W. C. CROSS.

LAMP-FILLER.

No. 171,269. Patented Dec. 21, 1875.

Fig. I.

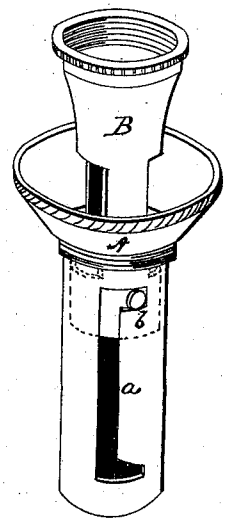
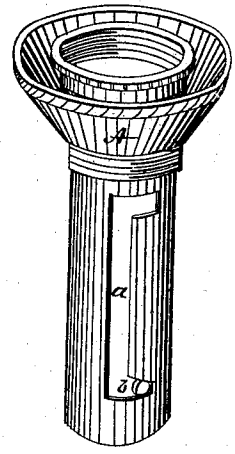


Fig. II.



WITNESSES

F. B. Townsend.

James Stevenson.

INVENTOR

William C. Cross.

per Attys.

A. H. Evans & Co.

N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

WILLIAM C. CROSS, OF BOSTON, MASSACHUSETTS.

IMPROVEMENT IN LAMP-FILLERS.

Specification forming part of Letters Patent No. **171,269**, dated December 21, 1875; application filed June 11, 1875.

To all whom it may concern:

Be it known that I, WILLIAM C. CROSS, of Boston, Massachusetts, have invented a new and useful Improvement in Lamp-Fillers, of which the following is a clear, full, and exact description, reference being had to the accompanying drawings making a part of this specification, in which—

Figure 1 is a perspective of my invention when the lamp is being filled. Fig. 2 is a perspective view of same when the lamp has been filled.

My invention has relation to kerosene and other similar lamps; and it consists in the novel construction for operating and securing in position the sliding feed-tube within the catch-funnel. In this class of lamps the feed-tubes have heretofore been held by springs, which were liable to accident in the event the lamp should be upset, whereby the oil would be allowed to come in contact with the flames. To overcome this difficulty, and to secure a positive action on the feed-tube, is the object of my invention.

To enable others skilled in the art to make and use my invention, I will proceed to describe the exact manner in which I have carried it out.

In the drawings, A represents the catch-funnel of a lamp, provided with the longitudinal slot *a*, having at its upper end a short continuation at right angles to the line of the main body of the slot, and at the lower end a similar continuation nearly at right angles, but with a slight downward incline for a purpose hereinafter explained. B is a sliding feed-tube, sliding within the catch-funnel, and provided with the stud *b*, fitting in the slot *a*. When the feeding-tube is raised the stud *b* is moved into the horizontal portion of the slot, as shown in Fig. 1, where it is held in perfect security without any danger of its dropping accidentally into the catch-funnel. When the lamp has been filled and the feed-tube returned to its position within the catch-funnel the stud *b* is turned into the lower and inclined part of the slot, and by means of the incline the feed-tube flange is forced down tightly on its seat within the top of the catch-funnel, where it is securely held and not liable to drop loose and allow the oil to spill should the lamp by accident be overturned. The feeding-tube B is slotted, as shown in Fig. 1, to allow the oil to pass into the lamp, or it may be corrugated longitudinally for the same purpose. The catch-funnel may be recessed to admit of a cork seat for the upper portion of the feed-tube.

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

In a lamp, the catch-funnel A, provided with the slot *a*, in combination with the feed-tube B, provided with the stud *b*, substantially as and for the purpose set forth.

WILLIAM C. CROSS.

Witnesses:

STILLMAN B. ALLEN,

DANIEL J. F. COUGHLAN.