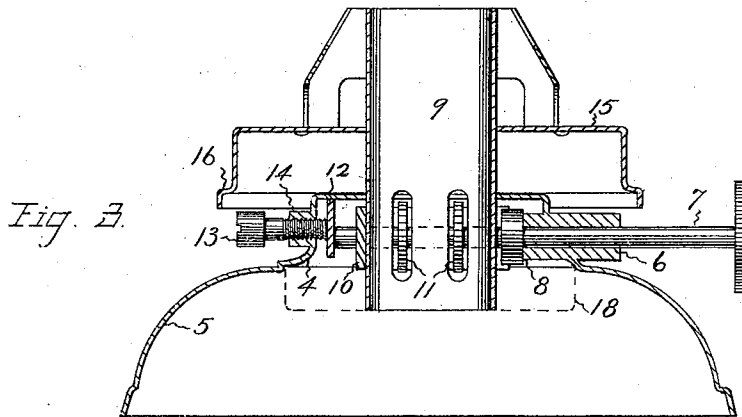
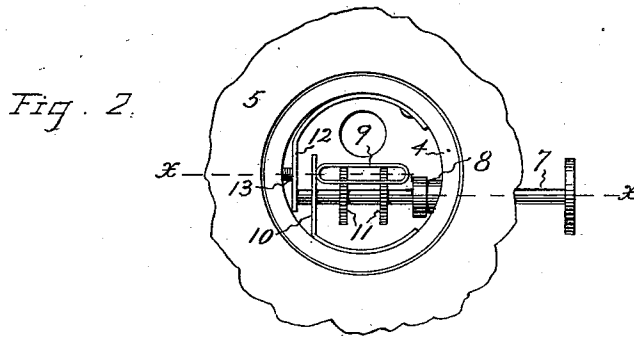
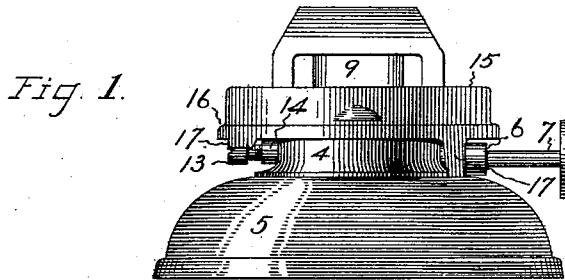


(No Model.)

W. C. HOMAN.
LAMP BURNER.

No. 564,309.

Patented July 21, 1896.



WITNESSES

Chas. M. Byles

INVENTOR

William C. Homan

By James Shepard
Att'y.

UNITED STATES PATENT OFFICE.

WILLIAM C. HOMAN, OF MERIDEN, CONNECTICUT, ASSIGNOR TO THE
EDWARD MILLER & COMPANY, OF SAME PLACE.

LAMP-BURNER.

SPECIFICATION forming part of Letters Patent No. 564,809, dated July 21, 1896.

Application filed May 4, 1896. Serial No. 590,173. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM C. HOMAN, a citizen of the United States, residing at Meriden, in the county of New Haven and State of Connecticut, have invented certain new and useful Improvements in Lamp-Burners, of which the following is a specification.

My invention relates to improvements in lamp-burners; and the main object of my improvements is to provide simple and efficient means to prevent the wick from falling.

In the accompanying drawings, Figure 1 is a side elevation of my burner with one of the cap-supporting lugs broken away. Fig. 2 is a reversed plan view of the same with the outer rim of the burner-base broken away. Fig. 3 is an enlarged vertical section on the line *xx* of Fig. 2, some of the parts being in elevation.

The main portion of my burner may be of any ordinary construction. In the form in which I have reduced the burner to practice I have formed the burner base or neck 4 directly on the top 5 of the lamp-fount, and in one and the same piece of metal therewith, but this is not essential. I have also applied said burner for use in a bicycle-lantern, but it is evident that it may be used in ordinary lamps or lanterns if desired.

At one side of the burner base or neck 4 I provide the wick-raising-shaft bearing 6, within which the outer end of the wick-raising shaft 7 is securely supported. On the wick-raising shaft is a fixed washer or collar, that forms a shoulder 8 for bearing endwise against the inner end of the shaft-bearing 6. Said shaft extends along by the side of an ordinary wick-tube 9, and has a bearing at its inner end in the lug 10, from which lug the end of the wick-raising shaft projects. Said wick-raising shaft is also provided with the ordinary wick-operating spur-wheels 11, extending through holes in the wick-tube in the usual manner. Upon the inside of the burner base or neck I secure a spring or yielding lug 12, with its end portion standing directly in front of the inner end of the wick-raising shaft. An adjusting-screw 13 extends through a suitable hub or support 14 in the burner neck or base, so that the head of said screw may be outside of the burner-neck, while its inner end may bear upon the yielding lug 12 at the inside of said neck. The burner-cap

15, having a seat 16 for the lantern-body or a lamp-chimney, is supported by suitable lugs 17 in a position sufficiently elevated above the top 5 of the lamp-fount to permit access to the head of the adjusting-screw 13. In order to prevent too rigid a pressure of the adjusting-screw on the wick-raising shaft, I arrange said parts out of alinement with each other, whereby the elasticity of the yielding lug may be more effective than could be the case if said screw and shaft were in longitudinal alinement. An inner diaphragm or cap underneath the neck or base at the lower end of the wick-tube may be employed if desired, as indicated in broken lines at 18, Fig. 3.

In bicycle-lanterns, carriage-lanterns, lamps for cars, or for use in any position where the lamp is liable to have the wick drop from its adjusted position by being shaken or jarred it is desirable to more securely hold the wick in position than it is held in an ordinary lamp. It will be seen that by turning the adjusting-screw out or in greater or less endwise pressure may be given to the wick-raising shaft, so that its shoulder 8 will press against the end of the shaft-bearing with more or less friction, as may be desired, and insure the wick against accidental dropping, even under very severe jars.

I do not wish to limit myself to the precise details of construction shown, but intend to cover all such changes as fairly fall within the spirit and scope of my invention, especially when the desired function is obtained by devices which force the wick-raising shaft endwise against a shoulder.

I claim as my invention—

1. A lamp-burner having a shouldered wick-raising shaft, and devices for exerting an endwise pressure on said shaft and forcing the shoulder thereof against its bearing, substantially as described.

2. A lamp-burner having a shouldered wick-raising shaft, in combination with the yielding lug bearing against the end of said shaft and the adjusting-screw for bearing on said lug substantially as described.

WILLIAM C. HOMAN.

Witnesses:

D. B. MILLER,
NORMAN E. SMITH.