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SUPPORT FOR TELEPHONE HEAD-SETS

Filed March 25, 1932

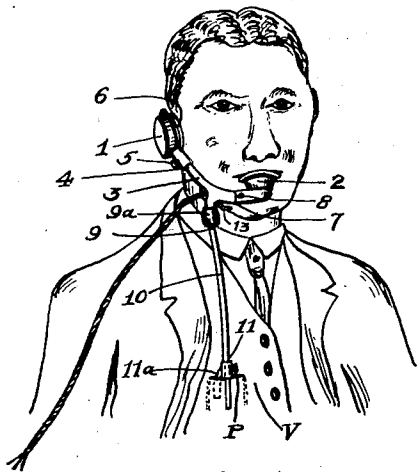


Fig. 1

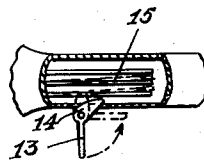


Fig. 4

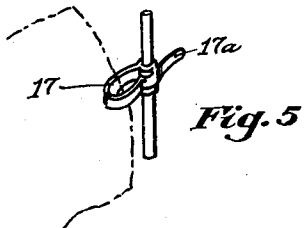


Fig. 5

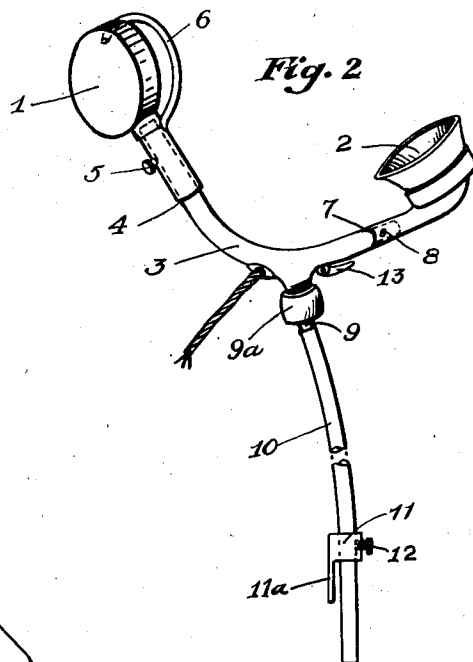


Fig. 2

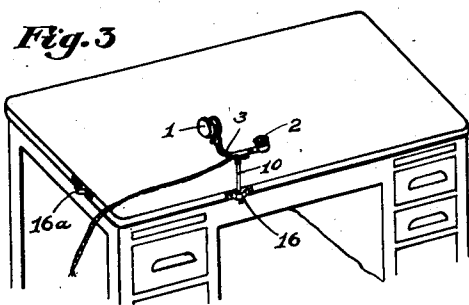


Fig. 3

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SUPPORT FOR TELEPHONE HEAD-SETS

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The invention hereinafter to be described relates, in general terms, to telephones but deals more specifically with the supporting elements for head-sets which may also be employed for desk telephone service.

The novelty in the invention resides principally in the frame member to which are attached the receiver and transmitter for the telephone, and in the main support which is attachable to some portion of the clothing of the telephone user.

I am aware of the fact that, heretofore, various kinds of telephone head-sets have been devised, but in most instances they have been designed more particularly for those whose occupation has required more or less constant use of the telephone for protracted periods—such for instance, as telephone exchange operators.

The attaching and supporting elements in some of these just mentioned head-sets are of such character as to preclude the possibility of employing them for intermittent service as they are replete with straps, bands and buckles and their mounting on the person requires considerable time and effort.

The primary object of the present invention is to supply an operative telephone which may be attached to the head of the person and properly supported elsewhere so that conversation over the telephone may be carried on while the two hands of the person are left free and unencumbered to perform any duty which generally devolves on and requires the use of both hands—such as referring to books, examining papers and taking down notes, incident to the conversation taking place.

A specific object of my invention concerns its adaptability for being quickly attached and detached from the person, so as to make the device applicable for business men who occasionally carry on long conversations over the telephone, but do this intermittently. A head-set which involves more or less time and labor to attach it to his body would not serve a useful purpose in the foregoing instance.

The character of the invention may best be understood by reference to the description

found in the following specification when taken in connection with the accompanying drawing in which is disclosed an embodiment which, at the present time, I consider preferable to other possible forms in which the invention might be carried out.

In the drawing,—

Fig. 1 illustrates the device mounted on a person;

Fig. 2 is a perspective view of the apparatus;

Fig. 3 shows the head-set mounted on a desk;

Fig. 4 is a detail illustrating the lever which opens and closes the electric circuit through the telephone, and

Fig. 5 shows an alternate method of attaching the apparatus to the clothing of a person.

Similar reference characters are employed to identify like parts in all views of the drawing.

Referring to the drawing, 1 and 2 represent, respectively, the receiver and transmitter elements of the telephone, interconnecting which elements is a frame 3 telescopically jointed at 4 for the purpose of providing adjustability between the telephone elements—the screw 5 securing the two parts together. The joint at 4 is also revoluble.

Near the upper end of the frame is a hook 6 curved rearwardly to engage the ear of the person, somewhat after the manner of a spectacle bow, the receiver lying outwardly adjacent.

The frame is bent to approximately conform to the face of the person and its lower branch, on which is mounted the transmitter, is provided with a revoluble joint connection at 7 with a screw 8 to prevent rotation of one part on the other, the object of this joint being to make the device two-handed,—that is, either right or left, so that it may be used on either the right or left ear of the person, with respect to the receiver, the angle at which the transmitter is presented to his mouth requiring this adjustability.

Depending from and connected with the frame 3 preferably by a globe or universal joint 9, is a standard 10, and slidably mounted

on this standard is a collar 11 having a downwardly extending prong 11a, the collar being provided with a set screw 12 so that it may be positioned in various vertical positions on the standard.

A small lever 13 integral with the cam arm 14 operates the circuit switch 15 which is associated with the usual wiring arrangement of a telephone, and by this switch the telephone is placed in either open or closed circuit.

Fig. 1 represents the telephone head-set mounted on the head of a person, the hook 4 arranged to hang on his ear, inside the helix thereof, and the receiver located in contiguous relation thereto. By making adjustments at 4 and 7 the transmitter may be properly positioned with respect to the user's mouth and the standard 10 brought to bear lightly on his clothing, as for instance, his vest, V, with the prong 11a on the collar 11 entering the vest pocket P. When the standard 10 is properly located, the nut 9a on the globe joint 9 is tightened. Once the parts are located no further manipulation of the adjusting elements is required unless the telephone is used by others who desire a different positioning of the parts. The tightening of the nut 9a may be done in such a manner that more or less flexibility is given the apparatus in case the user wishes to turn his head in either direction.

When the head-set forms a desk equipment, socketed brackets 16 are employed, the standard 10 fitting the socket and positioning the telephone as a fixed instrument, the user bringing his head forwardly when conducting a conversation, his hands being free and available for service in whatever application is made of the telephone. Another cleat, 16a, may be provided in which to store the telephone when not in use.

When a vest pocket is not available to the telephone user in which to support the standard 10, the arrangement shown in Fig. 5 may be employed. It comprises a double-jaw clamp 17 fixed on the standard and opened or closed by the handle 17a; the coat or other portion of the user's clothing is grasped by the clamp for the purpose of supporting the standard.

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

1. A support for telephone head-sets comprising in combination with a receiver and a transmitter, a frame, including an inclined portion telescopically connected to said receiver and a horizontal portion revolvably connected to said transmitter, means to prevent outward displacement of the receiver from the user's ear, a standard jointedly connected to and depending from said frame, and means adjustable to different positions on said standard adapted to engage portions of the

user's clothing and partially support said head-set.

2. A support for telephone head sets having a receiver and a transmitter, comprising a frame connecting with said receiver and said transmitter, a telescoping joint on said frame adapted to provide adjustably between said receiver and said transmitter, a hook on the upper portion of said frame adapted to engage the ear of the user of said head-set, said hook being inwardly of and contiguous to said receiver, a standard depending from said frame, a collar on said standard, and a prong on said collar adapted to engage the pocket in the clothing of the user of said head-set.

In testimony whereof I affix my signature.

FRANK D. VARTANIAN.