A. T. STACE

HEAD TELEPHONE SET

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Inventor: Austin T. Stace,
by Alexander J. Levis
His Attorney.
To all whom it may concern:

Be it known that I, AUSTIN THOMAS STACE, a subject of the British Empire, residing at Coventry, in the county of Warwick, England, have invented certain new and useful Improvements in Head Telephone Sets and the like, of which the following is a specification.

My present invention relates to telephone-sets of the type that is adapted to be carried by the head for use in connection with radio or ordinary telephony or telegraphy, and comprises an attachment by which the set is supported by or from the ears when in use.

This attachment may take the form of a hook or a loop associated with a receiver and suitably shaped to fit over the ear, and the hook or loop may be secured to or formed integrally with a receiver supporting-member.

The novel features which I believe to be characteristic of my invention are set forth with particularity in the appended claims. My invention itself, however, will best be understood by reference to the following specification taken in connection with the accompanying drawing in which Fig. 1 is a perspective of one embodiment of my invention and Fig. 2 illustrates the manner in which my invention may be employed.

In applying my invention to the type of headset in which the receiver supporting-member is arranged to pass under the chin, as is illustrated in the accompanying drawing, the supporting-member may consist of a double-spring wire or a band 11 connected together at convenient points 12 and having each of its ends formed into a loop 13 which is shaped so as to fit comfortably on the bridge of the ear. That is to say, the ends of the loops are bent towards one another as at 14 and then slightly arched in an upward direction as at 15. Arranged within each loop is the receiver 16 which is preferably mounted for rotational movement about two pins 17 each of which is carried by an adjustable sleeve 18 on each wire and facing towards each other within the loop. In order to prevent the receiver 16 from moving out of its normal plane relative to the supporting-member or loop, the telephone leads 19 may be brought out from the bottom of the receiver and secured to the supporting member, by which means limited rotational movement only, with respect to the supporting-member, is allowed to the receiver. Various other means of limiting the rotation of the receiver may be provided, such, for instance, as a rough or rubber washer secured to the receiver and adapted to engage with a corresponding washer on the sleeve 18 or the sleeve 18 itself. The telephone leads from each receiver may be united near the middle of the yoke of the supporting-member, and may pass through a loop 21 formed at this point in the double-spring wire 11. In the construction shown, the double spring wire 11 is a continuous wire bent into the required form.

It should be understood that the supporting-member carrying the receivers passes under the chin with a wide clearance and preferably does not rest against the side of the face.

In order to cushion the loop upon the user's ears, it is preferably partly enclosed in a soft or resilient material 22, such as a felt or rubber tube.

Various modifications will readily suggest themselves to those skilled in the art in order to enable the invention to be adapted for use with telephone sets employing a ball and socket connection or any other type of mounting between the supporting-member and the receiver.

What I claim as new and desire to secure by Letters Patent of the United States, is,—

1. In combination, a supporting member provided with a loop at one end thereof, means for pivotally supporting a telephone receiver in said loop, said loop being adapted to fit over the ears and thereby support the receiver.

2. In combination, a supporting member provided with loops at opposite ends thereof, means for pivotally supporting a receiver in each of said loops, said loops being adapted to fit over the ears and thereby support the receiver.

3. A telephone headset comprising a pair of receivers, a band connecting said receivers
and a loop formed integrally with said band at each end thereof, said loops being adapted to fit over the ears and thus support the receivers.

4. A telephone head set comprising a pair of receivers, a band made up of a double wire connected together at points along its length and formed into a loop at each end, and means for pivoting a receiver in each of said loops, said loops also being adapted to fit over the ears and thus support the receivers.

In witness whereof, I have hereunto set my hand this second day of September, 1924.

AUSTIN THOMAS STACE.