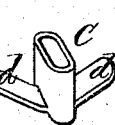


ented March 12, 1872.

Fig 4



Inventor.

John M. Goodridge

Chipsman & Co -
Attyys.

Attyys.

UNITED STATES PATENT OFFICE.

JOHN M. GOODRIDGE, OF NORFOLK, VIRGINIA.

IMPROVEMENT IN LAMP-EXTINGUISHERS.

Specification forming part of Letters Patent No. 124,567, dated March 12, 1872.

To all whom it may concern:

Be it known that I, JOHN M. GOODRIDGE, of Norfolk, in the county of Norfolk and State of Virginia, have invented a new and valuable Improvement in Lamp-Extinguisher; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of a transverse central section of my invention. Fig. 2 is a horizontal section of the same. Figs. 3 and 4 are details.

My invention relates to extinguishers for kerosene-lamps; and the novelty consists in the hereinafter-described construction and arrangement of devices which operate automatically to extinguish the light in the event of the accidental falling or tilting of the lamp. The object of my invention is to prevent explosions.

Referring to the accompanying drawing, A represents an ordinary burner for kerosene-lamps, incasing the wick-tube B. C designates a sliding sleeve which fits the wick-tube near its upper end, and which is constructed with two oblique arms, *d*, projecting from opposite sides in an upward direction, as shown. D designates a bent rod, which is constructed with a ring, *d'*, at its upper end, encircling

the tube B. The rod is journaled to lugs *D'*, projecting from the base-plate of the burner through a slot, *d''*, in which passes the rod, as shown in Fig. 2. To the lower end of the rod a weight, E, is secured.

It will be seen that when the lamp is tilted the rod is held in position by the weight, which is governed by the force of gravitation. The ring *d'* is thus brought into contact with one of the arms *d* of the sleeve C, and the sleeve raised above the top of the wick projecting from the wick-tube, thereby extinguishing the light before the contents of the lamp can escape.

The ring *d'* may be adapted to operate by bending it up on either side of the rod toward the arms *d*. In this way a slight tilting of the lamp will cause the light to be extinguished.

I claim as my invention—

The pendulum D E, having the ring *d'*, and journaled to the burner A, in combination with the wick-tube B and the sliding sleeve C, having the upwardly and outwardly-inclined arms *d*, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

JOHN M. GOODRIDGE.

Witnesses:

D. D. KANE,
F. B. CURTIS.