adapted to attach to a mouthpiece, one of said fingers being provided with an adjustable set-screw.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ROBERT R. MACGILL.

Witnesses:

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