June 3, 1924. 1,496,423

H. G. LEACH

HEADBAND FOR TELEPHONE RECEIVERS

Filed March 11, 1922

Fig. 1.

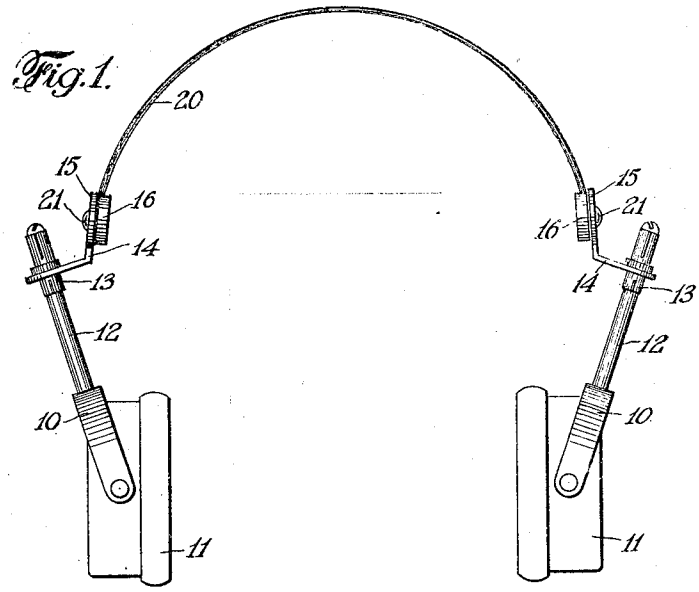


Fig. 2.

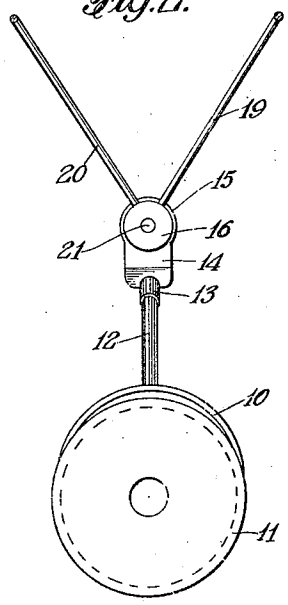


Fig. 3.

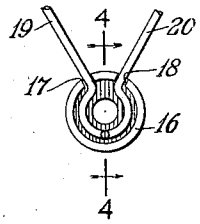
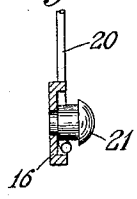


Fig. 4.



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By his Attorney Fred'k T. Schuett

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UNITED STATES PATENT OFFICE.

HENRY G. LEACH, OF BROOKLYN, NEW YORK, ASSIGNOR TO ELECTRICAL INDUSTRIES MANUFACTURING CO., OF NEW YORK, N. Y., A CORPORATION OF NEW YORK.

HEADBAND FOR TELEPHONE RECEIVERS.

Application filed March 11, 1922. Serial No. 542,914.

To all whom it may concern:

Be it known that I, HENRY G. LEACH, a citizen of the United States, and a resident of Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Headbands for Telephone Receivers, of which the following is a specification.

The invention relates to head bands such as are employed for mounting telephone receivers and the like; and it has for its object to provide a simple and inexpensive construction for a head band and wherein the various adjustments necessary for properly fitting the receivers to the head of the wearer are conveniently made.

The nature of the invention, however, will best be understood when described in connection with the accompanying drawings, in which—

Fig. 1 is a front elevation of the improved head band.

Fig. 2 is a fragmentary side view.

Fig. 3 is a detail plan view of the retaining cup for the end portions of the wire frame of the head band.

Fig. 4 is a transverse section taken on the line 4—4, Fig. 3, with rivet shown in position.

Similar characters of reference designate corresponding parts thruout the several views.

Referring to the drawings, 10 designates a pair of stirrups in which are pivotally mounted the telephone receivers 11, as is the usual practice. A rod or extension 12 of the stirrup, moreover, is mounted to afford a friction and sliding fit in a split sleeve 13, thereby to allow of longitudinal adjustment relatively to the sleeve as well as of an adjustment about the axis thereof. Sleeve 13, furthermore, is carried by a bracket member 14 having a forced fit therewith and terminating in a cap portion 15 which is riveted to and closes over a cup member 16. The latter is designed to movably support a wire frame uniting the receivers and is provided with a plurality of spaced entrance slots 17 and 18, cut thru the rim of the cup, and thru which pass spring wires 19 and 20 suitably spaced thereby and forming the said frame of the band; and said wires may be covered by any suitable material, if desired, as is well understood.

The inner ends of the wires are curved substantially to fit within the cup; and, furthermore, are bent out of their respective planes, as shown, to exert pressure between the cup and cap when the two are united to retain the wire ends therein. The cup and cap may be united to allow of relative movement, as for example, by means of a shouldered rivet 21 which also determines the space between cup and cap and thereby the degree of pressure.

In this manner, a substantial friction may be provided between the cup and cap which, while allowing of movement of the bracket and attached receiver for adjustment about the axis of the securing rivet, will yet be sufficient to maintain the same in adjusted position.

I claim:—

1. In a head band for telephone receivers: a spring frame, a cup member to receive an end of the frame a portion of which end is offset in the cup, and a bracket member movably secured to the cup member to retain the frame in the cup and engaging the offset portion to tension the frame end therein.

2. In a head band for telephone receivers: a spring wire frame, a cup member having spacing slots in its rim thru which the wire ends pass into the cup member, and a bracket member movably secured thereto to retain the wire ends in the cup.

3. In a head band for telephone receivers: a spring wire frame, a cup member to receive the ends of the frame, a bracket member terminating in a cap fitting over the cup, movably secured thereto and retaining the wire ends therein.

4. In a head band for telephone receivers: a spring wire frame, a cup member having spacing slots in its rim thru which the wire ends pass into the cup member, and a bracket member terminating in a cap fitting over the cup, movably secured thereto and retaining the wire ends therein.

5. In a head band for telephone receivers:

a spring wire frame, a cup member having spacing slots in its rim thru which the wire ends pass into the cup member, said ends within the cup member being bent out of the plane of the wire, a bracket member terminating in a cap fitting over the cup, and a shouldered rivet passing thru the cap and cup to movably secure the two to each other.

Signed at New York, in the county of New York and State of New York, this 8th day of March, A. D. 1922.

HENRY G. LEACH.