

(No Model.)

V. A. COOK.
CUSHION FOR TELEPHONE RECEIVERS.

No. 514,913.

Patented Feb. 20, 1894.

Fig. 3.

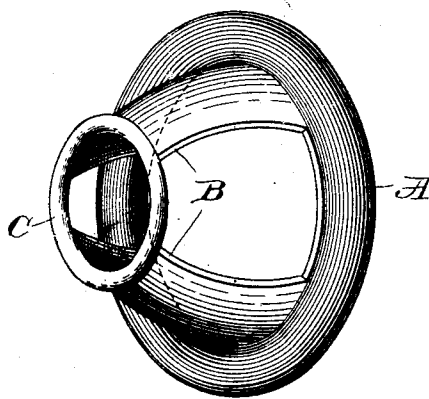


Fig. 1.

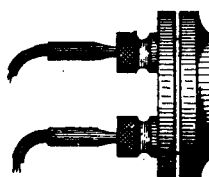


Fig. 2.

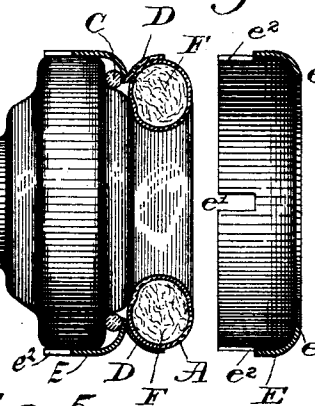


Fig. 4.

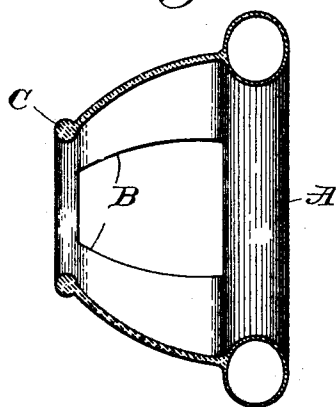
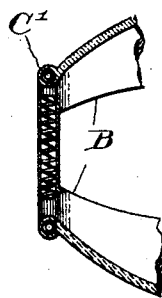


Fig. 5.



Witnesses

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UNITED STATES PATENT OFFICE.

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CUSHION FOR TELEPHONE-RECEIVERS.

SPECIFICATION forming part of Letters Patent No. 514,913, dated February 20, 1894.

Application filed November 28, 1893. Serial No. 492,321. (No model.)

To all whom it may concern:

Be it known that I, VICTOR A. COOK, a citizen of the United States of America, residing at Averill Park, in the county of Rensselaer and State of New York, have invented certain new and useful Improvements in Cushions for Telephone-Receivers, of which the following is a specification.

This invention relates to a device to be secured to the end of a telephone receiver to exclude external sounds, and to relieve the ear from disagreeable and injurious effects caused by loud and shrill noises, such as ringing of telephone bells, &c.

The object of my invention is to produce a device of simple and inexpensive construction which may be readily attached to a telephone receiver and which on account of its compressibility and elasticity will accommodate itself to the contour of the ear and thus exclude external sounds without discomfort to the ear. And a further object is to produce such an improved cushion for the ear as will deaden shrill and jarring noises which are conveyed to the telephone receiving tube and are disagreeable and injurious to the receiver's ears.

For a full and clear understanding of my invention reference is to be had to the accompanying drawings in which—

Figure 1 represents in side elevation a preferred form of my invention attached to a telephone receiver. Fig. 2 is a cylindrical band for securing the device to the receiver. Fig. 3 represents a modified form of the device with a hood attachment, and Fig. 4 is a vertical sectional view of the same. Fig. 5 is a detail illustrating a modification of the elastic ring on the hood shown in Fig. 3.

In the drawings, A is a cushion preferably made of thin rubber tubing inflated and partially filled with some fibrous material like cotton. The fibrous material acts in two capacities, first to deaden and thereby relieve the ear from shrill and loud noises while not interfering to any appreciable extent with the transmission of messages; and second, to pre-

vent the cushion from collapsing in case it should be punctured.

B is a slotted elastic hood suitably attached at its outer end to the cushion A, and having an elastic rubber ring C on its inner end.

C' represents a coil spring suitably attached to the hood which may be used instead of ring C if desired, see Fig. 5.

D represents a preferred form of attachment to be substituted for the hood to secure ring C to the cushion, consisting of a thin band of elastic material attached to or made part of ring C, and suitably secured to the outside of the cushion, see Fig. 1.

E is a cylindrical band of thin metal having its outer edge *e* inclined inward, and slots *e*² in its inner end *e'* to permit of a slight flexibility. Band E may also have inwardly inclined projections on its inner edge to more securely fasten the band on the end of the receiver tube.

F represents the fibrous material in the cushion.

My preferred form of cushion, see Fig. 1, is attached to the receiver as follows: First, the inner slotted end *e'* of band E is forced upon the front end of the receiver tube, ring C is then forced under the outer end *e* of the band and the band then forced back upon the tube which presses ring C against the face of the tube, and holds the cushion A firmly in position.

The modified form of my device, see Fig. 3, is attached to the face of the receiver tube by simply stretching hood B and ring over the end of the same.

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

1. In combination with a telephone receiver, of a compressible and elastic cushion, filled with air and a flexible material, a flexible ring attached to the cushion, and a metallic band to secure the ring against the face of the receiver, substantially as described and set forth.

2. The combination with a telephone receiver, of a compressible and elastic annular

cushion, a flexible ring attached to the cushion by means of an elastic band, and a metallic band to secure the ring against the face of the receiver, as and for the purposes set
5 forth.

3. An attachment for a telephone receiver comprising an elastic annular cushion, a flexible ring flexibly attached to the cushion, a metallic band having slots in its inner end

and an outward edge inclined inwardly to secure the cushion to the face of the receiver, substantially as described and set forth.

In testimony whereof I affix my signature in presence of two witnesses.

VICTOR A. COOK.

Witnesses:

ARTHUR W. MOORE,
FRED. I. MATTHEWS.