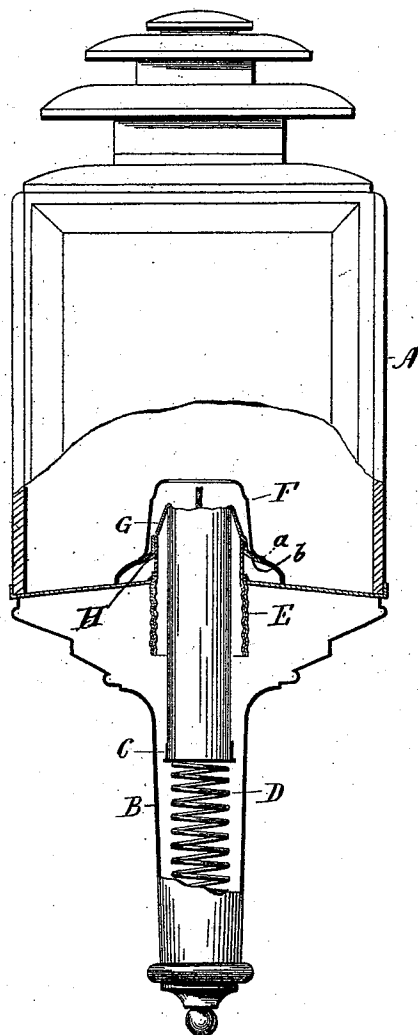


(No Model.)

G. H. C. TOLMAN.
COACH LAMP.

No. 526,877.

Patented Oct. 2, 1894.



Witnesses.
J. H. Shumway
Lillian D. Kelsey

George H. C. Tolman.
Inventor.
By Atty
Coker & Seymour

UNITED STATES PATENT OFFICE.

GEORGE H. C. TOLMAN, OF NEW HAVEN, CONNECTICUT.

COACH-LAMP.

SPECIFICATION forming part of Letters Patent No. 526,877, dated October 2, 1894.

Application filed April 23, 1894. Serial No. 508,611. (No model.)

To all whom it may concern:

Be it known that I, GEORGE H. C. TOLMAN, of New Haven, in the county of New Haven and State of Connecticut, have invented a new

Improvement in Coach-Lamps; and I do hereby declare the following, when taken in connection with the accompanying drawing and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawing constitutes part of this specification, and represents in face view a lamp, the lower portion broken away to show a sectional view of the candle-holding device.

This invention relates to an improvement in coach-lamps, and particularly to that class in which a candle is employed for illuminating purposes, the object being the construction of the cap and candle-holder whereby a device is produced in which the candle is securely held centrally within the cap, one in which the melted wax cannot run down the sides of the candle and into the candle-holder, and also one in which the parts are readily formed from sheet-metal, and the invention consists in the construction and combination of parts as will be hereinafter described and particularly recited in the claim.

A, represents the coach-lamp, which may be of any ordinary construction, and provided with a depending socket B, in which a candle-holding socket C is arranged, upon a spring D, the tendency of the spring being to force the socket upward.

The base of the lamp is provided with a depending internally threaded socket E in line with the socket C.

The candle cap F is of ordinary shape, formed from sheet-metal, with an annular shoulder *a*. Within this cap the candle-holder G is fixed. This holder consists of a substantially tubular piece, struck from sheet-metal, with an outwardly extending flange *b*, at its lower end, adapted to set into and rest upon the shoulder *a* of the cap. Above the flange the sides of the holder are straight for a short distance, when they contract to the top, which stands slightly below the top of the cap F, the internal diameter of the

opening in the top being slightly less than the external diameter of the candle to be employed. Within this holder is a depending sleeve H, corresponding in diameter to the straight portion of the holder G, its lower end screw-threaded corresponding to the threaded socket E into which it is adapted to be turned. This sleeve H is secured to the holder G, by soldering, or otherwise, and the flange of the holder secured against the shoulder *a* of the cap F. Thus the three parts are firmly united, and the sleeve being turned into the socket will hold the cap securely against the base of the lamp. A candle being placed in the socket C, its upper end will rest against the inside of the cap, and be thereby prevented from further upward movement. As the candle burns, the spring D holds it in its up position. In case of the coach jolting, the melted wax around the top of the candle will be thrown into the space between the holder G, and cap F, thus preventing its escape around the inside of the lamp, or down the sides of the candle, where it would be liable to settle around the spring, and thereby prevent its action.

By this construction the parts are readily formed from sheet-metal, and easily united, so as to form substantially an integral construction.

I claim—

The combination with a coach-lamp having a spring actuated candle, of a cap formed from sheet-metal and formed with an annular shoulder, a candle-cap holder also formed from sheet-metal, with a flange extending outward from its lower edge corresponding to said shoulder and secured therein, a sleeve adapted to be secured to the inside of the said holder, and permanently united thereto, substantially as described.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

GEO. H. C. TOLMAN.

Witnesses:

CHAS. B. JONES,
LOUIS C. COWLES.