

No. 694,858.

Patented Mar. 4, 1902.

H. L. HILLS.
LAMP BURNER ATTACHMENT.

(Application filed Oct. 26, 1901.)

(No Model.)

Fig. 1.

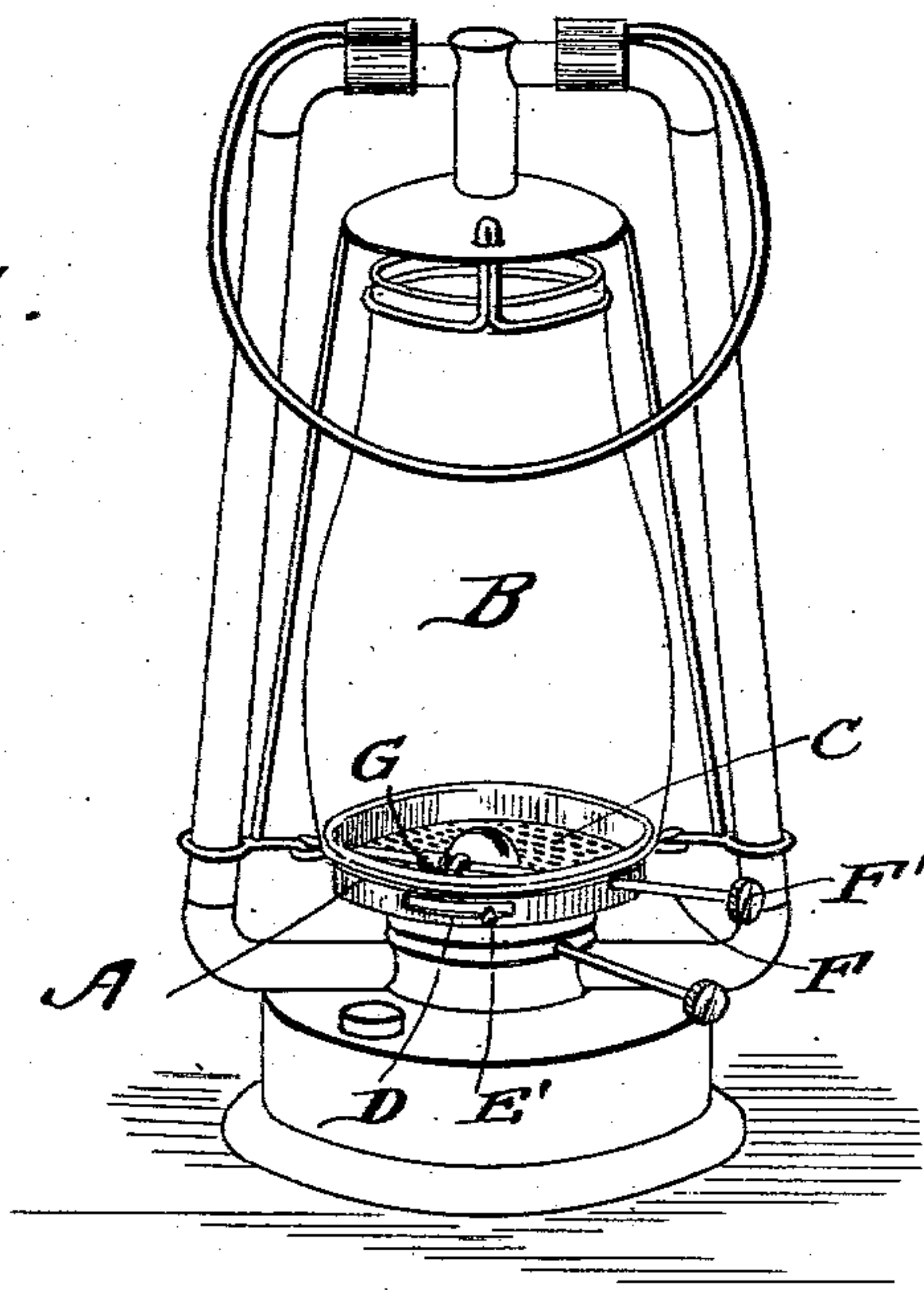


Fig. 2.

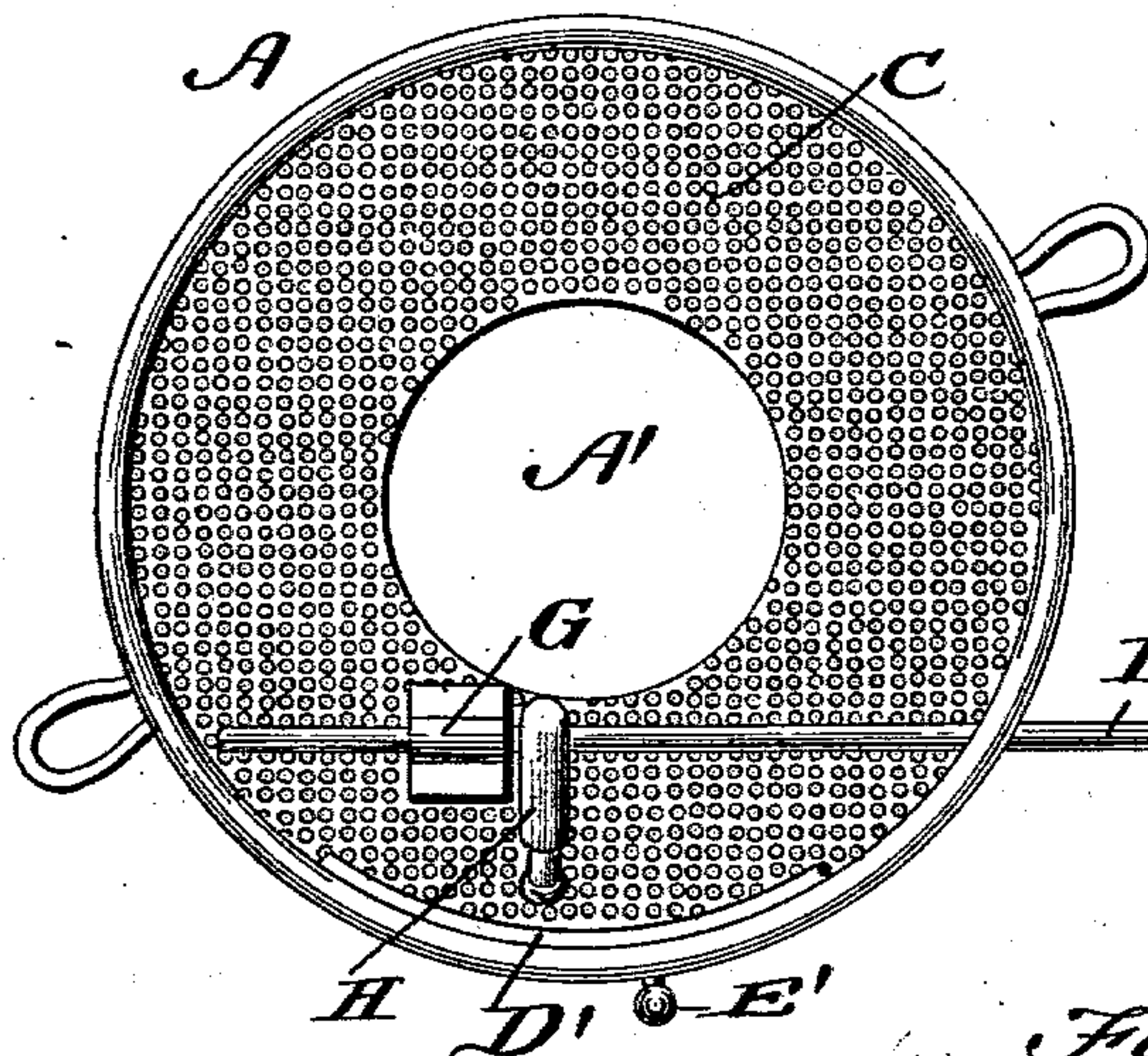


Fig. 4.

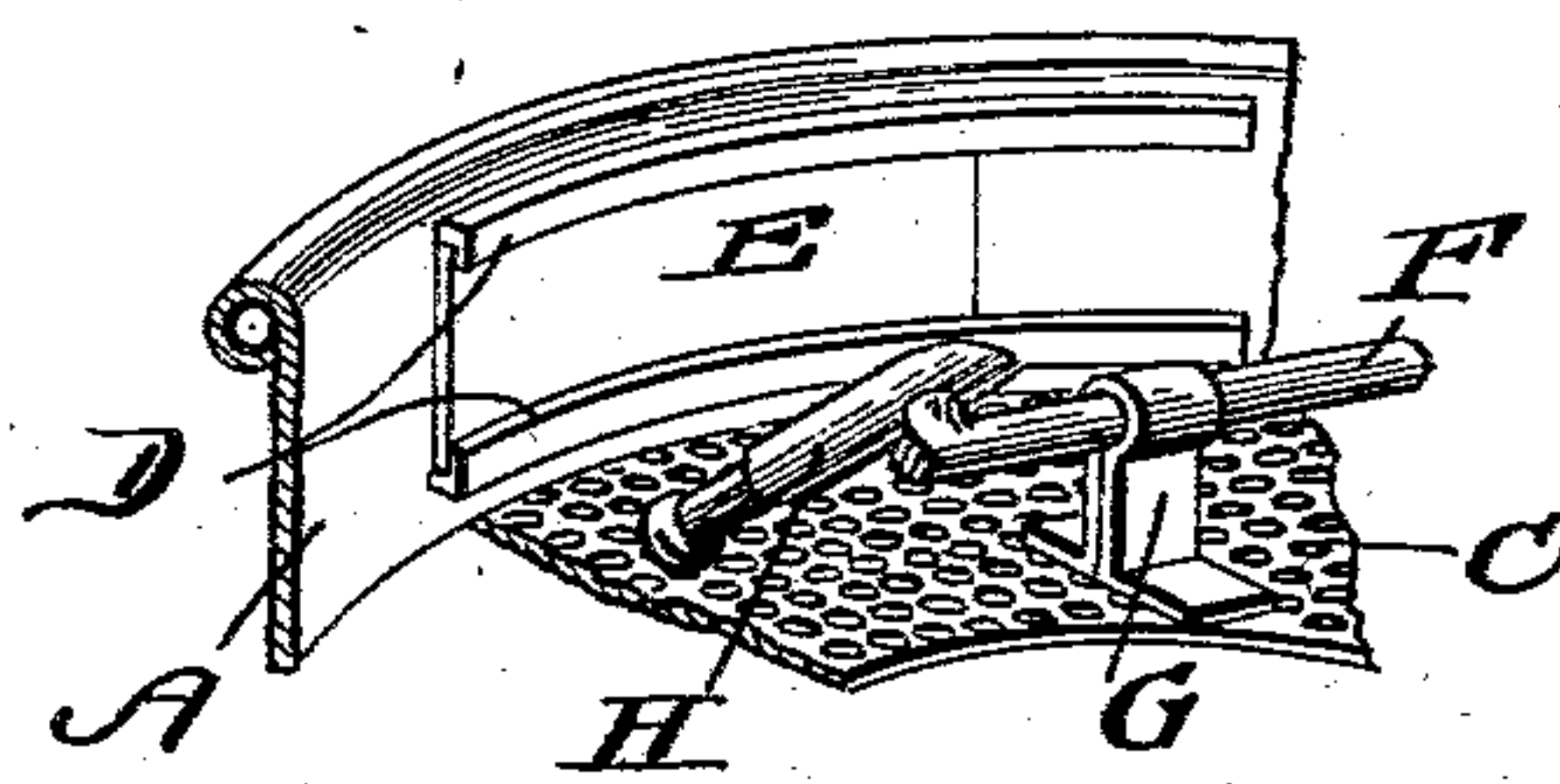


Fig. 5.

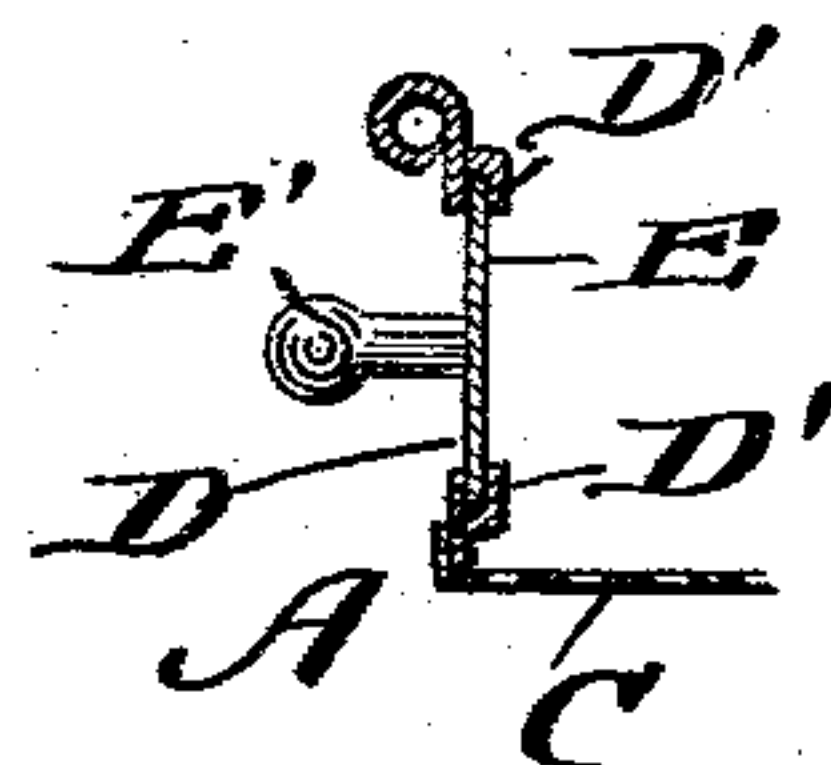
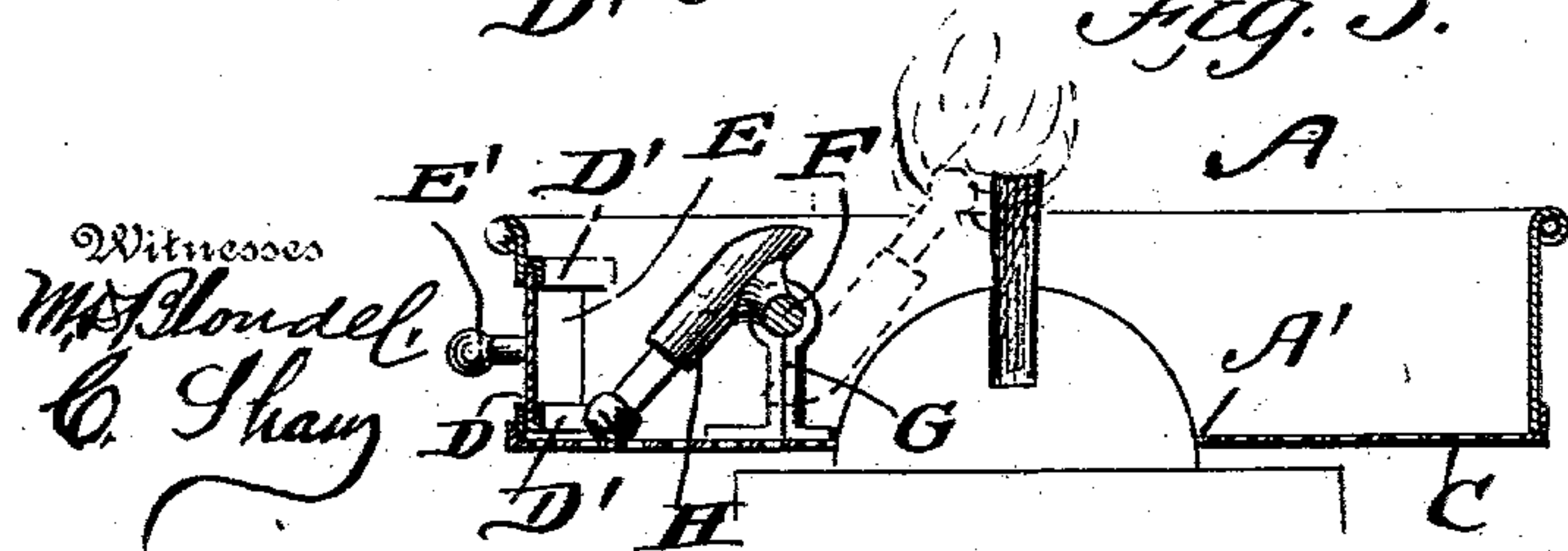


Fig. 3.



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LAMP-BURNER ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 694,858, dated March 4, 1902.

Application filed October 26, 1901. Serial No. 80,124. (No model.)

To all whom it may concern:

Be it known that I, HOWARD L. HILLS, a citizen of the United States, residing at Lansing, in the county of Ingham and State of Michigan, have invented a new and useful Improvement in Lamp-Burner Attachments, of which the following is a specification.

This invention relates generally to lamp-burners, and more particularly to an attachment to the said burners whereby the wick can be lighted without removing the globe or shade at the time of lighting, as it frequently happens, particularly in the case of lanterns which are used out of doors, that a strong wind is blowing at the time it is desired to light the burner, and it is with the idea of providing an attachment whereby the burner can be lighted without removing the globe or shade.

With this object in view the invention consists in the novel features of construction hereinafter fully described, and pointed out in the claims.

In the drawings forming part of this specification, Figure 1 is a perspective view showing the application of my invention to an ordinary lantern; but it will of course be understood that my invention is also applicable to other forms of burners, and, in fact, to all kinds of burners. Fig. 2 is a top plan view of the burner attachment separate from the lamp or lantern. Fig. 3 is a sectional elevation showing in dotted lines the manner of reversing the match-holder for the purpose of applying the same to the end of the wick. Fig. 4 is a detail perspective view illustrating the manner of striking the match. Fig. 5 is a detail sectional view illustrating the slide for closing the slot produced in the side of the holder.

In carrying out my invention I employ a globe or shade holder A, upon which the glass globe or shade B rests, said holder having a perforated bottom C, the circular side of said holder having a slot D at one side in which fits a slide E, operated by means of a knob E', said slide sliding in suitable guideways D', arranged at the top and bottom of the slot or opening. The rod F is passed through one side of the holder, the inner end fitting in a guide-bracket G, fastened upon the bottom

of the holder, so that the rod will occupy a position parallel with a diameter of the circular opening A' produced in the bottom of the holder and in which fits the wick-plate of the burner. This rod F has a wheel or knob F' at its outer end, by means of which it is manipulated, said rod being slidable longitudinally through the side and guide-bracket and is also rotatable in the said side and bracket, as indicated in dotted lines in Fig. 3. A match-holding tube H is fastened upon the rod F adjacent to its inner end, said tube being adapted to have a match inserted therein through the slot or opening D produced in the side of the holder, and by quickly moving the rod back and forth with the holder turned so as to project the head of the match against the perforated bottom of the globe-holder the match will be ignited, and then by reversing or partially rotating the rod the ignited match can be brought adjacent to the wick, and thereby light the burner. The match will of course be inserted sometime previous to the time of which it will be desirable to light the lamp; and when it is desired to light the lamp it will only be necessary to slide the rod, ignite the match, and thus rotate the rod so as to bring the match into contact with the wick.

It will thus be seen that I provide an exceedingly cheap, simple, and efficient attachment, which can be used in connection with any of the burners now in use and by means of which the said burner can be lighted without removing the glass globe or shade.

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

1. A burner attachment comprising a globe or shade holder having perforated bottom, and a slidable and rocking rod, and a match-holding tube carried by the said rod, substantially as described.

2. A burner attachment comprising globe or shade holder having a perforated bottom and a slotted side, a slide closing said slot, a rod sliding through the side and a match-holding tube carried adjacent to one end of said rod, substantially as shown and described.

3. A burner attachment comprising a globe or shade holder having a perforated bottom,

and a slotted side, a slide adapted to close the said slot, a sliding and rocking rod passing through the side of the holder, a guide-bracket arranged upon the bottom of the holder and
5 in which the inner end of said rod slides and rocks, and a match-holding tube arranged upon the said rod adjacent to its inner end,

substantially as and for the purpose described.

HOWARD L. HILLS.

Witnesses:

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HORACE B. ANGELL.