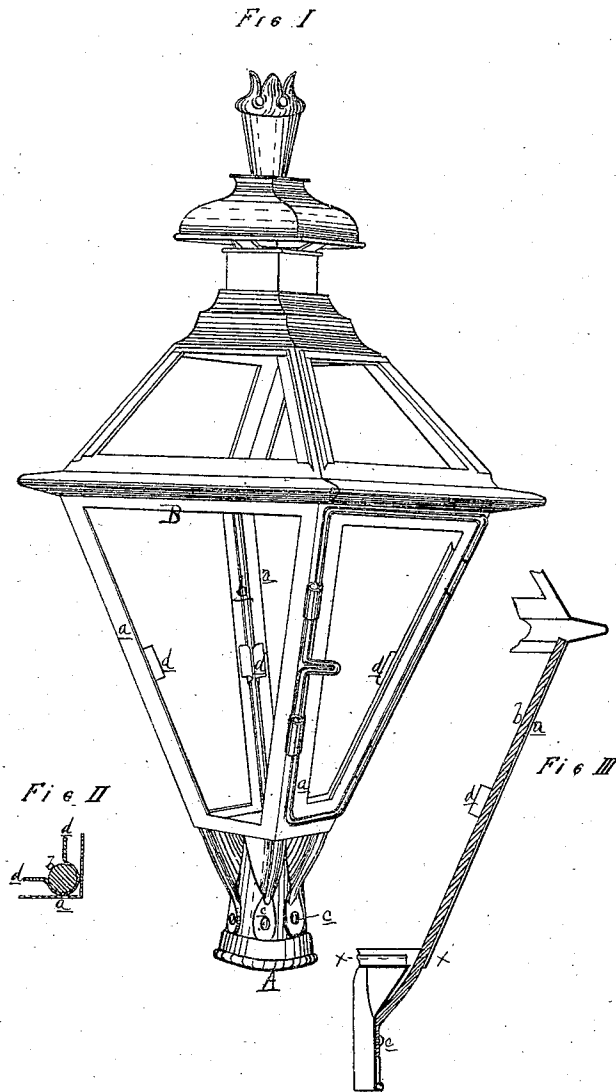


F. HARTMANN.

Street-Lamps.

No. 136,373.

Patented March 4, 1873.



Attest
W. Sprague
Charles & Co.

Inventor
F. Hartmann
By Atty -
W. Sprague

UNITED STATES PATENT OFFICE.

FREDERECK HARTMANN, OF CHICAGO, ILLINOIS.

IMPROVEMENT IN STREET-LAMPS.

Specification forming part of Letters Patent No. 136,373, dated March 4, 1873.

To all whom it may concern:

Be it known that I, FREDERECK HARTMANN, of Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Street-Lamp; and I do declare that the following is a true and accurate description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon and being a part of this specification, in which—

Figure 1 is a perspective view of my improved street-lamp. Fig. 2 is a cross-section of one corner taken on *xx* in Fig. 3, which is a vertical section of one corner of the main frame.

Like letters refer to like parts in each figure.

The invention consists in constructing a lamp with a wire or light iron rod soldered in the sheet-metal angle, which forms the corners of the lamp-frame. The said rod extends down at each corner, is riveted to the socket, and thereby makes the lamp-frame very much stiffer and stronger, a sheet-metal clip being also soldered around each corner rod for clamping the glass in place.

In the drawing, A represents the socket which supports the frame B of the lamp. The corner-pieces *a* of the frame are of sheet metal bent to an angle, and secured to the base-plate and top-section frame in the usual manner, the invention whereof I hereby disclaim. In

the corner of each angle-plate I secure, by soldering or otherwise, a light bar of round iron, *b*, extending the length of such angle-plate, its lower end passing down through the base-plate of the lamp to the lower part of the socket, where it is flattened and riveted, as at *c*, Fig. 1. Each rod thus serves as a brace to stiffen and strengthen the lamp-frame, and enable it to resist the force of the wind which frequently buckles and destroys the sheet-metal frames of street-lamps, as ordinarily constructed. The edges of the lamp-glasses rest against the rods or braces *b*, and by them are kept from moving laterally, being clamped in place by a flexible sheet-metal clip, *d*, which is soldered around each corner-brace about mid-height with projecting ends, which are bent over the inner edges of the glasses, and thus keep them in place.

The corners of the top frame of the lamp may be stiffened by similar braces, if desired.

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

The lamp described, having the socket A, rods *b* with clips *d* and corner-plates *a*, the rods *b* being so placed in the angle of the corner-plates as to hold the glass against the lateral movement, as described.

FREDERECK HARTMANN.

Witnesses:

WM. H. LOTZ,
GEO. FERRIS.