To all whom it may concern:

Be it known that I, JAY LITT, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Muffler Attachments for Telephones, of which the following is a specification.

My invention relates to improvements in muffler attachments, for telephones, the object of the invention being to provide a simple, cheap, and durable device which may be placed on the transmitter of any telephone, and which will prevent others in the room from hearing the conversation, while on the other hand, increasing the volume of sound for the transmitter, so that it is necessary for the speaker to use but ordinary conversational tones to be readily understood.

A further object is to provide a devise of this character which has a spring clamp to hold itself in position on the transmitter, which is provided with an improved arrangement of removable ends, rendering the device entirely sanitary as it may be readily cleaned, and provide in the device, a wall or lining of fiber which overcomes any tendency of the sound to vibrate through the walls of the device.

A further object is to provide an improved device of this character which will conform to the position of the face of the user so that he may use the device with equal comfort with the telephone at any angle.

With these and other objects in view, the invention consists in certain novel features of construction and combinations and arrangements of parts as will be more fully hereinafter described and pointed out in the claims.

In the accompanying drawings: Figure 1 is a view in longitudinal section illustrating my improved device in position on the transmitter of an ordinary desk telephone. Fig. 2 is a view in cross section on the line 2-2 of Fig. 1. Fig. 3 is a view of one end of the device, and Fig. 4 is a similar view of the other end of the device.

1 represents a standard of an ordinary desk telephone, and 2 the ordinary conical transmitter. My improved muffler comprises a casing 3 preferably cylindrical in form and having at its respective ends, rings 4 soldered or otherwise permanently fixed to the ends of the casing.

The rings 4 are each provided with screw-threaded extensions 5 to engage screw-threaded ends 6 and 7 respectively. The end 6 is formed with an opening 8, and around this opening 8, a curved spring 9 is secured to the end 6. The ends of the clamp are free as shown at 10 to allow the clamp to readily position itself on the transmitter.

The clamp longitudinally of the device is inclined as shown clearly in Fig. 1 to conform in shape to the shape of the transmitter, and when positioned on the transmitter, the clamp will securely bind and constitute the sole supporting means for the muffler.

The end 7 is provided with a central opening 11 in which a mouth piece 12 is secured. The mouth piece 12 is circular at its point of juncture with end 7, and gradually changes its shape to that of an ellipse at its outer end with the upper and lower walls of the ellipse curved so as to snugly fit against the face of the user.

The head 7 is provided around the mouth piece 12, with a series of relatively small openings 13 which allow the air to escape, and prevent pressure or vacuum within the device.

Within the casing 3, I locate a strip 14 of non-conducting material preferably fiber, which is given a curvature and slit within the casing so that the elasticity of the strip holds the same snugly against the inner face thereof.

In the ends 6 and 7, I locate rings 15 of non-conducting material, and hence provide this additional means for preventing the escape of sound. While the disks 15 snugly fit the ends, the juncture is not air tight, hence a certain amount of air can pass through the perforations 13.

In operation, the speaker places his face close to the mouth piece 12 and speaks directly into the same. Using ordinary conversational tones, his voice cannot be heard in the room, yet can be distinctly understood over the telephone.

The spring clamp 9 allows the device to be readily positioned on any telephone without in any way marring or injuring the telephone. Furthermore, the clamps slide freely around the transmitter, so that the operator can grasp the telephone standard 1 and hold it at any angle, as the muffler 110 will turn on the transmitter, and insure the proper positioning of the mouth piece rela-
tive to the face regardless of the angle of the standard.

The several parts of my improved device may be made of metal, hard rubber, glass, or any suitable material, and hence the invention is not limited to the material employed.

Various slight changes might be made in the general form and arrangement of parts described without departing from my invention, and hence I do not limit myself to the precise details set forth, but consider myself at liberty to make such changes and alterations as fairly fall within the spirit and scope of the appended claims.

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

1. In a device of the character described, the combination with a cylindrical casing, of rings secured on the ends of the casing and having screw-threaded extensions appreciably smaller in diameter than the casing, removable ends screwed onto said rings, one of said ends having an opening therein, and a mouth piece secured to the end and communicating with the opening, the other of said ends having an opening therein, and a spring clamp secured to the end around the opening, said spring clamp having its ends free, substantially as described.

2. In a device of the character described, the combination with a cylindrical casing, of rings secured on the ends of the casing and having screw-threaded extensions appreciably smaller in diameter than the casing, removable ends screwed onto said rings, one of said ends having an opening therein, a mouth piece secured to the end and communicating with the opening, the other of said ends having an opening therein, and a spring clamp secured to the end around the opening, said spring clamp disposed at an angle to the end and having its ends free, and a lining of non-conducting material fitting the casing and the ends, one of said ends having perforations therein, substantially as described.

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

JAY LITT.

Witnesses:

D. JACK LITT,
CHAS. E. POTTS.