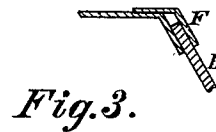
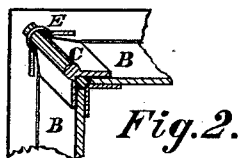
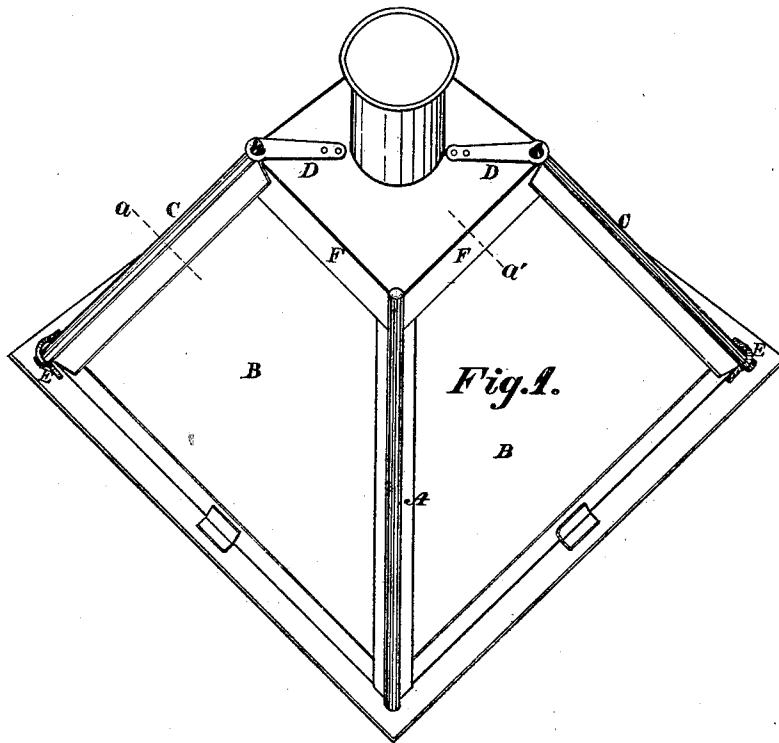


A. S. BUNKER.

LANTERNS FOR STREET-LAMPS.

No. 176,164.

Patented April 18, 1876.



Witnesses,
Joseph L. Bonney
Chas. D. Moore

Inventor;
Augustus S. Bunker

UNITED STATES PATENT OFFICE.

AUGUSTUS S. BUNKER, OF LAWRENCE, MASSACHUSETTS.

IMPROVEMENT IN LANTERNS FOR STREET-LAMPS.

Specification forming part of Letters Patent No. **176,164**, dated April 18, 1876; application filed March 6, 1876.

To all whom it may concern:

Be it known that I, AUGUSTUS S. BUNKER, of Lawrence, in the county of Essex and Commonwealth of Massachusetts, have invented an Improved Lantern for Street-Lamps.

The object of my invention is to so construct a lantern that the panes of glass can be removed and inserted quickly and at pleasure, either to repair breakage or for the purpose of cleaning, (no putty being used to tighten the same.)

This I accomplish by so constructing a lantern-frame that two or more of its four corners can be removed, (being opposite, if two are used,) and having its flanges so constructed that they shed down and over a pane, forming a groove for the purpose of receiving the same, thus allowing a pane to be slipped from its frame, or in case of breakage, a new one inserted; and I do declare that the following is such a full, clear, true, and exact description thereof that others skilled in the art to which it appertains can make and use the same, reference being had to the accompanying drawings for a more complete description thereof, like letters indicating the same parts in each of the drawings, of which—

Figure 1 is a view of a lantern-top with my improvement attached; Fig. 2, a section of a corner with my improvement applied, taken at *a a*; and Fig. 3 shows the eye, the spring-catch, a corner with its hooks and the flanges.

A is a lantern-frame, designed to hold the pane; B, a pane of glass, designed to form a lantern; C, a corner, formed by soldering a

piece of tin, bent to form an angle, to a rod, designed to be removed when it is desired to remove a pane for cleaning, or to replace one which has been broken, and secured to the frame by the eye E and spring-catch D; D, a spring-catch attached to the top of a lantern, and designed to receive and hold the top of the corner C; E, an eye, designed to hold the foot of C, and F F flanges projecting down and forming, with the frame A, a groove, and designed to receive and hold a pane of glass.

To use my improved lantern, should it be desired to remove a light of glass for the purpose of cleaning or other purpose, or to repair breakage, raise the catch D and remove the corner C, when a light can be easily removed or replaced. After being replaced, place the corner C back, securing by the eye E and catch D.

I have been informed that it is not new to construct street-lamps with a movable corner, and I make no claim thereto; but I am not aware that previous to my said invention lanterns have been constructed as herein described.

I claim as my invention—

The combination of the frame A, the spring D, the eye E, the corner C, and the flange F F, in a manner and for the purpose substantially as herein described and set forth.

A. S. BUNKER. [L. s.]

Witnesses:

JOSEPH BONNEY,
CHAS. D. MOORE.