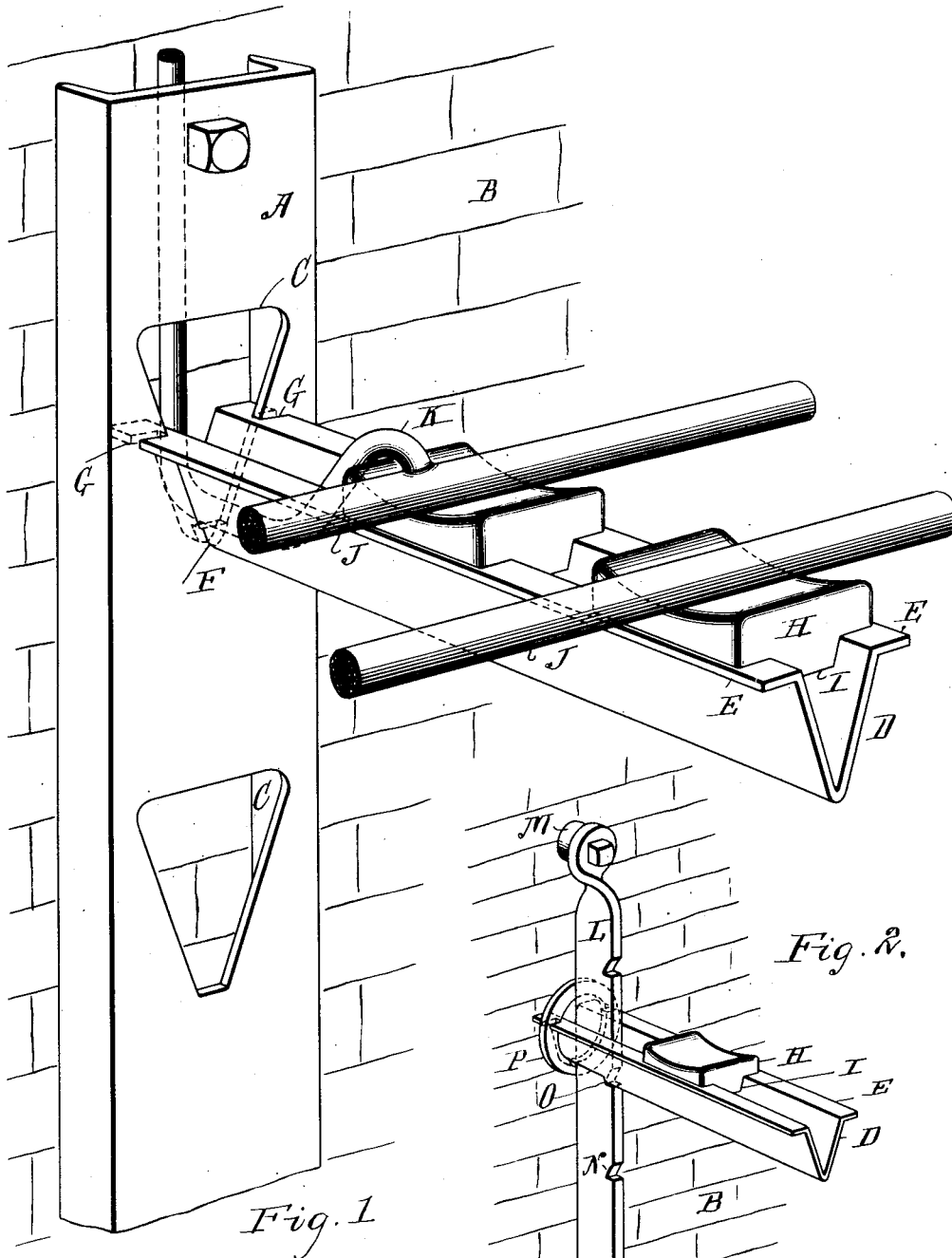


T. E. MURRAY.
SUPPORT FOR ELECTRICAL CONDUCTORS.
APPLICATION FILED APR. 5, 1911.

998,112.

Patented July 18, 1911.



Witnesses:
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UNITED STATES PATENT OFFICE.

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SUPPORT FOR ELECTRICAL CONDUCTORS.

998,112.

Specification of Letters Patent. Patented July 18, 1911.

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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 Supports for Electrical Conductors, of which the following is a specification.

The invention is a support for electrical conductors, and comprises a standard secured to a wall or to the inner surface of a conduit, through which the conductors pass, and a flanged V-shaped arm notched to engage said standard. Each arm carries one or more cradles of insulating material, in which the conductors are placed. There may be a plurality of arms on a given standard, each arm then being removable from the standard independently of the other arms.

In the accompanying drawings—Figure 1 is a perspective view of my device, and Fig. 2 is a similar view of a modified form thereof.

Similar letters of reference indicate like parts.

A is a trough-shaped standard, fastened to the wall B by any suitable means. In said standard are formed triangular openings C, in each of which, if desired, one of the conductor supporting arms D may be secured. Each arm D is a metal bar, bent longitudinally in V-shape, having edge flanges E and provided with a notch F at its angle and oppositely disposed notches G in said flanges. Said arm is attached to standard A by inserting one end in the upper part of an opening C in said standard, and then lowering said end until the notches F, G engage with the standard edges around the opening, the notch F interlocking with the recess formed by the lower apex of the triangular opening, as shown in Fig. 1. The arm then protrudes at right angles from the standard and is firmly held in place.

Upon the flanges E are disposed cradles H of insulating material, such as porcelain, having bottom projections I formed to enter the V-shaped space in arm D. Said cradles receive the main conductors J in their concavities and may be adjusted in any desired position along said arm. When a branch conductor, as K, is connected to one of the main conductors J, it lies in the V of arm D, passes through an opening C

in standard A, and then is carried upward or downward, as desired, through the trough-shaped space in said standard. In this way, the branch conductor is both supported and protected.

In the modified form of my device shown in Fig. 2, the trough-shaped standard A is replaced by a flat standard L, supported on blocks M at a distance from the wall, and having notches N in its outer edge. In addition to the flange notches G, the arm D has a long notch O at the angle of the V and extending inwardly from one end of said arm. This long notch receives the supporting standard L. After the arm D is in place on the standard, a ring P is passed over its extremity between standard L and the wall and enters the flange notches G. The arm D is then held by its solid portion at the angle resting in one of the notches N of the standard, the notches N and O then interlocking, and by the ring P engaging notches G and obtaining a bearing on the back of said standard.

Obviously, any arm D may be removed from the supporting standard without disturbing the other arms.

I claim:

1. A support for electric conductors comprising a standard, a V-shaped arm extending therefrom, and means for detachably securing said arm to said standard: the said means including a notch on said arm engaging with an edge of said standard.

2. A support for electric conductors comprising a standard, a V-shaped arm extending therefrom, and means for detachably securing said arm to said standard: the said means including mutually engaging notches in said standard and said arm.

3. A support for electric conductors comprising a trough-shaped standard having an opening, and a V-shaped arm entering said opening: the said arm being secured in said opening by mutually engaging notches on said arm and said standard.

4. A support for electric conductors comprising a trough-shaped standard having an opening, and a V-shaped arm having edge flanges entering said opening: the said arm being secured in said opening by mutually engaging notches on said flanges and said standard.

5. A support for electric conductors comprising a standard, a V-shaped arm extend-

ing therefrom, means for detachably securing said arm at one end to said standard, and a cradle of insulating material supported on and adjustable along said arm.

- 5 6. A support for electric conductors comprising a standard, a V-shaped arm extending therefrom, means for detachably securing said arm at one end to said standard, and a cradle of insulating material adjust-

able on said arm and having a bottom projection entering the V-shaped space therein.

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

THOMAS E. MURRAY.

Witnesses:

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