W. M. BRUCE, JR.

TELEPHONE BOX.

APPLICATION FILED APR. 4, 1907. RENEWED MAY 26, 1909.

944,412. Patented Dec. 28, 1909.

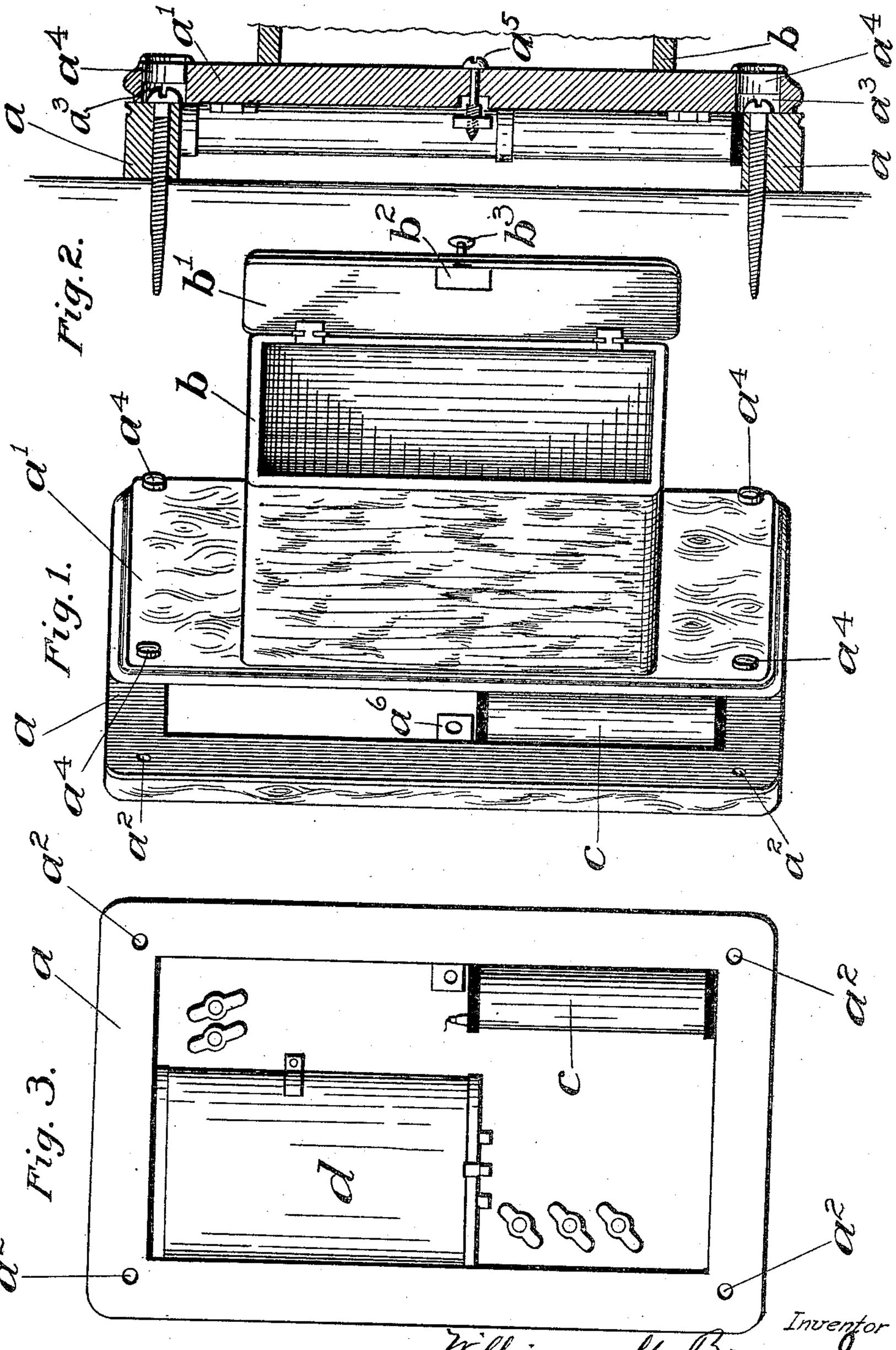

Fig. 1.

Fig. 2.

Fig. 3.

Witnesses

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UNITED STATES PATENT OFFICE.

WILLIAM M. BRUCE, JR., OF SPRINGFIELD, OHIO, ASSIGNOR, BY MESNE ASSIGNMENTS, TO THE AMERICAN AUTOMATIC TELEPHONE COMPANY, OF ROCHESTER, NEW YORK, A CORPORATION OF NEW YORK.

TELEPHONE-BOX.

944,412. Specification of Letters Patent. **Patented Dec. 28, 1909.**

Application filed April 4, 1907, Serial No. 366,364. Renewed May 26, 1909. Serial No. 498,569.

To all whom it may concern:

Be it known that I, WILLIAM M. BRUCE, Jr., a citizen of the United States, residing at Springfield, in the county of Clark and State of Ohio, have invented certain new and useful Improvements in Telephone-Boxes, of which the following is a specification.

My invention relates to telephone boxes and preferably to boxes for wall telephones.

The object of my invention is to provide a simple box or receptacle for a subscriber's telephone outfit which can be readily secured in place and in which all of the parts are readily accessible without interfering with the other parts.

My invention consists in the construction and combination of parts hereinafter described and set forth in the claims.

In the said drawings, Figure 1 is a perspective view of a box or receptacle employing my invention, the different parts being shown in open position. Fig. 2 is a sectional view of a portion of the same. Fig. 3 is a plan view of the box.

Like parts are represented by similar letters of reference in the several views.

In said drawings, a represents a rectangular frame preferably of wood but of any suitable material, which I term the base portion. a^1 is a top or cover to this base portion which also comprises the bottom of a rectangular box, b, which is preferably of somewhat smaller dimensions than the base portion, a, but is deeper and is provided with a hinged door, b^1. The lower or base portion, a, is preferably provided at each corner with a perforation, a^2, which extends entirely through the said base portion and is adapted to receive screws or other fastening devices by means of which the same is attached to the wall. The hinged portion, a^1, of the base, a, is also provided with corresponding perforations, a^3, but larger in diameter, being sufficiently large to permit the passage of the head of the screw or other fastening device. These perforations, a^3, in the hinged portion, a^1, are preferably provided with ferrules or sleeves, a^4, which are inserted from the outside of the same to form a finish and also to protect the sides of the perforation in the operation of securing the device in position. The hinged portion, a^1, is preferably locked to the base by means of a fastening screw, a^5, which extends from the inside of the box portion, b, downwardly through the hinged portion, a^1, and into a suitable retaining lug, a^6, by means of which the parts, a and a^1, are attached together. The box, b, and its door, b^1, will be of the usual construction and is adapted to contain the telephone transmitter, switches, etc. The base portion, a, is adapted to receive and retain the induction coil, c, and a condenser, d. These parts will be preferably secured to the underside of the hinged portion, a^1, of the said base or the bottom portion, b, of the box, so that when the said cover portion is opened these parts will be swung out in view and when it is closed they will be contained within the base portion, a. The door, b^1, will be provided with any suitable fastening device, preferably the ordinary lock, b^2, opened with a key, b^3, which key may be retained by the company operating the exchange. This arrangement of the box it will be seen furnishes a receptacle for the induction coil, c, and condenser, d, which are readily accessible without removing the box. The cover, b^1, being opened the operator may by inserting a screw-driver therein displace the fastening, a^5, and swing the box portion, b, on its hinges with the cover, a^1, and thus disclose the condenser and induction coil for examination or otherwise, the electrical connection being such that it will permit these parts to be readily opened without destroying said connection.

The entire box, including the base portion, will be secured to the wall or other suitable receptacle by means of any suitable fastening device preferably ordinary screws which are inserted through the opening, a^3, and passing through the perforation, a^2, in the base. The heads of these fastening devices rest on the base portion only, being adapted to pass through the perforations a^3. This permits the box to be placed in position without removing or opening either of the hinged portions or with all the parts intact. At the same time it permits the opening of either the main box or the supplemental box or base portion without interfering with the attaching devices, and further permits the ready inspection of any

of the apparatus contained in this box or receptacle without the necessity of detaching same from its permanent fastening.

Having thus described my invention, I claim:

1. In a telephone box, a base portion, and means for attaching the same to an extraneous support, a hinged lid or cover for the base portion having openings registering with the base fastening devices to permit the base to be removed or secured without removing the said cover, a main telephone box on the lid or cover having a hinged door, and means for securing said telephone box to said base portion, as set forth.

2. In a telephone box or receptacle, a base portion adapted to be secured to a wall or other surface by means of fastening devices which pass through said base portion, a hinged lid or cover for said base portion having corresponding openings for the fastening devices, permitting the fastening devices to be inserted or removed without removing said cover, a main telephone box on said lid or cover, and a fastening for said lid or cover operated from the interior of said box, a hinged door for said box, and means for securing said hinged door in its position, substantially as specified.

3. In a box or receptacle for telephones, a base portion and a main box or receptacle, perforations in the corners of said base, and a cover having similar perforations through which the fastening devices may be inserted, the main box being mounted on said cover, and a fastening device for said cover accessible from the interior of said box, a hinged door for said box, and a lock for said door, the perforations in said base cover corresponding to the perforations in said base portion to permit the insertion and removal of the base fastening devices without opening either of said receptacles, substantially as specified.

4. The combination of a condenser box having stationary walls which form a base, and means for connecting said condenser box to an extraneous support, a telephone box or casing hinged at the bottom to one side of the condenser box and having at the top a lid or cover hinged thereto, the hinged connections from the base and lid respectively to the telephone box being on the same side of the telephone box so that the parts will swing in the same direction toward one side and render the condenser box and telephone box independently accessible, as specified.

In testimony whereof, I have hereunto set my hand this 16th day of March, 1907.

WILLIAM M. BRUCE, Jr.

Witnesses:

Chas. I. Welch,

Clara Gallagher.