

(No Model.)

E. H. JUDKINS.

Wick Ratchet Stop for Lamp Burners.

No. 236,708.

Patented Jan. 18, 1881.

Fig. 1.

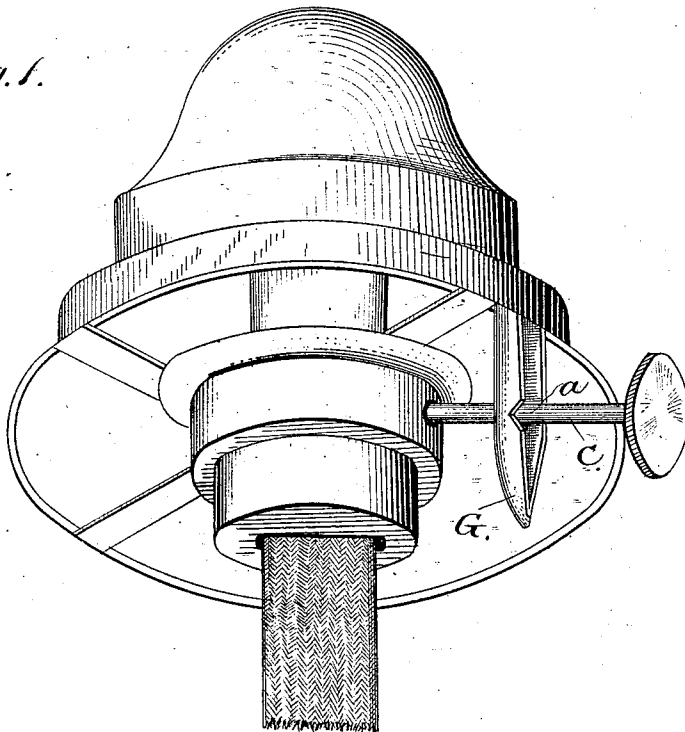
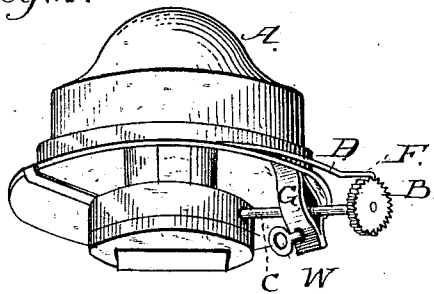


Fig. 2.



Attest.

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UNITED STATES PATENT OFFICE.

EDWIN H. JUDKINS, OF SAN FRANCISCO, CALIFORNIA, ASSIGNOR OF ONE-FOURTH TO ADAM GOOD, OF SAME PLACE.

WICK-RATCHET STOP FOR LAMP-BURNERS.

SPECIFICATION forming part of Letters Patent No. 236,708, dated January 18, 1881.

Application filed October 22, 1880. (No model.)

To all whom it may concern:

Be it known that I, EDWIN H. JUDKINS, of the city and county of San Francisco, State of California, have invented a Wick-Ratchet Stop for Lamp-Burners; and I hereby declare the following to be a full, clear, and exact description thereof.

My invention relates to an attachment for lamp-burners whereby the wicks are prevented from slipping after having been once placed in position.

It consists of a frictional clasp attached to the inner rim of the burner, and embracing the shaft or spindle of the regulating-wheel, and an assistant in a spring-arm attached to the outer rim of the burner and pressing upon the periphery of the thumb or regulating wheel.

The object of my invention is to provide a useful contrivance which will hold the wick in position and avoid the constant regulating in lamps used in street-cars, railroad-cars, and other vehicles and places where the motion has a tendency to cause the wick to slip.

Referring to the drawings for a more particular description, Figure 1 shows one form of holding-clamp. Fig. 2 shows a modification of the holding-clamp, and in which both holding devices are applied.

Let A represent the ordinary lamp-burner with its regulating-wheel B and shaft C. Fastened to the inner rim of the burner, as shown, is the frictional clasp G, embracing the regulating-shaft C, and consisting of two strips of metal tightened around the shaft by means of the screw W. Thus the clasp is made tight enough to hold the shaft, so that the jarring of the lamp cannot make it turn. This clasp G can also be made of one piece of metal and embracing the shaft C very tightly, as shown at a in Fig. 1.

As an assistant to the clasp G, I can have attached, at a point on the outer rim of the burner, a short distance from the regulating-wheel B, a spring-wire, D, the other end of which is so bent as to form an arm, F, which presses upon the periphery of the regulating-wheel B, which may have a smooth edge, or it may be milled or provided with small teeth, whereby the arm F may obtain a firmer hold.

By these contrivances, after placing the wick in such position as to give the required light, it remains fixed and cannot slip.

I am aware that various means have been used to regulate a wick; but they all refer simply to its limits in height, and between those limits the contrivances have failed to prevent slipping. My invention is not for limiting it, but is to prevent it from slipping at all after having once been fixed.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The frictional clasp or clamp G embracing the regulating-shaft C, whereby said shaft is prevented from turning, substantially as hereinbefore described.

2. In combination with a lamp-burner, the frictional clasp or clamp G embracing the regulating-shaft C, and the frictional attachment D acting on the regulating-wheel B, substantially as and for the purposes hereinbefore described.

In witness whereof I have hereunto set my hand.

EDWIN H. JUDKINS.

Witnesses:

WM. F. BOOTH,
S. H. NOURSE.