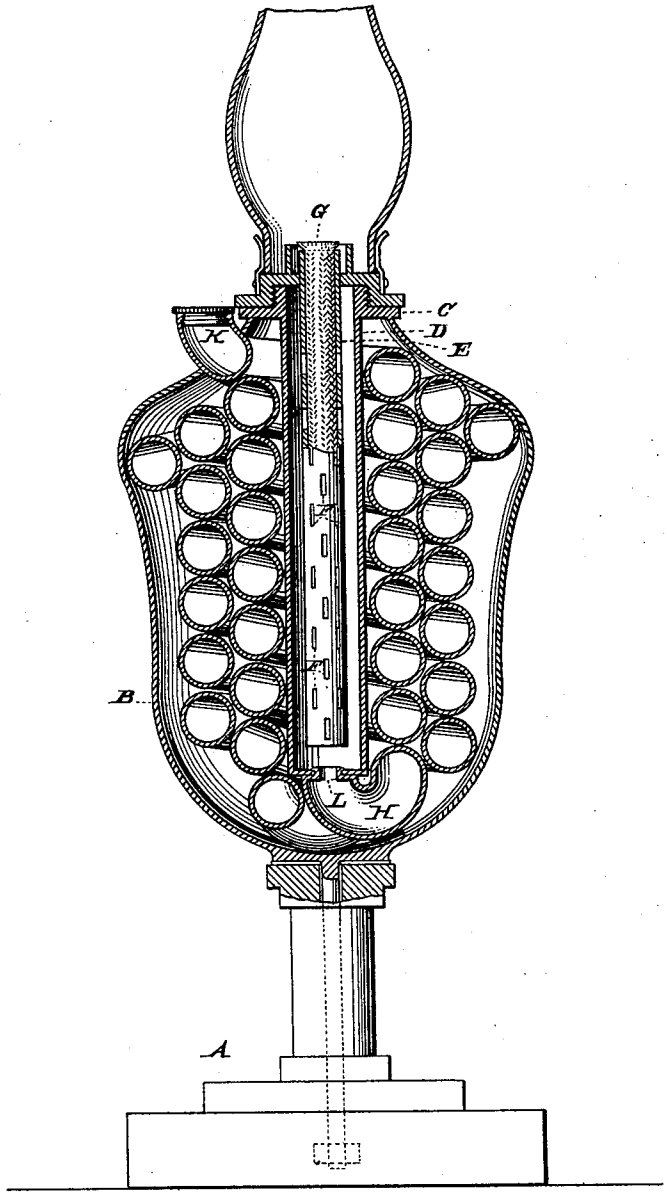
(No Model.)

T. H. HAYNOR.

LAMP.

No. 366,954. Patented July 19, 1887.



WITNESSES

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THOMAS HARMON HAYNOR, OF PORTSMOUTH, VIRGINIA.

LAMP.

SPECIFICATION forming part of Letters Patent No. 366,954, dated July 19, 1887.

Application filed September 21, 1886. Serial No. 214,193. (No model.)

To all whom it may concern:

Be it known that I, THOMAS HARMON HAYNOR, a citizen of the United States, and a resident of Portsmouth, in the county of Norfolk and State of Virginia, have invented certain new and useful Improvements in Lamps; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawing, and to letters or figures of reference marked thereon, which forms a part of this specification.

The drawing is a representation of this invention, and is a vertical section.

My invention relates to oil-lamps; and it consists in the construction and novel combination of parts, as hereinafter described and claimed.

The object of the invention is to provide for absolute safety and security from the danger of explosion of the lamp at all times, either while lighting the lamp or after it has been lighted; or at the time of extinguishing the flame or while relighting the lamp soon after the flame has been extinguished, the latter time being known to be exceedingly dangerous in lamps as now constructed.

Referring by letter to the accompanying drawing, A designates the pedestal, and B the bowl or shell, of the lamp, the bowl or shell B being preferably made of sheet metal.

The bowl or shell B is provided with an internally-threaded burner-seat, C, at its top, into which the upper end of the vertical oil-tube D is secured, said oil-tube D being threaded externally at its upper end for this purpose. The oil-tube D is of such diameter as to have a capacity that will supply the oil to the wick-tube only as fast as the oil is absorbed by the wick itself and consumed by the flame.

E designates the wick-tube, which is provided with any desired number of perforations F therein, to permit the wick G to absorb the necessary oil in the oil-tube.

H designates a hollow tube, which is connected to the lower end of the oil-tube D by a small pipe-connection, L. The purpose or object of making the pipe-connection L smaller than the oil tube D is to, in a measure, retard the flow of the oil to the wick, the latter taking up the oil by capillary attraction as rapidly as the oil is consumed at the burner. The hollow tube H is coiled first around the oil-tube D and then coiled upon itself a suitable number of times, according to the oil capacity desired, and is finally projected through the bowl or shell B near the burner-seat C, but a sufficient distance therefrom to permit the tube H to be conveniently filled with oil. The filling-aperture K is closed by a screw-cap or otherwise.

The burner is of any of the well-known constructions, and is ventilated in the usual manner to supply the draft to the flame.

Having described this invention, what I claim, and desire to secure by Letters Patent, is—

The combination, with the lamp-bowl, of the oil-tube, the perforated wick-tube, the encircling hollow tube projecting at its upper end through the lamp-bowl, and the small pipe connecting the coil to the vertical oil-tube, substantially as specified.

In testimony whereof I affix my signature in presence of witnesses.

THOMAS HARMON HAYNOR.

Witnesses:
THEO. MUNGEN,
ISAAC B. MAHEN,
PHILIP C. MASI.