

(No Model.)

C. T. HAM.
STREET LAMP.

No. 259,758.

Patented June 20, 1882.

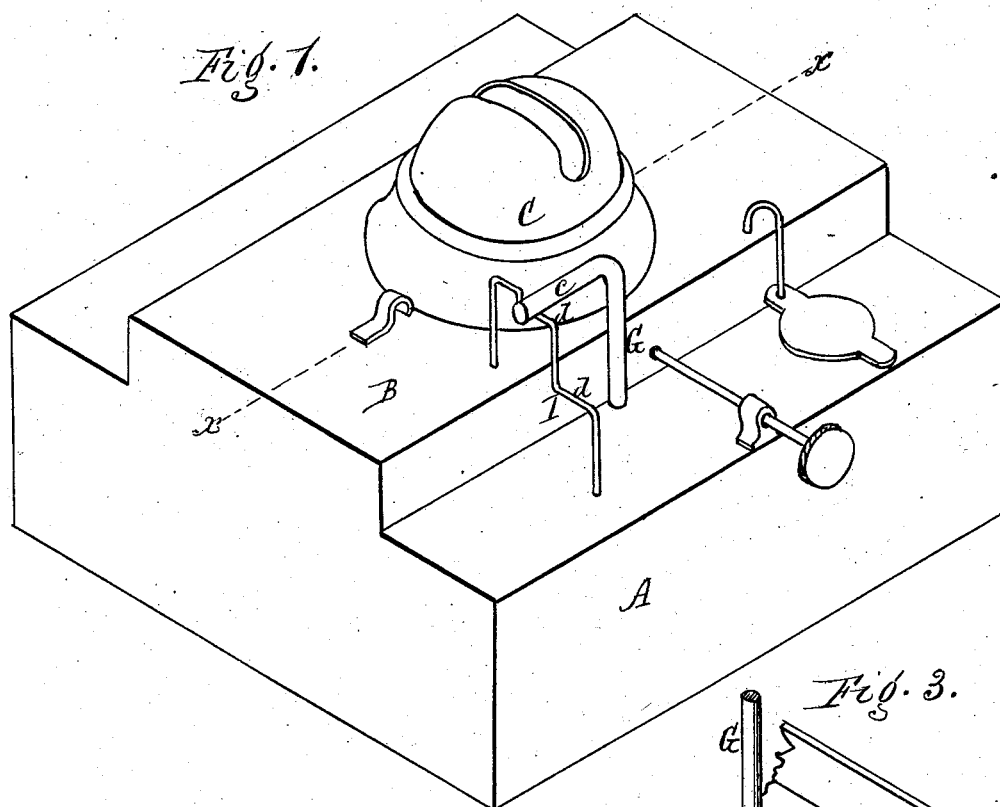


Fig. 2.

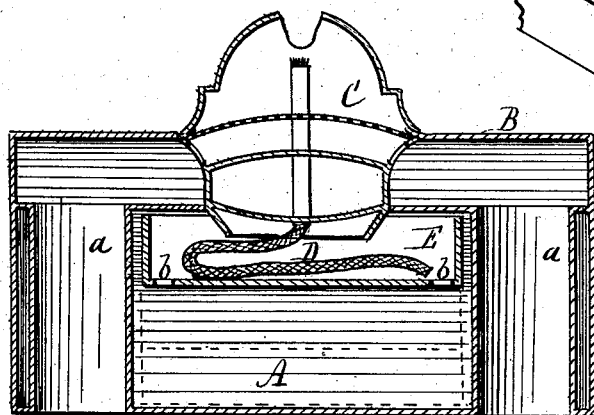
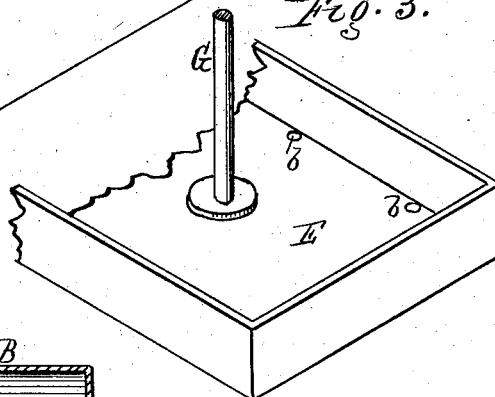


Fig. 3.



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UNITED STATES PATENT OFFICE.

CHARLES T. HAM, OF ROCHESTER, NEW YORK.

STREET-LAMP.

SPECIFICATION forming part of Letters Patent No. 259,758, dated June 20, 1882.

Application filed December 12, 1881. (No model.)

To all whom it may concern:

Be it known that I, CHARLES T. HAM, of Rochester, Monroe county, New York, have invented a certain new and useful Improvement in Street-Lamps; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective view of the lamp.
10 Fig. 2 is a vertical section of the same in line *xx* of Fig. 1. Fig. 3 is a perspective view of one end of the inner adjustable receptacle for holding the wick.

My improvement relates to street-lamps for
15 burning oil; and the object is to produce a self-extinguishing device, so that when the lamp has burned a given number of hours the light will expire without being put out by an attendant.

20 The invention consists in the construction and arrangement of parts, hereinafter more fully described and definitely claimed.

In the drawings, A indicates the lamp or fount, which may be made of square or any
25 desired form, and has at the top an air-chamber, B, communicating with side tubes, *a a*, by which air is fed to the blaze. On top of the air-chamber is the ordinary burner, C, having a wick, D, which extends down into the oil-
30 chamber.

My improvement is as follows:

E is a small receptacle or cup, which rests within the oil-chamber and receives and holds the loose lower end of the wick D. The cup
35 has holes or perforations *b b*, by which oil is admitted to the cup. To the cup is attached a vertical shaft, G, which extends up through the top of the lamp and has a bent end, *e*, which forms a handle. The lower end of the
40 shaft is swiveled or pivoted in the cup, which allows the shaft to turn, or, if desired, the handle portion may be swiveled on the upper end of the shaft. It will be seen that as the shaft is raised or lowered the cup will be raised or
45 lowered with it.

I is a gage located on the outside of the lamp and provided with a series of steps, *d d*, at uniform distance apart. The gage is so arranged that the handle *c*, when swung around, rests upon and is supported by the steps, as shown
50 in Fig. 1.

The operation is as follows: When the oil-chamber is full the cup is raised to the top and the handle rests on the upper step, as shown. The oil fills the cup and supplies the wick
55 therein. When the oil is exhausted below the level of the bottom of the cup the light will be extinguished from non-supply of oil, as the wick is confined within the cup. The oil thus used is the amount burned in one night, and
60 can be gaged with great accuracy to last a given number of hours. When the attendant lights the lamp the next night he lowers the handle on the gage one notch, which sinks the cup in the oil a distance equal to its depth,
65 and a supply of oil is furnished for the second night, and this is repeated till the oil is exhausted in the lamp. By this means the services of an attendant to extinguish the lamps is dispensed with, and much labor is saved.
70

I do not claim a cup holding the wick and resting within the reservoir, such as is shown in Patent No. 201,867; but

I claim—

In a lamp, the combination of the perforated
75 cup or receptacle E, for holding the wick, the swiveled shaft G, provided with the handle *c*, and the gage I, provided with the successive steps *d d*, as shown and described, and for the purpose specified.
80

In witness whereof I have hereunto signed my name in the presence of two subscribing witnesses.

CHARLES T. HAM.

Witnesses:

R. F. OSGOOD,
CHAUNCEY PERRY.