

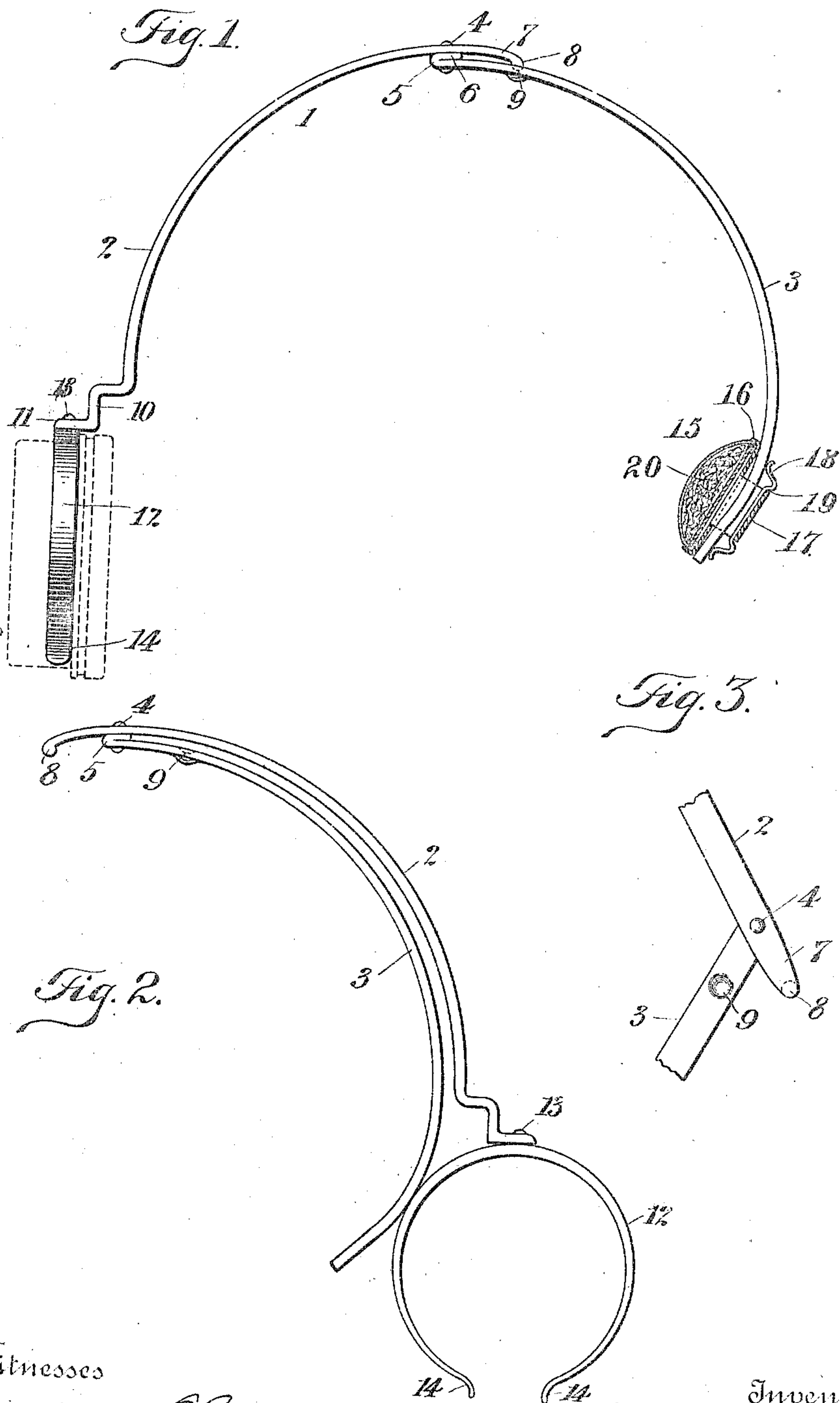
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K. M. TURNER.

HEAD BAND OR SUPPORT FOR TELEPHONE RECEIVERS.

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Witnesses
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UNITED STATES PATENT OFFICE.

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HEAD BAND OR SUPPORT FOR TELEPHONE-RECEIVERS.

No. 817,457.

Specification of Letters Patent.

Patented April 10, 1906.

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To all whom it may concern:

Be it known that I, KELLEY M. TURNER, a citizen of the United States, residing at New York city, in the borough of Manhattan and State of New York, have invented certain new and useful Improvements in Head Bands or Supports for Telephone-Receivers, of which the following is a full, clear, and exact description.

My invention relates to a head support or band for telephone-receivers.

Under certain circumstances, and particularly in case of deaf persons employing the acousticon, it is desirable to have mechanical means for supporting the instrument against the ear in order to relieve the person using the device from the inconvenience of holding it with his hand.

The principal object of the present invention is to provide a support or holder of the above character of very light and simple construction and adapted to be folded up when not in use into a very small compass.

A further object of the invention is to provide a construction which shall be mechanically strong and rigid and easy to manufacture.

With these and other objects in view my invention consists in the construction, combination, location, and arrangement of parts, all as will be more fully hereinafter set forth and shown, and finally particularly pointed out in the appended claims.

In the drawings, Figure 1 is a side view of a complete holder or support embodying the principles of my invention, the receiver being shown in dotted lines. Fig. 2 is a view of the same in its folded-up relation. Fig. 3 is a detail view showing the flexible joint.

In carrying out my invention I make use of a curved band of resilient material with a spring-ring at one end adapted to engage the usual receiver. The central portion of the band is jointed to enable it to be folded or doubled upon itself into a small compass, and the spring-ring for clamping the receiver is also pivoted to permit it to swing into the plane of the rest of the device.

Referring to the drawings, 1 designates the supporting-band, having sections 2 and 3 curved to embrace the head with a certain amount of spring tension when the device is in use. The two sections are joined together at the point 4 by a pin or rivet, and in order to make the sections substantially rigid when in use I construct the joint 4 in a special way,

which forms an important feature of my invention. The section 3 is folded over at the point 5, so as to produce a double thickness at the point 6, through which the pin or rivet 4 passes, and the section 2 is extended beyond the pin or rivet, as shown at 7, so as to produce a resilient arm having a bead 8 thereon. The section 3 is cupped or recessed at the point 9 in the path of the bead 8, so that said bead springs into the cup or recess 9 by the resiliency of the arm 7 when the two sections are moved into alinement with one another.

The lower or terminal end of the section 2 of the supporting-band is offset slightly, as shown at 10, from the curve of the rest of the band and has a transversely-extending extremity 11.

12 designates the spring ring or fork secured to the extremity 11 by a pin or rivet 13 and preferably formed, as shown, with its terminal ends slightly deflected at 14 in order to facilitate the insertion of the receiver therein. On account of the nature of the pin or rivet connection 13 the spring ring or fork 12 is capable of swiveling on a diametral axis into the plane of the supporting-band 1. The end of the supporting-band opposite the spring ring or fork 12 is adapted to receive a pad formed to produce a comfortable engagement with the head of the wearer. A convenient form of pad for this purpose is illustrated at 15, comprising a sheet-metal cup 16, having a projecting strap 17 embossed or struck up from its rear face, so as to receive a spring 18. The spring 18 has shoulders 19 thereon, by which it is retained in position within the strap and serves to engage the lower extremity of the band-section 3 with sufficient force to hold the pad in place. 20 denotes a filling of yielding or flexible material, which forms the body of the pad.

The use of the invention is as follows: The person using the instrument will ordinarily carry the support or band in its folded-up relation, as shown in Fig. 2, in which it occupies very little space and may be placed in the pockets or about the person's clothing. When it is desired to use the instrument, the sections 2 and 3 are folded into alinement with one another, so that the bead 8 engages the cup or recess 9 and sets them in comparatively rigid relation. The spring ring or fork 12 is now turned upon its supporting-pivot 13 into the proper transverse relation, where it remains by virtue of the frictional resist-

ance of the supporting pin or rivet. The receiver is now inserted into the spring ring or fork and the apparatus clamped in place upon the head, so that the receiver lies opposite the ear and ready for use.

What I claim is—

1. A supporting band or holder for telephone-receivers comprising a pair of curved spring-sections pivoted together at their upper ends, and a ring or fork adapted to receive and hold a telephone-receiver and arranged to fold into the plane of said spring-sections.

2. A supporting band or holder for telephone-receivers comprising a pair of curved spring-sections joined together at their upper ends, so as to be capable of folding together, and a spring ring or fork pivoted to the terminal end of one of the sections and adapted to be moved into transverse relation thereto.

3. A supporting band or holder for tele-

phone-receivers comprising a pair of spring-sections pivoted together at their upper ends, one of said sections having a bead and the other a cup or recess in alinement therewith, whereby the sections may be held in substantially rigid operative relation, and a spring ring or fork pivoted to the terminal end of one of the sections and capable of being folded into the plane thereof when not in use.

4. A supporting band or holder for telephone-receivers comprising a spring-section, a pad having a strap struck up thereon, and a spring retained by said strap and frictionally engaging said spring-section.

In witness whereof I subscribe my signature in the presence of two witnesses.

KELLEY M. TURNER.

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