

No. 647,945.

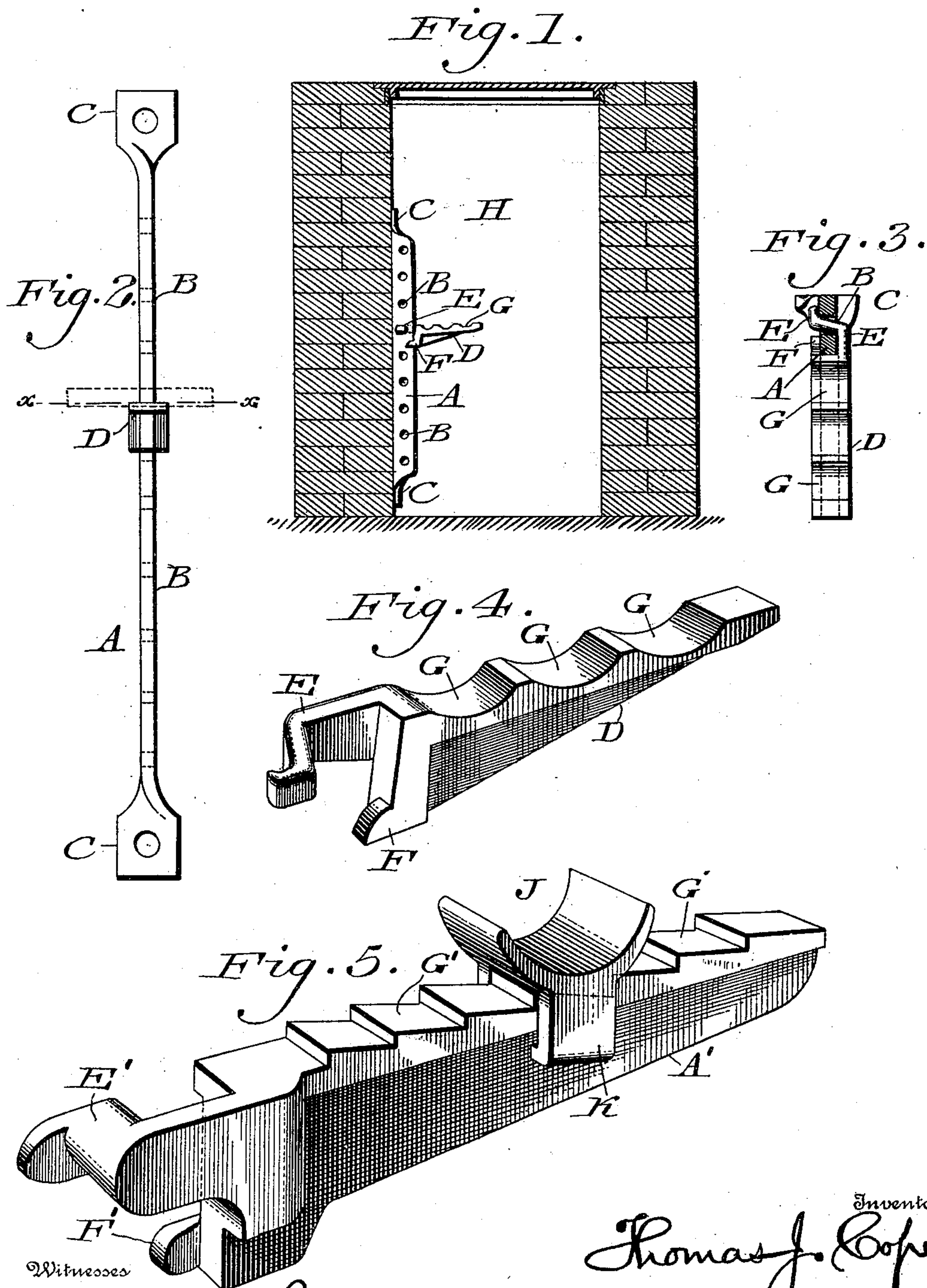
Patented Apr. 24, 1900.

T. J. COPE.

SUPPORT FOR ELECTRIC CONDUCTORS.

(Application filed Feb. 2, 1900.)

(No Model.)



Witnesses

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UNITED STATES PATENT OFFICE.

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SUPPORT FOR ELECTRIC CONDUCTORS.

SPECIFICATION forming part of Letters Patent No. 647,945, dated April 24, 1900.

Application filed February 2, 1900. Serial No. 3,670. (No model.)

To all whom it may concern:

Be it known that I, THOMAS J. COPE, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Supports for Electric Conductors, which improvement is fully set forth in the following specification and accompanying drawings.

My invention consists of a support for electric conductors embodying an arm and a standard or bracket with which the same may be securely interlocked, admitting of the removal of said arm without disturbing the adjacent conductors.

Figure 1 represents a side elevation of a support for electric conductors embodying my invention. Fig. 2 represents a side elevation of the same at a right angle to Fig. 1 on an enlarged scale. Fig. 3 represents a horizontal section on line *xx*, Fig. 2. Fig. 4 represents a perspective view of a detached portion on an enlarged scale. Fig. 5 represents a perspective view of another form of the part shown in Fig. 4.

Similar letters of reference indicate corresponding parts in the figures.

Referring to the drawings, A designates a standard or bracket which is formed with a row of vertically-arranged openings B and securing-ears C.

D designates an arm which is provided on opposite sides of its inner end with the elbow E and the foot F and on its upper face with depressions or seats G.

The standard or bracket is secured to the side of a manhole or vault H, which receives the electric wires or conductors, and the arm D is supported on said standard and has said conductors placed thereon so as to nicely sustain the same, it being noticed that in applying the arm in position the outer limb of the elbow E is presented somewhat sidewise to the desired opening in the standard A and then turned therein to full extent, after which the arm is lowered, when its back rests against the edge of the standard and the foot F overlaps the side of said standard, thus interlocking the arm with and preventing its displacement from the standard, especially by lateral motion, it being evident that several arms

may be supported on the standard independent of each other, and either arm may be applied and removed without disturbing the others or the conductors thereon.

When it is desired to disconnect an arm from the standard, it is raised and then turned and drawn sidewise, whereby the elbow E emerges from the opening in the standard and the arm is free of the standard.

In Fig. 5 I show a form of arm composed of the body A', the elbow E', the foot F', and the ratchet-top G', the latter serving to hold the cradle J on the body at any desired point between the ends thereof, said cradle serving to have the conductors seated thereon, said cradle being also applicable to the arm D, it being noticed that the sides of the cradle have hook-shaped hangers K thereon, the same engaging with the head of the arm, and thus preventing lateral displacement of the cradle from the arm unless properly raised and manipulated to clear it from the shoulder of the ratchet with which it engages, when it may be slipped off of the arm, or it may be adjusted toward either end of the arm, so as to be seated at the desired place, it being evident that as many cradles may be employed as there are teeth on the arm.

The ears C are preferably formed by twisting the ends of the standard A so that openings in said ears are at a right angle to those in the standard, whereby the latter is set out from the wall of the conduit, and the elbow may thereby readily enter the opening in the same.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A support for an electric conductor consisting of a standard provided with an opening and an arm provided with an elbow and a foot, said elbow being adapted to enter said opening, said arm to abut against said standard, and said foot to overlap the side of the latter.

2. In a support for an electric conductor, a standard, and an arm connected with the latter, said standard having an opening adapted to receive a member of said arm and ears for securing it in position, said ears being twisted members on the ends of said standard.

3. In a support for an electric conductor,
a standard with an opening and means of at-
tachment and an arm having a limb adapted
to enter said opening, and a foot adapted to
5 engage said standard and overlap the side of
the latter.
4. In a support for an electric conductor,

an arm, means carrying the same and a cradle on said arm.

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