No. 893,219. PATENTED JULY 14, 1908.

W. B. ALTICK.

TELEPHONE CABINET.

APPLICATION FILED NOV. 15, 1907.

2 SHEETS—SHEET 1.

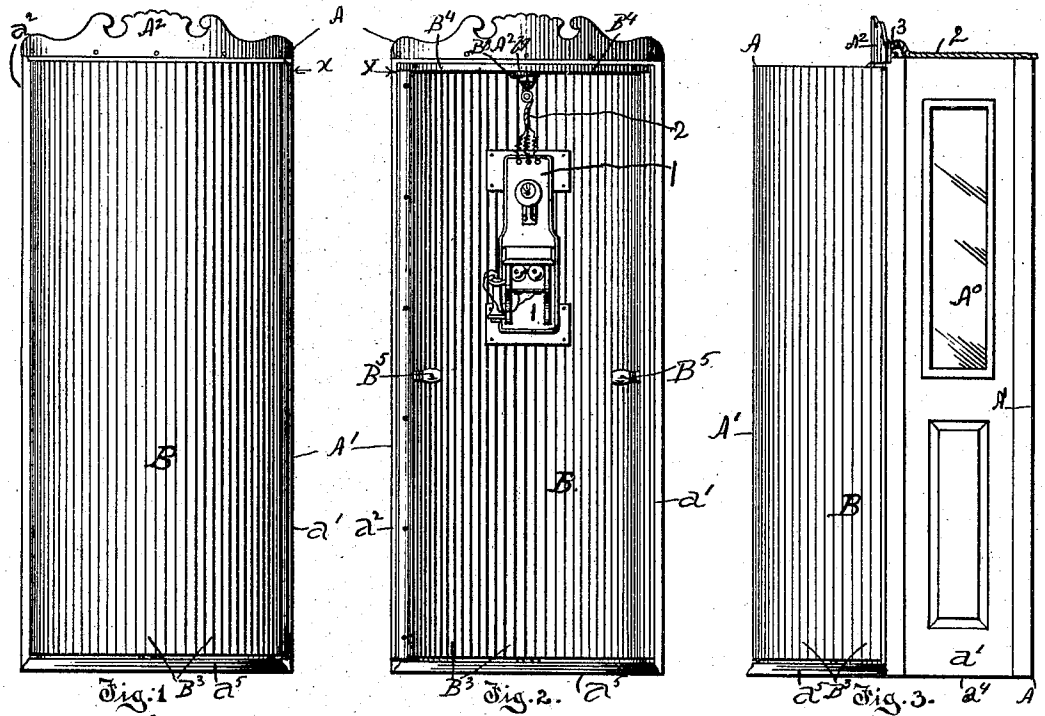


Fig. 1.

Fig. 2.

Fig. 3.

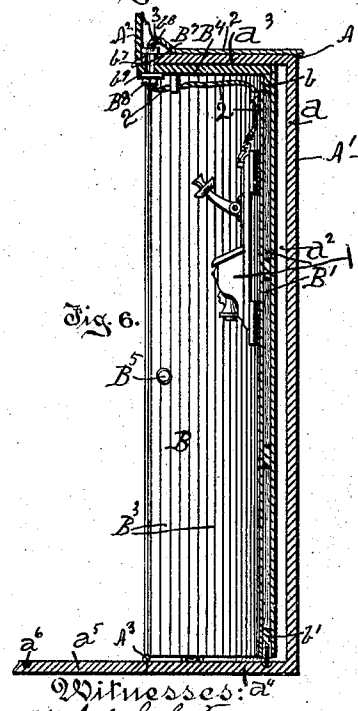


Fig. 6.

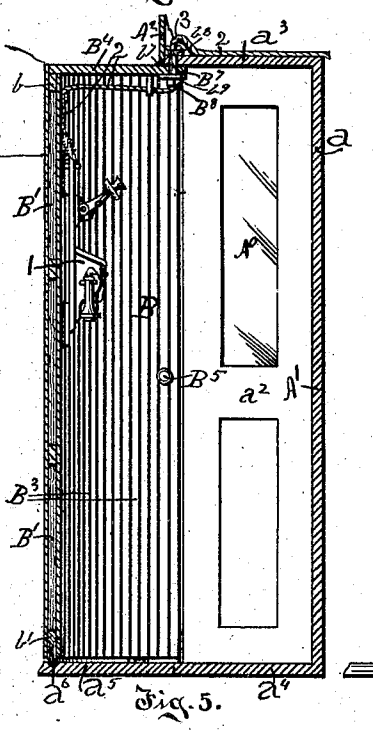


Fig. 5.

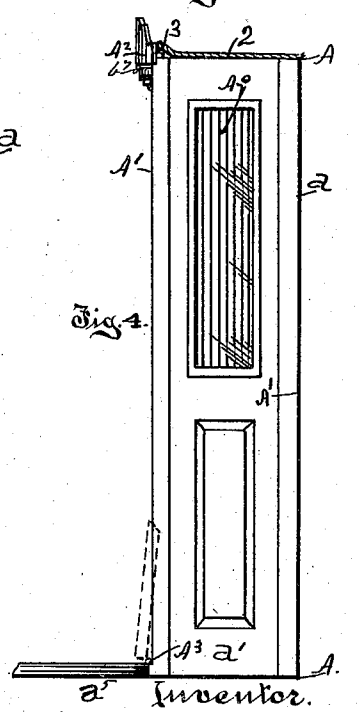


Fig. 4.

Witnesses:
Mabel L. LeFevre.
Fred P. Mentzer.

Inventor.
William B. Altick,
By Hess & Thompson
Attorneys.

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2 SHEETS—SHEET 2.

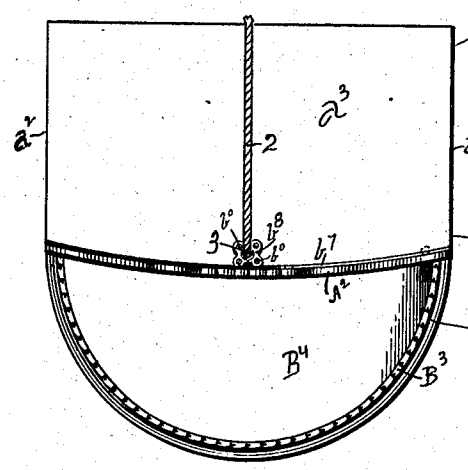


Fig. 7.

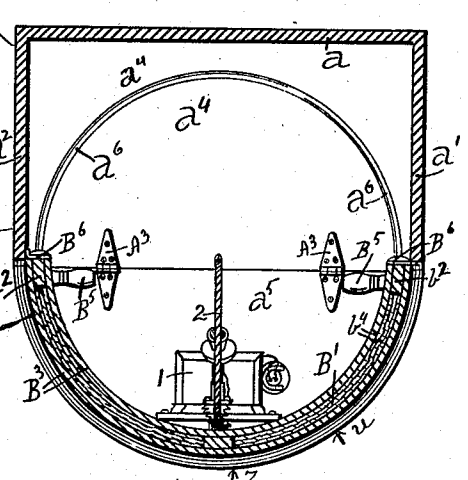


Fig. 8.

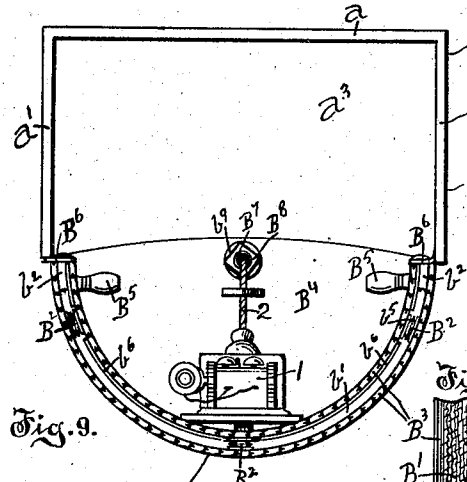


Fig. 9.

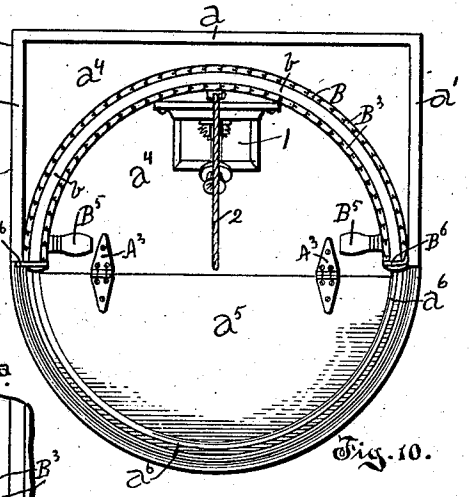


Fig. 10.

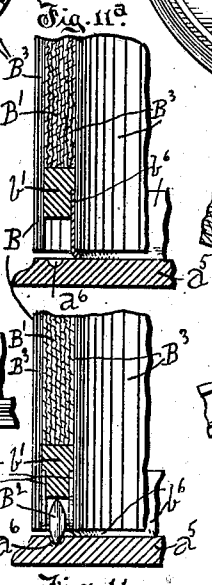


Fig. 11.

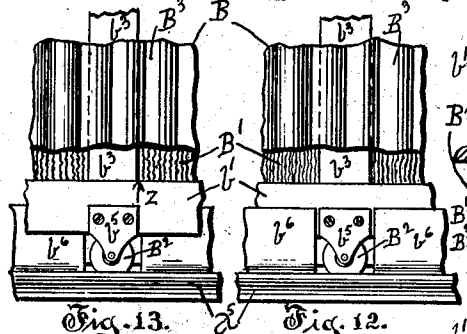


Fig. 13. Fig. 12.

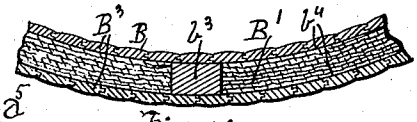


Fig. 14.



Fig. 15.

Witnesses:
Mabel L. LeFevre.
Randolph Mentzer.

Inventor.
William B. Altick.
By Hewes & Thompson
Attorneys.

UNITED STATES PATENT OFFICE.

WILLIAM B. ALTICK, OF LANCASTER, PENNSYLVANIA.

TELEPHONE-CABINET.

No. 893,219. Specification of Letters Patent. Patented July 14, 1908.

Application filed November 15, 1907. Serial No. 402,294.

To all whom it may concern:

Be it known that I, WILLIAM B. ALTICK, a citizen of the United States, residing at Lancaster, in the county of Lancaster and State of Pennsylvania, have invented certain new and useful Improvements in Telephone-Cabinets, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to improvements in a telephone cabinet or closet of that class in which there is a suitable casing or frame practically rectangular in form, having three closed sides, with top and bottom plates and an open front and in which a suitable semi-cylindrical body, supported by rollers at the lower end thereof, is adapted to close and open said front, completing the cabinet.

The object of the invention is to provide a neat and convenient cabinet for the purpose of housing a telephone, insulating the same, or cutting it off, as much as possible, from all outside sounds or noises while using the instrument, said noises and sounds being extremely annoying as well as detrimental to satisfactory communication; and the invention may be considered as an improvement on that embodied and disclosed in Patent No. 756,091, issued March 29, 1904, to this applicant.

The elements of the invention will severally and at large appear in the following description, and they will be separately or combinedly set forth or pointed out in the appended claim or claims.

The purposes of the invention are attained by the mechanism, devices and means illustrated in the accompanying drawing, with similar reference characters to designate like parts throughout the several views, in which:—

Figure 1 is a front elevation of the completed cabinet referred to in the opening paragraph hereto; Fig. 2 is a similar elevation showing the front end open with a telephone in place. Fig. 3 is a side elevation of Fig. 1 as it appears when viewed from the right. Fig. 4 is a side elevation of Fig. 2 as it appears when viewed from the right. Fig. 5 is a longitudinal central vertical section of Fig. 1 as it appears when viewed from the right. Fig. 6 is a longitudinal central vertical section of Fig. 2 as it appears when viewed from the right. Fig. 7 is an enlarged plan of the casing as it appears in Fig. 1 when viewed from above. Fig. 8 is a horizontal sectional plan of the same as it appears when viewed from above, the section being taken through the point x in Fig. 1. Fig. 9 is an inverted plan of the same with the bottom plate of the casing removed. Fig. 10 is a plan of the portion below the point y in Fig. 2. Fig. 11 is an enlarged sectional elevation of the base plate taken at the point z in Fig. 8, showing the lower end portion of the inclosing wall of the cylindrical body and the central supporting roller in place. Fig 11^a is a similar elevation taken at the point u in Fig. 8 as it appears when viewed from the right. Fig. 12 is a direct elevation of the portion shown in Fig. 11 with the lower ends of the covering slats removed, as it appears when viewed from the left. Fig. 13 is a similar elevation of the same as it appears when viewed from the right. Fig. 14 is a direct plan of the same portion as it appears when viewed from the top. Fig. 15 is an inverted plan of Fig. 14.

In the drawing A designates the completed cabinet referred to in the opening paragraph hereto, of the required dimensions to house a telephone and to completely inclose the person of the individual desiring to use the same, said cabinet being adapted to be placed in an upright position and rigidly secured in place as against a vertical wall in a room, office or hall containing said telephone, but the wall is not here shown. The cabinet comprises a supporting frame or casing A^1 having a rear side wall a, a right end wall a^1 and a left end wall a^2 with a top plate a^3 and a bottom plate a^4, said walls and plates having their edges rigidly secured in place in any approved manner. In the right and left hand end walls a^1 and a^2, in the upper portions thereof, are placed transparent panels A^0 as of plate glass for the purpose of transmitting light into the cabinet. The top plate a^3 has at its forward end edge, rigidly secured thereto, an upwardly projecting ornamental molding A^2, and the bottom plate a^4, at the forward end edge thereof, has hinged thereto as by strap hinges A^3, the rear end edge of a semicircular plate a^5 for the purpose of turning it up to be folded inwardly against the front edges of the end walls of the casing as indicated by dotted lines in Fig. 4, while in the upper surface of said latter plate a^5, adjacent to the peripheral edge thereof, is formed a groove or recess a^6, and which groove is continued rearwards in the upper surface of said bottom plate a^4, forming a circular guide way for the rollers supporting a

semi-cylindrical body yet to be described. Rotatably mounted within said casing A^1 is a semi-cylindrical body B comprising a skeleton frame with a top rail b and a bottom rail b^1 both practically semi-circular in form, with end posts b^2 secured to their extremities and their centers joined by a post b^3 leaving interstices or spaces b^4 between said posts and rails, which interstices are filled with any approved packing B^1 preferably of a non-sound conducting substance. Against the outer and inner surfaces of the lower end rail as at the central and end points thereof are secured, in any approved manner, roller bracket plates b^5 having pivoted between their lower ends rollers B^2 adapted to engage in said circular guide way. Against the outer and inner surfaces of said top and bottom rails are rigidly secured in any approved manner the extremities of vertical slats or strips B^3, having their edges provided with tongues and grooves for joining them. To the inner surface of the top rail is secured in any approved manner the peripheral edge of a practically semi-circular plate B^4, completing said cylindrical body. At the required points, the end posts b^2 are provided with hand grips or knobs B^5 whereby said cylindrical body is rotated, opening or closing said cabinet. Against the inner surface of the lower end rail and between the roller bracket plates b^5 are secured strips or pieces b^6 of any approved packing, as of india rubber to cover the space between the lower ends of the inside strips B^3 and the upper surface of the cabinet bottom. Against the outer edges of the end posts b^2 are secured in any approved manner strips B^6 to cover said edges and to engage against the forward ends of the end walls, closing spaces which may form therebetween when the cabinet is closed. Against the forward edge of the plate a^3 and before the molding A^2 is affixed in place, is rigidly secured in any approved manner the upper end of a packing strip b^7 being of such a width that its lower end edge will engage on the top surface of said plate B^4, closing the space which may form therebetween. At the required point adjacent to the forward edge of the top plate a^3 and at the required point adjacent to the rear end edge of the plate B^4, on their respective center lines, said plates are provided with registering orifices through which a tube B^7 of the required dimensions is inserted, said tube having at its upper end a head b^8 with screws b^0 therethrough, and its lower end screw-threaded with a washer b^9 placed thereon and a nut B^8 screwed home on said screwthreaded end and against said washer, rotatably pivoting said cylindrical body and casing together, thus completing the cabinet.

In the drawing the numeral 1 designates a telephone of the Bell type, but any other form or make of instrument may be used in place, which telephone is located in the upper portion of the casing and is rigidly secured in any approved manner to the inner or concave surface of the semi-cylindrical body B, so as to be inclosed in the cabinet when said semi-cylindrical body is rotated so as to close the open front end of the casing A^1. Extending across the top of the casing from rear to front, on the center line of the plate a^3 is a roll 2 of the usual strands of wires which are here shown to be twisted together, and secured in place in any approved manner, electrically connecting the telephone with an electric source not shown in the drawing, said roll having its forward end 3 downwardly curving and passing through the tube B^7 the required distance, thence forwards and downwards to the upper end of the telephone where said strands are separated and secured through said end to the mechanism of the telephone, thus completing said electric connection. Said tube B^7, keeping said roll of strands in place and preventing it from twisting or untwisting, when said cylindrical body is rotated for the purpose of closing or opening the front of said casing.

The invention having thus been ascertained and described and the manner in which its functions are performed fully shown and set forth, what is considered new and desired to be secured by Letters Patent is:—

1. In a telephone cabinet, in combination, the casing A^1, comprising the rear end wall a, the right end wall a^1, the left end wall a^2, the top plate a^3, the bottom plate a^4, said plates and walls having their adjacent end edges rigidly secured together in any approved manner; the molding A^2 adjacent to the lower end edge thereof rigidly secured to the forward end edge of the top plate a^3 with the elastic strip b^7 therebetween, and the tube B^7 passing through the top plate a^3, said tube having at its upper end the head b^8 to engage on top of said plate a^3, with the screws b^0 passing therethrough and into the body of said top plate to secure said head and tube in place, said tube adapted to pivot thereto the upper end of the telephone inclosing body, substantially as described and for the purpose hereinbefore set forth.

2. The combination in a telephone cabinet with the casing A^1 as described of the cylindrical body B comprising the upper and lower practically semi-circular end rails b and b^1, having the posts b^2 joining the extremities thereof and the post b^3 connecting their centers, with the interstices or spaces b^4 between said posts and top and bottom rails, and the packing B^1 inserted in said interstices; the vertical slats or strips B^3 as described having their extremities rigidly secured in any approved manner to the concave and convex edges of said upper and lower end rails, with the semi-circular plate B^4 having its pe-

ripheral edge rigidly secured in any approved manner to the upper surface of said top rail b and its center adjacent to the diametrical edge thereof pivoted on the lower end of said tube B^7 having on its screwthreaded end the washer b^9 in engagement with the under surface of the plate B^4 and the nut B^8 on said screwthreaded end and screwed home against said washer, completing the pivoting of said cylindrical body to the casing, and the hand grips or knobs B^5 provided to operate said cylindrical body, with the elastic strips B^6 rigidly secured in any approved manner to the outer end edges of said end posts b^2, all substantially as described and for the purpose hereinbefore set forth.

3. In a telephone cabinet having the casing A^1 as described, the combination with the cylindrical body B as described and revolubly mounted within said casing, said cylindrical body having the top and bottom rails b and b^1 with the vertical slats having their extremities secured to the concave and convex edges thereof, of the roller bracket plates b^5 rigidly secured to the concave and convex edges of the bottom rail b^1 at the center and adjacent to the extremities thereof, and the rollers B^2 centrally pivoted between the lower ends of said bracket plates, with the elastic packing strips b^6 in the spaces between the roller bracket plates b^5 and rigidly secured to the concaved edge of said bottom rail to project below the lower end edge thereof; the telephone 1 mounted on and rigidly secured in any approved manner to the concaved surface of a cylindrical body above the horizontal center line thereof, and the coil of wires through the pivoting tube B^7 electrically connecting said telephone with an approved electric source before mentioned, substantially as described and for the purpose hereinbefore set forth.

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

WILLIAM B. ALTICK.

Witnesses:

CHAS. E. LONG,

MABEL L. LEFEVRE.