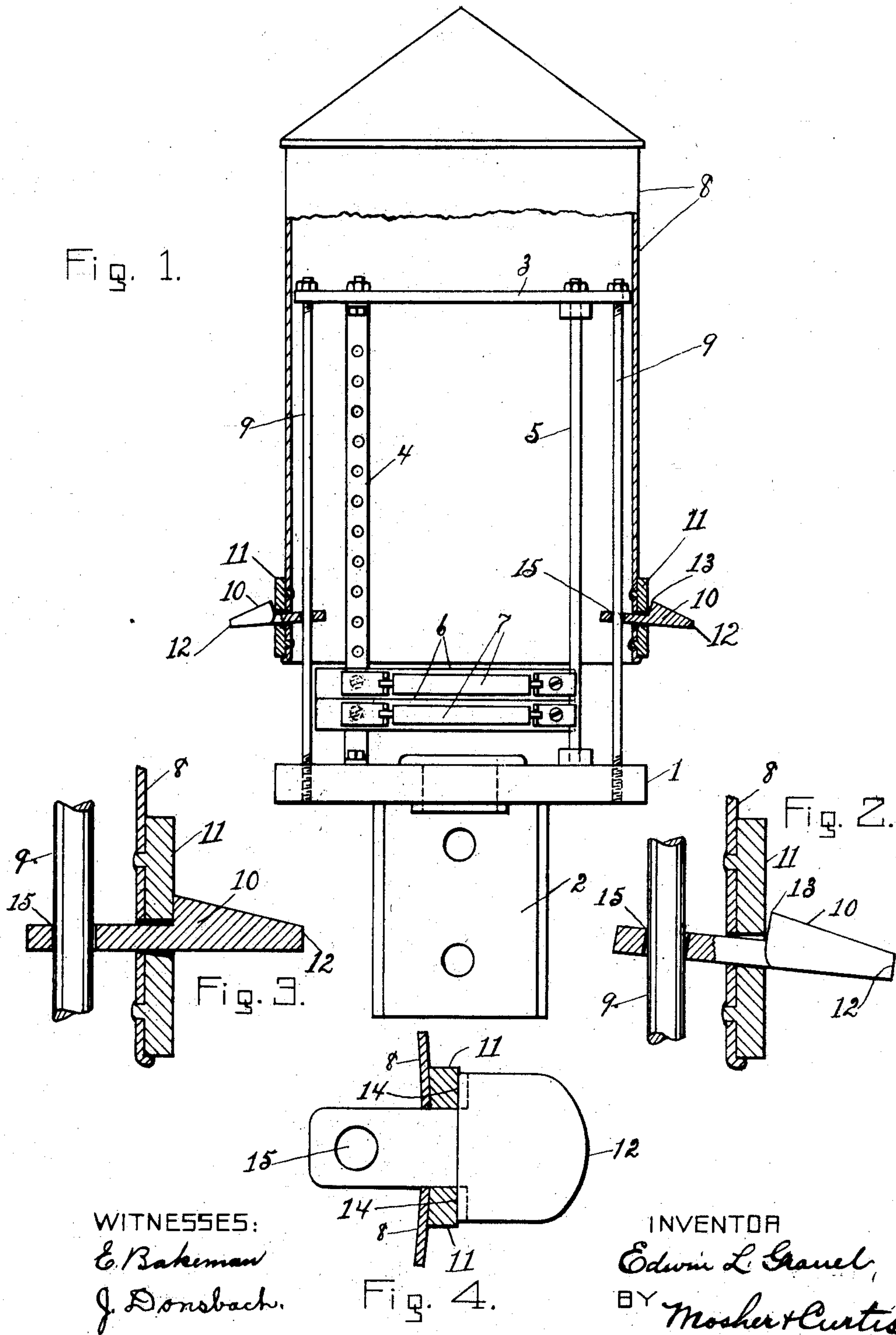


E. L. GRAUEL.
HOOD SUPPORT FOR CABLE TERMINALS.
APPLICATION FILED APR. 9, 1910.

981,637.

Patented Jan. 17, 1911.



UNITED STATES PATENT OFFICE.

EDWIN L. GRAUEL, OF TROY, NEW YORK, ASSIGNOR TO TROY TELEPHONE SPECIALTY COMPANY, OF TROY, NEW YORK, A CORPORATION OF NEW YORK.

HOOD-SUPPORT FOR CABLE-TERMINALS.

981,637.

Specification of Letters Patent.

Patented Jan. 17, 1911.

Application filed April 9, 1910. Serial No. 554,340.

To all whom it may concern:

Be it known that I, EDWIN L. GRAUEL, a citizen of the United States, residing at Troy, county of Rensselaer, and State of New York, have invented certain new and useful Improvements in Hood-Supports for Cable-Terminals, of which the following is a specification.

The invention relates to such improvements and consists of the novel construction and combination of parts hereinafter described and subsequently claimed.

Reference may be had to the accompanying drawings, and the reference characters marked thereon, which form a part of this specification. Similar characters refer to similar parts in the several figures therein.

Figure 1 of the drawings is a view partly in side elevation and partly in vertical section of a pole cable terminal provided with my improved hood-support. Fig. 2 is a view on an enlarged scale of a broken-away part of the same, showing the dog in position to support the raised hood. Fig. 3 is a similar view with the dog in position to permit the hood to be freely moved up or down. Fig. 4 is a horizontal cross-section taken on the broken line 4—4 in Fig. 1.

The connections between the wires of a telephone cable and the line-wires distributed therefrom to various points are commonly made by means of line-fuses within a box or inclosure which is usually mounted upon a pole. The boxes or inclosures of certain kinds of such pole cable terminals are provided with hoods or covers in the form of an inverted can which can be raised to afford access to the within line-fuses and their supports to permit the connections to be made. In devices of this kind the supports for the line-fuses are located one above another to such height as may be desired, and it has heretofore been necessary in order to secure access to any of said fuses or fuse-supports to either entirely remove the hood, or to raise the same to its uppermost position where it could be supported by spring-catches in some types of terminal.

The principal object of the present invention is to support such a hood in any desired position wholly or partly raised.

Referring to the drawings wherein the invention is shown in preferred form, 1, is the base-plate adapted to be mounted by means of an integral bracket, 2, upon a tele-

phone pole not shown, and, 3, is the top-plate connected to the base-plate by means of the uprights, 4 and 5, upon which are mounted one above another the line-fuse supports, 6, carrying the line-fuses 7. Said fuse-supports and fuses may be of any known form, and the capacity of the terminal may be varied to accommodate the desired number of fuse-connections.

The hood, 8, is preferably made of sheet-metal, as galvanized iron, in the form of an inverted can adapted to be passed down over the top-plate, 3, and to rest upon the base-plate 1.

In carrying out my invention I provide a pair of vertical guide-rods, 9, connected at their lower ends to the base-plate, 1, and at their upper ends to the top-plate, 3, and located diametrically opposite each other and adapted to be engaged by the respective dogs, 10, inserted loosely through apertures in the body of the hood, and severally provided with a restricted passageway, 15, for one of the rods, 9, and but slightly larger than said rod, whereby when said dog occupies a position oblique to a horizontal plane, it will be caused to bind upon said rod, 9; but, when said dog occupies a horizontal position, it can be made to slide freely along said rod. To facilitate mounting the dogs, 10, upon the can-body, I preferably reinforce the can-body at two diametrically opposite points by means of a metal plate, 11, connected by integral rivets with the sheet-metal wall of the can-body, said plate and can-wall being apertured to permit the dog to pass therethrough. The outer ends of the dogs, 10, form lifting handles, 12, and each dog is formed with laterally projecting shoulders, 14, adapted to engage the plate, 11, on opposite sides of the aperture therein, said shoulders being located at such a limited distance from the passageway, 15, for the rod, 9, that the can-body is drawn slightly inward and held under tension. Each dog is also formed with a shoulder, 13, adapted to engage the plate, 11, just above the aperture therein to so limit the upward movement of the handle, 12, of the dog that the dog cannot be raised beyond a substantially horizontal position. The handle, 12, also serves as a weight, tending to depress the outer end of the dog and cause it to bind upon the rod 9.

As thus constructed, the hood, 8, can be

freely raised to expose all, or any desired lower part of, the fuse-supports, and will be automatically supported in such raised position by the binding of the dogs upon the rods 9. To lower the hood it is necessary merely to grasp the handles, 12, of the dogs, and by a lifting movement thereupon cause the dogs to assume a substantially horizontal position, whereupon the dogs can be held in such position, and the hood, 8, forced down along the rods, 9, partly or wholly to its seat upon the base-plate 1. The shoulders, 14, are rounded, as shown in Fig. 2, to permit the dog to be rocked from an oblique to a horizontal position.

What I claim as new and desire to secure by Letters Patent is—

1. In a device of the class described, and in combination, a movable sheet-metal hood; a rod supported parallel with the line of movement of the hood; and a hood-supporting dog mounted upon the hood provided with a restricted passageway for said rod, and having a shoulder engageable with the body of the hood to hold the same under tension.

2. In a device of the class described, and in combination, a vertically movable sheet-metal hood; a pair of vertically supported rods inclosed by the hood; and a pair of

dogs mounted upon the hood, each having a restricted passageway for one of said rods, each engageable with the body of the hood to hold the same under tension, said dogs having handles projecting exteriorly of the hood.

3. In a device of the class described, and in combination, a vertically movable sheet-metal hood; a vertically supported rod inclosed by the hood; a reinforce-plate attached to the hood-body; a dog projecting loosely through an aperture in said reinforce-plate and hood-body, and provided with a restricted passageway for said rod; a shoulder on said dog engageable with the outer side of said reinforce-plate at one side of the aperture therein, whereby the body of the hood is held under tension; a lifting handle on the outer end of said dog; and a shoulder on the dog engageable with said reinforce-plate to limit the upward movement of the dog when the same is raised to a substantially horizontal position.

In testimony whereof, I have hereunto set my hand this 25th day of February, 1910.

EDWIN L. GRAUEL.

Witnesses:

WM. C. COLBURN,
W. J. GORMAN.