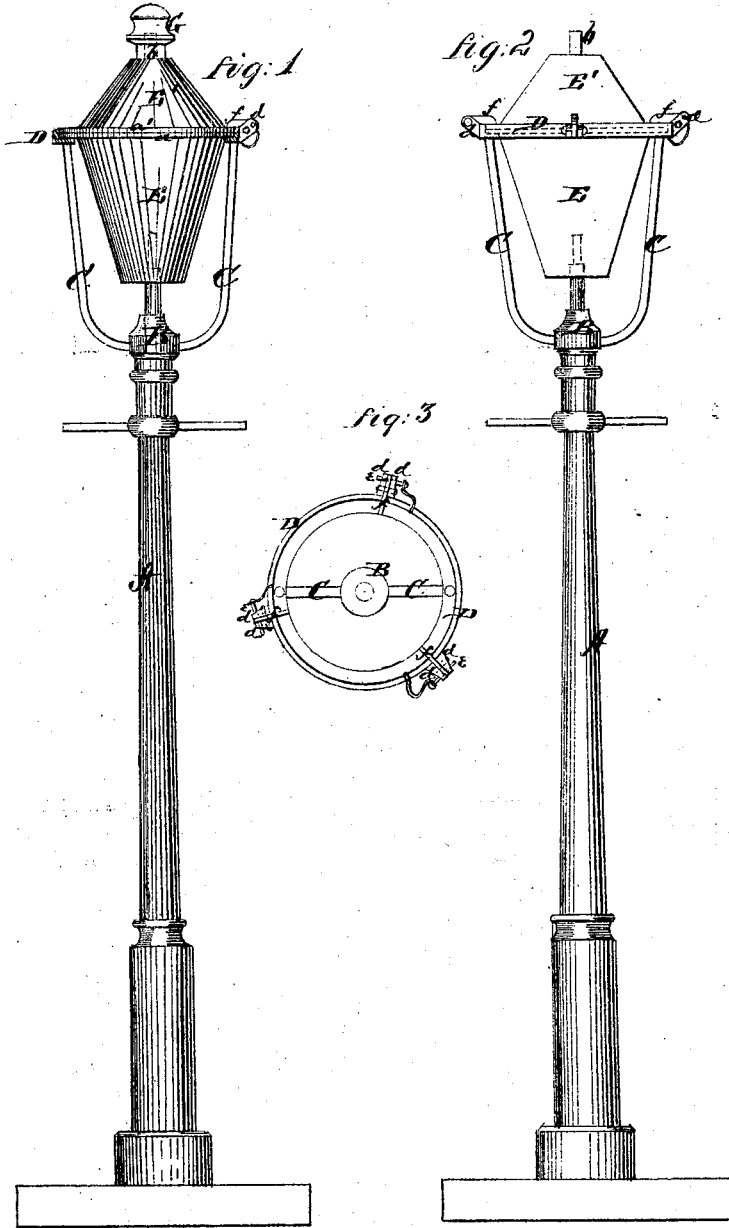


R. H. SMITH.

Improvement in Street Lamps.

No. 116,234.

Patented June 20, 1871.



Witnesses.

L. L. Eves,
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Inventor.

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attys.

UNITED STATES PATENT OFFICE.

ROLAND H. SMITH, OF PITTSBURG, PENNSYLVANIA.

IMPROVEMENT IN STREET-LAMPS.

Specification forming part of Letters Patent No. 116,234, dated June 20, 1871.

To all whom it may concern:

Be it known that I, ROLAND H. SMITH, of Pittsburg, in the county of Allegheny and in the State of Pennsylvania, have invented certain new and useful Improvements in Street-Lamps; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon making a part of this specification.

The nature of my invention consists in the construction and arrangement of a street-lamp, as will be hereinafter more fully set forth and claimed.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a side view of a lamp-post with a round lamp, the frame in which the lamp is suspended being in section. Fig. 2 is a similar view, representing a square lamp and frame; and Fig. 3 is a plan view of the round frame.

A represents a lamp-post of any suitable or desirable construction. On the upper end of this post is placed a collar, B, from which two or more arms, C C, extend outward and upward a suitable distance. These arms support a suitable frame, D, which may be either round, square, triangular, or any other shape that may be desired; and the frame is to be made L-shaped, as shown in Fig. 1, so as to form a ledge all around the frame from which the lamp is to be suspended. The lamp itself is made of glass, in two pieces, molded in suitable molds. The main body E is entirely open at the bottom, and around the upper edge is a circumferential flange, *a*, to rest in the frame D, the lamp thus being suspended by means of said flange. The upper part or cap E' of the

lamp is provided with a similar flange, *a'*, around its lower edge, and in the top is a short tube, *b*, upon which is placed an ornamental top piece, G. The lamp may also be made of any desired shape—round, square, triangular, or as required. The two parts of the lamp are held together and to the frame D by the following means: At suitable intervals on the outer circumference of the frame D are ears *d d*, arranged in sets of two, the two of each set being close enough together that a small arm, *f*, may be pivoted between them. When the body E of the lamp is placed in the frame, and then the cap E' placed on top thereof, the flanges *a a'* will be close together. The arms *f f* are then turned inward on top of the flange *a'*, and are locked by means of pins *e e* passing through the ears *d d* and the outer end of each arm, which thus prevents the arms from turning up and releasing the lamp. To take out the lamp the pins *e e* must be removed, when the arms can be thrown away from the flange *a'* and the lamp lifted out of the frame.

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

1. The arms *f f* hinged between ears *d d* on the frame D, and locked by means of the pins *e e*, substantially as and for the purposes herein set forth.

2. The combination of the sections E E' provided with flanges *a a'*, L-shaped frame D with ears *d d*, arms *f f*, and pins *e e*, supporting-arms C C, and collar B, all substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 4th day of April, 1871.

ROLAND H. SMITH.

Witnesses:

JOHN B. GEYSER,
GEO. NEUBERT.