

(No Model.)

W. H. FULTON, dec'd.

J. F. ARNOLD, administrator.

Tubular Lantern.

No. 230,391.

Patented July 27, 1880.

Fig. 3.

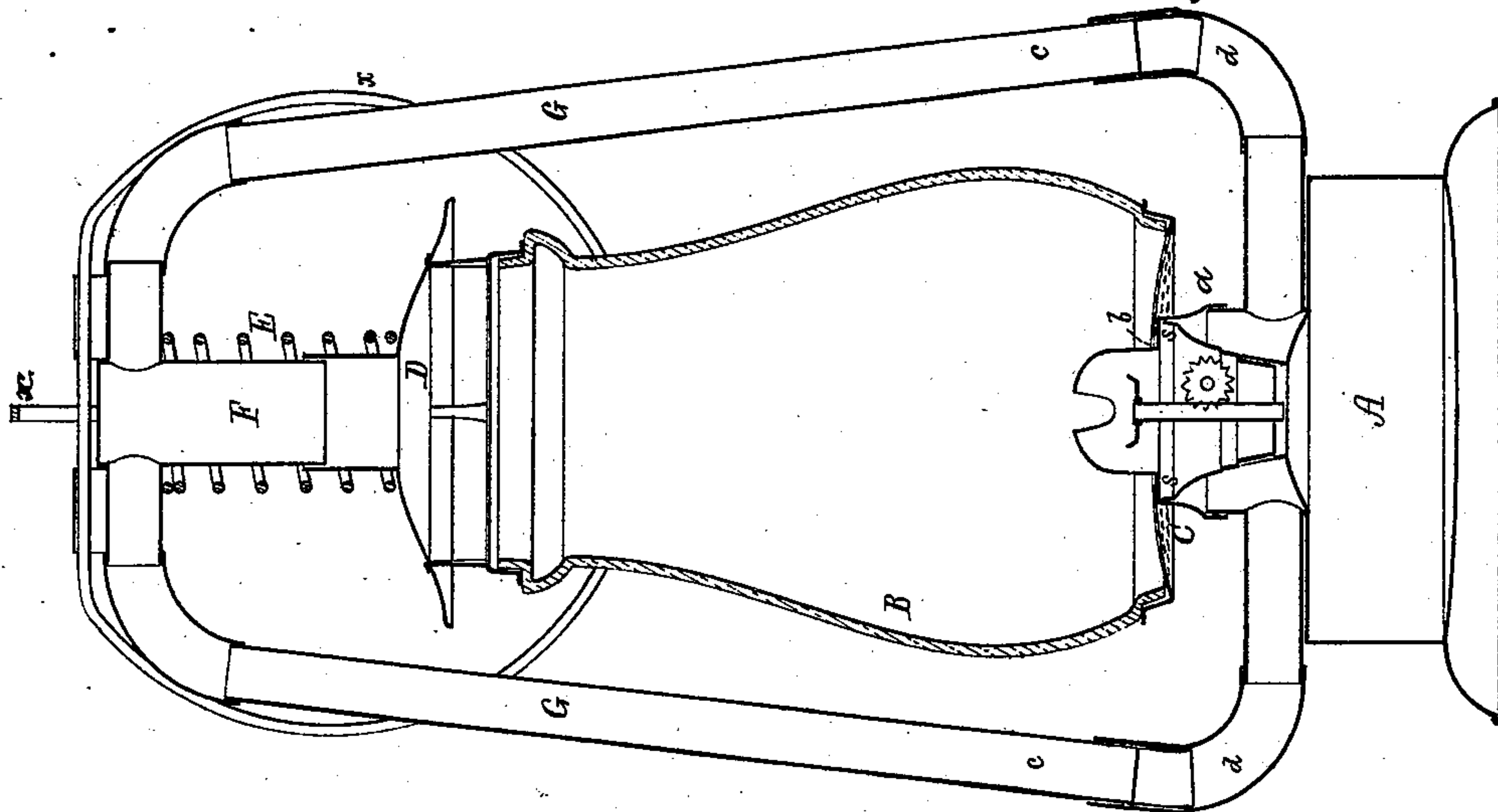


Fig. 2.

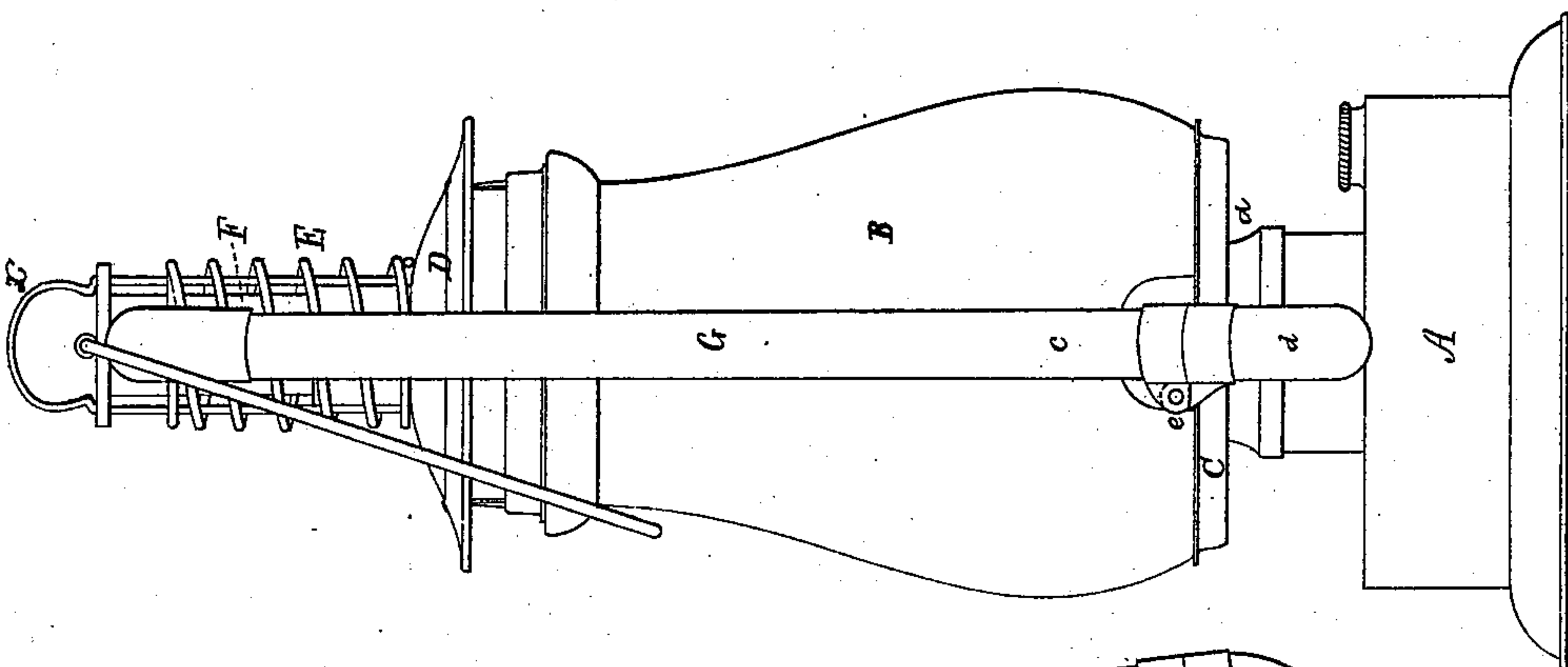
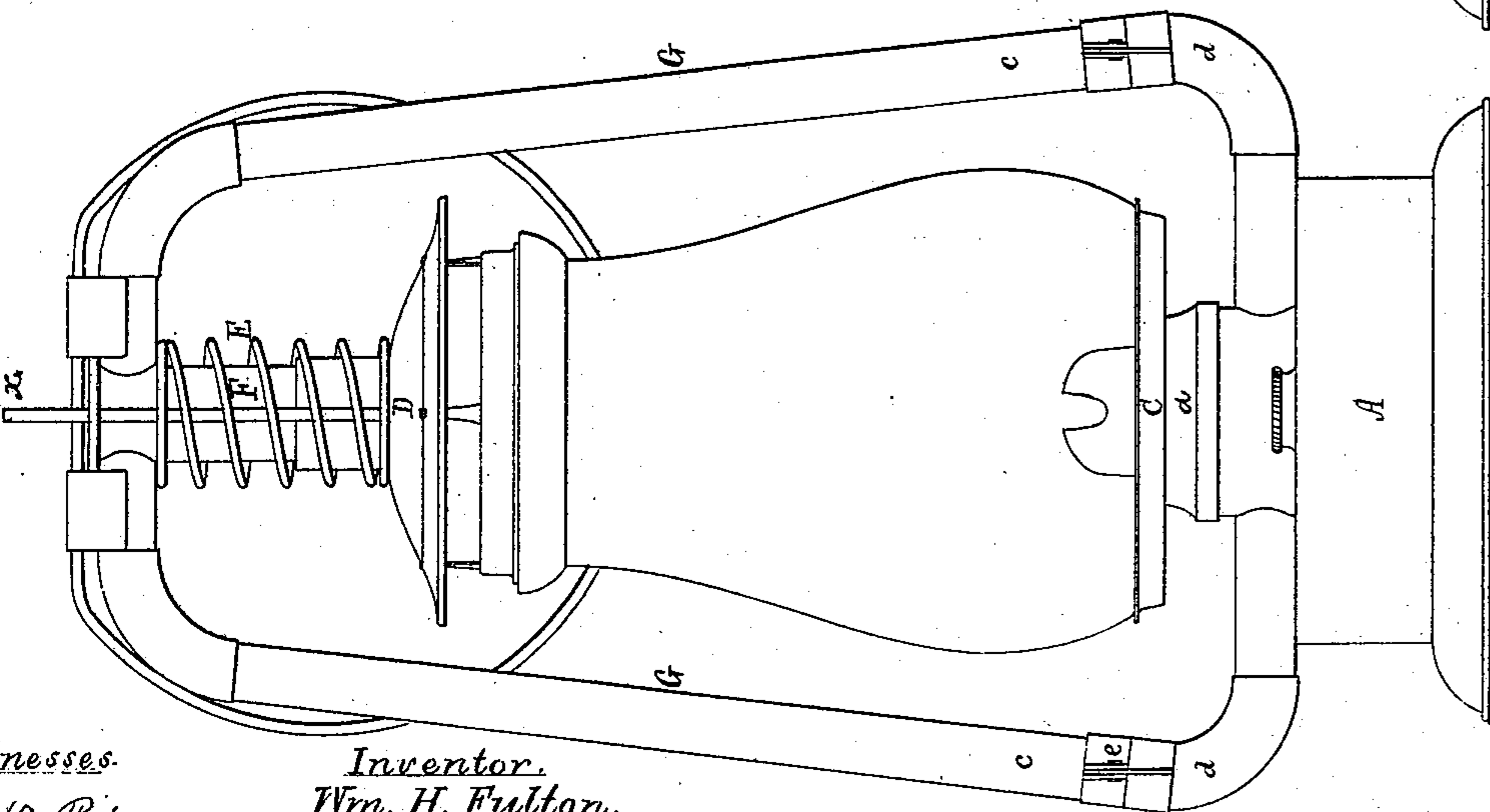


Fig. 1.



Witnesses.

S. N. Piper
Wm. W. Lunt

Inventor.

Wm. H. Fulton.

by John F. Arnold, Administrator.

by attorney

R. H. Lunt

UNITED STATES PATENT OFFICE.

JOHN F. ARNOLD, OF FOXCROFT, MAINE, ADMINISTRATOR OF WILLIAM H. FULTON, DECEASED, ASSIGNOR TO ELIAS J. HALE, OF SAME PLACE.

TUBULAR LANTERN.

SPECIFICATION forming part of Letters Patent No. 230,391, dated July 27, 1880.

Application filed June 7, 1880. (No model.)

To all whom it may concern:

Be it known that WILLIAM H. FULTON, late of Foxcroft, of the county of Piscataquis, of the State of Maine, deceased, did, while living, invent a new and useful Improvement in Tubular Lanterns, which improvement I, JOHN F. ARNOLD, a resident of the said Foxcroft, and administrator of the estate of the said FULTON, do hereby declare to be described in the following specification, and represented in the accompanying drawings, of which—

Figure 1 is a front elevation, and Fig. 2 a side view, and Fig. 3 a transverse section, of a tubular lantern having the said invention, the nature of which is duly set forth in the claim hereinafter presented.

In the drawings, A denotes the lamp or base portion of the lantern, it being provided with a burner, *a*, such as generally used for burning hydrocarbon.

The glass-globe flame-guard B rests at bottom on a foraminous dish, C, encompassing the cone of the said burner and supported on the annular shelf *s* thereof, the hole *b*, for reception of the cone of the burner, being of a diameter sufficient to allow of the dish being tipped backward on its support to uncover the burner for access to be readily had to the wick, whether for inflaming or trimming it.

The flame-guard is held down upon the dish by an open metallic cap or dome, D, and a helical spring, E.

The dome slides freely on and encompasses the vertical air-tube F, extending down from and opening out of the air-duct G. This air-duct G, arranged as shown, serves, with the tube F, to conduct heated air down into the burner, the duct G at its lower part being fastened to the lamp.

The helical spring E, arranged as shown, presses the dome D down upon the flame-guard, whose top enters a short distance within the base-ring of the dome.

A bail, *x*, straddling the tube F and fixed to the dome, serves to enable the dome to be raised to admit of the flame-guard being removed from its foraminous dish, as occasion may require. Such removal of the flame-guard, being usually for the purpose of getting access to the wick of the burner for lighting it, is liable to be attended with accidental breakage of such guard, to prevent which and to enable access to be readily had to the wick or burner without the necessity of so removing the flame-guard from its supports are the object of the present improvement, which was accomplished by the inventor by constructing the air-duct G in two sections, *c d*, and connecting them by hinges *e*, the junctions of the two sections being on or about on a level with the foraminous dish C, all being so that the upper section, *c*, with the said plate-globe or flame-guard and posts for supporting the latter may be tipped or turned back from over the lamp-burner to uncover it, in order for ready access to be had to the top of the cone thereof or to the wick, for either lighting or trimming the latter. Therefore,

What is herein claimed as the invention of the said FULTON is as follows, viz:

The tubular lantern constructed with its air-duct G in two sections, *c d*, hinged together in the manner described, to enable the upper of them, with the globe or flame-guard and its supporting devices, to be tipped back relatively to the burner, substantially in manner and for the purpose or objects as set forth.

JOHN F. ARNOLD,
Administrator of the estate of William H. Fulton, deceased.

Witnesses:

ASA GETCHELL,
EPHRAIM FLINT.