

(No Model.)

3 Sheets—Sheet 1.

E. HILL.
LANTERN.

No. 366,955.

Patented July 19, 1887.

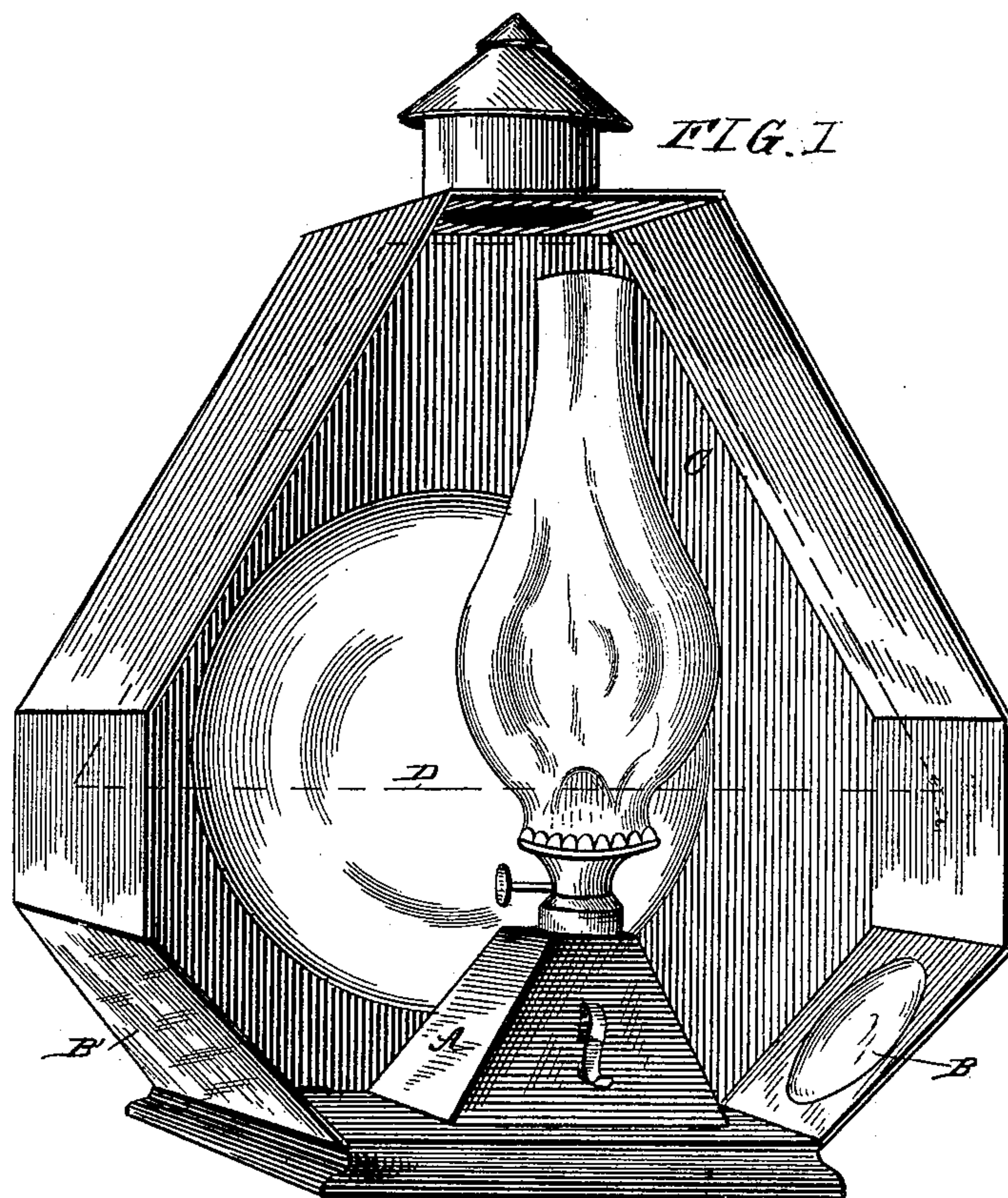
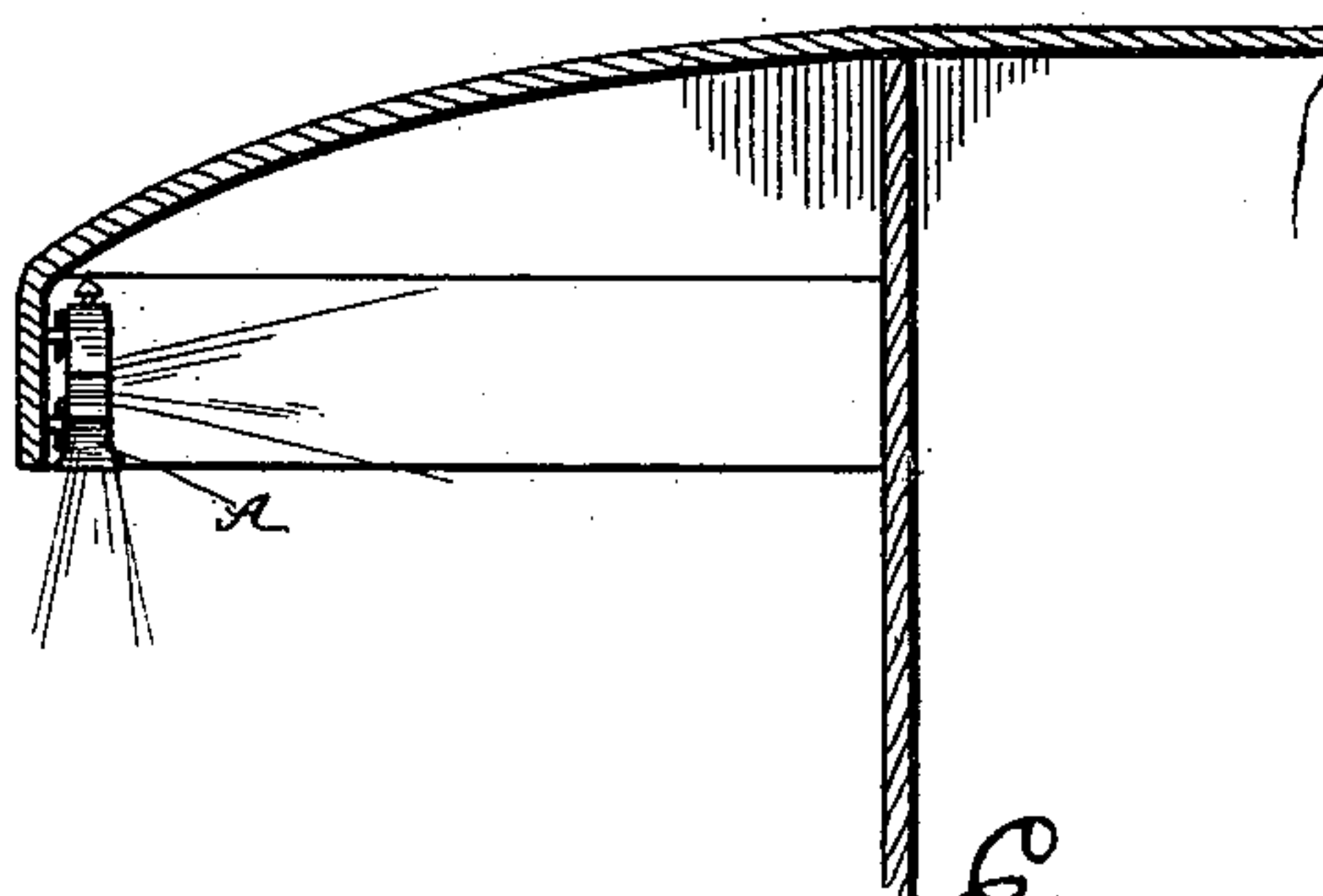


FIG. 5



Witnesses
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Inventor

By *his* Attorneys in fact
Barbush & Corning

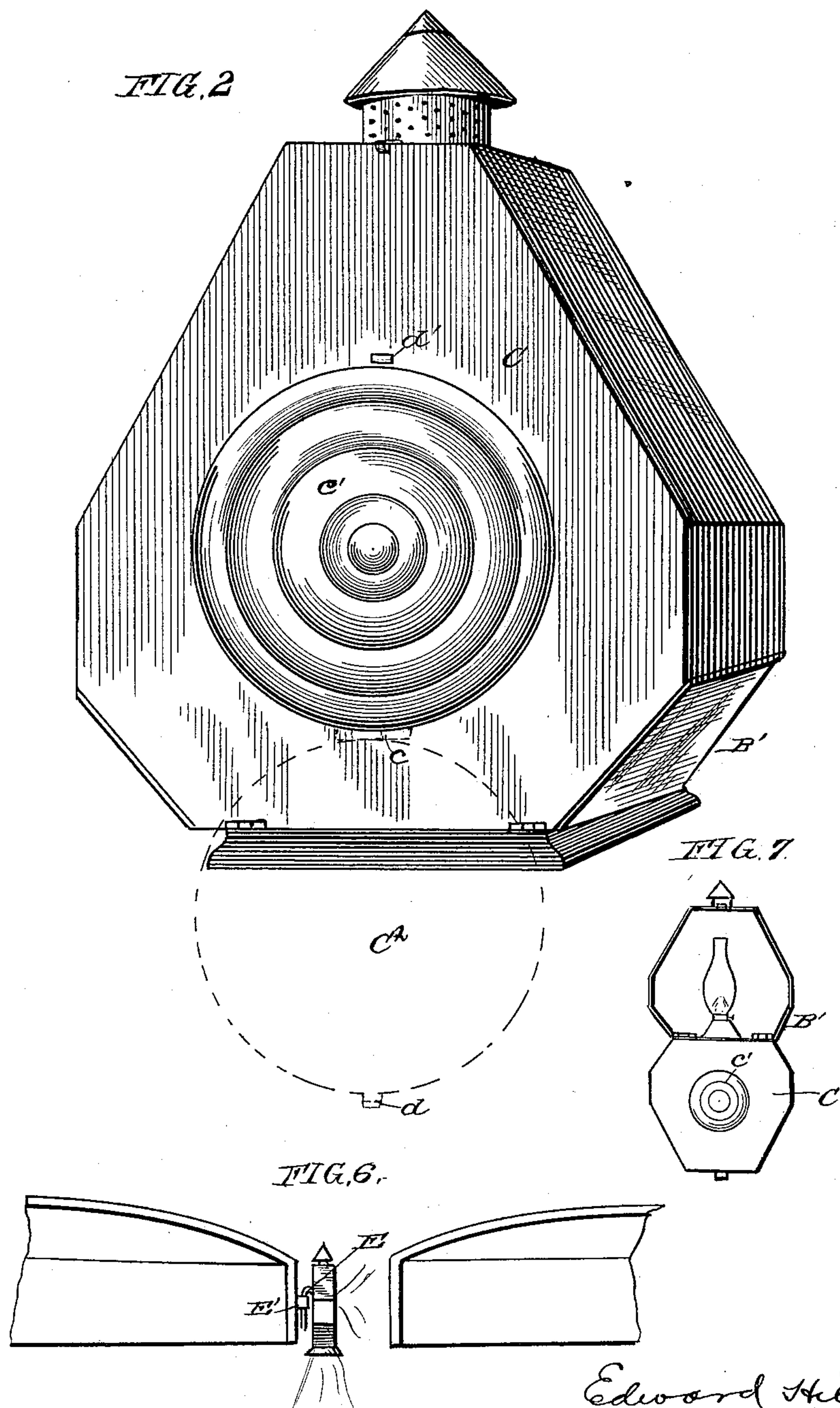
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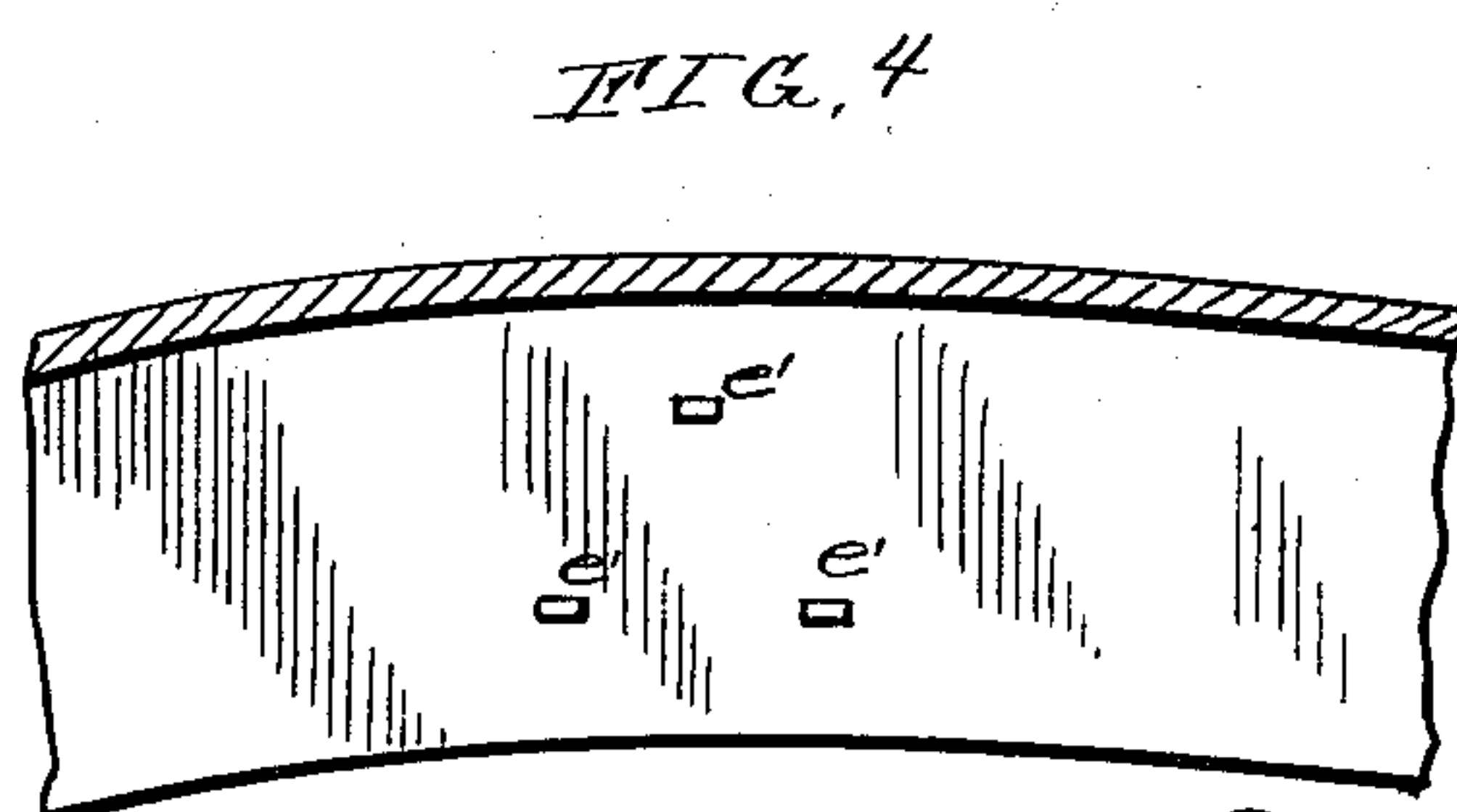
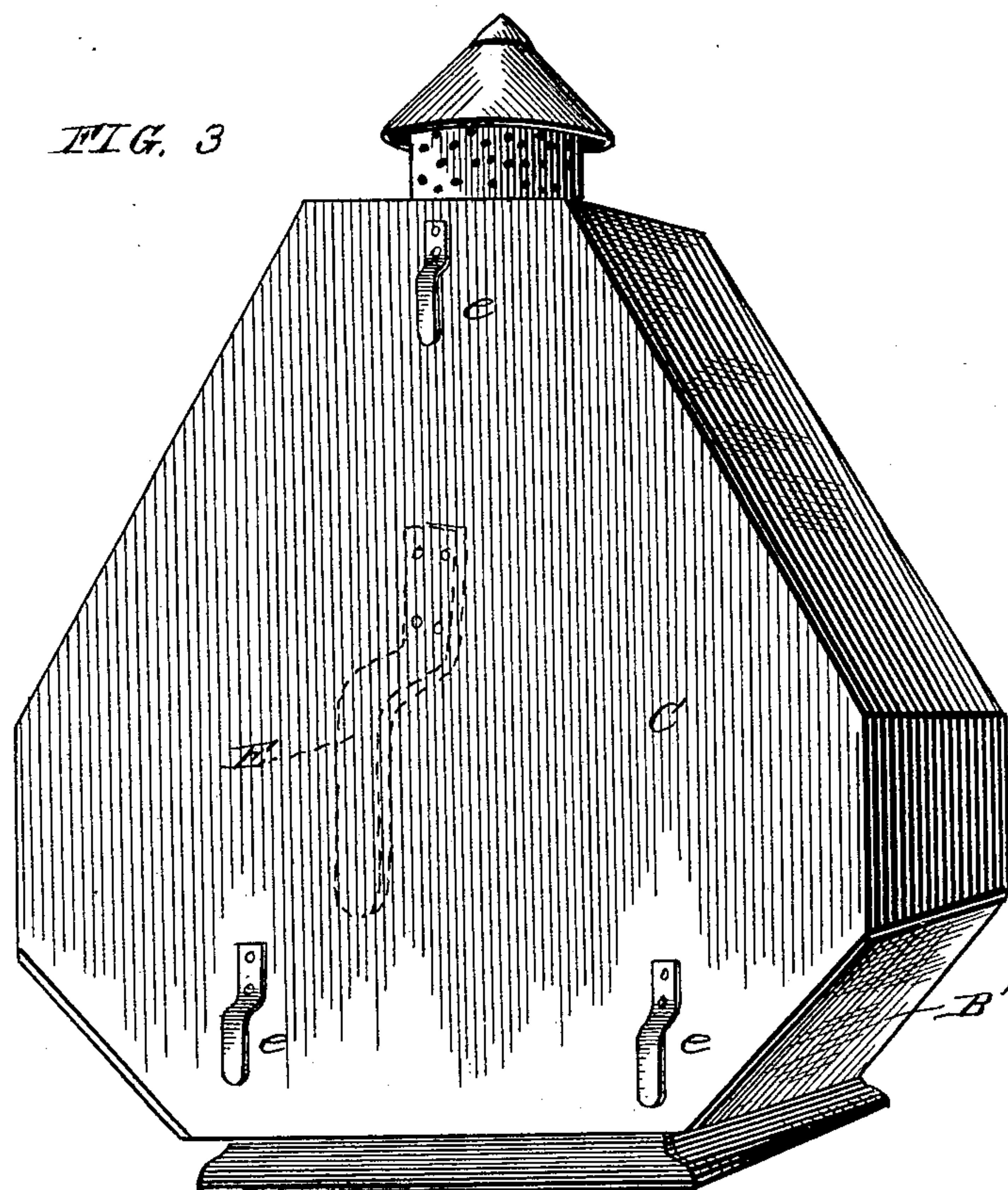
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UNITED STATES PATENT OFFICE.

EDWARD HILL, OF MELROSE, MASSACHUSETTS.

LANTERN.

SPECIFICATION forming part of Letters Patent No. 366,955, dated July 19, 1887.

Application filed January 7, 1887. Serial No. 223,673. (No model.)

To all whom it may concern:

Be it known that I, EDWARD HILL, a citizen of the United States, residing at Melrose, in the county of Middlesex and State of Massachusetts, have invented a new and useful Improvement in Lanterns, of which the following is so full, clear, and exact a description as will enable others skilled in the art to which my invention appertains to make and use the same, reference being had to the accompanying drawings.

My invention relates to an improvement in lanterns; and it consists in certain novel features of construction, as will be hereinafter described and claimed.

In the drawings, Figure 1 is a perspective view of my invention with the back or side cover removed. Fig. 2 is a front perspective of my invention, showing the bull's-eye in place. Fig. 3 is a rear perspective view of the same, showing hooks for attaching the lantern in place. Fig. 4 is a detail view of a portion of the inner side of the hood or apron, showing the fixtures to which the rear of the lantern is attached. Fig. 5 is a detail view of a portion of the end of the car, showing the lantern in position on the inside of the curtain of the hood. Fig. 6 is a view of a portion of two hoods, showing their relative position as two cars are coupled together, and showing one of the ways in which the lantern may be secured to the outside apron when it is desired to have the lantern light the platform of two adjacent cars. Fig. 7 is a view showing the lantern with one of the sides which forms the door let down.

Similar letters denote corresponding parts.

The object of my invention is to provide a lantern which will be simple in construction, and one which will, when attached to a hood of a railroad-car, light the platform and steps of the same on both or either sides of the car, as desired, in such a manner that a passenger can readily see where to step in getting on or off the car without having the light glaring in his eyes.

In the accompanying drawings, C designates the casing, within which is placed a lamp, A. This casing C is preferably made in the form shown—that is, having a vertical front and

back, and inclined upper and lower sides connected by a straight portion. The front side of the casing is hinged and forms a door, S, for the purpose of permitting ready access to the interior of the lamp-casing in order to clean the same or for any other purpose, and is provided with a bull's-eye, C', covered, when desired, by a hinged door or cover, C². This cover C² is provided with a catch, d, which engages with a locking device, d', above the bull's-eye on the lantern. The lower inclined sides of the casing are preferably likewise provided with a bull's-eye, B; but I may, if I so desire, substitute a plate-glass section for the bull's-eye, as designated by B' in the drawings, without departing from the spirit of my invention. The interior of this casing C is preferably lined with a reflecting-surface—such as bright tin, nickel-plating, or a reflecting silver surface, or any other reflecting-surface, as may be found desirable for use in this connection—although obviously I may just as well provide the interior with reflectors D.

In Fig. 3 I show three hooks, e e e, which are designed to engage with three corresponding recesses or staples, e' e' e'. (Shown in Fig. 4.) I sometimes, however, design to dispense with these three hooks and provide one larger hook, E, which is shown in the center of Fig. 3, and which is adapted to engage with a single loop or staple, E', as is clearly shown in Fig. 6.

In Fig. 6 I show two car-hoods, between which is secured a lantern in such a manner that light will be thrown upon both platforms of the two cars, so that a passenger can pass over the platforms or from one car to the other without liability of stumbling.

When the lantern is used solely to light the steps of the car and the platform or that portion of the track which is adjacent to the car-platform, the cover is closed over the bull's-eye.

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

1. A lantern having a vertical back and a vertical front provided with a glass or lens, and inwardly-inclined lower sides provided with a glass or lens, the entire inner surface of

the lantern, with the exception of the glass or lens openings, being provided with a reflecting-surface.

2. A lantern having inwardly-inclined upper sides, a vertical front and a vertical back provided with a glass or lens, and inwardly-inclined lower sides provided with a glass or lens, the entire inner surface of the lantern, with the exception of the glass or lens openings, being provided with a reflecting-surface,

in combination with a means for attaching the lantern to a support, substantially as described.

In testimony that I claim the above as my invention I have hereunto set my hand in the presence of two subscribing witnesses.

EDWARD HILL.

Witnesses:

CHAS. F. ADAMS,
GEO. D. BENTON.