

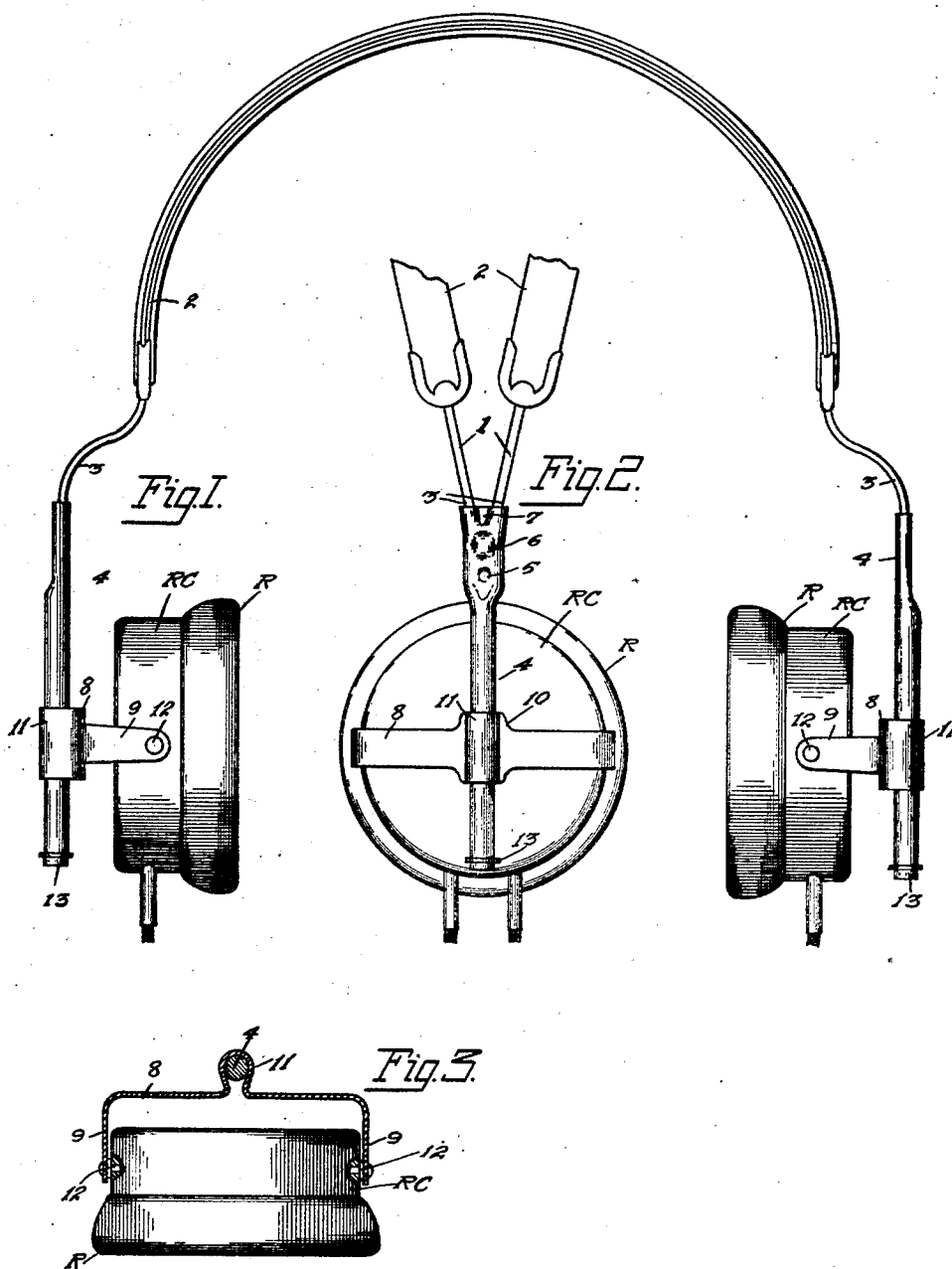
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E. A. BOHLMAN

HEAD-RECEIVER SET

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Inventor:
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UNITED STATES PATENT OFFICE.

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HEAD RECEIVER SET.

Application filed May 20, 1922. Serial No. 562,313.

To all whom it may concern:

Be it known that I, ERNEST A. BOHLMAN, a citizen of the United States of America, and resident of Chicago, Illinois, have invented certain new and useful Improvements in Head Receiver Sets, of which the following is a specification.

My invention relates to head receiver sets in general, and has to do more particularly with an improved receiver head set for use in telephone or radiophone receiving, when it is desired to have two ear-pieces properly fitted and held against the ears in the best positions for hearing, and at the same time comfortably.

Prior to my invention, various means of adjustment have been employed to adjust the ear-pieces on the head band to accommodate heads of various sizes and shapes. Set screws and other devices have been used, but these have never proved entirely satisfactory in that it required some time in which to make a proper adjustment of the ear pieces and almost invariably the wearer was compelled to remove the set from her head in order to make the adjustment desired. To overcome the necessity of removing the receiving set from the wearer's head and to reduce the time required to make an adjustment of the ear pieces, I have provided an improved adjustable member for adjustably supporting the ear pieces in any adjustable position, by means of frictional resistance, said adjustable member being constructed so that any adjustment of the ear-piece may be readily effected without removing the receiver set from the head of the wearer.

For a more complete understanding of my invention, reference may be had to the accompanying drawing, in which like reference characters in the several views, denote like parts, and in which—

Fig. 1 is an elevation of a complete head set embodying my invention;

Fig. 2 is an elevation of one of the ear-pieces and of the adjustable member of my invention;

Fig. 3 is a side elevation of the receiving set showing one of the ear-pieces adjustably supported by the head-band by means of my adjustable member.

Referring now more in detail to my invention as illustrated, I show a pair of head bands 1, each being suitably formed so as to

fit snugly over the top of the head of the wearer. The arch of each head band 1 is encased between two strips of flat webbing 2 or some other suitable material to permit the head bands to rest upon the wearer's head in a more comfortable manner. Each pair of ends 3 of the head bands 1 are inserted into one end of a cylindrical supporting member or post 4 which has its one end flattened to receive said pair of ends 3. After the pair of ends 3 have been inserted into the flattened end of the supporting member 4, they are spaced and securely held in place by means of a punching operation which presses the walls of the member 4 together at points 5, 6 and 7.

Referring now to the adjustable supporting member for adjustably holding the receivers R in their adjusted positions, and since both are the same, a description of one will suffice, I provide a supporting member 8 which has its ends 9 turned back parallel to each other. Intermediate the ends of the member 8 is a portion 10 greater in width than any other part of the member 8, and which enlarged portion 10 is formed into a loop 11 of a size slightly smaller than the diameter of the supporting post 4, but of sufficient size to receive said post 4. Between the ends 9 of the member 8 is pivotally supported the receiver casing RC by means of pins 12, which are suitably secured to the ends 9, and which engage suitable orifices in the casing RC to permit the casing to be pivotally supported thereon.

To assemble the receiver set, the free end of the post 4 is inserted into the loop 11, and since the loop 11 is slightly smaller in size than the diameter of the post 4, the loop 11 will be slightly spread apart, thus producing clamping means which will securely maintain the supporting member 8 in any adjusted position against ordinarily normal pressure or force exerted upon it. Should it be necessary to adjust the ear-pieces R, the same may be effected by sliding the post 4 in an upward or downward direction, depending on the desired adjustment. When the abnormal force used in sliding the post 4 through the loop 11 is withdrawn, the member 8 will remain on the post 4 in its adjusted position due to the frictional resistance existing between the said post 4 and loop 11.

To prevent the entire removal of the adjustable member 8 from the head band, I provide a screw 13 which has screw-threaded engagement with an orifice provided in the free end of the post 4, and which screw 13 has a head of a larger size than the opening in the loop 11 and in order to remove the member 8 from the post 4, it will be necessary to first remove the screw 13.

From the foregoing, it is apparent that I have devised a very efficient but cheap to construct adjustable receiver supporting device. I provide one member which not only pivotally supports the ear-piece, but also adjustably supports the ear-piece on the supporting post which is secured to the head band, and I have so associated the said member and said post which permits any adjustment to be made readily without removing the receiver set from the head of the wearer.

While I have illustrated and described a preferred embodiment of my invention, it is to be understood that changes and modifications will readily suggest themselves, but I am to cover all such changes and modifications as come within the spirit and scope of the appended claims.

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

1. A device of the character described comprising a head band, a cylindrical supporting member secured thereto, a receiver supporting member having its body portion intermediate its ends formed into a loop of a size to receive said cylindrical supporting member by means of a force fit so as to frictionally engage the same to prevent movement thereon of its own accord.

2. A device of the character described comprising a head band having a cylindrical member secured thereto, an adjustable receiver supporting member having its body portion intermediate its ends formed into a loop of a size to receive said cylindrical member by means of a force fit so as to bear pressure against the same to retain said supporting member in its adjusted position under normal pressure.

3. A device of the character described comprising a head band, a post secured thereto, an adjustable member having its portion intermediate its ends formed into a loop of a size to receive said post and to grip the same to hold said member in its adjusted position on said post under ordinary pressure, and a receiver pivotally supported between the ends of said adjustable member.

4. In a device of the character described comprising a pair of head bands, a cylindrical member secured to said head bands, an adjustable member having a loop integrally formed therewith and of sufficient size to frictionally engage said cylindrical member to hold the same in its adjusted position, another member pivotally supported between the ends of said adjustable member, and a screw for engaging said cylindrical member to prevent the disassociation of said adjustable member and said cylindrical member.

5. A device of the character described including a pair of head bands, a cylindrical member for receiving a pair of ends of said pair of head bands, means for securing said pair of ends to said member whereby said head bands are secured to said member, a U-shaped adjustable supporting member for pivotally supporting a receiver, said U-shaped adjustable member having its body portion intermediate of its ends formed into a loop of a size to receive said cylindrical member by means of a force fit to produce a spring effect in said loop whereby said U-shaped supporting member is clamped to said cylindrical member but to permit longitudinal movement of said U-shaped supporting member along said cylindrical member, said spring effect providing means for retaining said U-shaped member in its adjustable positions on said cylindrical member.

Signed by me at Chicago, in the county of Cook and State of Illinois, this 18th day of May, 1922.

ERNEST A. BOHLMAN