

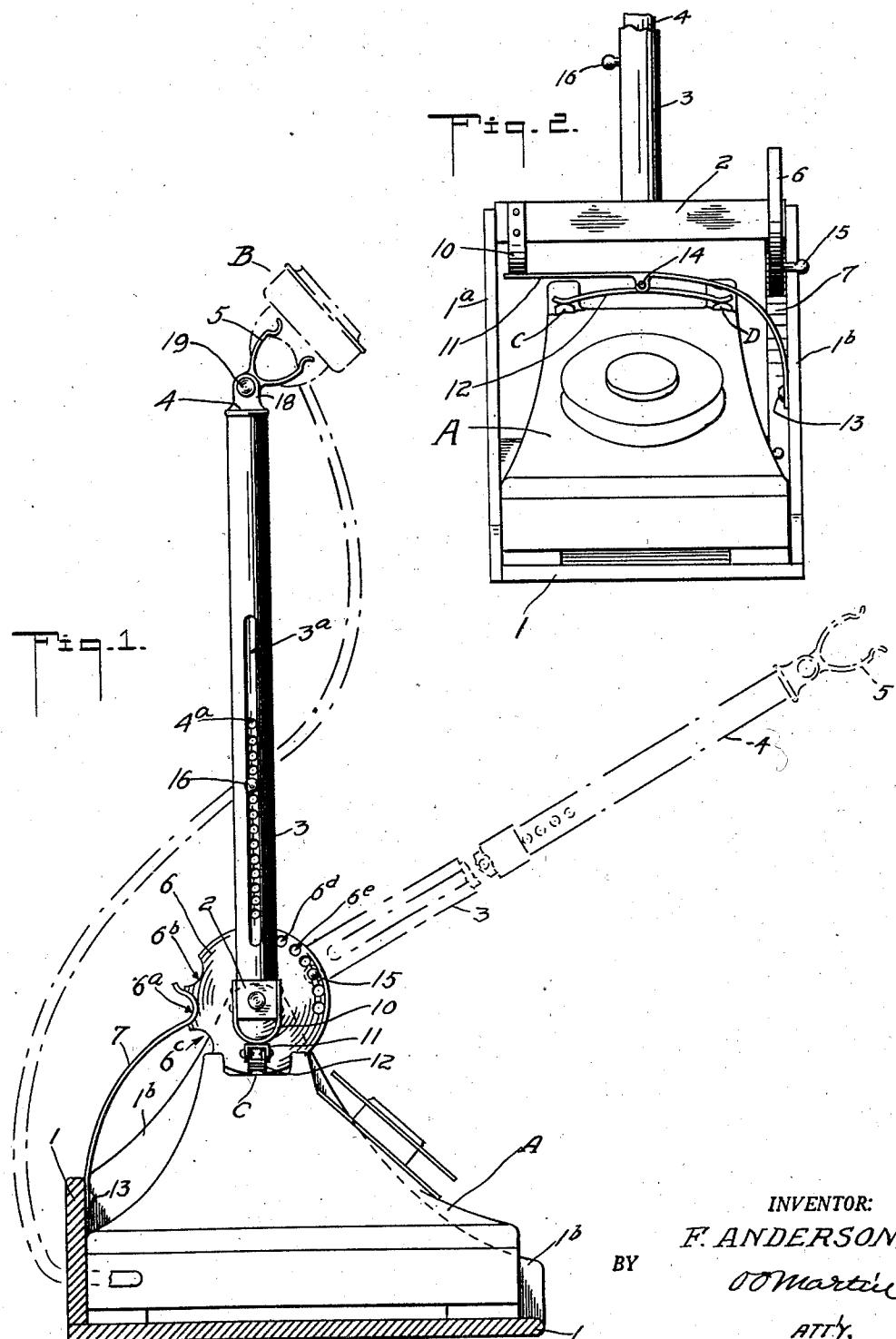
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TELEPHONE RECEIVER SUPPORT

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TELEPHONE RECEIVER SUPPORT

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This invention relates to telephone instruments and has particular reference to supporting means for the transmitter-receiver of such instruments.

In modern telephones, this part of the instrument (which for convenience hereinafter is referred to as the receiver) is removed from the instrument and held in position relative to the mouth and ear by one hand, and this is a great improvement over older types of instruments, where the mouth of the user had to be kept close to the fixed mouthpiece of the telephone.

There are, however, numerous cases where mechanical means for supporting the receiver is urgently needed in order to free both hands for other necessary operations and the present invention is directed to such mechanical supporting means.

To this end, the invention resides in the combinations fully set forth in the following detailed description and drawings are hereto appended in which a preferred form of the invention is illustrated.

In the drawings:

Fig. 1 is a side elevational view of a device embodying the invention;

Fig. 2 is a substantially corresponding front view of the device.

The structure of my invention, in the form illustrated in the drawings, comprises a support, or cradle 1, which is open at the front to receive the type of telephone instrument A, now generally used. The side frames 1^a, 1^b of the cradle rise above the instrument to receive and pivotally to support a cross member 2, from which rises a tubular post 3. A stem 4 is seated to slide within this post and it is at the top fitted to support the receiver B of the instrument, as by a socket member or clamp 5.

A circular plate 6 is rigidly secured to one end of the cross member 2, and it is shown made with a notch 6^a which is shaped to receive the upper end of a detent 7. The latter is adapted yieldingly to maintain the post and stem in the upright position indicated in the drawings. Experience has taught me that this upright position is preferable while the telephone is not in use because the device then is in the most convenient, out of the way position. But the position may, of course, be somewhat modified by adding other notches 6^b, 6^c, should such adjustment be desired.

A cam 10 is secured to the cross member 2 for contact with a resilient frame 11, and the latter is shown fitted with a bar 12 which, in turn, normally maintains the telephone switch buttons C,

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D depressed while the device is held in the upright position shown.

The device of the invention should be placed in the position most convenient to the person who wishes to use the telephone, and all that he is required to do in order to make use thereof is to swing the tubular post forward until the receiver B reaches the desired position relative to the mouth and ear of the user.

10 It is noticed that a series of perforations or sockets 6^d, 6^e, etc., are made in the plate 6 close to the periphery thereof, and that a plug is seated in one of these sockets. This plug comes to a stop against the edge of the side frame 1^b to maintain the receiver support in the desired position.

15 Once the operator has determined which position suits him best, the plug 15 may remain permanently seated in the corresponding socket, and it may be shifted to a different socket whenever change of position is desired.

20 The cam 10 is so shaped as to permit the switch buttons C, D to rise in the instrument casing when the receiver support is swung forward into operating position, and it again depresses the buttons when the support is returned to upright position. The resilient member 11 is shown fastened to the instrument side frame 1^b at 13, and the bar 12 may be pivotally secured to the member 11 at 14 in order to equalize the pressure 25 against the two buttons C, D.

30 It is noticed that the tubular post is made with a slot 3^a, and that a series of perforations or sockets 4^a etc. are provided in the stem 4. When not in use, the stem may be held fully retracted 35 within its support and, when the post is swung forward, as aforesaid, it may be drawn forward into any desired position, whereupon a plug 16 may be seated in the socket 4^a which is closest to the upper end of the slot 3^a. When so seated, further accidental withdrawal is prevented. When the post is returned to its upright position, it is seen that the stem will slide back into its fully retracted position.

45 The combinations and features above described are merely illustrative of a convenient manner in which the device of the invention may be constructed and it may be modified in various ways, within the spirit and scope of the claims hereto appended in order that an efficient receiver support may be provided.

50 As an example, it may be found preferred to adjust the position of the receiver clamp 5, and this may be done by fitting the stem with a bi-furcated head 18, within which the clamp is ro-

tatably hung, and it may be clamped in adjusted position therein by a screw 19.

As a further modification, it is pointed out that the device of the invention may readily be adapted for use in connection with older types of instruments, but as such instruments are rapidly disappearing from business places where the device of the invention is principally needed, and as such adaptation does in no way alter the principle of construction, it is not thought necessary to burden the specification with detailed descriptions and illustrations thereof.

I claim:

1. A telephone accessory comprising, a cradle shaped to receive the telephone instrument, a combination transmitter and receiver support mounted in said cradle above the instrument for swinging movement in a vertical plane, cam means on said support maintaining the switch buttons of the instrument depressed while the support remains in one position of vertical adjustment and adapted to release said buttons as the support is swung vertically out of said position, means at the end of the support shaped to grip the receiver of the instrument, and means for maintaining the support locked in various positions of adjustment.

2. A telephone accessory comprising, a cradle shaped to receive the telephone instrument, a telescoping transmitter and receiver support mounted in said cradle for swinging movement in a vertical plane, cam means on said support maintaining the switch buttons of the instrument depressed while the support remains in one vertical position of adjustment and shaped to release said buttons as the support is vertically swung out of said position, means at the end of the support adapted to grip the receiver of the instrument, and means maintaining the support locked in various positions of adjustment.

3. A telephone accessory comprising, a cradle shaped to receive the telephone instrument, a telescoping transmitter and receiver support mounted on said cradle for swinging movement in a vertical plane, cam means on said support maintaining the instrument switch elements depressed while the support remains in one position of vertical adjustment and shaped to release said elements as the support is vertically swung out of said position, adjustable means at the end of the support adapted to grip the receiver, and means maintaining the support locked in various positions of adjustment.

4. A telephone accessory comprising, a cradle shaped to receive the telephone instrument, a horizontal cross member pivotally mounted in said cradle above said instrument, a transmitter and receiver support rigidly secured to said member to swing in a vertical plane, cam means on said member maintaining the switch elements of the instrument depressed while the support remains in one position of vertical adjustment and adapted to release said elements as the support is swung out of said position, means at the end of the support adapted to grip the instrument receiver, and means for maintaining the support locked in various positions of vertical adjustment.

5. A telephone accessory comprising, a cradle shaped to receive the telephone instrument, a horizontal cross member pivotally mounted in said cradle above said instrument, a transmitter and receiver support rigidly secured to said member, means for maintaining the support in various

positions of vertical adjustment, resilient means in the cradle extending horizontally across the switch elements of the instrument, and a cam on said cross member engaging said resilient means to maintain the switch elements of the instrument depressed while the support remains in one position of vertical adjustment and adapted to release said elements as the support is swung out of said position.

6. A telephone accessory comprising, a cradle shaped to receive the telephone instrument, a telescoping receiver support mounted in said cradle for swinging movement in a vertical plane therein, adjustable means at the end of said support for gripping the instrument transmitter and receiver, means for maintaining the support locked in various positions of vertical adjustment, resilient means within the cradle extending horizontally across the switch elements of the instrument, and cam means on said support engaging said resilient means to maintain said elements depressed while the support remains in one position of adjustment and adapted to release said elements as the support is swung out of said position.

7. A telephone accessory comprising, a cradle shaped to receive the telephone instrument, a receiver support mounted in said cradle for swinging movement therein, means at the end of the support for gripping the receiver of the instrument, means for maintaining the support in various positions of adjustment, resilient means within the cradle extending across the switch elements of the instrument, a pressure equalizing member on said resilient means, and cam means on the support engaging said resilient means to move said equalizing member to maintain said elements depressed while the support remains in one position of adjustment and adapted to release said elements as the support is swung out of said position.

8. A telephone accessory comprising, a cradle shaped to receive the telephone instrument, a telescoping receiver support mounted in said cradle for swinging movement therein, adjustable means at the end of said support adapted to grip the instrument receiver, means for maintaining the support in various positions of adjustment, resilient means within the cradle extending across the switch elements of the instrument, a pressure equalizing member on said resilient means, and cam means on the support engaging said resilient means to cause said equalizing member to depress said elements and maintain them depressed while the support remains in one position of adjustment but to release the elements as the support is swung out of said position.

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