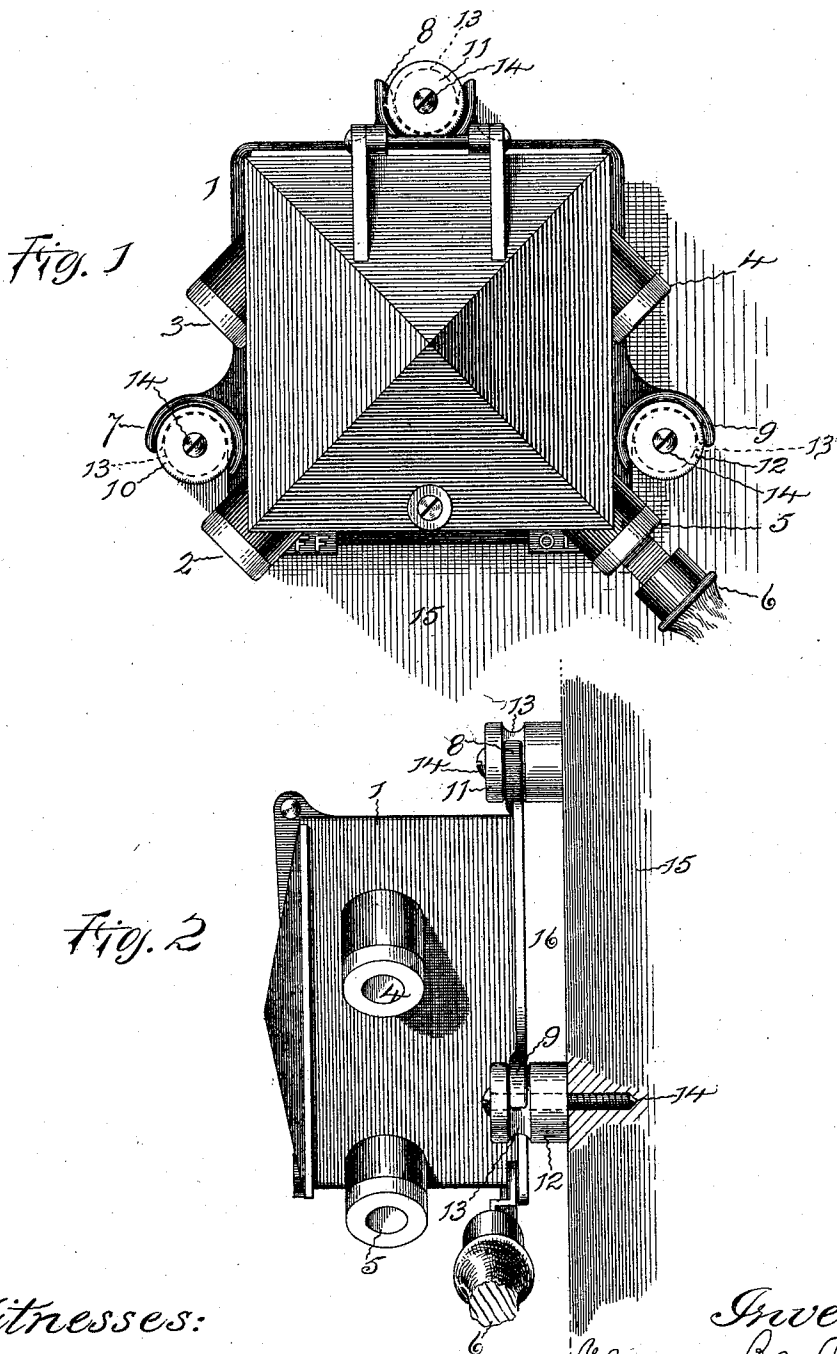


(No Model.)

T. H. BRADY.
INSULATING SUPPORT FOR BOXES CONTAINING ELECTRICAL
APPARATUS.

No. 555,922.

Patented Mar. 10, 1896.



Witnesses:

Andrew Ferguson
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UNITED STATES PATENT OFFICE

THOMAS H. BRADY, OF NEW BRITAIN, CONNECTICUT.

INSULATING-SUPPORT FOR BOXES CONTAINING ELECTRICAL APPARATUS.

SPECIFICATION forming part of Letters Patent No. 555,922, dated March 10, 1896.

Application filed January 4, 1896. Serial No. 574,328. (No model.)

To all whom it may concern:

Be it known that I, THOMAS H. BRADY, of New Britain, Hartford county, Connecticut, have invented certain new and useful Improvements in Insulating-Supports for Boxes Containing Electrical Apparatus, which improvements are described in the following specification and are illustrated by the accompanying drawings.

10 This invention relates to the insulation and support of cut-out boxes, transformer-boxes, and other metallic boxes which contain electrical mechanism, and are mounted upon poles, buildings and other fixed objects of attachment. The invention has no concern with the special character of the electrical mechanism which is contained in such box, nor with the manner in which such contained mechanism is insulated from the box, but
15 20 deals exclusively with the support of the box and with its external insulation.

It is the object of the invention to provide such boxes with means of attachment and support which shall be convenient and easy to apply and shall effectually insulate the boxes from the posts, buildings and other objects to which they are by such means attached. The external insulation of such a box by means of this invention is designed to
30 supplement the ordinary interior insulation of the contained apparatus, so that the latter shall be doubly insulated from all external objects. To accomplish the specified objects of my invention I provide such a box with
35 lugs, forming recesses which open outward about the box, and with insulating-knobs having necks which are engaged by such lugs. The knobs are secured to the post, building, or other object of attachment, and hold the
40 box at a fixed distance from it.

The best manner in which I have contemplated applying the principles of my invention is illustrated by said drawings, which include two figures.

45 Figure 1 is a front view of a cut-out box which is insulated and supported in accordance with those principles, and Fig. 2 is a side view of the same.

In the views the numeral 1 denotes the
50 box, and the numerals 2, 3, 4 and 5 denote respectively the ports with which the box is provided for the conducting-wires. The box

is also provided with a lever and lever-handle 6, all in the usual manner. This box, being made of cast-iron or other metal, as may be
55 desired, is further provided with laterally-projecting lugs 7, 8 and 9, which are preferably of integral formation with the body of the box. These lugs are located on different
60 sides of the box and in uniform positions relative to the thickness of the box from front to rear. In other words, lugs 7, 8 and 9, regarded as plates projecting from different
65 sides of the box, lie in a single plane. Each of them has a recess of semicircular form opening away from the box, as is plainly
shown in Fig. 1. These recesses also open away from each other.

The numerals 10, 11 and 12 denote three knobs, of porcelain, glass or other insulating material and of general cylindrical form. They are provided with circumferential
70 grooves 13, forming necks in a uniform position between the body and the head of each knob, as shown in Fig. 2. These necks fit
75 snugly into the recesses in lugs 7, 8 and 9, in the positions shown, and have screw-holes through the middle.

In setting the box in position the lower knobs 10 and 12 are first secured to the post,
80 building or other object of attachment 15, at the necessary distance apart, by means of screws 14. The box is then placed in the position shown, with lugs 7 and 9 hugging the
85 necks of those two knobs, and finally knob 11 is similarly secured in the recess of lug 8. The box is thus held firmly in the position
shown, and is insulated completely from the object of attachment 15, being partly insulated by the described insulating-knobs and
90 partly by the air-space 16, which is between the box and such object of attachment, as shown in Fig. 2.

The described means of attachment and insulation are convenient and easy to apply,
95 and effectually insulate the box from the object to which it is attached.

Such being the construction and operation of my improvements in insulating-supports for boxes of electrical mechanism, I claim as
100 my invention—

1. A metallic box, containing a cut-out or other electrical apparatus, and provided with projecting lugs, having curvilinear recesses,

opening away from the box and from each other, in combination with insulating-knobs, having necks, which are hugged by said lugs, and holding the box in a position of separation from the object to which such knobs are fastened, substantially as and for the purpose specified.

2. A metallic box, containing insulated electrical mechanism, and provided with lugs, lying in a single plane, and having recesses, which open away from the box and from each other, in combination with insulating-knobs,

which are of a uniform pattern, and have necks, occupying said recesses, whereby the box is held in a position of uniform separation from the object to which said knobs are secured, substantially as and for the purpose specified.

In testimony whereof I hereunto set my name in the presence of two witnesses.

THOMAS H. BRADY.

Witnesses:

RICHARD H. MATHER,
WILLARD EDDY.