

(No Model.)

J. F. BATCHELOR.

TELEPHONE RECEIVER.

No. 281,000.

Patented July 10, 1883.

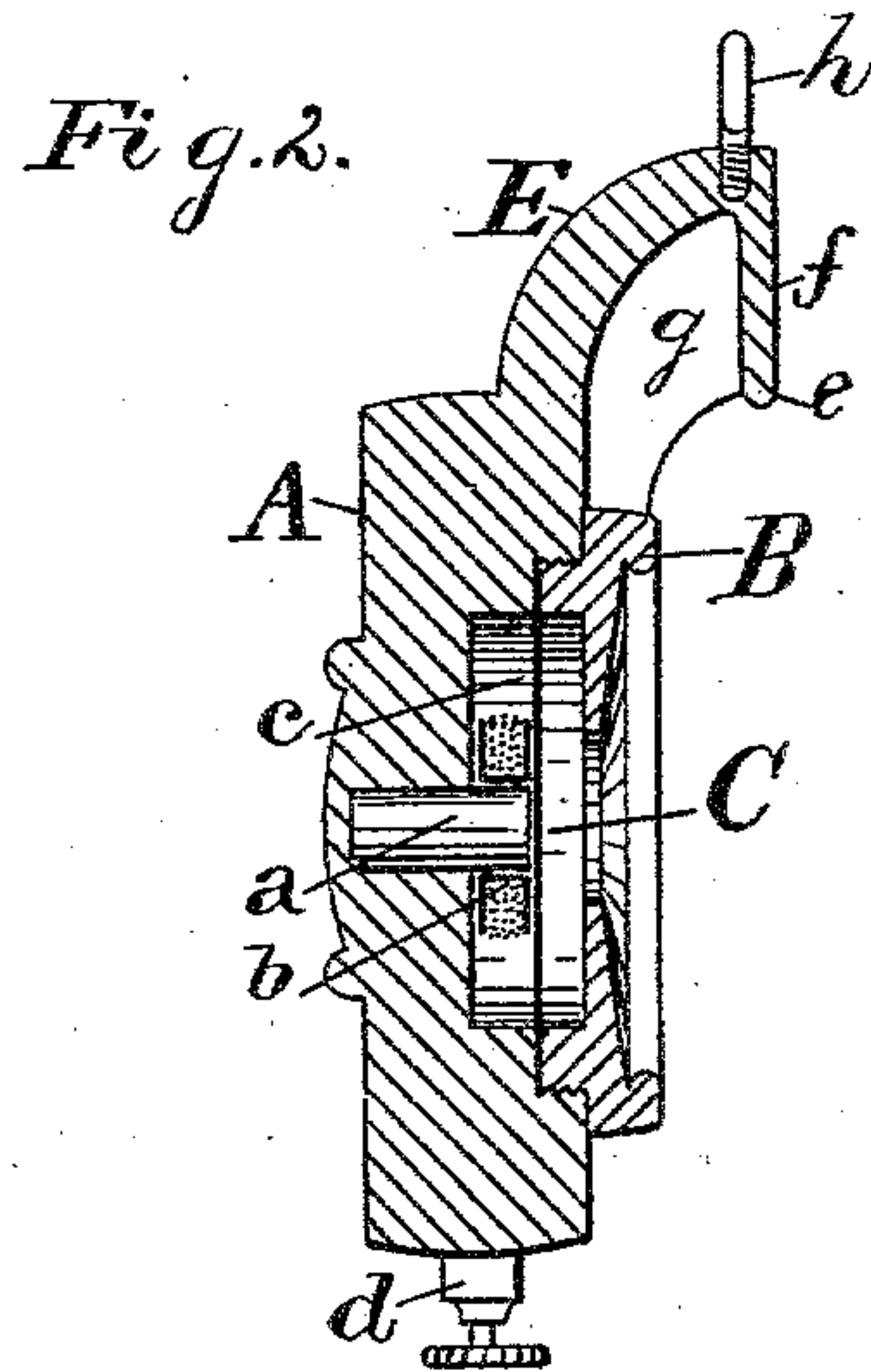
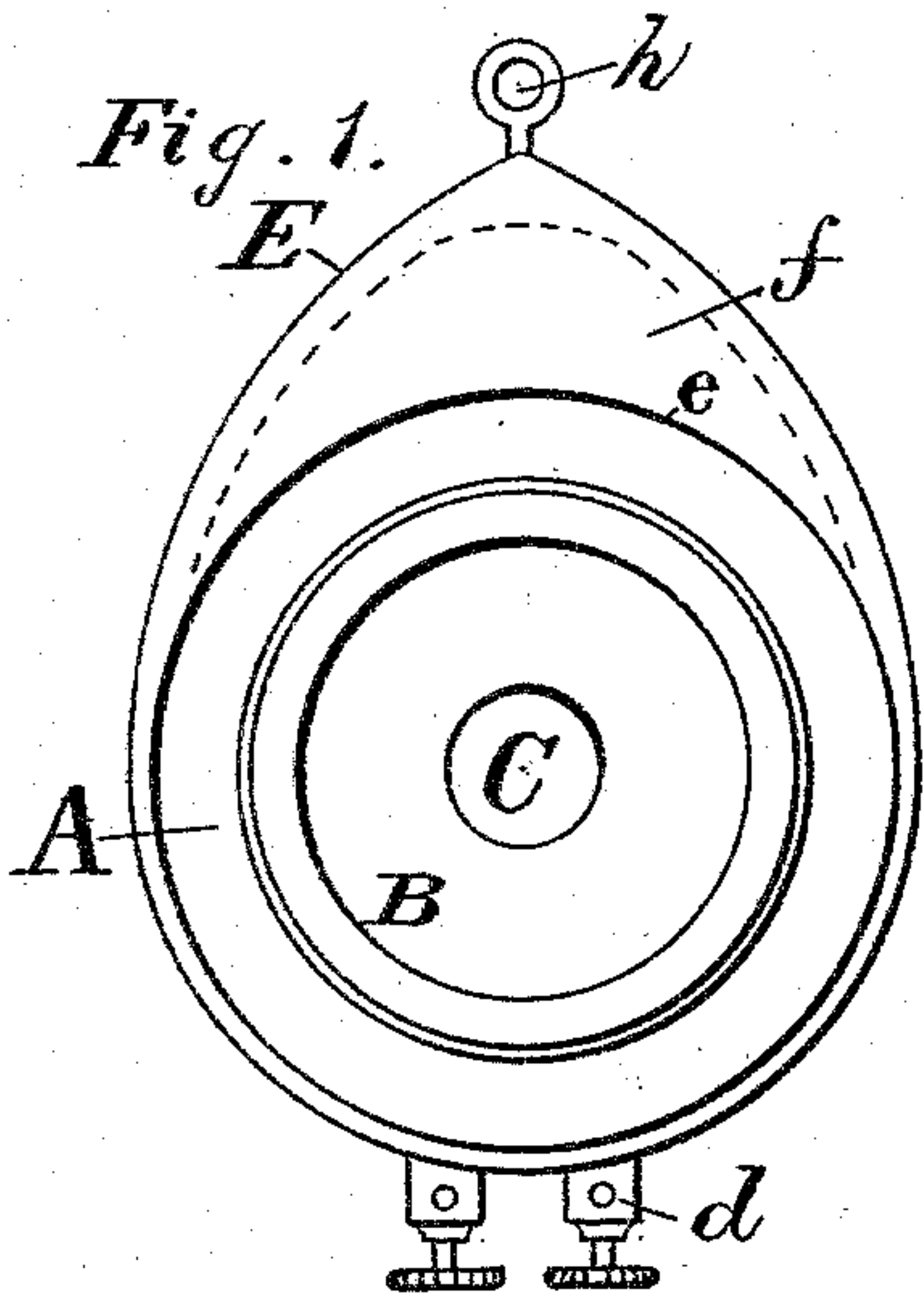


Fig. 3.



Witnesses:
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By his Atty
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UNITED STATES PATENT OFFICE.

JOSEPH F. BATCHELOR, OF BALTIMORE, MARYLAND.

TELEPHONE-RECEIVER.

SPECIFICATION forming part of Letters Patent No. 281,000, dated July 10, 1883.

Application filed February 23, 1882. Renewed April 6, 1883. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH F. BATCHELOR, a citizen of the United States, residing at Baltimore, in the State of Maryland, have invented certain new and useful Improvements in Telephone-Receivers, of which the following is a specification, reference being had therein to the accompanying drawings.

The object of my invention is to provide a telephone-receiver containing the diaphragm, magnet, and coil arranged in their usual relative position, and provided with means by which to suspend it from the top of the ear, and with the wires connected at and through the lowermost part of the receiver, whereby the pull on the receiver which the weight of the wires occasions does not tend to draw the receiver from the ear.

In the drawings hereto annexed, Figure 1 is a front or inner side view of a single receiver. Fig. 2 is a vertical transverse section of same. Fig. 3 shows the application of the receiver to the ear, or the manner of supporting it.

The letter A designates the outer case of the receiver, made of any suitable material, and, like the ordinary receiver, having a circular form. B is the ear-piece, and C the diaphragm, fastened in any suitable manner, or as such parts are usually constructed. The magnet *a* and coil *b* occupy the cavity or socket *c* in the case, and have the usual position relative to the diaphragm. The wires are to be connected through the bottom part of the rim of the receiver at *d*, which arrangement possesses the advantage hereinafter described. The receiver is provided upon one side of its rim, which becomes the top, with a shell, E, of such shape as adapts it to fit upon the top of the ear, and thereby to serve as a support for the receiver, being practically a means by which the receiver may be hung upon the ear. The curved

edge *e* of the shell will fit over and rest upon the top of the ear. The part *f*, which projects upward, is adapted to be in contact with the head, while the socket *g*, within the curved edge, affords space for the top of the ear. A loop or ring, *h*, is provided on top of the shell, by which the receiver may be hung up when not in use.

The operation of my device will be readily understood. By simply adjusting the supporting curved edge of the shell upon the top of the ear, the receiver will be sustained, and, owing to the fact that the connection of the wires is made at the bottom or lowermost part of the receiver, the draft or pull thereon occasioned by the weight of the wires is more directly downward, and not lateral, as would be the case if attached to the vertical back wall of the receiver. Attached as here indicated, the wires will not draw the suspended receiver from the ear. It will be observed that the construction of the shell E, by which the receiver is sustained, and its relation to the ear-piece B are such as to entirely inclose the ear, and thereby all distracting sounds are for the time excluded.

Having described my invention, I claim and desire to secure by Letters Patent of the United States—

A telephone-receiver provided with a shell having a curved edge to rest upon the ear and a socket for the top of the ear, and having the wires connected at the bottom or lowermost part of the receiver, as and for the purpose set forth.

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

JOSEPH F. BATCHELOR.

Witnesses:

JNO. T. MADDUX,
CHAS. B. MANN.