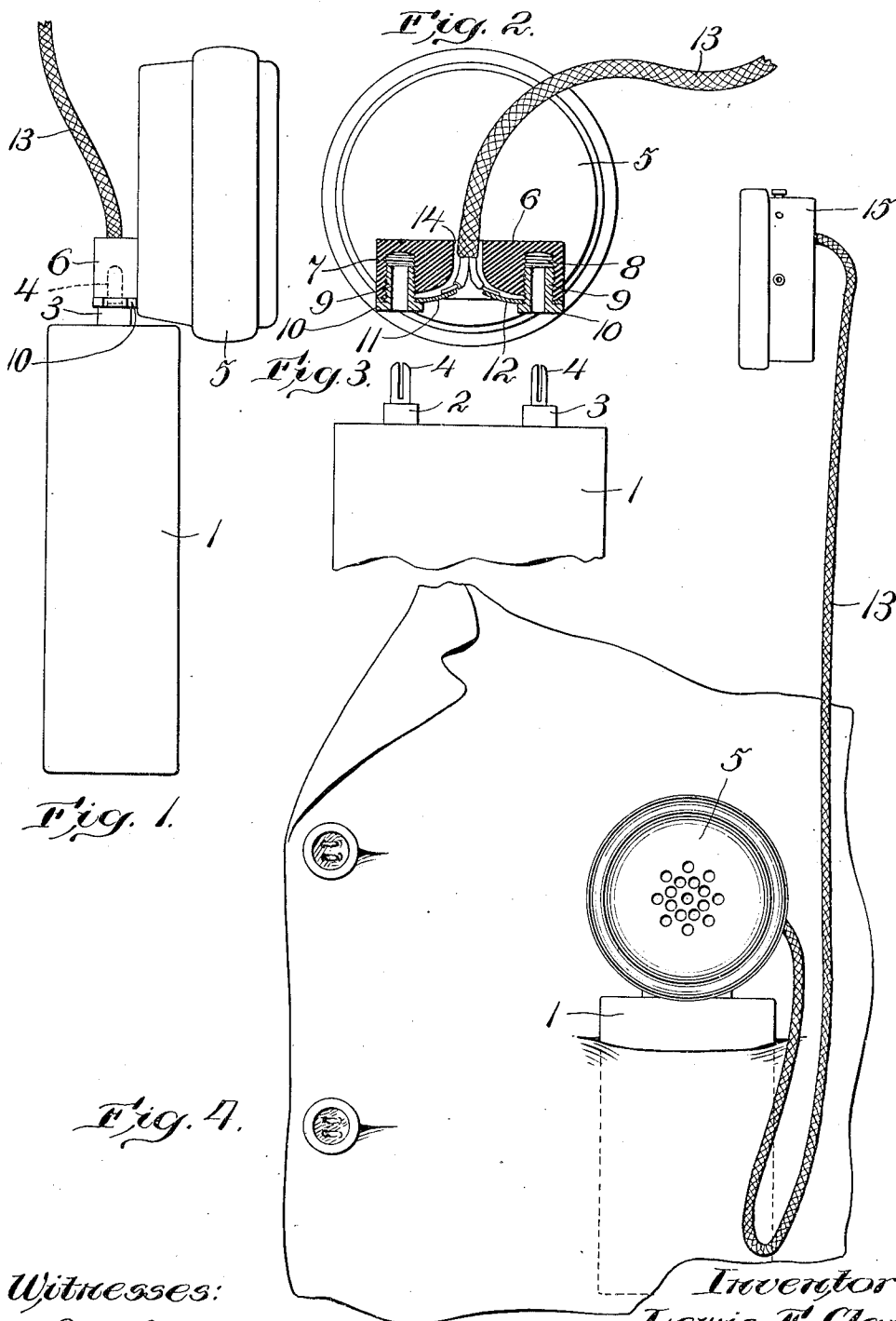


No. 849,353.

PATENTED APR. 2, 1907.

L. F. CLARKE.
ELECTRIC EAR PHONE.
APPLICATION FILED FEB. 13, 1907.



Witnesses:
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UNITED STATES PATENT OFFICE.

LEWIS F. CLARKE, OF BOSTON, MASSACHUSETTS, ASSIGNOR TO GLOBE EAR PHONE COMPANY, OF BOSTON, MASSACHUSETTS, A CORPORATION OF MASSACHUSETTS.

ELECTRIC EAR-PHONE.

No. 849,353.

Specification of Letters Patent.

Patented April 2, 1907.

Application filed February 13, 1907. Serial No. 357,154.

To all whom it may concern:

Be it known that I, LEWIS F. CLARKE, a citizen of the United States, residing at Boston, in the county of Suffolk and State of Massachusetts, have invented an Improvement in Electric Ear-Phones, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

My invention aims to make more convenient the small pocket-telephones commonly provided for deaf people. Such instruments when of the detachable or separable construction have been heretofore commonly cumbersome and awkward and have required more or less mechanical skill and the use of tools, &c., to take them apart.

My invention, although relating to a small detail, aims to make this delicate and essential instrument much more convenient for the average user, and to this end I place the contact-posts of the pocket-battery at the upper end of the battery, so that the latter can readily slip into the coat-pocket without inconvenience, and I provide at the back of the transmitter a socket-containing terminal piece from which the circuit-wires lead from the transmitter to the receiver. This arrangement enables the user to separate the battery and the rest of the apparatus instantly and readily whenever he desires to do so.

The constructional details of my invention will be pointed out with reference to the accompanying drawings, in which—

Figure 1 represents the receiver and battery in edge or side view. Fig. 2 is a rear view of the transmitter, showing the terminal piece in section. Fig. 3 is a fragmentary view, in rear elevation, of the battery and top contact-posts; and Fig. 4 shows in front elevation the practical application of my invention in use.

At the upper end of a suitable flat pocket-battery 1 I provide contact-posts 2 3, having split spring-plug ends 4, the battery being closed small and compact, so as to fit down in the vest-pocket or coat-pocket, as shown in Fig. 4. The transmitter 5 is provided at its back with a terminal piece 6, preferably of insulating material, containing threaded openings 7 8 for receiving threaded sockets 9, whose shoulders 10 clamp in place circuit-terminals 11 12 of a cable 13, which passes out from the terminal piece 6 at 14 and leads thence to a receiver 15, of usual or preferred kind.

By reason of my invention the transmitter may be readily disconnected from the battery instantly without removing the battery from the pocket and may be replaced conveniently whenever required. The instrument, although capable of dismemberment in this manner, is exceedingly compact and neat in appearance, no contact-springs or attachments are required at the bottom or side of the battery, as heretofore, and in spite of the detachable construction of the apparatus there is nothing that can get out of order.

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

An electric ear-phone, comprising a pocket-battery having separated contact-plugs projecting from its upper end, combined with a transmitter having a socket-piece provided with separated sockets adapted to aline with and receive said plugs, and circuit-terminals held by said socket-piece and engaged with said sockets.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

LEWIS F. CLARKE.

Witnesses:

GEO. H. MAXWELL,
WM. J. PIKE.