

C. J. BOWELL.

Lamp.

No. 128,355.

Patented June 25, 1872.

Fig. 1.

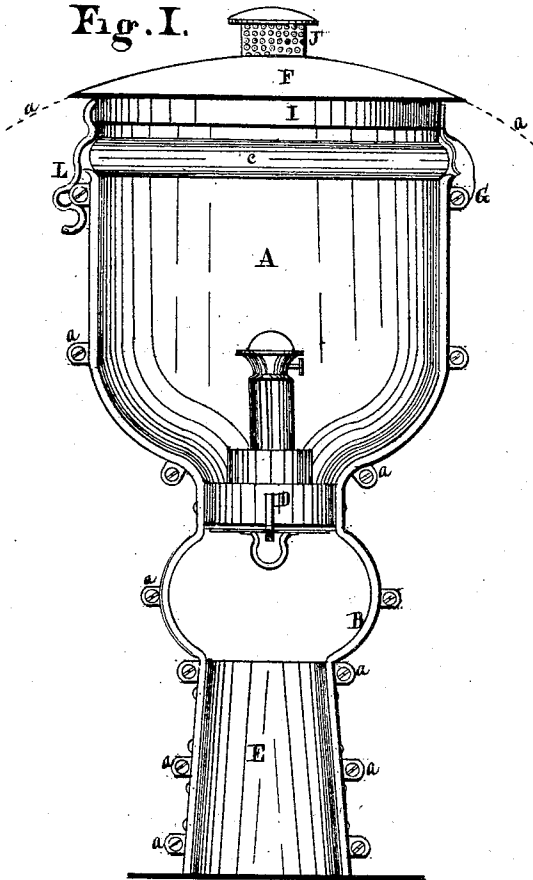


Fig. 2.

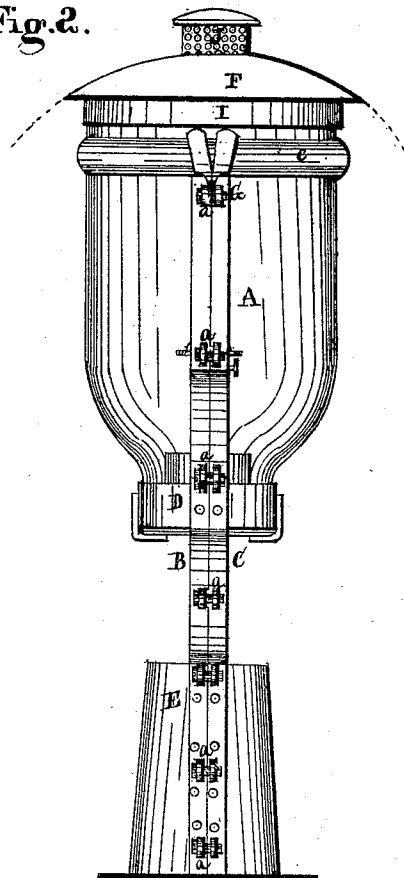
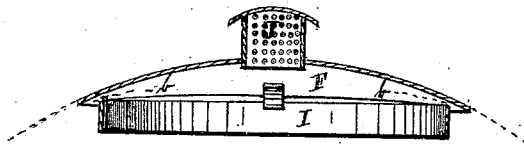


Fig. 3.



Witnesses.

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CHARLES J. BOWELL, OF CLEVELAND, OHIO.

IMPROVEMENT IN STREET-LAMPS.

Specification forming part of Letters Patent No. 128,355, dated June 25, 1872.

To all whom it may concern:

Be it known that I, CHARLES J. BOWELL, of Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new Improvements in Lamps; and I do hereby declare that the following is a full, clear, and complete description thereof, reference being had to the accompanying drawing making part of the same.

Figures 1 and 2 are side views of the lamp. Fig. 3 is a detached section.

Like letters of reference refer to like parts in the several views.

SPECIFICATION.

The nature of this invention relates to a street-lamp; and it has for its object the construction of a lamp that shall be stronger and more durable, and also have more glass surface for the transmission of light than the ordinary street-lamp. It also has for its object a device whereby said lamp can be adjusted and attached to different taper and sized posts, and thereby made generally applicable to the lamp-post in ordinary use, all of which is constructed and arranged as follows:

In the drawing, A represents the globe of the lamp, which is of the shape shown therein, but which, however, may be modified as to shape and size. The globe is held in position by a frame. Said frame consists of two sections, B C, Fig. 2, which are secured to each other by bolts *a*. The upper part of each section of the frame embraces the sides of the globe, as shown in Fig. 1. The lower end of the globe is held in a two-part ring, D, each part of the ring being respectively connected to a section of the frame. E is a two-part socket. Each part is also connected to its respective section of the frame corresponding with that of the ring; hence, one-half of the frame, ring, and socket form one section, and the other half of the frame, ring, and socket in like manner form another section. The two sections together constitute the frame,

ring, and socket, as represented. F is a cap hinged at G to one limb of the frame. The band I of the cap is made to fit on over the upper end of the globe, and is prevented from shutting down too far thereon by a bead, *c*. Between the upper edge of the band and the top of the cap is a narrow space or opening, *b*, Fig. 3, for ventilation. The sides of the dome J are perforated with holes for the same purpose. The cap is held down upon the globe by a spring-catch, L.

The advantages of a lamp constructed as above described over the ordinary street-lamp is that there is more glass surface for the diffusion of the light and less obstructions for its transmission; and when the globe is arranged so that the flat sides shall range with the curb-stone, the shadows caused by the frame will fall thereon, where light is not so much needed as on the sidewalk or in the street, while the full open sides of the globe will let the light shine unobstructedly on the sidewalk and into the street, there being no bars or frame-work to cast shadows, as there is in the common street-lamp. The light is also reflected down from the roof of the cap in consequence of its curvature, and when extended far over the lamp, as indicated by the dotted lines *c*, as it may be, the reflection is still increased, and also the winds, rain, and snow prevented from passing into the lamp through the space immediately above the band and under the projection referred to.

In making the socket in two parts I am enabled to fit the lamp to posts which differ in size, and taper in that part of the post to which the lamp is to be attached. By loosening the screws more or less a variation may be made in the diameter and taper of the socket, so that it can by this means be easily and readily adjusted to the post.

The above-described lamp is much stronger than the ordinary square-frame lamps now in common use, and is much more easily cleaned and kept in repair; also, it transmits more light, as there is less obstruction of it by frame-work.

Claims.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The frame, consisting of the two parts B C, as arranged in relation to each other, and in combination with the two-part ring D and two-part socket E, in the manner as and for the purpose set forth.

2. The frame, constructed as above described, and the two-part ring D, in combination with the globe A, in the manner as described and for the purpose specified.

CHARLES J. BOWELL.

Witnesses:

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