E. TUFTS.

Lantern.

No. 209,308. Patented Oct. 22, 1878.

Fig. 1

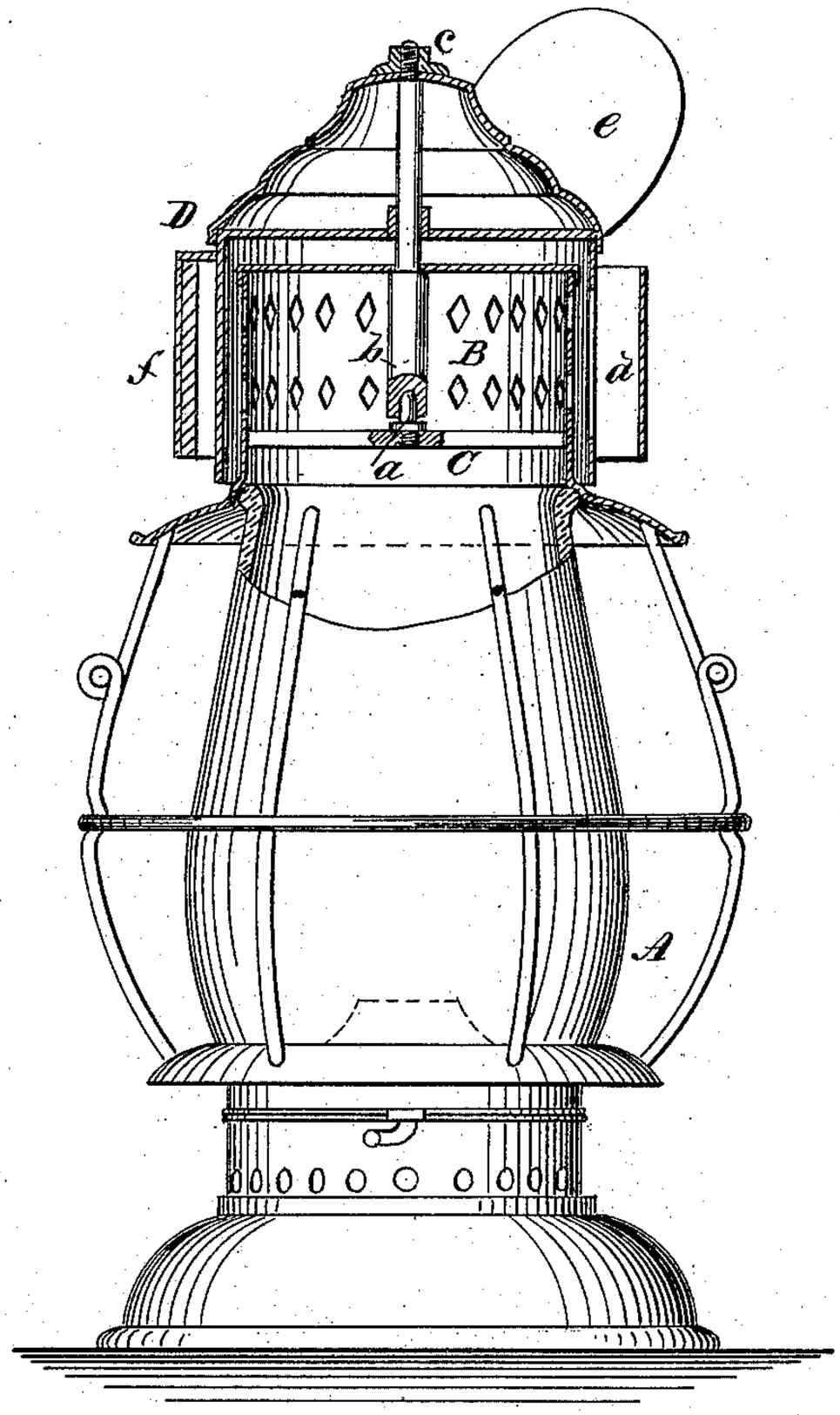
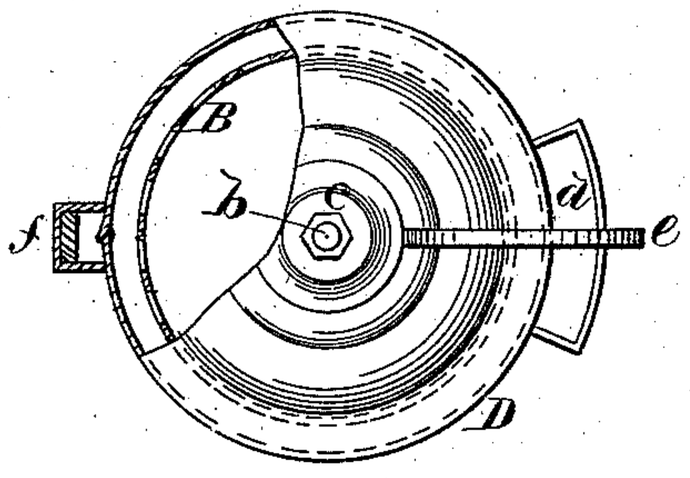


Fig. 2



WITNESSES:

C. Neveux

6. Sedgwick

INVENTOR:

E. Tufts

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ATTORNEYS.

UNITED STATES PATENT OFFICE.

EUGENE TUFTS, OF MALDEN, MASSACHUSETTS.

IMPROVEMENT IN LANTERNS.

Specification forming part of Letters Patent No. **209,308,** dated October 22, 1878; application filed September 6, 1878.

To all whom it may concern:

Be it known that I, EUGENE TUFTS, of Malden, in the county of Middlesex and State of Massachusetts, have invented a new and Improved Lantern, of which the following is a specification:

Figure 1 is a side elevation, partly in section, of a lantern containing my improvement. Fig. 2 is a plan view, having a portion broken away to show the internal construction.

Similar letters of reference indicate corresponding parts.

The object of the invention is to obviate the blowing out of the light by gusts of wind or by a swift movement of the lantern.

In the drawing, A is a lantern of ordinary form, having the cylindrical top B, the sides of which are perforated to permit the smoke to escape. A bar, C, extends across the top, and supports at its center a stud, *a*, upon which rests a spindle, *b*, which extends upward through the lantern-top, and is shouldered to prevent it from being drawn from the lantern. A cowl, D, which is cylindrical in form, and is somewhat larger in diameter than the lantern-top, is placed over the lantern-top, and secured to the spindle *b* by a nut, *c*, so that it turns freely with the spindle.

The mouth of the cowl is surrounded by a lip, *d*, and above it a vane, *e*, is placed, which keeps the mouth out of the wind. To the side of the cowl opposite the mouth a weight, *f*, is secured to counterbalance the weight of the lip and vane. The cowl is turned by a slight current of air, so that the light cannot be blown out by gusts of air blowing in at the top of the lantern.

I am aware that it is not new to make a lantern in detachable parts or with automatic dampers over the air-inlets, orifices in the bottom, and condensing-passages, or with concave canopy, open top, and automatic cowl; but

What I do claim as of my invention is—

In a lantern, the perforated cylinder B, the top cross-bar, C, having stud *a*, and the shouldered spindle *b*, in combination with a cowl, D, secured on and revolving with said spindle, the vane *e*, having lip *d*, and the weight *f*, as shown and described, for the purpose specified.

EUGENE TUFTS.

Witnesses:

E. W. LEAVENS,

A. TUFTS.