L. W. P. GRAY.

SAFETY ATTACHMENT FOR LAMPS.

No. 192,647. Patented July 3, 1877.

FIG. 1.

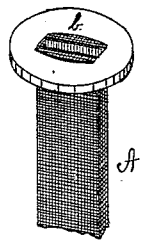
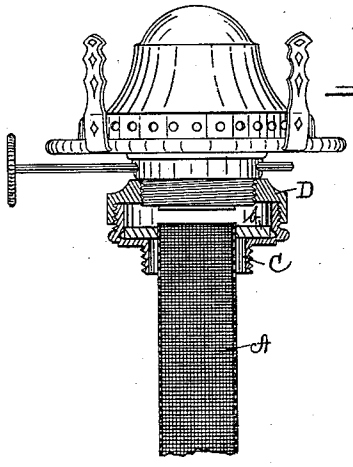


FIG. 2.



WITNESSES.

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IMPROVEMENT IN SAFETY ATTACHMENTS FOR LAMPS.

Specification forming part of Letters Patent No. **192,647**, dated July 3, 1877; application filed April 5, 1877.

To all whom it may concern:

Be it known that I, LEONIDAS W. P. GRAY, a resident of the city of New Orleans, parish of Orleans and State of Louisiana, have invented a certain new and useful Improvement in Safety Attachment for Coal-Oil Lamps, and I do hereby declare the following to be a full, clear, and correct description of the same, reference being had to the annexed drawing, making a part of this specification.

The object of my invention is to provide a means for effectually preventing the explosion of coal-oil lamps; and it consists in attaching to the base of the burner, in the manner shown, a wire-gauze wick-tube, so as to prevent the flame from being blown down, and communicating with the oil or gas in the body of the lamp.

My invention will be readily understood by referring to the accompanying drawing, whereon Figure 1 represents my improved wick-tube, and Fig. 2 the manner in which it is attached to a lamp-burner.

On the drawing, A represents the gauze tube, the diameter of which is made to suit the wick or size of lamp to which it is designed to be applied, it being made sufficiently large to allow the wick to move freely up and down the same.

The upper end of this tube is secured to a washer, *b*, which fits into the lower portion, C, of a coupling, the upper half, D, of which is intended to be screwed to the base of the burner, and the whole apparatus secured to the upper ring of a lamp by threads cut on the lower section, or by any other desirable means.

The washer *b* is made of a size smaller than the interior diameter of the coupling, so that it may revolve freely therein as the burner is screwed on or off the lamp.

Although the tube is described as being made of wire-gauze, it is evident that the same may be made of any perforated material with the same result.

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

The gauze tube A, provided with washer *b*, in combination with the couplings C D and lamp-burner or lamp, as described and for the purpose specified.

In testimony whereof I have hereunto set my hand.

L. W. P. GRAY.

In presence of—
J. C. HUBBELL,
H. N. JENKINS.