T. E. MURRAY.

ELECTRIC FUSE BOX.

APPLICATION FILED MAR. 19, 1908.

913,754.

Patented Mar. 2, 1909.

2 SHEETS—SHEET 1.

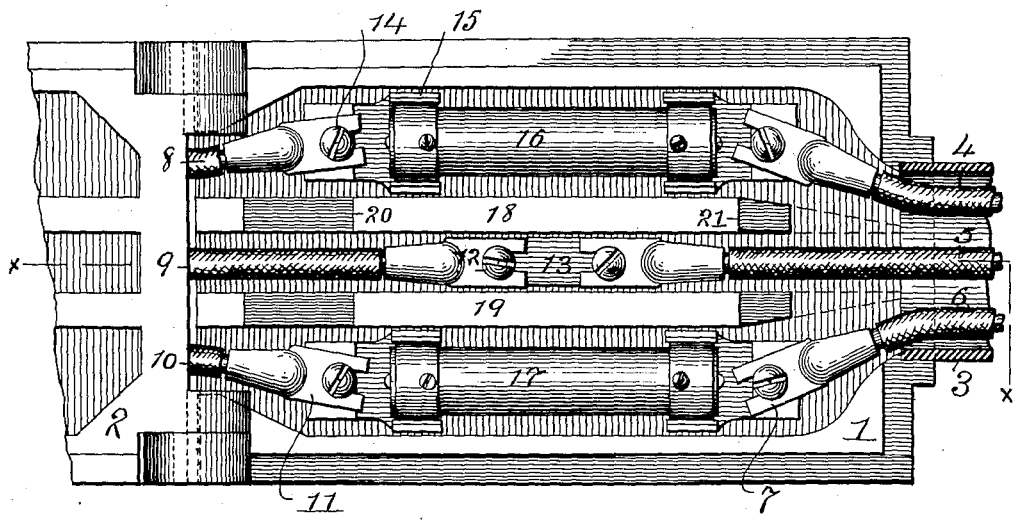

Fig. 1.

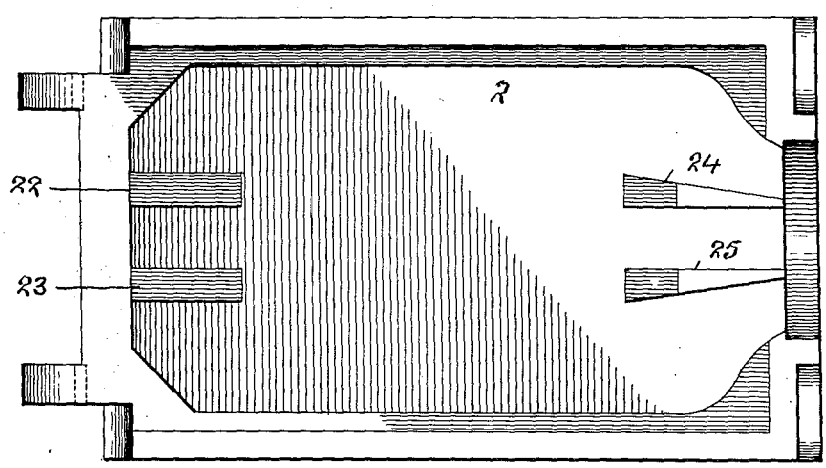

Fig. 2.

Witnesses:
C. F. Berthoff
B. Shackman

Inventor
Thomas E. Murray
By his Attorney
Paul Benjamin

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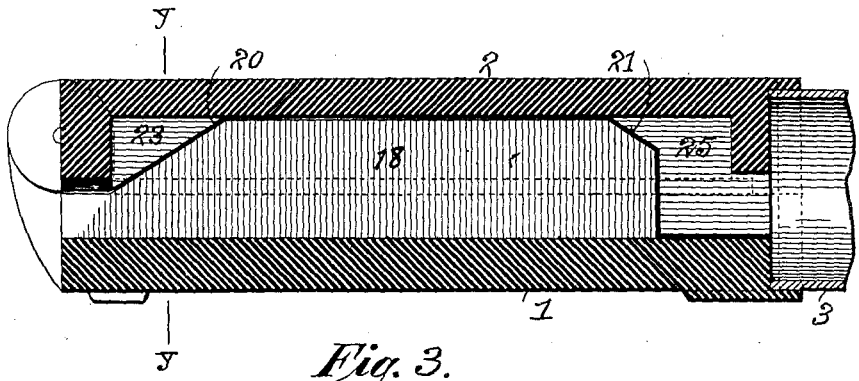

Fig. 3.

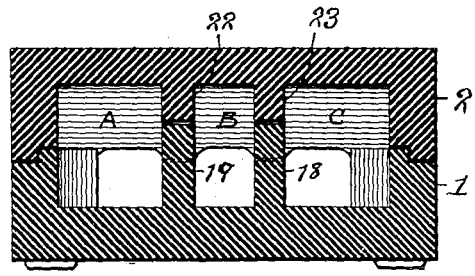

Fig. 4.

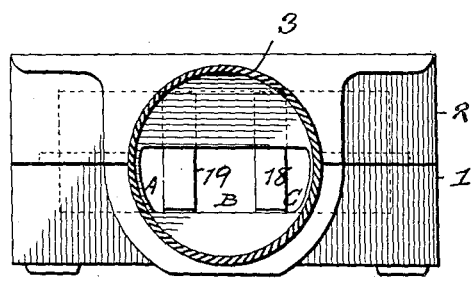

Fig. 5.

Witnesses:
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UNITED STATES PATENT OFFICE.

THOMAS E. MURRAY, OF NEW YORK, N. Y.

ELECTRIC-FUSE BOX.

No. 913,754. Specification of Letters Patent. Patented March 2, 1909.

Application filed March 19, 1908. Serial No. 422,142.

To all whom it may concern:

Be it known that I, THOMAS E. MURRAY, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented a certain new and useful Improvement in Electric-Fuse Boxes, of which the following is a specification.

The invention relates to an electric cut out or fuse box for use on service circuits and to be placed in any desired position.

The invention consists in the construction whereby the interior of the box, when the cover is closed, is divided into three compartments or sections wholly separated from one another by partitions of insulating material; each of said partitions being formed partly in the box and partly on the cover.

In the accompanying drawings—Figure 1 is a plan view of my improved fuse box, the cover (shown in part) being raised. Fig. 2 is a plan view of the underside of the cover. Fig. 3 is a section of the box, on the line *x x* of Fig. 5. Fig. 4 is a section of the box, on the line *y y* of Fig. 3. Fig. 5 is an end elevation of the box, taken on the right hand side of Fig. 4.

Similar characters of reference indicate like parts.

1 is a box of insulating material preferably porcelain or the like. 2 is a cover of insulating material hinged at one end of said box. In one end of said box and cover is a circular opening receiving the tube 3, which incloses the three conductors 4, 5, 6, which are provided with the usual forked metallic terminals 7. At the opposite end of the box are openings through which pass the three conductors 8, 9, 10 also provided with forked metallic terminals 11. The terminals of the middle or neutral conductors 5 and 9 are secured by screws 12 to the contact plate 13, which is attached by said screws to the bottom of the box. Each terminal of the conductors 4, 6, 8, 10 is secured by a screw 14 to a metal clip 15, having vertical walls; said screw 14 also serving to attach said clips to said box.

16 is an electric fuse or cut out of any suitable construction, received in the clips communicating with conductors 4 and 8, and 17 is another and similar fuse or cut out received in the clips communicating with conductors 6 and 10.

On the bottom of the box and integral therewith, are formed two upwardly extending partitions 18 and 19. The upper corners of these partitions are beveled as shown at 20 and 21. On the under side of the cover and at the angle of the cover nearest the hinge, are formed two downwardly extending triangular partitions 22, 23, and at the opposite end of the corner, there are two irregularly shaped partitions 24, 25, which extend to the end of the box. When the cover is closed as shown in Fig. 3, the lower inclined edge of each partition 22, 23, meets the upper left hand beveled edge 20 of a partition 18, 19, and the irregularly shaped partitions 24 and 25 meet the right hand beveled edge 21 and right hand end of said partitions 18, 19. By reason of the fitting together of the partial partitions in the cover and box as described, two complete partitions are formed which divide the space within the box into three compartments or tubes A, B, C, formed wholly of insulating material, one of said tubes receiving the cut out 16 and conductor terminals connected thereto, another the cut out 17 and conductor terminals connected thereto, and the third, the middle or neutral conductor terminals and contact plate. In this way the three conductors and the cut outs are completely separated and insulated from one another within the box and access thereto prevented.

I claim:

1. In a cut out box, two longitudinal partial partitions of less length than said box, a cover, and, on the under side of said cover, two partial partitions constructed, when said cover is closed, to meet the edges of said longitudinal partitions at the ends thereof, and thereby to form two complete partitions dividing said box longitudinally into three compartments.

2. In a cut out box, two longitudinal partial partitions of less length than said box, a cover, and, on the under side of said cover, two partial partitions constructed, when said cover is closed, to meet the edges of said longitudinal partitions at the ends thereof, and thereby to form two complete partitions dividing said box longitudinally into three compartments, circuit terminals at the ends of two of said compartments, and a fuse case removably secured in each of said compartments and in circuit with the terminals therein.

3. In a cut out box, two longitudinal par-

tial partitions of less length than said box and beveled at their extremities, circuit terminals in said box and, near the ends thereof, a cover, and, on the under side of said cover, two partial partitions correspondingly beveled and constructed when said cover is closed to meet the edges of said longitudinal partitions at the ends thereof, and thereby to form two complete partitions dividing said box longitudinally into three compartments.

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

THOMAS E. MURRAY.

Witnesses:
GERTRUDE T. PORTER,
MAY MCGARRY.