

A. BEBOUT.
 TELEPHONE MOUTHPIECE.
 APPLICATION FILED MAR. 29, 1909.

957,404.

Patented May 10, 1910.

Fig. 1.

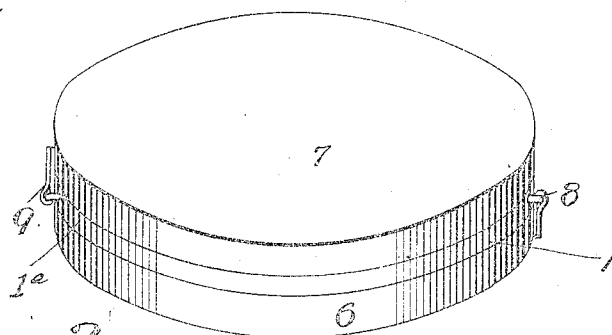
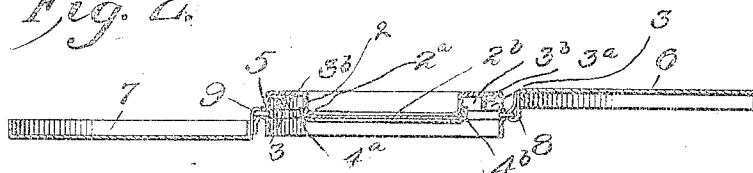


Fig. 2.



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UNITED STATES PATENT OFFICE.

ANNA BEBOUT, OF ST. LOUIS, MISSOURI.

TELEPHONE-MOUTHPIECE.

957,404.

Specification of Letters Patent. Patented May 10, 1910.

Application filed March 29, 1909. Serial No. 486,621.

To all whom it may concern:

Be it known that I, ANNA BEBOUT, a citizen of the United States, and resident of St. Louis, in the State of Missouri, have
5 invented certain new and useful improvements in Telephone-Mouthpieces, of which the following is a specification.

This invention relates to improvements in individual mouthpieces for telephone
10 transmitters.

The main feature which characterizes my invention resides in the production of a practical and efficient independent portable mouthpiece for telephones, adapted to be
15 opened and removably applied to telephone transmitters of different sizes, and when not in use, readily reduced to compact form, so that the said mouthpiece can be conveniently carried by the user thereof.

20 A further object of the device is to have it enter into such relation to the fixed transmitter of a telephone that when applied thereto, it will remain securely in position and close the space within the fixed transmitter, so that the barrier used to prevent
25 transmission of contagion may, if desired, be in the form of an impervious diaphragm such as mica or other thin vibratory material; also to so construct the device that
30 when an impervious diaphragm is used, it will transmit vibrations of the voice to the column of air within the fixed receiver, and through said column of air to the transmitting diaphragm of the telephone.

35 A still further object of my invention is to provide a plurality of mouthpiece receiving cavities of different diameters, so that the device will fit different sized mouthpieces.

40 Referring to the drawings, which form part of my specification, Figure 1 is a perspective view showing the closed position; and Fig. 2 is an axial section, showing the open position of the preferred form of my
45 invention.

The preferred embodiment of my invention comprises an annular frame 1, having an inner wall 2 and an outer cylindrical wall 5, leaving a recess between the two
50 walls. Within this recess, the annular flanged member 3^a is secured, whereby the cavities 3 and 3^b are formed. The outer cavity 3 is constructed and arranged to receive the end of an existing transmitter of
55 a standard telephone, which will fit snugly between the flanged member 3^a and the

cylindrical wall 5. In many instances, however, the periphery of the transmitter is slightly smaller than this cavity, and in order to overcome this objection, I have
60 formed the aforementioned cavity 3^b, which is adapted to receive and engage the end of a transmitter, which is smaller than the standard size. It will be understood that this mouthpiece may be constructed so that
65 the inner recess 3^b will be the exact size of the standard telephone transmitter, while the outer recess 3 will engage a transmitter that is larger than the standard. The wall 2 terminates in an inwardly projecting lip
70 2^a upon which rests an impervious diaphragm of mica or other suitable vibratory material 2^b, while a ring 4^a fits over the wall 2, and has an inturned lip or flange 4^b that holds the diaphragm 2^b firmly in position.
75 so that it may act as a vibratory body to transmit vibrations of the voice to the column of air confined within the fixed transmitter and through said body of air to the transmitting diaphragm of the instrument.
80

Hinged preferably at diametrically opposite points 8 and 9 upon the frame 1, are covers 6 and 7, adapted to fit over the frame
1 in such a manner as to close the frame
85 and protect the diaphragm from foreign matter or injury. These covers are held in closed position by fitting tightly upon the frame and they are preferably made to seat against a surrounding bead 1^a on the
90 outer wall 5, which separates the edges of the covers when they are in closed position.

What I claim as my invention and desire to secure by Letters Patent is.

1. A telephone attachment comprising an annular frame having inner and outer
95 annular walls with a space between said walls, the outer annular wall being adapted to fit over and embrace a telephone mouth piece of one diameter and the inner annular wall being adapted to fit over and embrace a
100 telephone mouth piece of a lesser diameter.

2. An attachment for telephones comprising an annular frame having inner and outer annular walls, with a space between them, a flanged member secured within said space
105 and dividing it into a plurality of transmitter receiving recesses adapted to receive an annular portion of different sized transmitters, said inner wall being constructed with a lip; a diaphragm supported on said
110 lip; and a ring fitting said inner annular wall and also constructed with a lip over-

lapping said diaphragm and holding it to said wall.

3. An attachment for telephones comprising an annular frame having inner and outer walls extending both on the same side of said frame and having a space between them to receive the mouth piece of an existing telephone; the inner wall being provided with a ring fitted thereto; a diaphragm secured between said inner wall and ring; and covers suitably fitted to the outer wall and closing the opposite sides of the frame.

4. An attachment for telephones comprising an annular frame constructed with inner and outer walls, and with a space between said walls adapted to receive the mouth piece of an existing telephone, a ring fitted to the inner wall, a barrier or diaphragm secured between said ring and inner wall, and covers hinged to the outer wall and swinging in closing relation to opposite sides of the frame.

5. An attachment for telephones comprising an annular frame constructed with inner and outer walls, and with a space between said walls adapted to receive the mouth piece of an existing telephone, a ring fitted to the inner wall, a barrier or diaphragm secured between said ring and inner wall, and covers

hinged to the outer wall and swinging in closing relation to opposite sides of the frame, said outer wall being provided with a surrounding bead against which the covers seat.

6. An attachment for telephones comprising a frame, spaced inner and outer walls secured to said frame, and a flanged member arranged between said walls, whereby a plurality of cavities will be formed between said walls, said cavities adapted to receive different sized mouthpieces of existing telephone transmitters.

7. A telephone attachment comprising an annular frame having spaced inner and outer walls, a flanged member secured to said frame, and dividing the space between the inner and outer walls into a plurality of recesses, each recess adapted to receive a transmitter of a different size, a barrier supported by the inner wall, and an annular ring fitting said inner wall and holding the barrier thereon.

Signed at New York city in the county of New York and State of New York this 18th day of November A. D. 1908.

ANNA BEBOUT.

Witnesses:

ERNEST C. WEBB,
E. F. PIKE.