

J. P. TIRRELL.
Lamp-Post Attachments for Supporting Electrical
Wires.

No. 139,630.

Patented June 3, 1873.

FIG. 1.

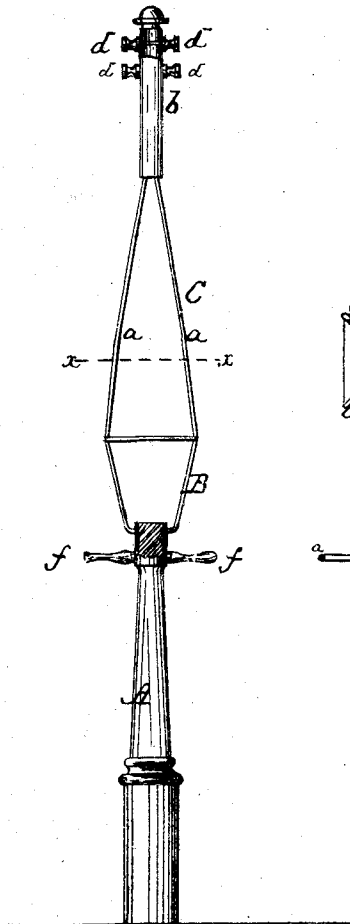


FIG. 2.

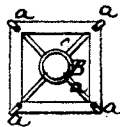
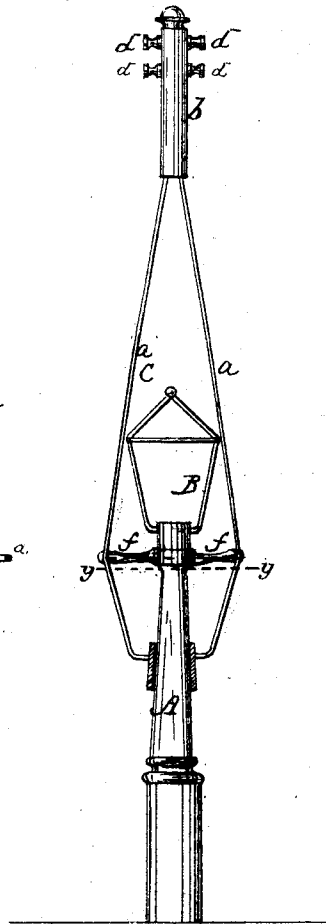


FIG. 4.



FIG. 3.



WITNESSES.

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JACOB P. TIRRELL, OF CHARLESTOWN, MASSACHUSETTS.

IMPROVEMENT IN LAMP-POST ATTACHMENTS FOR SUPPORTING ELECTRICAL WIRES.

Specification forming part of Letters Patent No. **139,630**, dated June 3, 1873; application filed January 22, 1873.

To all whom it may concern:

Be it known that I, JACOB P. TIRRELL, of Charlestown, in the county of Middlesex and State of Massachusetts, have invented a certain new and useful Improved Attachment to Lanterns or Posts of Street-Lamps; and that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings.

The object of this invention is an attachment to lamp-posts for the reception and support of conducting-wires for electrical currents. The invention is designed more especially for use in connection with electrical apparatuses for lighting street gas-burners, and more particularly for the electrical gas-lighting apparatus secured to me by Letters Patent dated August 20, 1872, and numbered 130,770; but it is not intended to limit the use of the invention thereto, as the use to which the wires carried by the said attachment are to be put forms no part of this invention.

In the accompanying drawings, my improved attachment to lanterns, or posts of street-lamps is illustrated in two forms, and as adapted for the gas-lighting apparatus aforesaid, Figures 1 and 3 being both side views, respectively, of each form; and, Figs. 2 and 4, horizontal cross-sections in the respective planes of line *x x*, Fig. 1, and of line *y y*, Fig. 3.

A, in the drawings, represents a street lamp-post, and B the lantern-frame, both of which, as to their ordinary purposes, may be constructed in any of the usual modes; C, an upward extension of the lantern-frame B. This extension C consists of a frame made of four corner-rods, *a*, which, as they pass upward, converge toward each other, and, meeting, are held together by a surrounding sleeve or tube, *b*, which completes the upper portion of the

extension C. The tube *b*, at or near its upper end, is adapted, by stationary-located studs *d*, (in the present instance four in number,) for the reception and insulation of wires—one to each stud—suitable for the conduction of electrical wires.

The extension C, above described, is shown fully in Figs. 1 and 2. In Figs. 3 and 4 the upward extension C, by its lower end *f*, is firmly secured, in any suitable manner, to the lamp-post; and from thence it passes upward to and above the lantern-frame.

The upper end of extension C shown in Figs. 3 and 4 is constructed substantially similar to the same end of the extension C shown in Figs. 1 and 2.

The extension shown in Figs. 3 and 4 is made of two rods, *a*, in lieu of 4, as shown in Figs. 1 and 2; and the two rods, *a*, are interlocked with the ends of the arms *f* to lamp-post, which interlock fastens and stiffens the extension C in its position. The rods *a*, also, may be interlocked or fastened to the lantern-frame.

In the application of the invention to street-lamps, the extension is to be of such height that the wires, if run across the street from one lamp to another, will not obstruct the travel in the roadway; and eight to ten feet from the top of the lantern-frame is found sufficient.

Having thus described my invention, I shall state my claim as follows:

An attachment for lamp-posts, consisting of the frame C, constructed as described, and provided with the tube *b* carrying the studs *d*, substantially as and for the purpose specified.

JACOB P. TIRRELL.

Witnesses:

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