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ATTACHMENT FOR AUDIO RECEIVERS

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Fig. 1

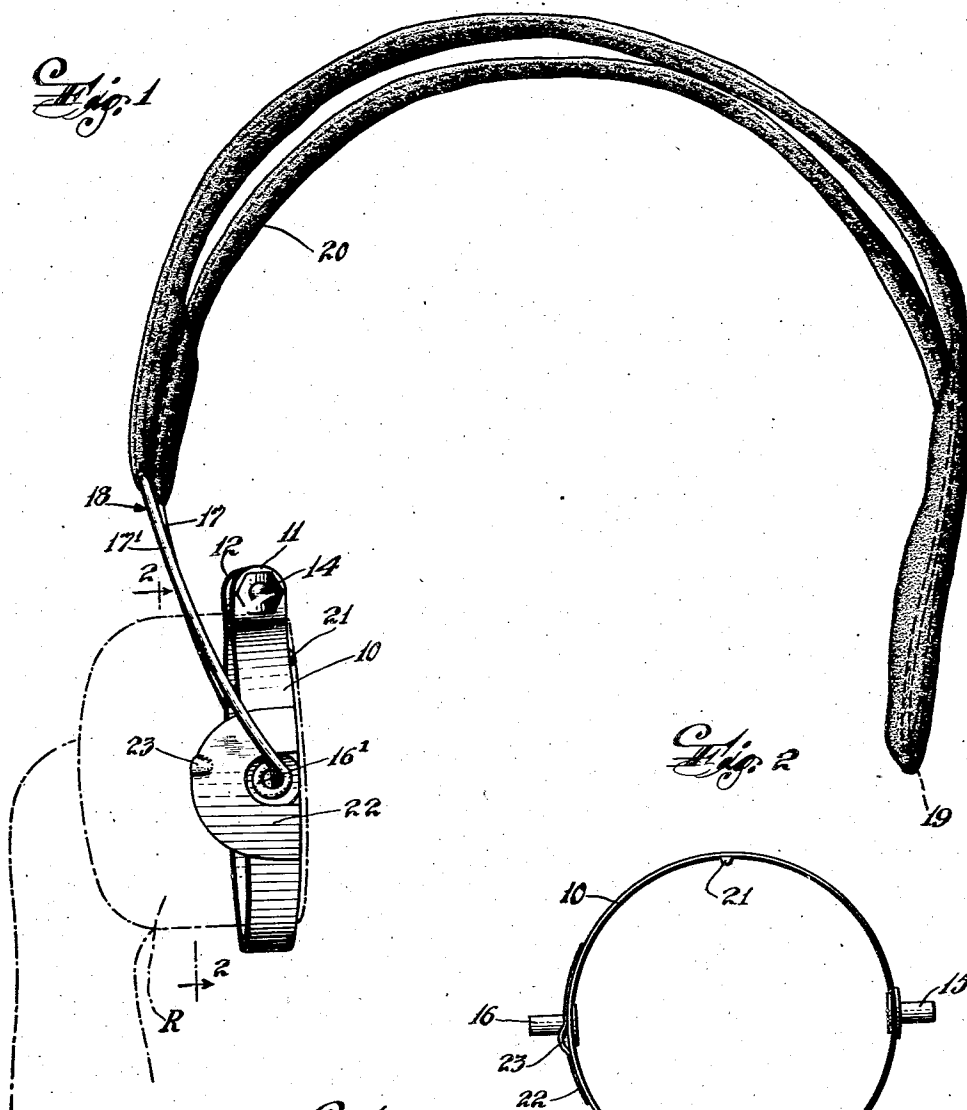


Fig. 2

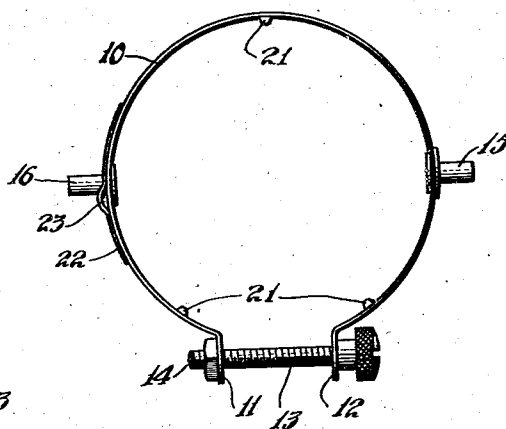
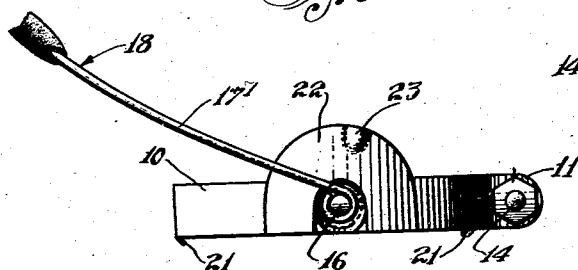


Fig. 3



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ATTACHMENT FOR AUDIO RECEIVERS

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1 Claim. (Cl. 179-156)

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This invention relates to improvements in audio receiver attachments and more particularly is directed to provide an attachment adapted for the supporting of a telephone or similar receiving instrument in a manner which will obviate the necessity of the user manually supporting the receiving instrument.

A further object of the invention is to provide an attachment of the character described which will enable the receiving device to be so positioned on the ear of the user as not to impede movement of the hands or other parts of the body.

A further object of the invention is to provide a device of the character described by means of which the receiving instrument may be suspended by a support resting on the head of the user, for long periods, without fatigue.

A further object of the invention is to provide a telephone attachment which may be interlocked with the receiving instrument so as to preclude accidental displacement therefrom and which, at the same time, permits of the adjustment of the device relative to the receiving instrument so that said instrument may be manually held in the conventional manner when so desired, for example, for short conversations, and the supporting device may be selectively brought into operative position in the facile manner, at the option of the user, at any time.

A further object of the invention is to provide a device of the character described in which the supporting device may be fixed relative to the receiver so as not to interfere with the positioning of said receiver on conventional stands or bases.

These and other advantageous objects, which will later appear, are accomplished by the simple and practical construction and combination of parts hereinafter described and more particularly shown in the drawing, illustrating embodiments of my invention, and in which:

Fig. 1 is an elevational view of the device of my invention shown attached to a receiving instrument, the latter being indicated in dotted lines,

Fig. 2 is a top plan view of the clamp portion of the attaching device of my invention, taken on line 2-2 of Fig. 1 in the direction of the arrows, and

Fig. 3 is a fragmentary side elevational view of the device of my invention.

In the drawing, the device of my invention is shown to comprise a clamp 10 which is provided with free, out-turned, aligned ends 11, 12 preferably apertured for the reception of comple-

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mentary fastener elements 13, 14 by means of which the device may be clamped upon the receiving instrument R. The clamp 10 is provided with medial studs 15 and 16 projecting outwardly therefrom to rotatably and removably receive the curled ends 16' of the headpiece 18. The latter may comprise a wire rod bent upon itself as at 19, the terminal ends 17, 17' of the rod being curled as at 16' so that as indicated in Fig. 1, said headpiece 18 may be rotatably positioned on the clamp 10. The headpiece 18 is preferably covered for a substantial portion of its length with padding 20, said padded section preferably terminating at a distance from the ends 17, 17' of the headpiece 18. Thus the said ends may straddle the receiver R to permit the headpiece 18 to be tilted to assume the position indicated in Fig. 3 remote from the out-turned ends 11, 12 of the clamp so that the headpiece 18 will not interfere with the positioning of the receiver R on the horizontal or vertical telephone stands or base units of either the "French" or other types, or to the position in Fig. 1, which permits of the suspension of receiver R in the normal position thereof in use.

The clamp 10 is provided with a plurality of protuberances 21 which may be formed integral therewith and which are preferably inwardly directed, that is, inwardly of the clamp 10 as indicated in Fig. 1, said protuberances being adapted to register with and be received in the peripheral recess which is customarily provided adjacent the diaphragm end of the receiver R, to thus lock the clamp 10 to the receiver R.

The position shown in Fig. 3 is also the "in-operative" position which permits of the normal manual holding of receiver R when so desired.

Cam plate 22 is fixed to the clamp 10, preferably in alignment with one of the studs 15, 16, as indicated in Fig. 1, said cam plate 22 being provided with a cam surface or boss 23 over which the end 17' of the headpiece 18 may cam to normally hold said headpiece at either side of the boss 23 on the plate 22 until manually displaced therefrom.

The clamp 10 may be padded as is the headpiece 18, and other variations similarly made from the structure disclosed in the drawing, in the scope of the appended claim, shall be deemed to be within the spirit of the invention.

The position of headpiece 18 relative to clamp 10 shown in Fig. 1 is the normal position of the parts in use.

The receiver R illustrated in the drawing is the conventional receiving unit of a French type tele-

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phone. It will be obvious that the invention may be applied in connection with any audio instrument which is to be held against or adjacent a person's ear.

The headpiece 18 is, as will be apparent from a consideration of the foregoing description and showing in the drawing, adapted to be readily deformed at the will of the user to present such outline as is found convenient for positioning the same on the user's head.

The device may be made of any suitable material; the illustration in the drawing of studs 15, 16 in the form of headed members which are riveted to the band 10 is merely by way of example, as is also the showing of bolt and nut means 13, 14.

It will be apparent that after the device has been initially applied to the receiver R it is practically indestructible and that the use of the invention frees the hands of the user, and elimi-

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nates fatigue and tediousness, especially where persons are obliged to work with telephones or other receiving units and to use the same for prolonged periods of time.

The headband 18 may if desired be enlarged at the end 19 thereof or may have attached to the end 19 thereof a pad, to cover the ear remote from receiver R, to exclude extraneous noises.

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

In an audio receiver attachment, a clamp, studs depending from said clamp, a headpiece provided with means engaging said studs to rotatably position said headpiece on said clamp, and cam means on said clamp adapted to be engaged by said headpiece to fix the position of the latter on the clamp.

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