

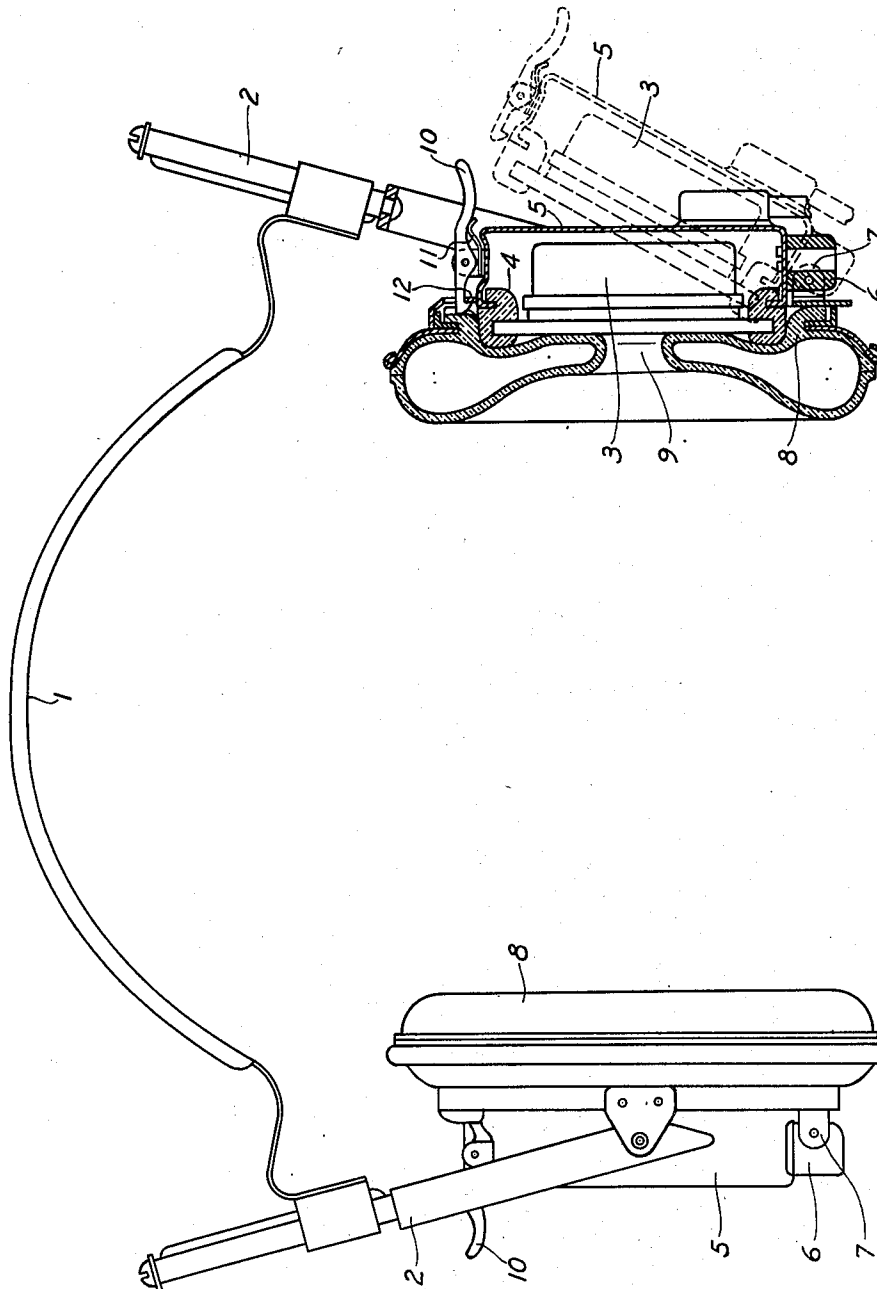
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RECEIVER HEADBAND

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RECEIVER HEADBAND

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The invention relates to telephone apparatus for fixing on the head, e. g., ear-phones, flying helmets, etc.

It is often necessary for the user of such a telephone apparatus to free one ear or both from the earphones for a time in order to be able to come to some rapid understanding with people around about or, in the country, to determine the direction of a noise, but this is not possible with the earphones which cuts out all extraneous noise when it is clamped on the head of the user.

For this purpose according to the invention, earphones are connected in an articulate manner with ear pieces pressing against the ear in order that the ear may be uncovered at any time. These arrangements allow in a simple manner a quick uncovering of the ear without removing the head piece and rapid replacing of the ear piece in its normal position. Since in these arrangements the position of the ear piece with respect to the ear of the user is dependent on the position of the telephone on the head of the user a firm positioning of the earphones on the head of the user is not interfered with when the ear pieces are articulated. The invention can, therefore, be used with special advantage for such telephone arrangements which are only held on the head by means of a bracket or the like.

In order that the telephone may be fixed in its effective position over the ear, a holding arrangement in the form of a snap lock is provided so that light pressure of the ear piece against the ear suffices to bring it from its ineffective to its effective position. Equally simple is the opening of the lock which is made easy in that the locking lever engages over the ear piece, and therefore can be rapidly undone. As compared with known arrangements for flying helmets with easily releasable earphones which are held by spring rings or the like on the cap, the present construction is a considerable advance since the rapid and comfortable release of the one or both ears of the user as well as the return of the earphones to their previous position is possible using known means.

An embodiment of the invention is described in detail in the drawing on a reduced scale, partially in elevation and partially in section.

The bracket 1 has at both ends displaceable holders 2 for supporting the ear piece. As can be seen more particularly from the sectional view of the telephone the telephone capsule 3 is fixed on a rubber pad 4 which at the same time serves

to fix one of the housings 5 for the capsule 3. This housing is rotatable about a lower projection 6 in combination with projection 7 which is also connected with the ear cover 8 of rubber which with its back wall rests against the rubber pad 4 and has an opening 9 in its centre for the passage of the sound waves from the telephone to the ear of the user. The rubber pad 4 is fixed with the parts attached to it to the ear cover 8 by means of the locking lever 10 arranged at the upper part of the housing 5 which is under the control of a spring 11 which engages with its locking end behind the projection 12 of the ear cover 4. The locking lever 10 engages with its other end so far over the housing 5 that in the closed position of the telephone instrument it can be very easily detached by the user. By exerting a light pressure on the lever the lock is released. Since the back wall of the rubber pad is formed by the attached housing by the release of the lever 10 a pressure is exerted on the housing and thus effects a spring controlled rotation of this housing and the connected parts. In the drawing these parts are shown by dotted lines in the turned away position. The ear of the user rests over the opening 9 and the ear cover 8 in connection with the outer ear, and the user can now, in spite of the position of the ear cover on his ears, converse with anyone near him, which is not possible when the telephone covers his ear in view of the cover 8.

It is equally simple to put the earpiece back in its usual position. It suffices for this purpose to press lightly against the housing 5 whereby the lever 10 is again moved underneath the projection 12 with its locking end and fixed by means of its spring.

In the embodiment both ear pieces are arranged to be rotatable out of the way but naturally it can be arranged that only one of these ear pieces can be so moved.

In place of the embodiment shown other articulate connections and methods of fixing can be provided for this purpose, and also the invention can be used with the same advantages for earphones which are supported in a helmet or the like.

What is claimed is:

1. In an apparatus for securing head phones to the head of a user, a pair of resilient ear pads fitting over the ears each having a central opening, a band for holding said pads against the ears, a pair of ear phones pivotally mounted on the lower side of the pads below the openings in

said pads and rotatable into a position covering the opening in said pads, and a snap locking arrangement for holding the ear phones in position covering the opening and having the latch
5 of said locking arrangement operable to automatically release the phones and cause them to rotate away from openings and hang suspended from the ear pieces.

2. An apparatus as claimed in claim 1 in which
10 the resilient ear pieces are compressed when the

phones are rotated into position covering the openings and act as springs to force the phones away from the openings.

3. An apparatus as claimed in claim 1 wherein the resilient ear pieces are held compressed when
5 the phones are locked in position against the openings and act to force the phones away from said openings when the latch is released.

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