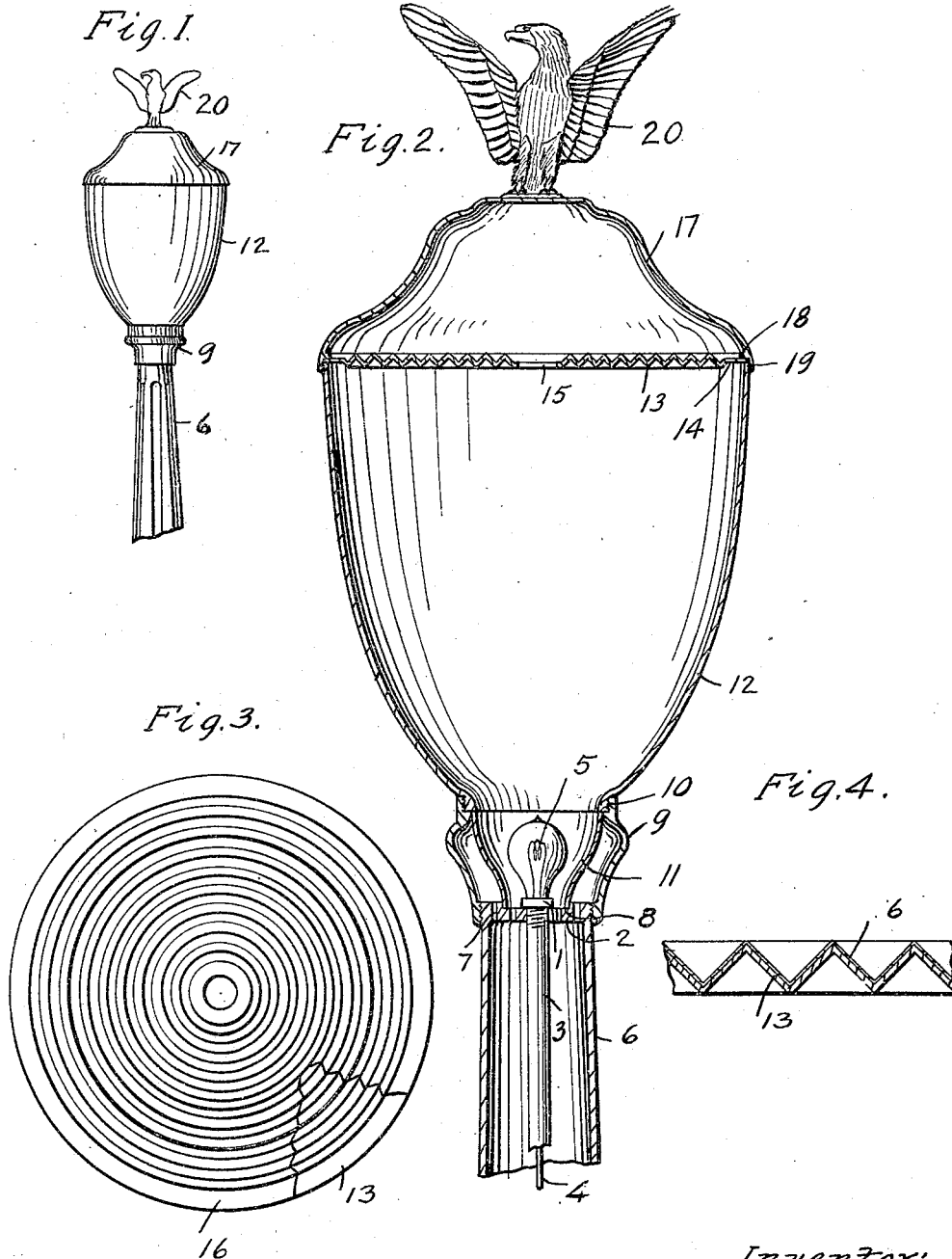


1,293,161.

Patented Feb. 4, 1919.



Inventor:  
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Attys

# UNITED STATES PATENT OFFICE.

FREDERICK SHANNON MILLS, OF LOS ANGELES, CALIFORNIA.

## LAMP CONSTRUCTION.

1,293,161.

Specification of Letters Patent.

Patented Feb. 4, 1919.

Application filed April 22, 1918. Serial No. 230,050.

To all whom it may concern:

Be it known that I, FREDERICK SHANNON MILLS, a citizen of the United States, residing at Los Angeles, in the county of Los Angeles and State of California, have invented new and useful Improvements in Lamp Constructions, of which the following is a specification.

My object is to make an improved lamp construction, especially for lamp posts, and my invention consists of the novel features herein shown, described and claimed.

Figure 1 is an elevation of a lamp embodying the principles of my invention, mounted on a post; the lower part of the post being broken away.

Fig. 2 is a sectional elevation on an enlarged scale.

Fig. 3 is a plan of the refractor.

Fig. 4 is a fragmentary cross sectional detail of the refractor.

A lamp socket 1 is centrally mounted through a head 2 upon the upper end of an electric conduit 3; the electric wires 4 running up through the conduit 3 to the filament of a bulb 5.

The head 2 is fixed in the upper end of a lamp post 6, said head being a flat circular plate having ventilator openings 7, and having a seat 8 in its upper face concentric with the socket 1.

A supporting fitting 9 is screwed upon the upper end of the post 6 and has an internal screw thread 10 in its upper end.

A funnel shaped reflector 11 fits upon the seat 8 and extends upwardly around the bulb 5 to a point above the top of the bulb 5. A funnel shaped translucent globe 12 fits the screw thread 10, and extends upwardly a considerable distance.

A reflector 13 has a flat rim 14 resting upon the upper edge of the globe 12. The reflector 13 has a central opening 15 to convey a small quantity of light upwardly through the opening; otherwise the reflector is impervious to light, and it may be of various materials such as glass or sheet metal; and preferably the reflector is annularly corrugated within the rim 14; and a coating 16 of opaque water-proof material is applied to the upper surface, and said coating may be asphalt or the like, or it may be a coating of silver like a mirror, with the back of asphalt or the like.

A cap 17 is preferably milk-white glass;

said cap has an inwardly projecting annular flange 18 resting upon the rim 14; and the cap 17 has an internally screw-threaded rim 19, screw-seated upon the upper end of the globe 12.

The cap 17 is concavo-convex and an ornament 20 may be mounted upon the apex of the cap 17.

In the practical application of my lamp, the light given off by the filament in the bulb 5 will be reflected upwardly by the reflector 11; and the light passing upwardly will strike the reflector 13, rebound and pass outwardly from the globe 12. A small quantity of light will pass upwardly through the opening 15 and be diffused through the milk-white shade or cap 17. The coating on the reflector 13 is intended to protect the reflecting surface against injury from sweating and moisture.

It will of course be understood that I may omit the opening 15 in the reflector 13. The cap 17 may be made of metal instead of glass, and various other changes may be made in the construction and arrangement of my lamp without losing the advantages described.

Various changes may be made without departing from the spirit of my invention as claimed.

I claim:

1. A lamp construction comprising, a lamp post; a head fixed in the upper end of the lamp post, said head being a flat circular plate having ventilator openings and having a seat in its upper face and a lamp socket at its axial center; a supporting fitting screwed upon the upper end of the lamp post; a reflector fitting in the upper end of the supporting fitting and extending downwardly within the supporting fitting and resting in the seat of the head; and a funnel shaped translucent globe screwed into the upper end of the supporting fitting and forming a continuation of the reflector.

2. A lamp construction comprising, a supporting fitting; a reflector mounted in the supporting fitting; a funnel shaped translucent globe extending upwardly from the supporting fitting; a reflector having a flat rim resting upon the upper edge of the translucent globe, said reflector being circular, flat and annularly corrugated; and a cap fitting upon the rim and extending around the upper end of the globe.

3. A lamp construction comprising a supporting fitting, a reflector mounted therein, a source of light mounted within the reflector, a funnel shaped translucent globe extending upwardly from the supporting fitting, a reflector provided with annular corrugations secured to the upper edges of the globe and provided with a central aperture, and a translucent convex shade extending upwardly from the upper edges of the translucent globe. 10

In testimony whereof I have signed my name to this specification.

FREDERICK SHANNON MILLS.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."