

(No Model.)

J. W. KINNIBURGH.
EAR PAD FOR TELEPHONE RECEIVERS.

No. 520,786.

Patented June 5, 1894.

Fig. 1.

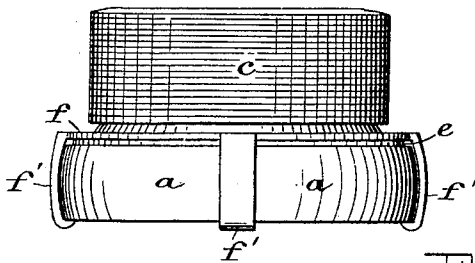


Fig. 2.

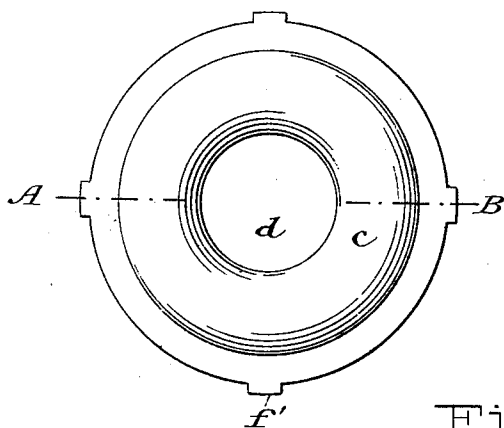


Fig. 5.

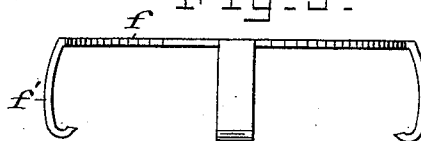


Fig. 4.

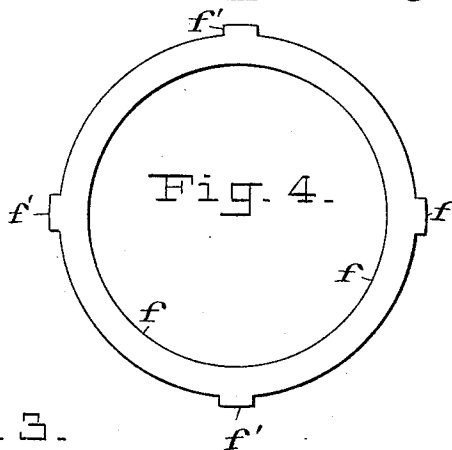
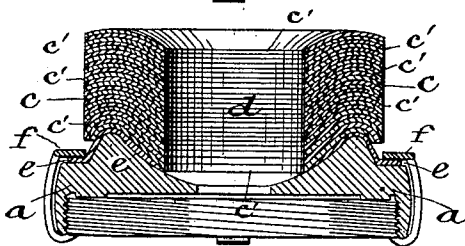


Fig. 3.



Witnesses:

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UNITED STATES PATENT OFFICE.

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EAR-PAD FOR TELEPHONE-RECEIVERS.

SPECIFICATION forming part of Letters Patent No. 520,786, dated June 5, 1894.

Application filed November 10, 1893, Serial No. 490,564. (No model.)

To all whom it may concern:

Be it known that I, JAMES WATKIN KINNIBURGH, a subject of the Queen of Great Britain, residing at the city of Wellington, in the Colony of New Zealand, have invented an Ear Piece or Pad for Telephone-Receivers, of which the following is a specification.

My invention relates to an ear piece for telephone receivers and consists in providing an ear piece of novel construction which can be attached to the outside of the orifice of ordinary telephone receivers by suitable clips or attachments or can be manufactured upon or in conjunction with the same; the object being that the surface exposed to the ear may be readily renewed when desired. It is well known that in the telephone receivers as at present constructed the outer surface is continually presented to the ears of different persons and that in time this surface becomes soiled and offensive, more especially by the moisture from the face and ear, and moreover such apparatus is not readily cleaned or washed without impairing the instrument.

Now by my invention the operator can whenever desired and with very little trouble make a clean surface on that part of the receiver which touches the ear, and this surface may if desired be made of absorbent material and of a color which will show plainly when the receiver has become soiled.

In order that my invention may be understood I will proceed to describe the same and for that purpose shall refer to the accompanying sheet of drawings on which similar letters indicate corresponding parts in all the figures.

Figure 1 is a side elevation of a telephone receiver with my ear piece attached. Fig. 2 is a plan of the same. Fig. 3 is a section of the same through the line A—B. Fig. 4 is a plan of a clip for fastening my ear piece in position. Fig. 5 is a side view of the same.

(a) is the ordinary ear piece as at present screwed on to the receivers of telephones having an orifice (b) through which the sound passes in the direction of the arrow.

(c) is my new ear piece or pad and hereinafter called the pad which is composed of thin layers of material (c'). Any thin material may be made use of for the purpose but I prefer to use white blotting paper which more readily absorbs any matter or moisture

that may be brought in contact with the same and can be readily molded to the requisite form to fit the receiver, to be convenient for the ear and present a pleasant and comparatively soft surface. The layers of paper or material are pressed into the form shown in the drawings and gummed at their edges so as to be readily renewed by a knife or other means. These layers may be impregnated with a disinfectant if desired. The said pad has an orifice (d) which forms a tube by which the sound is transmitted to the ear from the orifice (b).

(e) is a foundation made (by preference) of a soft material such as wash leather which can be conveniently fastened to the base of the pad (c) and enables it to fit snugly to the receiver (a).

(f) is a ring fitted with clips (f') which grasps the foundation (e) of the pad and holds it firmly to the receiver (a) together with the pad (c).

It will be seen from this description of the several parts and by reference to the drawings that my invention consists in applying to the orifice of the receiver of an ordinary telephone a pad of material which is so constructed of layers that each layer may be removed by the point of a knife or in any convenient manner, the said layers being held together at their edges only. I thus present when desired a fresh surface for the ear to rest against. It will be evident that the principle of my invention admits of many variations both as to the form of the pad and the material of which it is made; moreover the base of the pad may be formed with holes so as to be screwed to the receiver or attached by slots passing under the screw heads, and the pad might be formed of a plate having an internal screw to fit on to a screw formed on the projecting part of the ordinary receiver.

Having fully described my invention, what I claim, and desire to secure by Letters Patent, is—

The pad for the ear formed of layers of material joined together in such a manner that a clean surface is exposed when desired.

JAMES WATKIN KINNIBURGH.

Witnesses:

W. E. HUGHES,
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