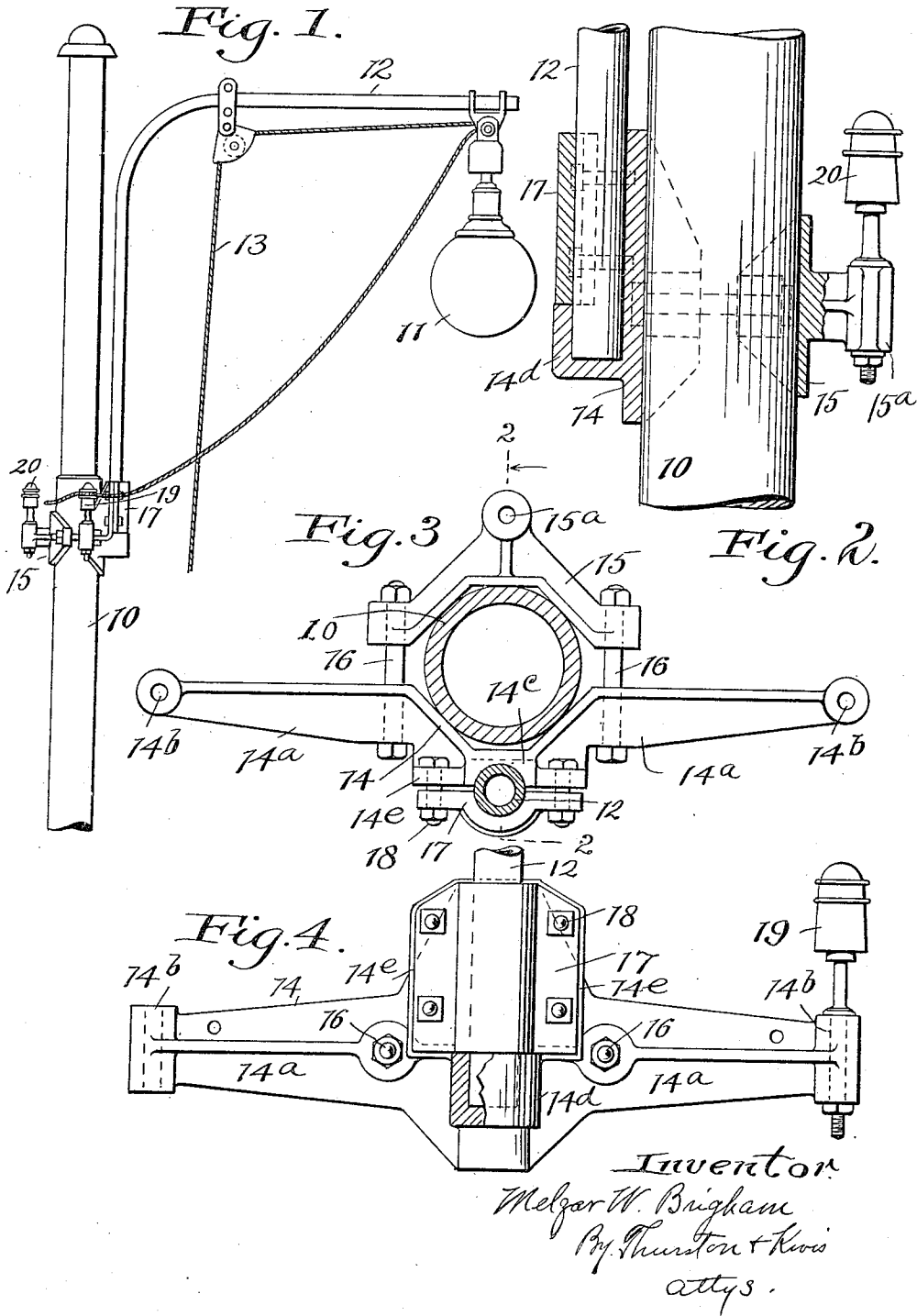


M. W. BRIGHAM.
LAMP SUPPORT.
APPLICATION FILED JULY 14, 1916.

1,230,992.

Patented June 26, 1917.



UNITED STATES PATENT OFFICE.

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To all whom it may concern:

Be it known that I, MELZAR W. BRIGHAM, a citizen of the United States, residing at East Cleveland, in the county of Cuyahoga and State of Ohio, have invented a certain new and useful Improvement in Lamp-Supports, of which the following is a full, clear, and exact description.

This invention relates to a lamp and insulator support adapted particularly to be secured to a pole for supporting a yard lamp and the conductors including those extending to and from the lamp, and if desired also a feed conductor.

The object of the invention is to provide a support of the character stated, which is simple in construction and which very effectively supports the lamp in such a way that the necessity for a brace or braces extending from the lamp supporting rod to the pole is eliminated.

The invention may be briefly summarized as consisting in certain novel details of construction and combination and arrangement of parts which will be described in the specification and set forth in the appended claims.

In the accompanying sheet of drawings wherein I have illustrated the preferred embodiment of my invention, Figure 1 is a view of the device supporting an arc lamp and attached to an upright lamp pole, a portion of which is shown; Fig. 2 is a sectional view on an enlarged scale, the section being taken substantially along the line 2—2 of Fig. 3, looking in the direction indicated by the arrow, and the pole being shown in elevation; Fig. 3 is a top plan view of the device with the pole and the lamp supporting rod in section; and Fig. 4 is a side view looking toward the left of Fig. 1, or toward the right of Fig. 2.

Referring now to the drawings, 10 represents the upright lamp pole which may be of any suitable construction and of any desired shape in cross-section, a circular pole being here shown, as that shape is customary. At 11 is shown the usual yard or street arc lamp suspended at the outer end of a rod 12, and capable of being raised and lowered in the usual manner by a rope or cable 13. It will be observed that this rod is substantially L-shaped, as it has a portion extending horizontally inward toward the

pole, and a down-turned portion extending alongside of, or parallel to the pole.

Ordinarily the lamp supporting rod 12 extends inwardly from the lamp to the pole in substantially horizontal direction, and at its inner end adjacent the pole, is clamped to the latter, one or more braces being required to hold the rod rigid, and to prevent its vibrating, sagging or breaking.

The device constituting the subject matter of the present invention consists of a clamp which engages the pole, and which supports the lamp as well as the insulators for the conductors. This device includes a main clamping member 14, with laterally projecting arms 14^a, extending in opposite directions, and each provided at its outer end with a boss containing a vertical socket 14^b. Coöperating with this main clamping member 14, is a second and smaller clamping member 15, the two members being rigidly clamped onto the pole by two bolts 16, which pass through sockets or openings in bosses at the ends of the clamping member 15, and through openings passing through the inner portions of the arms 14^a. Both of these clamping members are provided with suitably shaped recesses to receive or accommodate the portion of the pole clamped between them. The clamping member 15 is provided midway between its ends with a boss having an opening or socket 15^a for an insulator.

The main clamping member 14, is provided at its center but on the side opposite to the side facing the pole with a grooved and socketed portion adapted to accommodate the lower end of the rod 12, this portion including a central upright grooved part 14^c, terminating at its lower end in a socket 14^d, whose axis is vertical or parallel to the axis of the pole, this portion having at the side of the groove and socket a pair of ears or flat plates 14^e extending laterally outward in opposite directions. The rod is clamped and securely held in place in this groove and socket by a third clamping member 17, and by bolts 18 which pass through ears of the member 17, and through the ears 14^e, this third clamping part having at the center a groove corresponding to that in the portion 14^c of the main clamping member. Supported in the sockets at the outer ends of the arms 14^a, are insulators 19 for con-

ductors extending to and from the lamp 11, and in the socket 15^a of the clamping member 15 there is designed to be supported a third insulator 20, to which may be attached
5 a feed wire.

Thus it will be seen that the pole and rod supporting clamp is composed of three principal clamping parts 14, 15 and 17, the first two securely fastening the device to the pole, and the third coöperating with the first to
10 firmly support the inner end of the rod, which is vertical, or parallel to the pole. It will be observed also that the grooved clamping faces of the members 14 and 17, which accommodate the rod 12 are suffi-
15 ciently long to firmly support the rod without the necessity for a brace, this being due principally to the fact that the axis of the rod where it is held in the clamp is verti-
20 cal or parallel to the pole and also to the fact that there may thus be provided clamping faces of ample and in fact of any desired length to accomplish the result stated.

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

1. A lamp supporting device comprising two coöperating clamping members adapted to receive between them and to be secured
30 to a lamp pole, means for clamping said members about the pole, a third clamping member coöperating with one of the first named to support a lamp rod, and means for clamping said last mentioned members
35 to the rod, said last mentioned clamping members having recessed portions for the rod which are parallel to the pole when the device is attached thereto.

2. In a lamp and insulator supporting device, a pair of clamping members adapted to receive between them a lamp pole, means for causing said members to be tightly
40 clamped to the pole, a third clamping member coöperating with one of the first named to support a lamp rod, said device having
45 laterally projecting portions socketed to receive insulators.

3. A lamp supporting device comprising two coöperating clamping members adapted

to receive between them and to be secured
50 to a lamp pole, means for clamping said members about the pole, a third clamping member coöperating with one of the first-named to support a lamp rod and adapted to receive a portion of the rod between them,
55 and means for clamping said last mentioned members to the rod.

4. In a pole clamping and lamp supporting device of the character described, a pair of coöperating clamping members adapted
60 to engage and to receive between them a lamp pole, one of said clamping members having a recessed part adapted to receive the base of a lamp supporting rod, the axis of said recessed part being parallel to
65 the pole when the device is in position on the latter; and a third clamping member for engaging and holding the rod in place.

5. In a pole clamping and lamp supporting device, a main pole clamping member
70 and an auxiliary pole clamping member adapted to receive between them and engage a lamp pole, the main clamping member having a socketed portion for a lamp supporting rod, the axis of the socketed portion
75 being parallel to the pole when the device is in position thereon; and a second auxiliary clamping member coöperating with the main clamping member for holding the rod in place.

6. In a pole clamping and lamp supporting device a main pole clamping member and an auxiliary pole clamping member adapted to receive between them and engage
80 a lamp pole, the main clamping member having a socketed portion for a lamp supporting rod, the axis of said portion being parallel to the pole when the device is in position thereon; and an auxiliary clamping
85 member coöperating with the main clamping member for holding the rod in place, said main and first named auxiliary clamping members having portions adapted to support conductor insulators.

In testimony whereof, I hereunto affix my
95 signature.

MELZAR W. BRIGHAM.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."