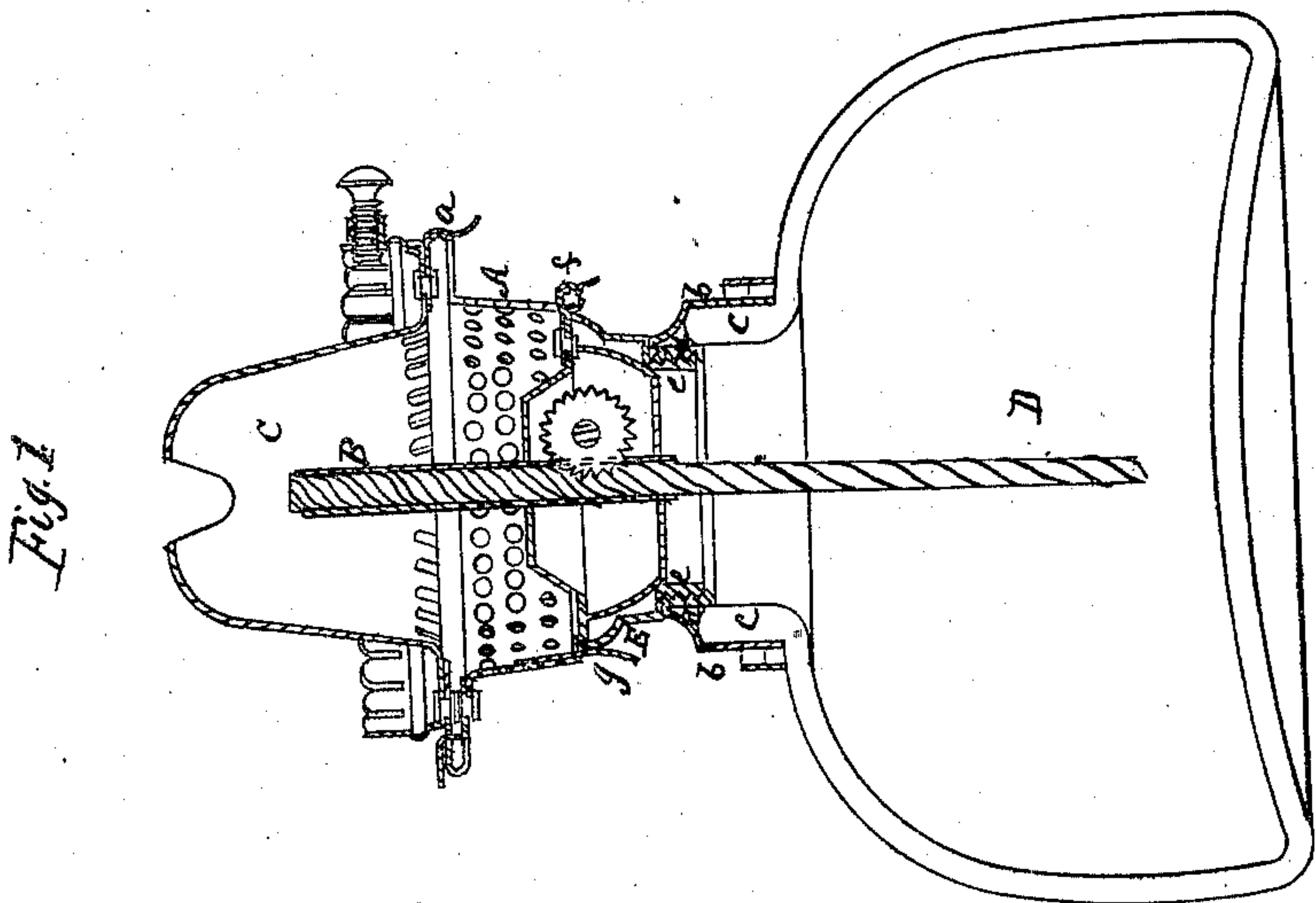
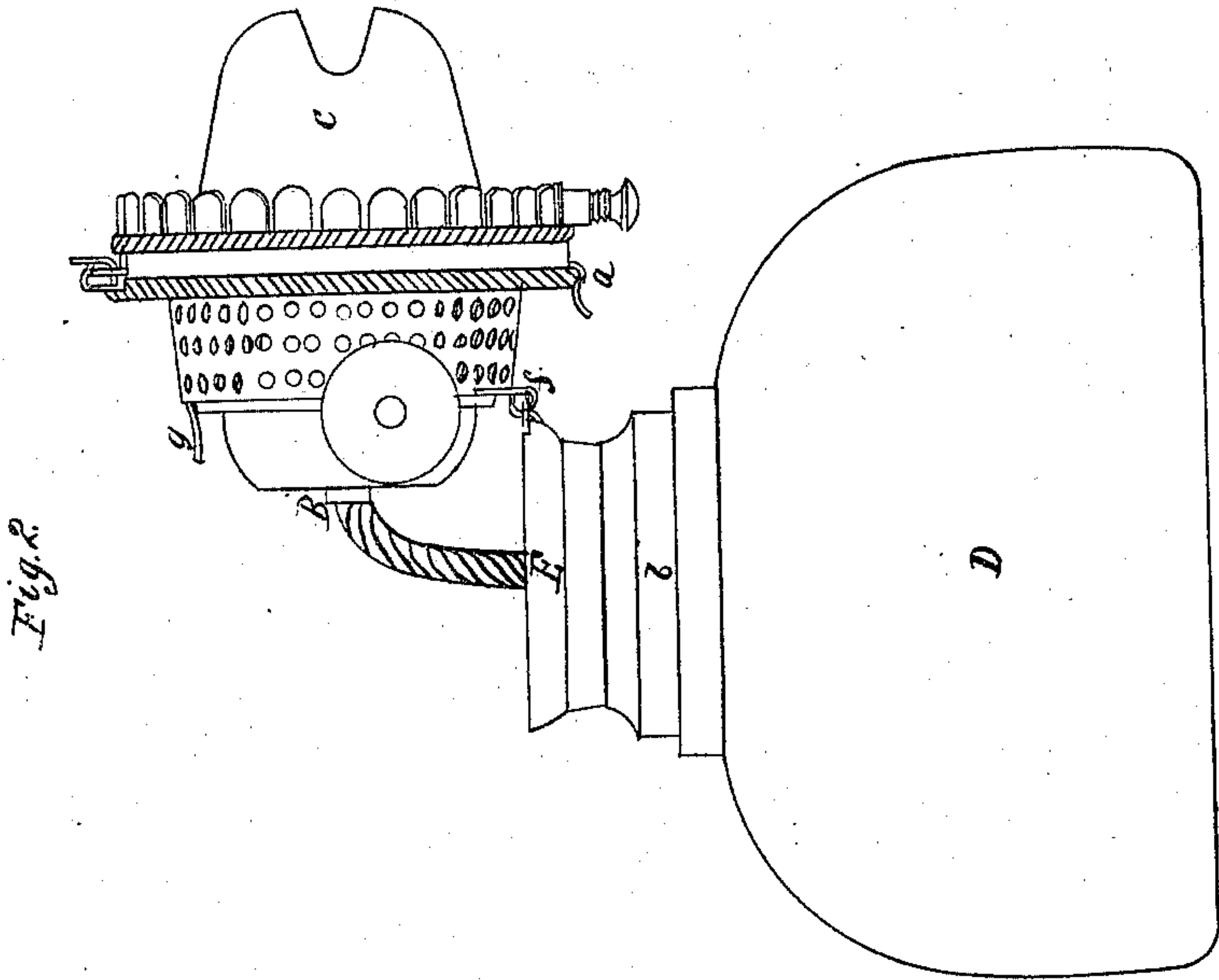


A. Taplin.

Lamp.

N<sup>o</sup> 74863

Patented Feb. 25, 1868.



Witnesses

S. N. Piper.

H. P. Cole Jr.

Inventor

Alvin Taplin

by his attorney

R. H. Eddy

# United States Patent Office.

ALVIN TAPLIN, OF SOMERVILLE, MASSACHUSETTS.

*Letters Patent No. 74,863, dated February 25, 1868.*

## IMPROVEMENT IN LAMPS.

*The Schedule referred to in these Letters Patent and making part of the same.*

### TO ALL PERSONS TO WHOM THESE PRESENTS MAY COME:

Be it known that I, ALVIN TAPLIN, of Somerville, in the county of Middlesex, and State of Massachusetts, have invented a new and useful Improvement in Burners for Lamps; and I do hereby declare the same to be fully described in the following specification, and represented in the accompanying drawings, of which—

Figure 1 is a vertical and transverse section of a lamp and burner provided with my invention.

Figure 2 is a side elevation of the lamp, with the burner turned down, for the purpose of enabling the lamp to be supplied with oil.

In the drawings, A denotes the body, B the wick-tube, and C the conical deflector of the burner, the said deflector being hinged to the body, and provided with a spring-catch, *a*, to hold it down upon the body. D is the body or oil-reservoir of the lamp, and *b* is the metallic cap thereof, it being fixed on the neck *c* of such body, and having a female screw, *d*, cut on its interior periphery in the ordinary way.

In the construction of burners as heretofore made, it has been customary to form the body thereof, at its lower part, with a male screw, to screw into the lamp-cap or mouth of the oil-reservoir of the lamp.

In carrying out my present invention or improvement, I make the body of the burner without any male screw, and I hinge to the body a concave annulus, E, provided with a male screw, *e*, to fit and screw into the female screw *d* of the lamp-body or cap *b*. The hinge of the annulus and body is shown at *f*. A spring-catch, *g*, may be applied to the body, and so formed as to catch upon the annulus, and hold the body down thereto, when necessary for it to be so held. This attachment to the burner enables the burner to be turned down so as to open the mouth of the lamp-cap, for the purpose of allowing oil to be poured into the same.

I am aware that it is not new to hinge or so apply a lamp-burner to the body of a lamp as to be capable of being turned down upon or moved laterally aside from the mouth of the body. Therefore I do not claim such in the abstract. I am also aware of the invention described in the United States Patent, No. 41,972, granted March 27, 1864, to Marshall Burnett, which consists of a device made in two pieces, so connected as to enable one to be moved laterally on and off the other, the lower of such pieces being provided with a male screw, and the upper having a female screw, the male screw being to screw into a lamp-cap, and the female screw being to receive the screw of the bottom of the body of a burner. My invention differs materially from the invention of the said Burnett, as where he employs two pieces to accomplish his invention, I employ but one, which is hinged to the burner.

My invention differs from that for which I have recently applied for a patent, such application for such patent having been filed in the Patent Office on or about the first day of December, A. D. 1866, such invention consisting mainly in the combination of an annular cover, provided with a female screw with the lamp-cap, the two being directly hinged together, so as to enable the cover to be turned or moved on and off the mouth of the cap, such cap having no female screw cut in it.

It will be observed that the last-mentioned improvement of necessity requires the cap to be constructed somewhat larger in diameter than it would have to be were it to be made in the ordinary way, with a female screw of the same size as that of the annular cover hinged to such cap. Thus it will be seen that the invention is inapplicable to common lamp-caps, formed with female screws in their mouths.

My present invention enables the burner to be applied to any such lamp-cap whose screw is of a proper size to receive and screw upon the male screw of the annulus, hinged to the bottom of the burner, and consequently my present improvement not only accomplishes the desired result, incident to others hereinbefore referred to, but it does this by one annulus only hinged to the burner, and separate from the cap of the oil-reservoir of the lamp.

My invention also differs from either of those described in the United States Patents, No. 39,253, dated July 14, 1863, No. 46,691, dated March 7, 1863, and No. 56,497, dated July 17, 1866, for in neither of them do we find my improvement, that is, the annulus made to screw into the neck or cap of the reservoir, and connected with the burner by a hinge only.

In Patent No. 39,253, the connection with the annulus is by screws and a hinge, the screws being formed on the burner and in a separate annulus or lever, thus requiring the burner to have a male screw.



In Patent No. 46,691, the burner is formed with a screw, and screws directly into the neck or cap of the reservoir, and is held in connection by a wire spring or springs, there being no separate annulus to screw into the neck or cap, and be hinged to the burner.

In Patent No. 56,497 there is no annulus separate from and to screw into the neck or cap of the reservoir, the burner being fixed directly to the cap, so as to turn in a horizontal plane on and off the same.

Therefore what I claim as my invention, is—

My improved lamp-burner, constructed with the annulus E, to screw into the neck or cap of the oil-reservoir D, and with the body A connected with the annulus by a hinge only; the whole being in order that the body, by means of the hinge and the annulus, may be connected with the reservoir or its cap, in manner as specified, and the body be movable, relatively to such annulus, substantially as and for the purpose set forth.

ALVIN TAPLIN.

Witnesses:

R. H. EDDY,

F. P. HALE, Jr.