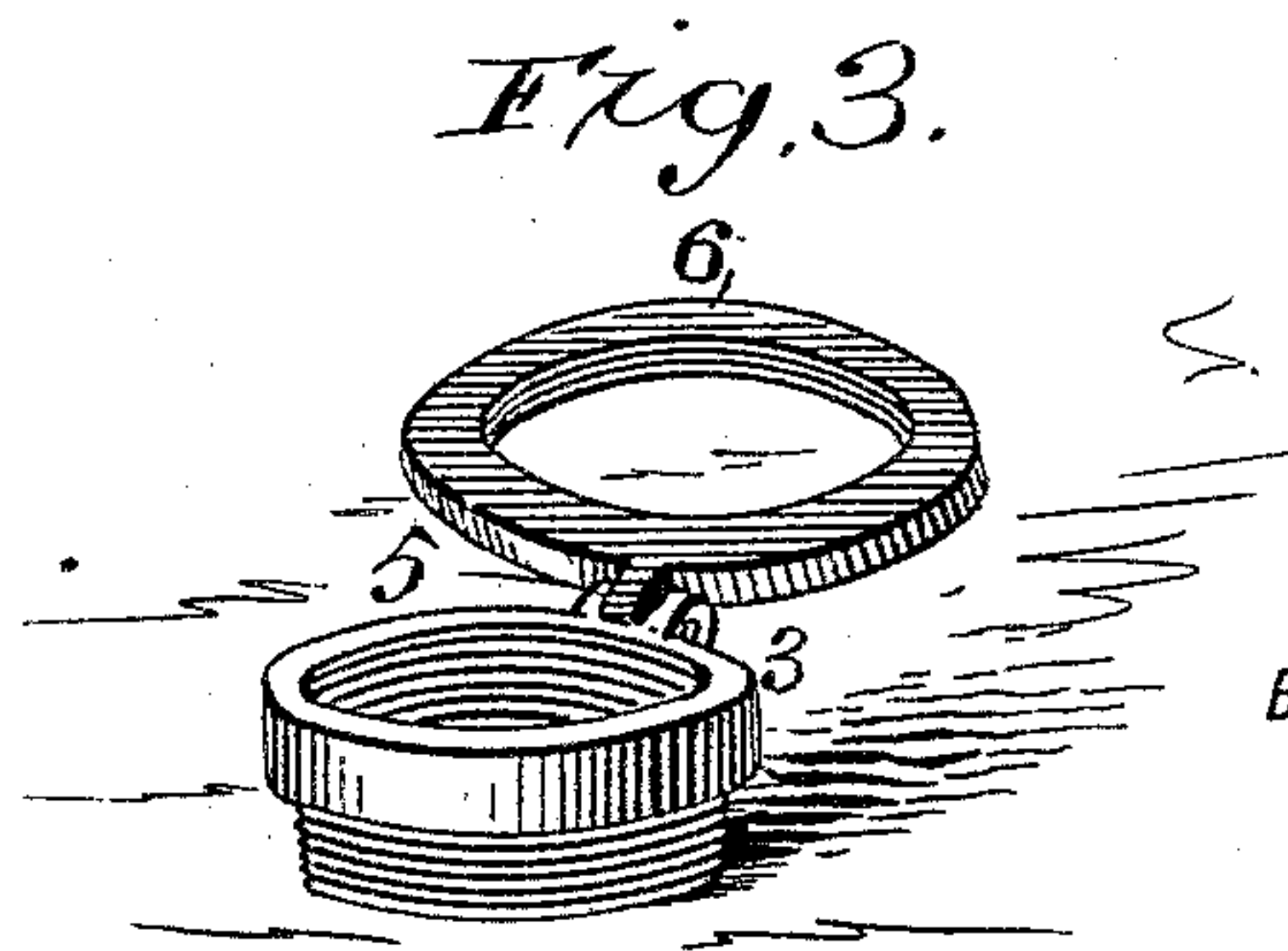
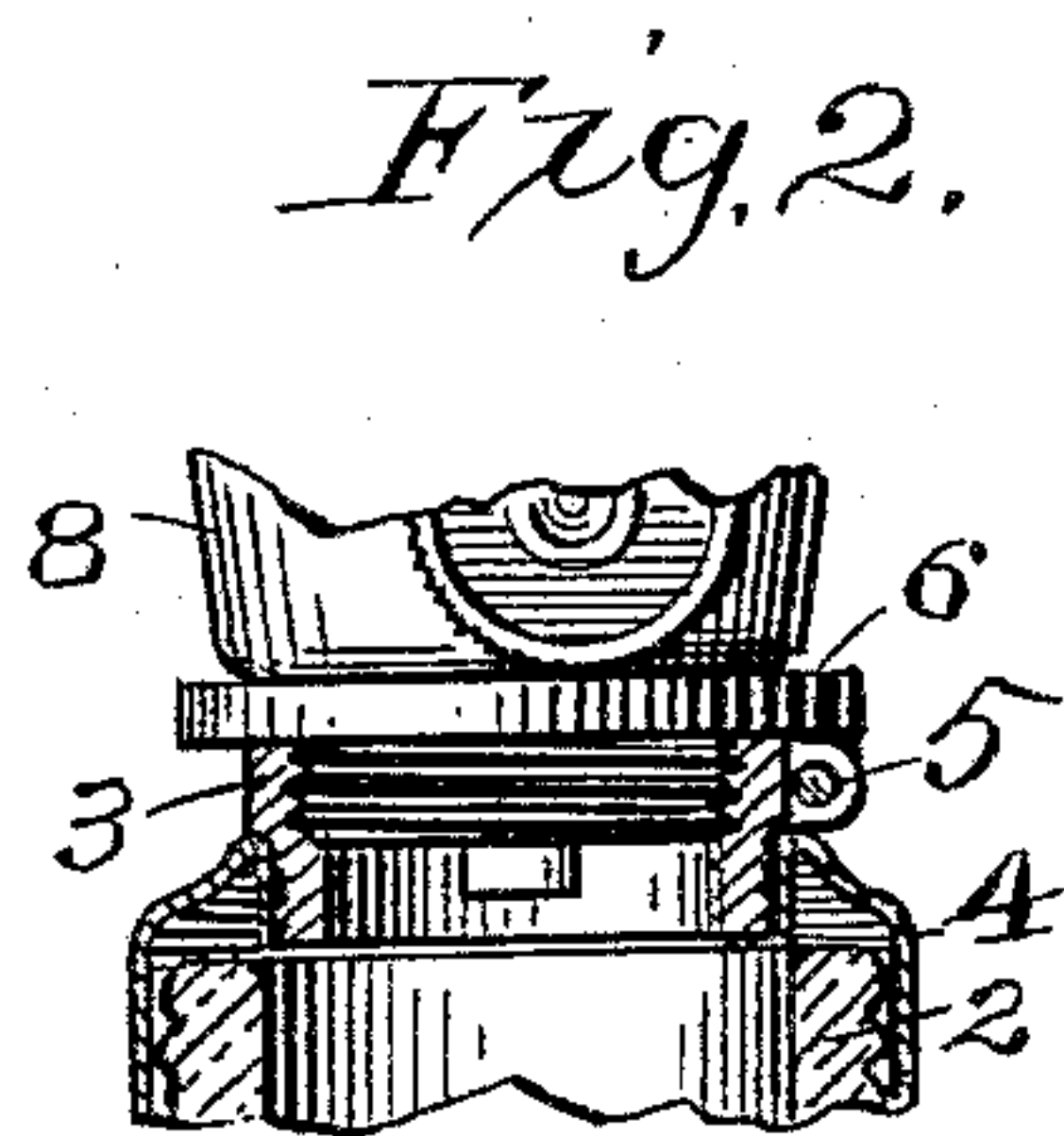
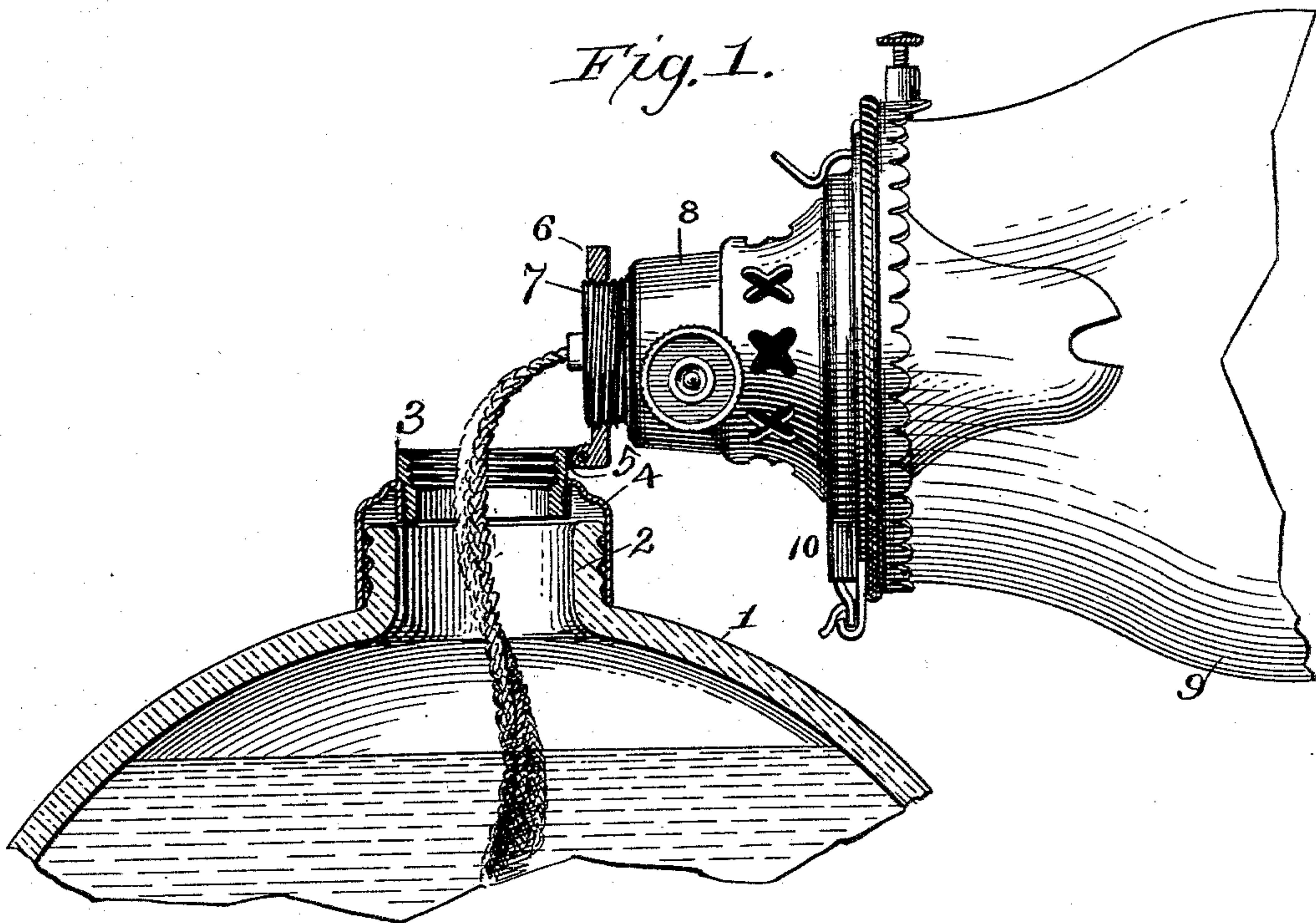


(No Model.)

C. P. THAYER.
LAMP.

No. 411,771.

Patented Sept. 24, 1889.



WITNESSES:

J. D. Garfield
C. Sedgwick

INVENTOR:

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BY

ATTORNEYS.

UNITED STATES PATENT OFFICE.

CLIFFORD P. THAYER, OF HOLBROOK, ASSIGNOR OF ONE-HALF TO CHARLES SUMNER BATES, OF BRAINTREE, MASSACHUSETTS.

LAMP.

SPECIFICATION forming part of Letters Patent No. 411,771, dated September 24, 1889.

Application filed November 14, 1888. Serial No. 290,811. (No model.)

To all whom it may concern:

Be it known that I, CLIFFORD P. THAYER, of Holbrook, in the county of Norfolk and State of Massachusetts, have invented a new and Improved Lamp, of which the following is a full, clear, and exact description.

This invention relates to an improved device for establishing connection between the burner and the collar of the oil-reservoir of the lamp, by means of which device the burner is held securely to the collar and access may be readily had to the reservoir of the lamp for filling it with oil without entirely removing the burner or chimney.

The invention consists in the novel construction and combination of parts, as will be hereinafter particularly described, and defined in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar figures of reference indicate corresponding parts in all the views.

Figure 1 is a view of a portion of the oil-reservoir of a lamp and the burner provided with a burner-connecting device constructed in accordance with this invention, the neck of the lamp, the collar, and connection being in section and the burner tipped back. Fig. 2 is a partial vertical section of the burner, oil-reservoir, and my improvement, the burner being in proper position for use. Fig. 3 is a perspective view of my improvement.

My invention includes, essentially, two rings 3 6, which are hinged together, forming when brought together a practically-continuous internal surface, which is threaded, as shown. The hinging of the rings 3 6 may be effected by any suitable form of hinge, as by lugs 5 on the rings, through which a hinge-pin is passed.

The internally-threaded rings 3 6 form, when applied to a lamp, a socket for receiving the screw-threaded lower end or neck 7 of the lamp-burner. The lower ring 3 may be secured to the collar 4 of the oil-reservoir 1 in any suitable manner; but as the device is intended for application to all ordinary lamps now in use the said ring 3 is preferably externally threaded, as shown, to adapt it to be

screwed into the usual internally-threaded collar 4, the said collar being the ordinary one that is secured to the neck 2 of the reservoir 1 in the usual manner.

In use the rings 3 6 are secured in place on the oil-reservoir, as by screwing ring 3 into the collar of the same, and the lower end or neck 7 of the burner 8 is screwed into the upper ring 6.

To secure the burner firmly in position for use, its neck 7 is screwed down until its threads take into the threads of the ring 3, which effectually prevents the movement of the ring 6.

To supply oil to the oil-reservoir, the burner is unscrewed sufficiently to disengage its neck 7 from the threads of the ring 3, leaving it still engaged with the threads of the ring 6, whereby the burner may be tipped to the position shown in Fig. 1, the ring 6 turning on its hinge. In again securing the burner in place it is brought to the vertical position and screwed into the ring 3, as before.

It will be seen that the device affords a ready means of gaining access to the oil-reservoir for charging it, without entirely removing the burner or chimney. It allows the operator to use both hands for holding the "oil-can," or one hand to hold the lamp and one to manipulate a faucet in drawing from a tank, and prevents all danger from handling or dropping a detached burner.

With all other styles of "collars" and "fillers," so called, an explosion or ignition was almost certain to follow an upsetting of the lamp when lighted, as the oil escaped freely; but there is no more danger with this device than with an ordinary lamp.

The device is of cheap and durable construction, and may be applied to lamps of ordinary form at the cost of a few cents.

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

1. The herein-described device, consisting, essentially, of two internally-threaded rings hinged together to swing toward and from each other, substantially as described.

2. As a new article of manufacture, the

herein - described device, comprising two hinged internally-threaded rings, one of which is also externally threaded, substantially as described.

5 3. In a lamp, the combination, with the oil-reservoir and the burner, of two hinged internally-threaded rings, one of which is se-

cured to the oil-reservoir, substantially as described.

CLIFFORD P. THAYER.

Witnesses:

CHAS. S. BATES,

MAYNARD C. THAYER.