Nov. 10, 1925.

1,561,345

V. T. MILLER

TELEPHONE ATTACHMENT

Original Filed March 27, 1922

Fig. 1.

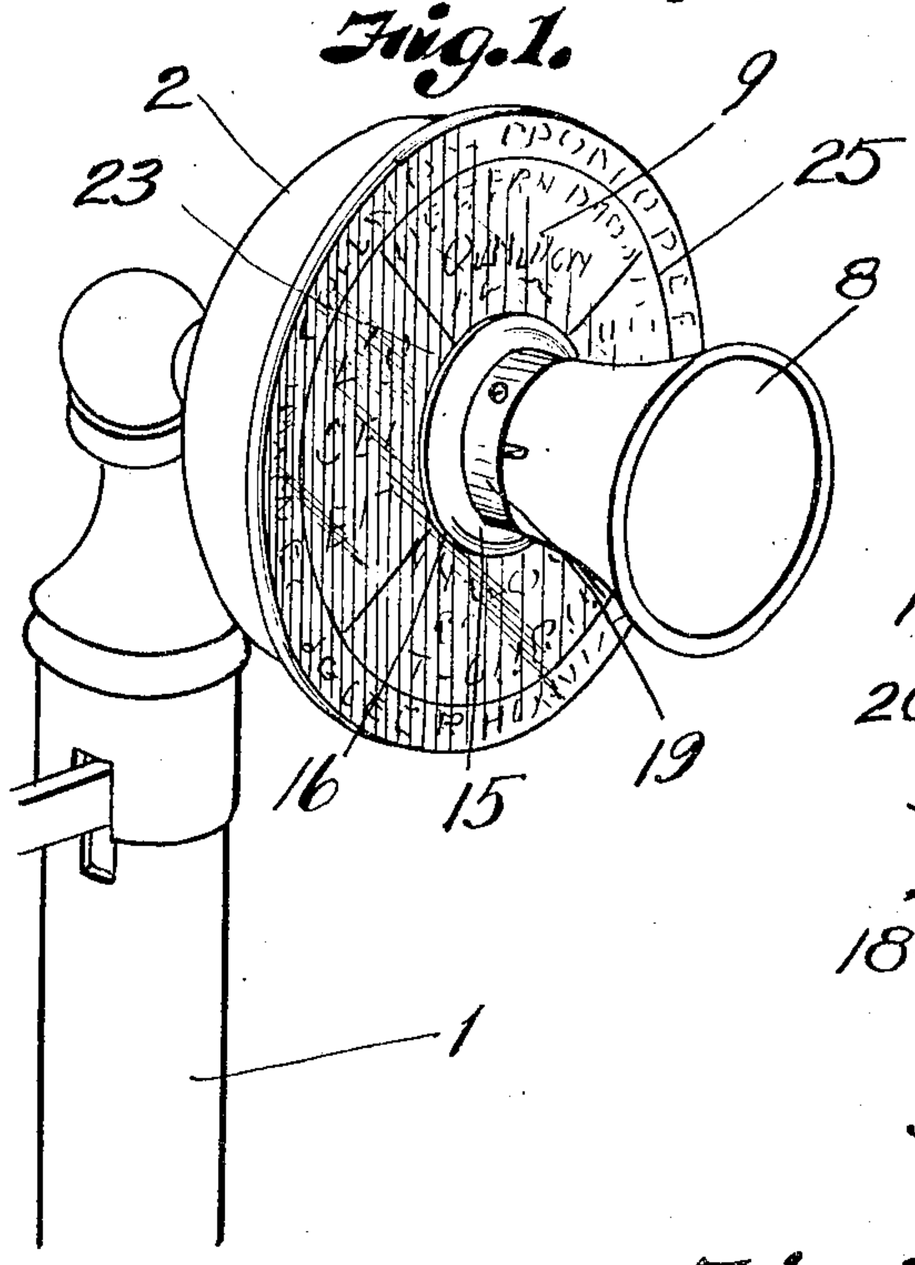


Fig. 2.

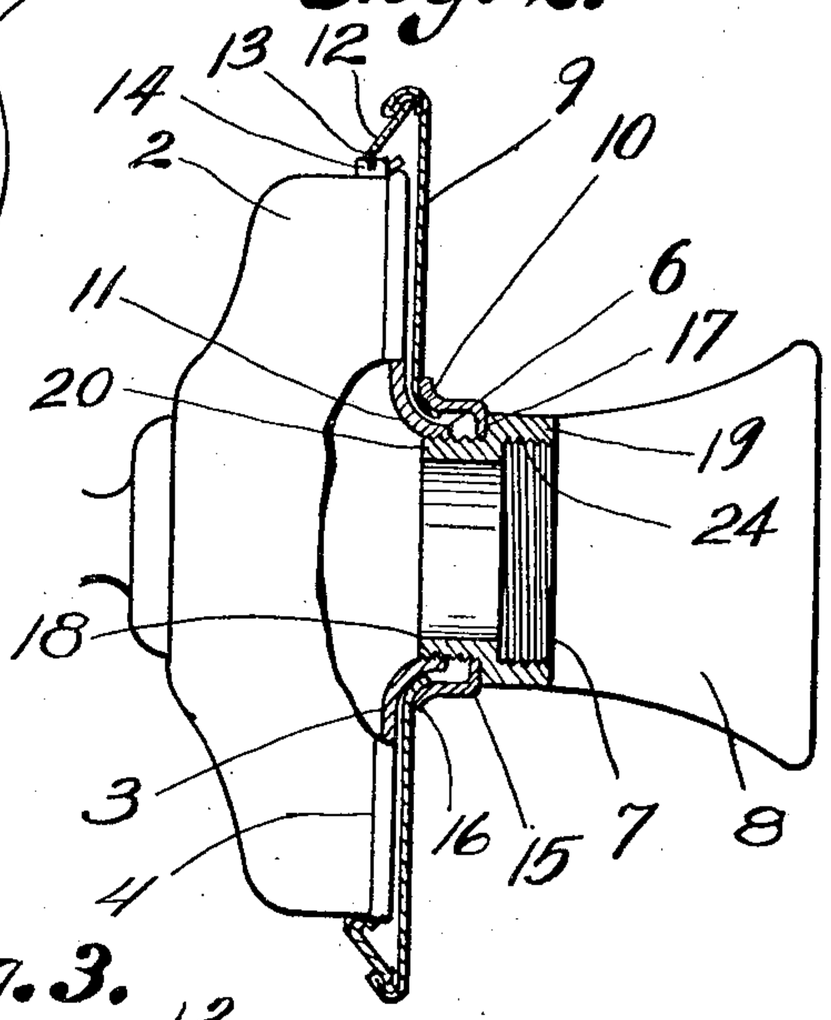


Fig. 3.

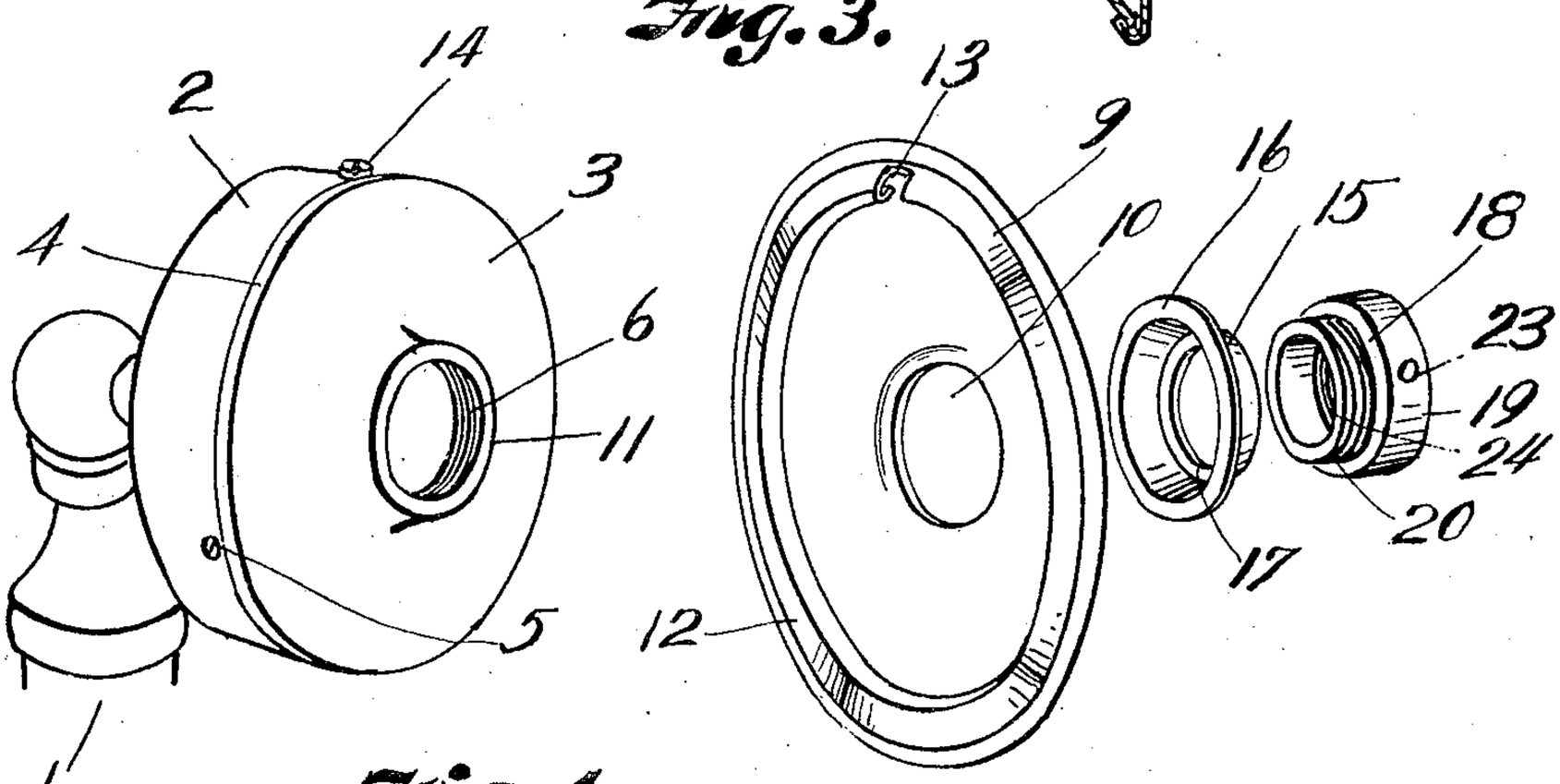
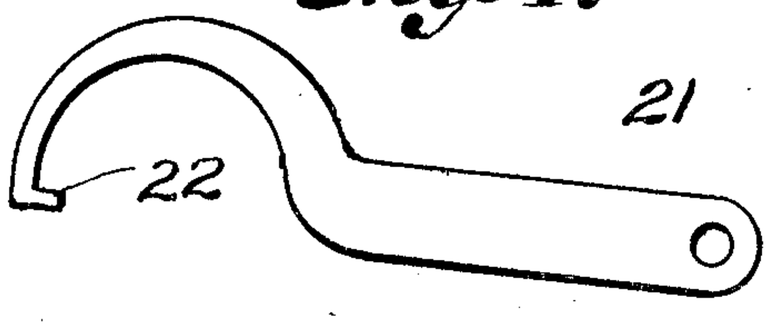


Fig. 4.



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UNITED STATES PATENT OFFICE.

VOLNEY T. MILLER, OF KANSAS CITY, MISSOURI, ASSIGNOR TO AMERICAN TELEPHONE ADVERTISING COMPANY, OF KANSAS CITY, KANSAS, A CORPORATION OF KANSAS.

TELEPHONE ATTACHMENT.

Application filed March 27, 1922, Serial No. 547,174. Renewed April 10, 1925.

To all whom it may concern:

Be it known that I, VOLNEY T. MILLER, a citizen of the United States, residing at Kansas City, in the county of Jackson and State of Missouri, have invented a certain new and useful Improvement in Telephone Attachments, of which the following is a specification.

This invention relates to a telephone attachment to be applied as a part of a telephone transmitter and to be secured thereto without materially altering the existing construction of the telephone.

The attachment comprises an indicia-carrying member and means for securing it to the telephone.

Existing telephone outfits each comprise a base, a standard, a telephone transmitter carried thereby consisting of a sound box or casing and transmitter mouthpiece, and the usual hook upon which the receiver is hung. The sound casing presents considerable space on which indicia may be placed but such space is not available on account of the objections raised by the telephone companies for tampering with their apparatuses.

I have provided means whereby a suitable indicia-carrying disk can be attached to the front of the sound box and secured thereto by means fastened to the edges of the mouthpiece-receiving opening, and the particularly novel manner by means of which the attachment is made will be apparent by reference to the following description in connection with the accompanying drawings, in which

Fig. 1 is a perspective view of the upper portion of a telephone outfit of known construction to which my invention is applied.

Fig. 2 is a view partly in elevation and partly in section through the upper portion of the telephone outfit to which the invention is applied.

Fig. 3 is a disassociated view of the upper portion of the telephone outfit, the indicia-carrying disk and the means for securing it to the sound box or casing, and

Fig. 4 is a detail view of a spanner wrench adapted to be used in connection with the invention.

Referring now to the drawings by numerals of reference:

1 designates the post or standard of a telephone outfit to which is pivotally secured the sound box or casing 2, having a front cover 3 with a flange 4 secured to the box or casing by the screws 5. The cover 3 is provided with a threaded central opening 6 to normally receive the threaded end 7 of the mouthpiece 8.

The structure thus far described is part of every telephone outfit generally employed.

The indicia-carrying disk 9 is provided with a central opening 10, adapted to fit over the outstanding edge or flange 11 surrounding the opening 6. The disk is provided with an inturned bead 12, which may be held to the periphery of the disk 9 by bending over the edges thereof or by any other appropriate manner. The bead may consist of a ring, and provided in the edge thereof is a notch 13 adapted to be engaged by a stop 14. The stop may be an elongated screw substituted for one of the screws 5, as shown in Fig. 3. Since the bead 12 is greater in diameter than the cap 3, it is obvious that the bead may fit over the cap so that the notch 13 will be engaged by the pin 14 to prevent turning thereof with respect to the sound box or casing 2.

In order to clamp the edge of the opening 10 about the outstanding portion or flange 11 I provide a sleeved collar 15, having a base flange 16 to rest against the disk 9, as clearly shown in Fig. 2, the collar having an inturned flange or edge 17 against which the shoulder 18 on the clamping ring 19 may abut. The inner threaded end 20 of the ring 19 may pass through the opening 10 and into the opening 6, engaging the threaded edge thereof so that the parts can be secured together by turning the ring with a suitable tool as, for example, a spanner wrench 21, having a tooth 22 to engage in the hole or opening 23 in the ring 19.

The outer end of the ring 19 is provided with internal threads 24 to receive the threaded end 7 of the mouthpiece 8. Therefore, when the ring 19 is secured in place to hold the sleeve 15 in contact with the disk 9 and the mouthpiece is screwed into the threaded portion 24, as shown in Figs. 1 and 2, the parts will be assembled, ready for use.

The disk will be held against outward movement and the engagement of the stop pin 14 with respect to the notch 13 will prevent rotative movement of the indicia-carrying disk. Therefore, when the disk is properly located, it will be held against relative movement with respect to the telephone

sound box and it will present its indicia-carrying face 25, which may be divided into separate panels or spaces to carry suitable indicia, such as information or advertising matter. The finished assembly will present the appearance as illustrated in Fig. 1.

The purpose of using the spanner wrench is to screw the ring in place to serve as a lock nut so that the disk cannot be surreptitiously removed and unless a spanner wrench similar to that shown in Fig. 4, or other appropriate tool is available, there will be considerable difficulty encountered in removing the ring 19 to take off the disk so that unauthorized removal of the disk will be made difficult.

What I claim and desire to secure by Letters-Patent is:

1. In combination with the sound box of a telephone transmitter, a stop pin carried thereby, a disk having a rim overlapping the edge of the sound box and provided with a notch engaged by the stop, the disk having a central opening co-axial with the opening in the sound box, and means for clamping the disk about the edge of the opening in the sound box, said means also serving as a support for the mouthpiece of the telephone transmitter.

2. In combination, the sound box of a telephone transmitter provided with a central opening having internal threads in the edge thereof, a disk for contact with the sound box and having an opening co-axial with the opening in the sound box and of greater diameter than the first named opening, a clamping sleeve about the first and second mentioned openings, a clamping ring for engagement with the threads surrounding the opening in the sound box, said ring having an internally threaded end, and a telephone mouthpiece engaging the threaded end.

3. In combination, a telephone transmitter sound box having a central opening, the wall of the sound box surrounding the opening having internal threads, a disk having a central opening and lying against the sound box, a clamping ring engaging the internal threads of the sound box and provided with a shoulder, a sleeve interposed between the shoulder and the disk, and a mouthpiece connected to the clamping ring.

4. In combination, a telephone transmitter sound box having a central opening, the wall of the sound box surrounding the opening having internal threads, a disk having a central opening and lying against the sound box, a clamping ring engaging the internal threads of the sound box and provided with a shoulder, a sleeve interposed between the shoulder and the disk, a mouthpiece connected to the clamping ring, and means for preventing rotation of the disk with respect to the sound box.

5. A telephone attachment comprising a disk having a central opening and an inwardly extending, peripheral bead having a notch for engagement with a stop in the sound box of a telephone, a sleeve having an opening coinciding with the central opening in the disk, and a clamping ring having external threads at one end and integral threads at the other, the externally threaded end projecting through the sleeve and the opening in the disk to engage the sound box of the telephone and the internal threads of the ring being adapted to be engaged by the mouthpiece of the telephone transmitter.

6. A telephone attachment comprising a disk having a central opening to coincide with the mouthpiece receiving opening in the telephone transmitter sound box, a clamping ring having an externally threaded end to project through the opening in the disk and engage in the opening in the sound box, a clamping sleeve between the clamping ring and the disk, and internal threads on the ring for engagement with the mouthpiece of a telephone transmitter, said ring having a spanner wrench engaging opening in the periphery thereof.

In testimony whereof I have signed my name to this specification.

VOLNEY T. MILLER.