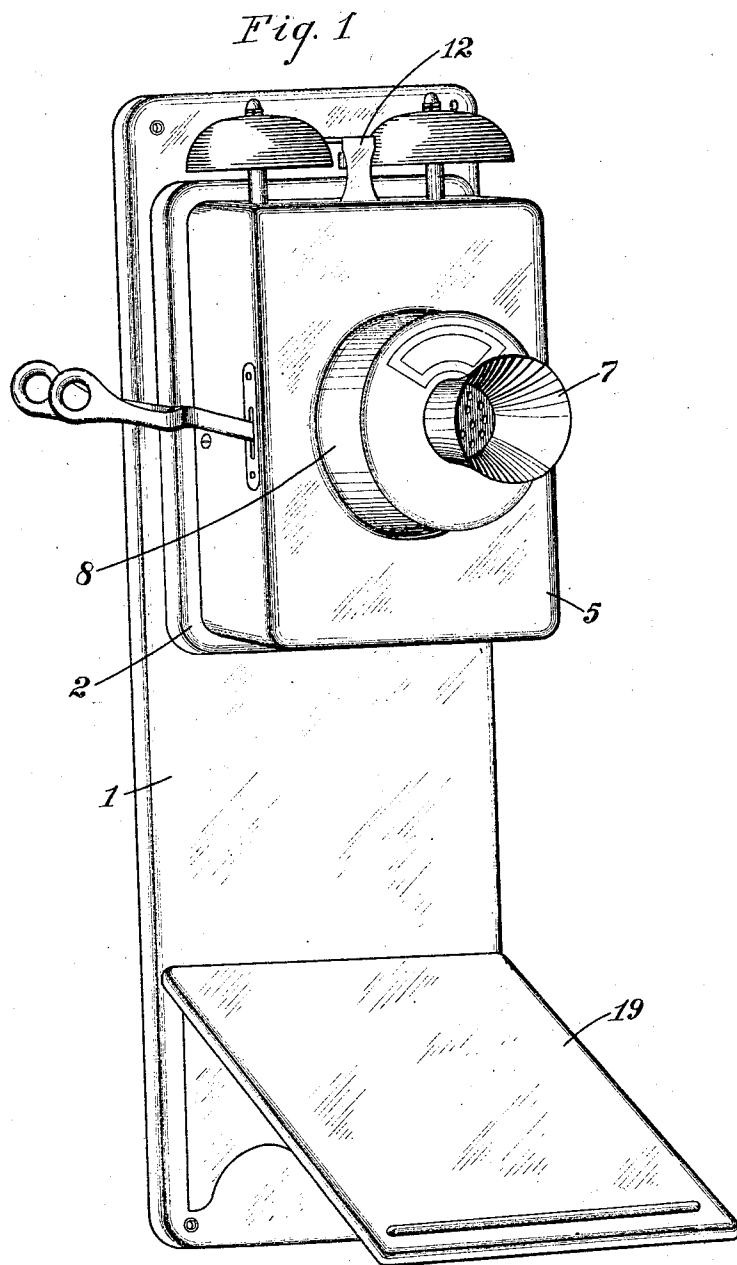


R. H. MANSON.
TELEPHONE WALL SET.
APPLICATION FILED FEB. 14, 1910.

Patented July 30, 1912.
2 SHEETS-SHEET 1.

1,033,817.



Witnesses

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His Attorney

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Fig. 2

Fig. 3

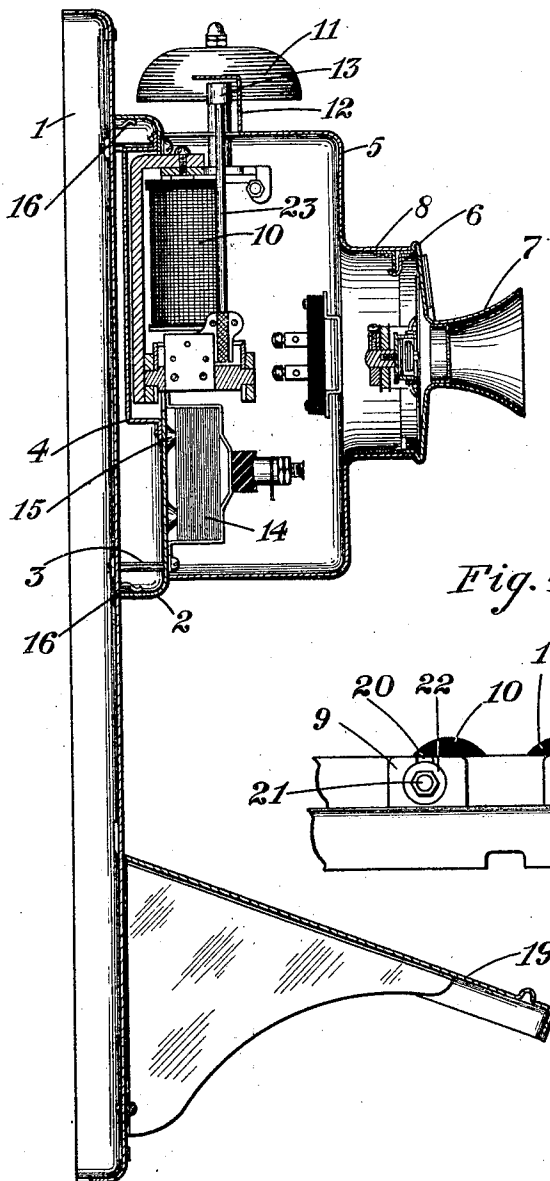
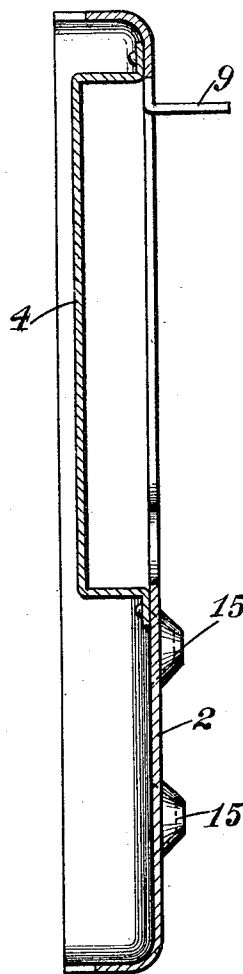
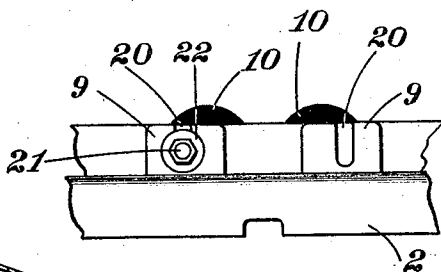


Fig. 4



Witnesses

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UNITED STATES PATENT OFFICE.

RAY H. MANSON, OF ELYRIA, OHIO, ASSIGNOR TO THE DEAN ELECTRIC COMPANY, OF ELYRIA, OHIO, A CORPORATION OF OHIO.

TELEPHONE WALL SET.

1,033,817.

Specification of Letters Patent.

Patented July 30, 1912.

Application filed February 14, 1910. Serial No. 543,870.

To all whom it may concern:

Be it known that I, RAY H. MANSON, a citizen of the United States, residing at Elyria, in the county of Lorain and State of Ohio, have invented certain new and useful Improvements in Telephone Wall Sets; and I do hereby declare the following to be a full, clear, and exact description of my invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to telephone wall sets and has for its object the production of a telephone which may be used as a complete wall set. I construct the telephone apparatus containing part in such a way that the same may be removed from the wall board and used as what is known as a "hotel set." Parts of my improved set may be used in the desk stands, thus making an interchangeable line of apparatus which greatly conveniences the operating companies who may keep such telephones on hand and change them about to suit the demand, or who may use the interchangeable parts upon any type of telephone which convenience requires.

In the form shown in the drawing I show a steel wall set of the common battery type. All the telephone apparatus I show in a single compartment which may be detached from the wall board and connected directly to the wall. I have shown a bay window bottom in the casing to protect the rear of the box when so used. A part of the walls (here shown as the bottom) of this box is punched out to form hangers for the ringer. Another part is punched out to form a clapper guard. The front of the box is punched out to form a turret for the transmitter. This simple and convenient method of constructing these parts reduces the trouble and expense of making the set, thus adding to its utility, enabling me to reduce the price and placing the instruments within the reach of many who could not afford the more complicated and expensive instruments.

My invention will be best understood by reference to the following description when taken in connection with the accompanying illustration showing one specific embodiment thereof, while its scope will be more

particularly pointed out in the appended claims.

Figure 1 is a perspective view. Fig. 2 is a vertical cross section through the center of the set. Fig. 3 is an enlarged view of the back board shown in section. Fig. 4 is an enlarged view of a portion of this board showing the hangers.

Referring now to the drawings, 1 is a hollow wall board which is better made of sheet metal punched into the dishlike shape illustrated. This is adapted to be attached to the wall or other solid support. Regulating members 16 are punched from the wall board and serve to regulate the position of the back board 2. This board is constructed by punching out a hollow dishlike piece after the manner of the wall board. Bolts 3 detachably connect the back board to the wall board. A part of the back board is cut away and a bay window bottom 4 attached to the board to cover the opening. I have used the expression "bay window bottom" from the resemblance to what is known as a bay window in architecture. This bottom may be detachably or rigidly connected to the back board and may be temporarily or permanently attached thereto. This bottom serves to protect the telephone apparatus when the back board is separated from the wall board. A casing front 5 is connected (preferably hinged) to the back board and covers the telephone apparatus upon this board. A turret 8 is constructed upon the front 5 integral therewith and open at the front. The opening is covered by a front piece 6 having a mouthpiece 7 integral therewith. These parts are thus stationary with respect to the rest of the apparatus. The edge of the opening in the back board is turned up at 9 to form hangers for the telephone ringers. Slots 20 are cut in these hangers into which threaded pieces attached to the ringers 10 are slipped and the washers 22 and nuts 21 placed thereon to secure the ringers in position. The ringer gongs 11 and the clappers 12 are shown of standard equipment. The clapper rod 23 extends upward through an opening in the casing 5 to the exterior of the casing. A portion 12 of the casing is turned up and over the top of the clapper serving as a guard therefor.

At 14 I show a condenser mounted upon the back board and resting with its rear upon the bosses 15 thereof.

At 19 I show a shelf attached to the wall 5 board.

By cutting away the rear of the back board and placing a bay window bottom therein, I have economized space and constructed a snug place for the ringer. The 10 boards being of metal, it is necessary to turn them up along the edges to give them the desired rigidity. Metal thick enough to furnish such rigidity without turning up along the edges would be too heavy for the 15 purpose. By eliminating the pivot arrangement for the transmitter, I eliminate the wearing effect of the cord caused by bending it when the transmitter is turned upon this pivot. The clapper guard which is generally 20 made in a separate piece and fastened upon the casing, I cut from the metal of the casing itself, saving several operations thereby. These and other improvements and advantages I contemplate in my improved set. 25 While I have shown this particular form, it will be obvious to those skilled in the art, that numerous and extensive departures from the form and the details of the apparatus here shown may be made without departing from the spirit of the invention, the same being herein shown solely for the purpose of clearly illustrating one specific embodiment thereof.

I claim:

35 1. In a telephone set, the combination of a hollow wall board, a hollow back board detachably connected thereto, a ringer mounted on said back board, a condenser mounted 40 on the back board, a hollow front hinged to said back board and gongs for said ringer carried by said front, said hollow front inclosing and housing said ringer and said condenser when closed against said back board.

45 2. In a telephone wall set, the combination of a hollow wall board, a hollow back board detachably connected thereto, a bay window bottom for said board, a hollow front hinged to said back board, and telephone 50 apparatus housed within said front when the same is closed.

3. In a telephone wall set, the combina-

tion of a hollow wall board, a hollow back board detachably attached thereto, a bay window bottom for said back board, a front 55 for said set, and telephone apparatus attached to said back board and housed between said artificial bottom and said front.

4. In a telephone set, the combination of a hollow wall board, a hollow back board 60 detachably connected thereto, and having an opening cut therein, a hanger formed by bending up the edge of said opening, telephone apparatus suspended from said hanger, a bay window bottom for said back board 65 covering said opening and a front hinged to said back board.

5. In a telephone wall set, the combination of a hollow back board made of sheet material and having an opening therein, a 70 bay window bottom covering said opening, hangers attached to said board at the opening, and telephone apparatus suspended from said hangers.

6. In a telephone set, the combination of 75 a back board having an opening therein, a portion of an edge of said opening being bent up to form a hanger, telephone apparatus suspended from said hanger and a bay window bottom applied to said back 80 board behind said opening.

7. In a telephone set, the combination of a back board, a metal front therefor, a transmitter turret on the front part of said front and integral therewith, a transmitter housed 85 in said turret, a cover for said turret, a mouthpiece projecting therefrom and telephone apparatus housed between said back board and said front.

8. In a telephone set, the combination of 90 a back board, a sheet metal front therefor, a cylindrical transmitter turret integral with the metal of the front, a transmitter housed in said turret, a cover for the top of the turret, a mouthpiece connected to said cover 95 and telephone apparatus between said back board and said front.

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

RAY H. MANSON.

Witnesses:

F. O. RICHEY,
C. A. SEVERCOOL.