

C. E. BILTON.  
TELEPHONE APPARATUS.  
APPLICATION FILED JULY 28, 1908.

919,812.

Patented Apr. 27, 1909.

Fig. 1.

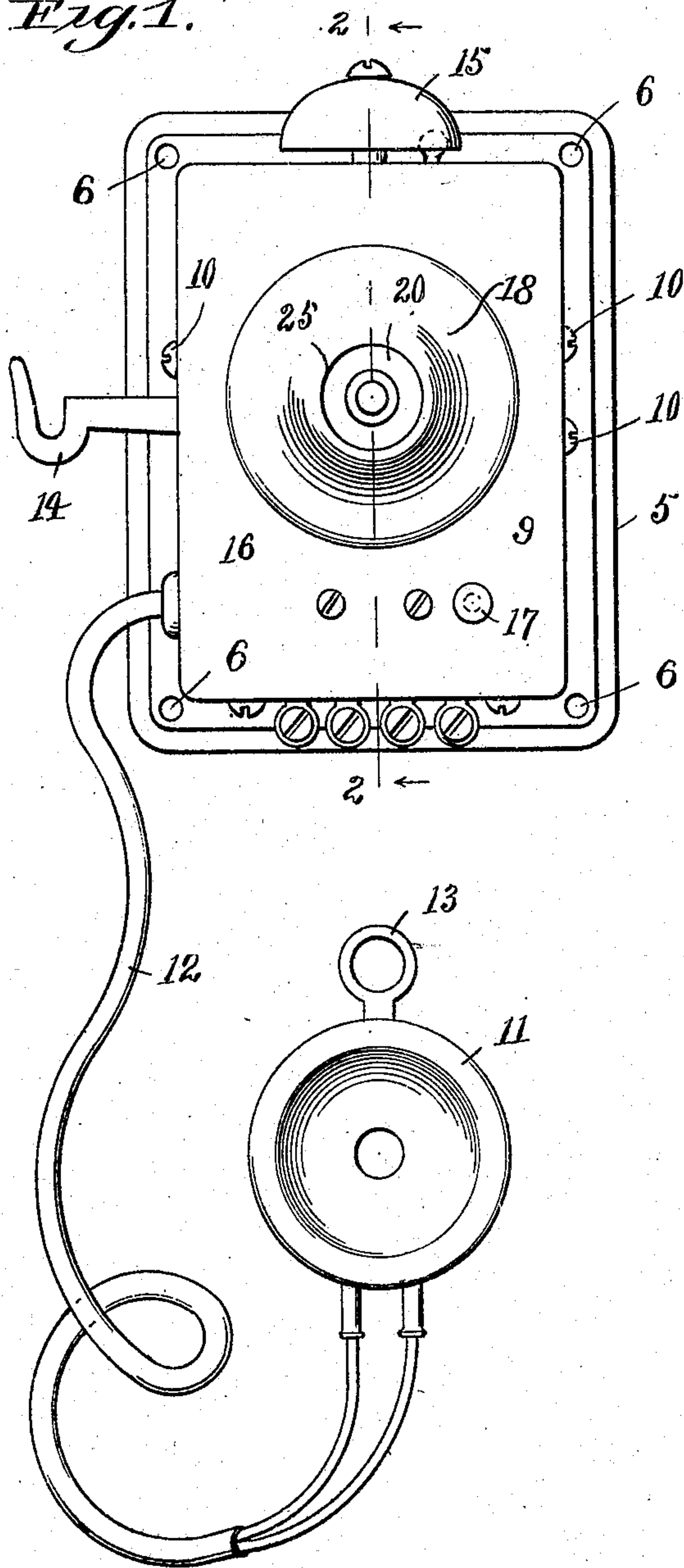
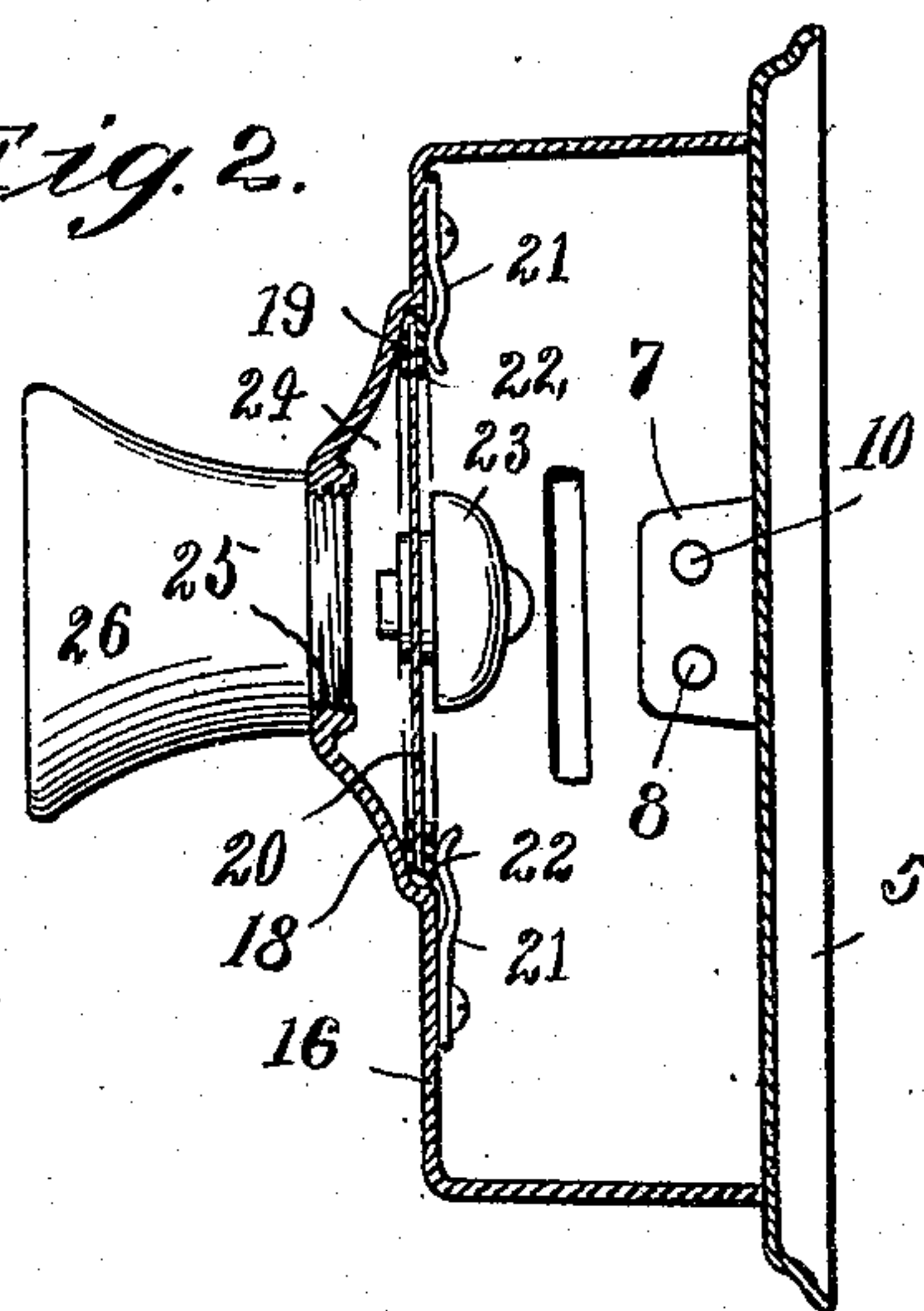


Fig. 2.



WITNESSES

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## TELEPHONE APPARATUS.

No. 919,812.

Specification of Letters Patent.

Patented April 27, 1909.

Application filed July 28, 1908. Serial No. 445,734.

*To all whom it may concern:*

Be it known that I, CLARENCE E. BILTON, a citizen of the United States, and resident of Bridgeport, in the county of Fairfield and State of Connecticut, have invented certain new and useful Improvements in Telephone Apparatus, of which the following is a specification.

My invention relates to new and useful improvements in telephones and particularly to the construction of the box or case thereof.

It is the purpose of my invention to design a telephone case that can be inexpensively constructed from sheet metal in a way which will permit of the case being assembled in a convenient and practical manner, and into which the several parts of the telephone may be quickly attached; further to form a diaphragm pocket within the front of the case integral and simultaneously with the formation of the face plate of the case, and finally to provide for the attachment of a mouth piece to the said diaphragm chamber, all of which is done in a practical and attractive way with a view of constructing a telephone that can be sold for a very small figure.

With the above and other minor objects in view my invention resides and consists in the novel construction and arrangement of a telephone case as shown in the accompanying sheet of drawings forming a part of this specification, upon which similar characters of reference denote like or corresponding parts throughout the several figures and of which, Figure 1, shows a front elevation of a telephone including a case constructed in accordance with my invention, the mouth piece being omitted therefrom. And Fig. 2, is a central vertical longitudinal section through the case of the telephone shown in Fig. 1 the operative parts of the telephone being omitted, for the sake of clearness.

Referring in detail to the characters of reference marked upon the drawings 5 indicates the back plate of the telephone case shown in Figs. 1 and 2, which as noted is designed to be constructed of sheet metal and provided with suitable screw holes 6 for its attachment to a side wall as for service. This back plate is provided with a pair of ears 7 that are struck up therefrom and disposed outward at a right angle and provided with screw holes 8 for the attachment of a front case 9. The case 9 as shown in Figs. 1 and 2 is of a rectangular formation comprising sides

and end portions whereby with the attachment of the back plate 5 before mentioned a complete inclosed case is formed. The several internal parts of the telephone, not shown, are secured to and connected up within the inside of this case in their proper orders so as to produce an operative device. The screws 10 pass through holes in the side of the case and engage the before mentioned holes 8 of the ears 7 in a way to secure the parts together, and to permit of the detachment of the case should it be desirable to get inside for any purpose.

11 represents the usual receiver connected to the body of the instrument through the wire 12 which may also be of any preferred construction. This receiver is provided with an extended eye 13 whereby it may be suspended from the hook 14 and may serve to hold the same when the instrument is not in use.

15 represents a call bell which is attached to the upper part of the case and together with hook, receiver, etc., would be connected up with other operating parts to form a complete instrument. The front plate 16 of the case may be further provided with any preferred number of push buttons 17 for making connections, as for instance when connected up with a series of other telephones.

16 indicates the front portion or plate of the case, a part of which is stamped outward to form an annular shouldered recess 19 upon the inner side to receive the diaphragm 20, which may be held in place by the metal clips 21 and is provided with the usual rubber gasket 22 around its edge, a carbon button 23, and would otherwise be provided and connected up with all other necessary parts and elements to form a complete telephone. A pocket 24 is thus formed outside of the diaphragm, better to expose the entire surface of the diaphragm, to the actions of the sounds when spoken thereagainst. The outer face of the struck up portion 18 of the face plate is provided with a central hole 25 the edge of which is turned in and threaded to receive the mouth piece 26 which is properly shaped and adapted to fit therein as shown in Fig. 2.

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

A wall telephone case formed of two parts of sheet metal and including a back plate with ears struck up therefrom, a rectangular



shaped front part including integral top, bottom and side portions to engage said ears and having the central portion of said front stamped outward to form a shouldered  
5 pocket to receive a diaphragm, and having a central hole through said stamped up portion with its edge turned in and threaded for the attachment of a mouth piece.

Signed at Bridgeport, in the county of Fairfield, and State of Connecticut this 24th 10 day of July, A. D., 1908.

CLARENCE E. BILTON.

Witnesses:

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