

(No Model.)

J. G. SELTZER.

ATTACHMENT AND OIL FILLER FOR LAMPS.

No. 401,075.

Patented Apr. 9, 1889.

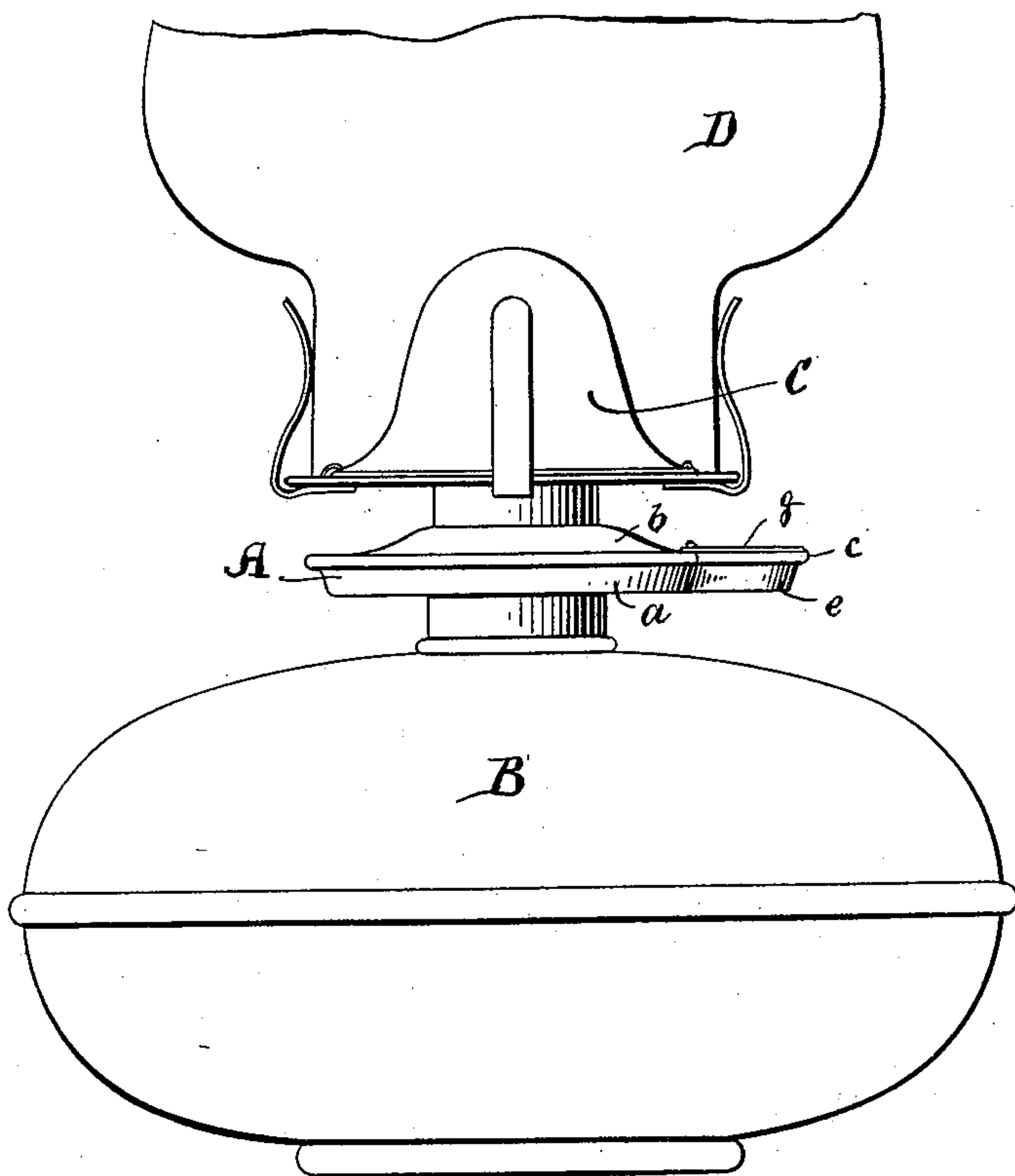


Fig: 1.

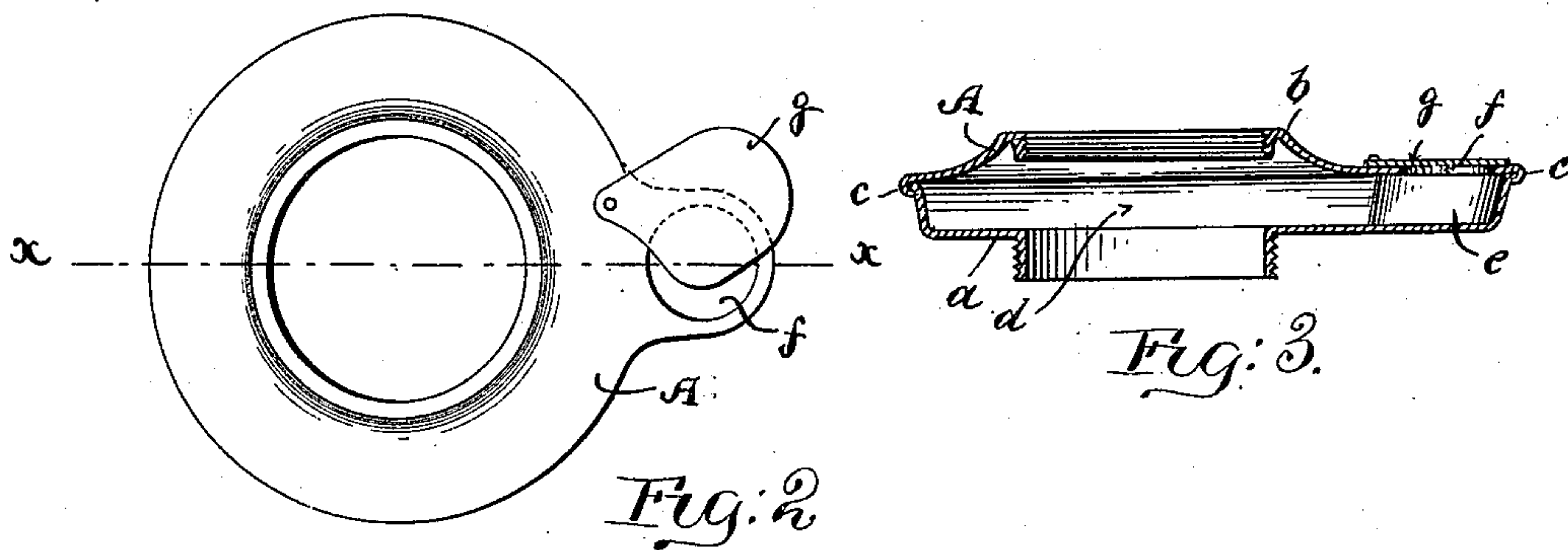


Fig: 2

Fig: 3.

Witnesses

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UNITED STATES PATENT OFFICE.

JOHN GEORGE SELTZER, OF BOSTON, MASSACHUSETTS.

ATTACHMENT AND OIL-FILLER FOR LAMPS.

SPECIFICATION forming part of Letters Patent No. 401,075, dated April 9, 1889.

Application filed March 23, 1888. Serial No. 268,279. (No model.)

To all whom it may concern:

Be it known that I, JOHN GEORGE SELTZER, a citizen of the United States, residing at Boston, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Combined Safety Attachment and Oil-Filler for Lamps, of which the following, taken in connection with the accompanying drawings, is a specification.

The object of my invention is to produce a combined safety attachment and oil-filler for lamps whereby all danger of explosion from overheating of the oil is prevented, and at the same time an easy means for filling the lamp is provided.

The invention consists of a shallow hollow casing, its lower end being adapted to be secured into the lamp and its upper end adapted to receive the burner, a small projecting lip or trough being provided on one side, into which oil is poured to fill the lamp, all as hereinafter fully described, and pointed out in the claim.

Referring to the accompanying drawings, Figure 1 represents a lamp fitted with a combined safety attachment and oil-filler embodying my invention. Fig. 2 is a plan or top view of the combined safety attachment and oil-filler. Fig. 3 is a vertical section through the same, taken on line *x x* of Fig. 2.

A represents the combined safety attachment and oil-filler, B the body of the lamp, C the burner, and D the glass.

The combined safety attachment and oil-filler is preferably made in two parts, *a b*, of spun metal, secured together at their edges *c* by a seaming-machine, thus leaving an open space, *d*, between them; or, if desired, it might be cast in one piece. The lower portion, *a*, is provided with a projecting piece or tube that is screw-threaded on the outside to fit into the body of the lamp, and the upper portion, *b*, is bent inward and provided with an internal screw-thread to receive the burner, as shown. A lip or trough, *e*, having an opening,

f, is formed on one side, and a cover, *g*, is pivoted to the upper portion, *b*, so that it can be pushed over or away from the opening *f*, as required. When applied to a lamp, and it is desired to fill the lamp with oil, the cover *g* is pushed on one side, thus exposing the opening *f*, through which oil can be poured into the trough or lip *e* and runs down into the lamp-body B. The cover can then be closed to keep dust or dirt out of the lamp. When the lamp is in use, the heat from the wick is prevented from passing down into the oil-reservoir by reason of the air-space *d*. Thus the oil is kept cool and will not vaporize or explode; and, if desired, the cover *g* may be left partly open while the lamp is burning, thus supplying an extra quantity of atmospheric air to the flame, thereby producing more perfect combustion, and consequently a better light, and, as the air-space *d* is very shallow, the capillary action of the wick is not interfered with, but the lamp will burn brightly until the last drop of oil has been consumed.

It will be seen from the above that when my attachment is employed with a lamp all fear of danger from explosion is removed, while the brilliancy of the light is enhanced and the lamp can be refilled even while it is burning.

What I claim as my invention is—

A combined safety attachment and oil-filler for lamps, consisting of a shallow hollow casing having its lower end formed to fit into the body of the lamp and its upper end formed to receive the burner, and provided with a lip or trough and cover, substantially as shown, and for the purposes described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses on this 17th day of September, A. D. 1888.

JOHN GEORGE SELTZER.

Witnesses:

WILLIAM H. COOK,
EDWIN PLANTA.