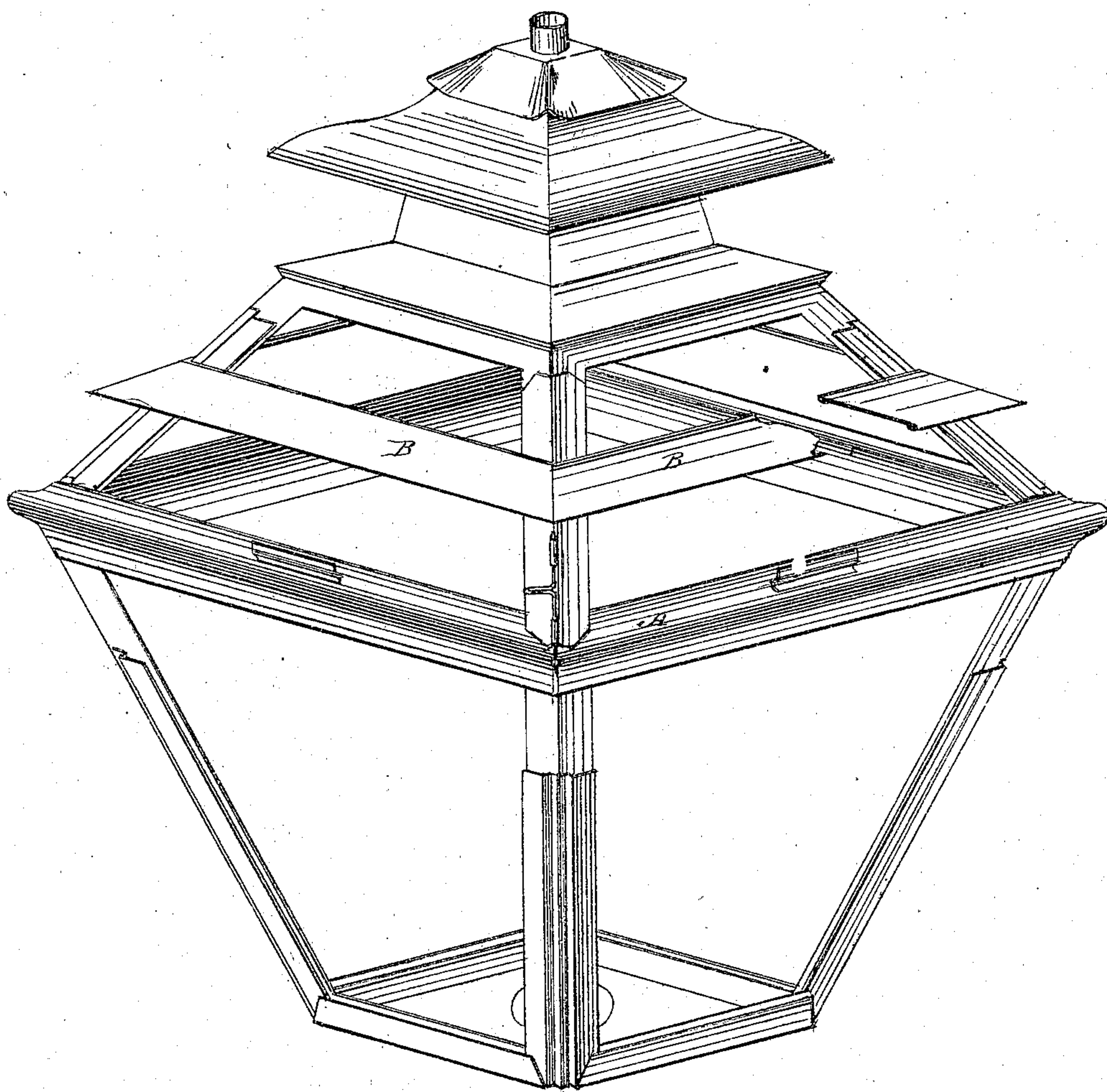


J. F. KERNS.

Street Lamp.

No. 110,922.

Patented Jan. 10, 1871.



Witnesses.

*A. S. Mente*  
*W. S. Mart*

Inventor.

*John F. Kerns*  
*by Orinole & Syc*

Attys.

# United States Patent Office.

JOHN F. KERNS, OF BALTIMORE, MARYLAND.

Letters Patent No. 110,922, dated January 10, 1871.

## IMPROVEMENT IN STREET-LAMPS.

The Schedule referred to in these Letters Patent and making part of the same.

*To all whom it may concern:*

Be it known that I, JOHN F. KERNS, of Baltimore, in the county of Baltimore and in the State of Maryland, 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 making a part of this specification, which is a view in perspective of a street-lamp with the reflector in position, a portion of which, however, is broken out so as to show its construction more clearly.

It has been found that by reason of the interposition of the bottom of street-lamps, as constructed, no portion of the light falls upon the street within a radius of several feet from the foot of the lamp-post.

The object of my invention is to cast the light of the street-lamp directly about the lamp-post, as well as at other points; and consists in a simple, cheap, and movable reflector, placed upon the upper portion of a street-lamp.

In the drawing—

A represents a street-lamp of ordinary construction, and

B, the reflector. This reflector is made of tin or other suitable sheet metal, and may be made in strips soldered together or struck up in one piece. Its upper surface should be painted or otherwise protected

from the injurious effects of exposure, and its under surface should be bright or polished so as to reflect the rays of light from the lamp. The reflector is a rim of metal, of a form corresponding to the shape of the upper portion of the lamp to which it is fitted, and should slope outward from the lamp and downward at an angle of about thirty degrees from a horizontal plane. Upon ordinary street-lamps it will require a width of rim of about one and a half inch.

It is placed in position by slipping it over the top of the lamp and allowing it to rest upon the outside of the lamp, near the top of its upper glasses.

Its advantage consists in its simplicity, convenience, extreme cheapness, and adaptability to any sort of street-lamp.

Having thus described my invention,

What I claim as new therein is—

In combination with the lamp A, the detachable reflector B, constructed and arranged substantially as described and shown, for the purposes set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 10th day of December, 1870.

JOHN F. KERNS.

Witnesses:

J. H. FYMEYER,

WM. F. EBERWEIN.