To all whom it may concern:

Be it known that I, Nathaniel Baldwin, a citizen of the United States, residing at Mill Creek, in the county of Salt Lake and State of Utah, have invented a new and useful Head-Band for Telephone- Receivers, of which the following is a specification.

The object of the present invention is to provide a simple headband which is somewhat automatic and can be adjusted easily and perfectly. I attain this object by the mechanism illustrated in the accompanying drawing in which—

Figure 1 is an elevation of the complete structure showing parts in section; Fig. 2 is an elevation of the same structure at right angles to Fig. 1, also showing a partial section along the line A B of Fig. 1; Fig. 3 is an elevation of a modified and simplified form of the headband; Fig. 4 is an elevation of the same structure at right angles to Fig. 3; Fig. 5 is an elevation of the mechanism as applied to a single receiver; and Fig. 6 is an elevation of a part of the same mechanism at right angles to Fig. 5.

In Figs. 1 and 2 numerals 1 and 2 designate two strap springs which go over the head and produce the necessary pressure on the receivers. The extremities of these straps are perforated and receive the adjustable holders 3. Washers 1 which are riveted onto the holders 3, coëxist with the integrally formed flanges on the latter to clamp the straps 1 and 2 together with sufficient friction to hold the straps in adjustment with respect to each other after being set.

Apertures in the holders 3 receive slidable rods 5 which are split at one end and formed into two arms which partly encircle the receivers 8, and pivots 6, fixed into the extremities of the arms, fit into sockets in the receivers 8 and hold them in place. Screws 7, tapped into the rods 5, prevent them from coming entirely out of the holders 3.

In use, the straps 1 and 2 are first spread apart to the desired angle as indicated in Fig. 2, and placed upon the head. The rods 5 are then turned in the right direction, which adjustment is permitted by the holders 3 turning within the perforations in the straps 1 and 2. The rods 5 are then adjusted lengthwise by sliding in the holders 3. Said rods 5, rotatable in the holders 3, and pivots 6 form a sort of universal joints which permit the receivers 8 to fit perfectly against the ears. After the rods 5 are adjusted lengthwise, the binding effect in the holders due to the pressure of the operator's head, will prevent slipping. It will be seen that no screws have to be tightened to hold the parts in adjustment.

In Figs. 3 and 4 the mechanism is simplified. The springs 1 and 2, as here illustrated are made of a wire which is bent around the holders 3 and clamped firmly in position by the washers 4 which are riveted onto the holders 3. The springs 1 and 2 and holders 3 are fixed in their relative positions, otherwise the adjustment is the same as that of the mechanism shown in Figs. 1 and 2.

In Fig. 5 the mechanism is the same as that shown in Fig. 3 except that only one holder is used and the springs 1 and 2 on the side where the other holder is omitted, take the form shown in Fig. 6.

As here illustrated, two spring straps or two spring wires are used to produce the pressure on the receivers, but if desirable, one strap or one wire may be used in place of two.

I claim:
1. A headband for telephone receivers comprising resilient head members provided with perforations at their extremities, holders provided with apertures and rotatably secured in said perforations, slidable and rotatable rods passing through said apertures, arms formed upon said rods adapted to hold the telephone receivers.

2. A headband for telephone receivers comprising resilient head members provided with perforations at their extremities, holders provided with apertures and rotatably secured in said perforations, slidable and rotatable rods passing through said apertures, arms formed upon said rods, and pivots in said arms to engage the telephone receivers.

3. A headband for telephone receivers comprising spring members, holders with apertures rotatably adjustable in said spring members, rods rotatably and slidably adjustable in said apertures, and arms formed upon said rods and adapted to engage the telephone receivers.

4. A headband for a telephone receiver comprising spring members, a holder with an aperture rotatably adjustable in said spring members, a rod rotatably and slidably adjustable in said aperture, and arms formed upon said rod and adapted to engage the telephone receiver.
5. A head band for telephone receivers comprising resilient head members, holders rotatably carried by the extremities of the latter, rods rotatably and slidably mounted in said holders, and arms formed on one extremity of said rods to engage the receivers substantially as and for the purpose set forth.

6. A head band for telephone receivers comprising resilient head members apertured at their extremities, holders having one end projecting into said apertures, the other end formed with an opening, flanges formed on said holders, washers affixed to the latter in spaced relation to the flanges thereon to cooperate with the same and retain said holders in seated position, rods extending through the openings in said holders and slidably and rotatably arranged therein, divergent arms formed on one extremity of said rods to partially encompass the receivers, and means to pivotally connect the latter to said arms substantially as and for the purpose set forth.

NATHANIEL BALDWIN.

Witnesses:

Geo. A. Dixon,
A. J. Strong.