

No. 741,736.

PATENTED OCT. 20, 1903.

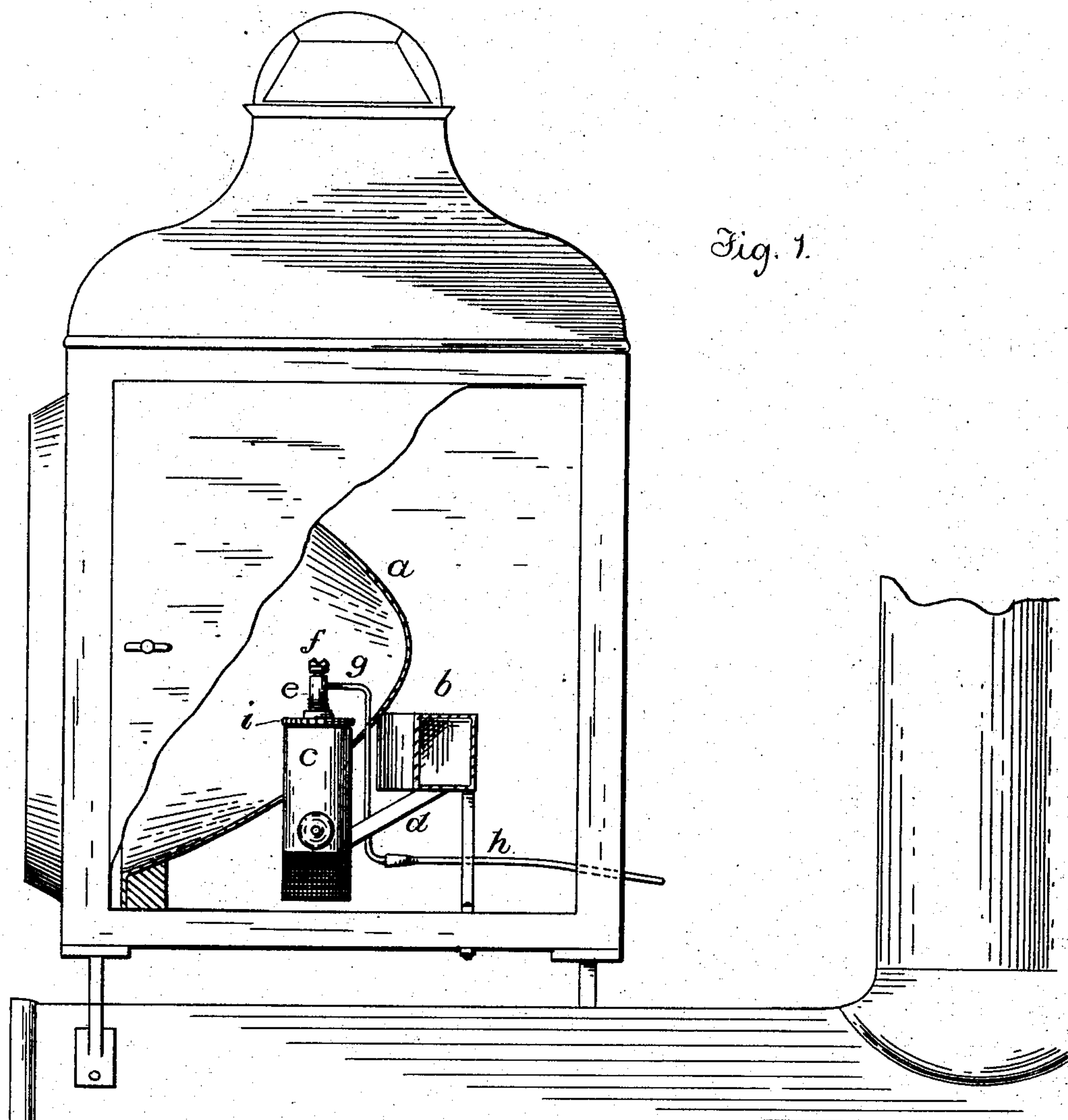
E. B. STONER.

GAS JET HOLDER ATTACHMENT FOR LAMPS OF LOCOMOTIVE HEADLIGHTS.

APPLICATION FILED SEPT. 9, 1902.

NO MODEL.

2 SHEETS—SHEET 1.



Witnesses:

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2 SHEETS—SHEET 2.

Fig. 2.

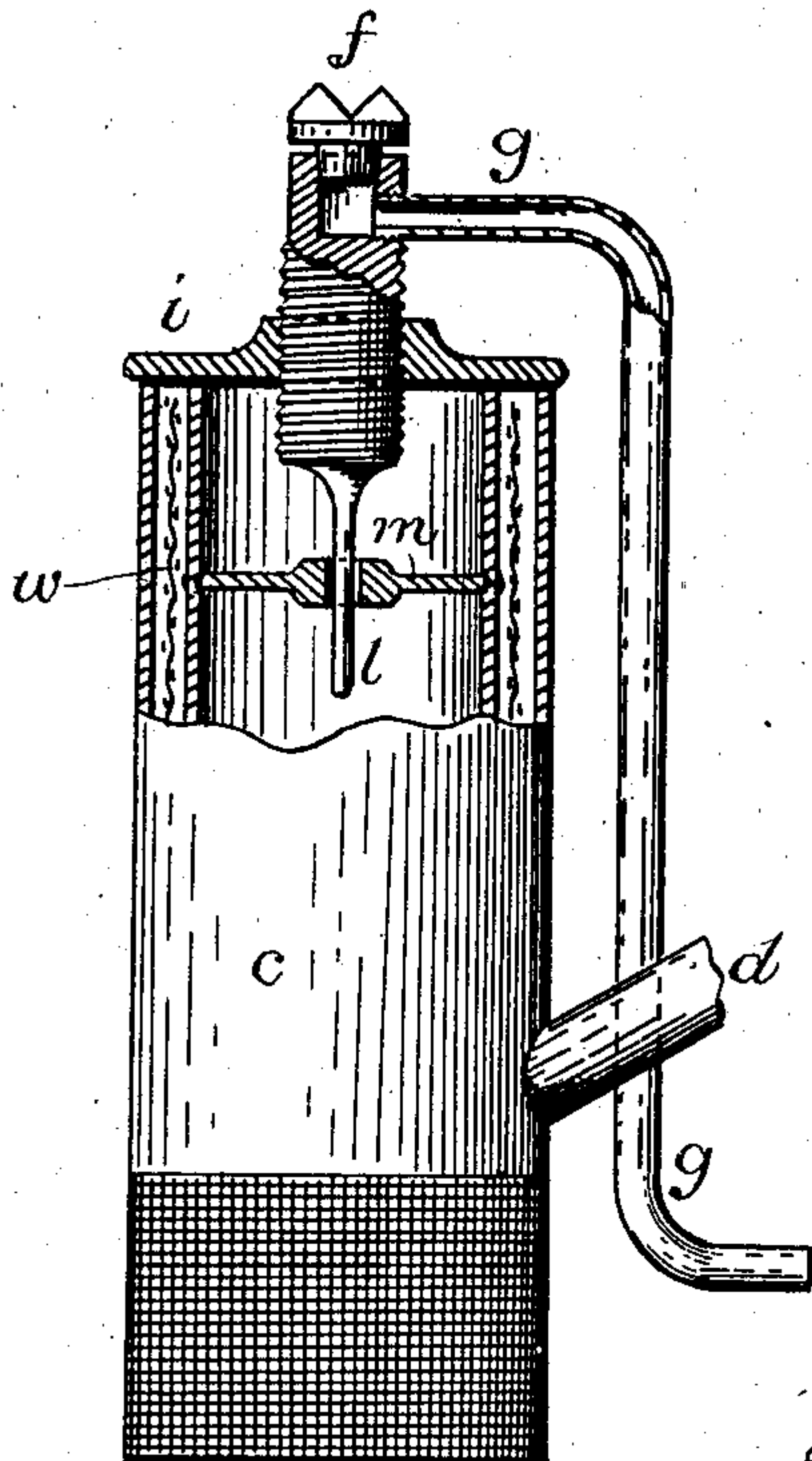


Fig. 3.

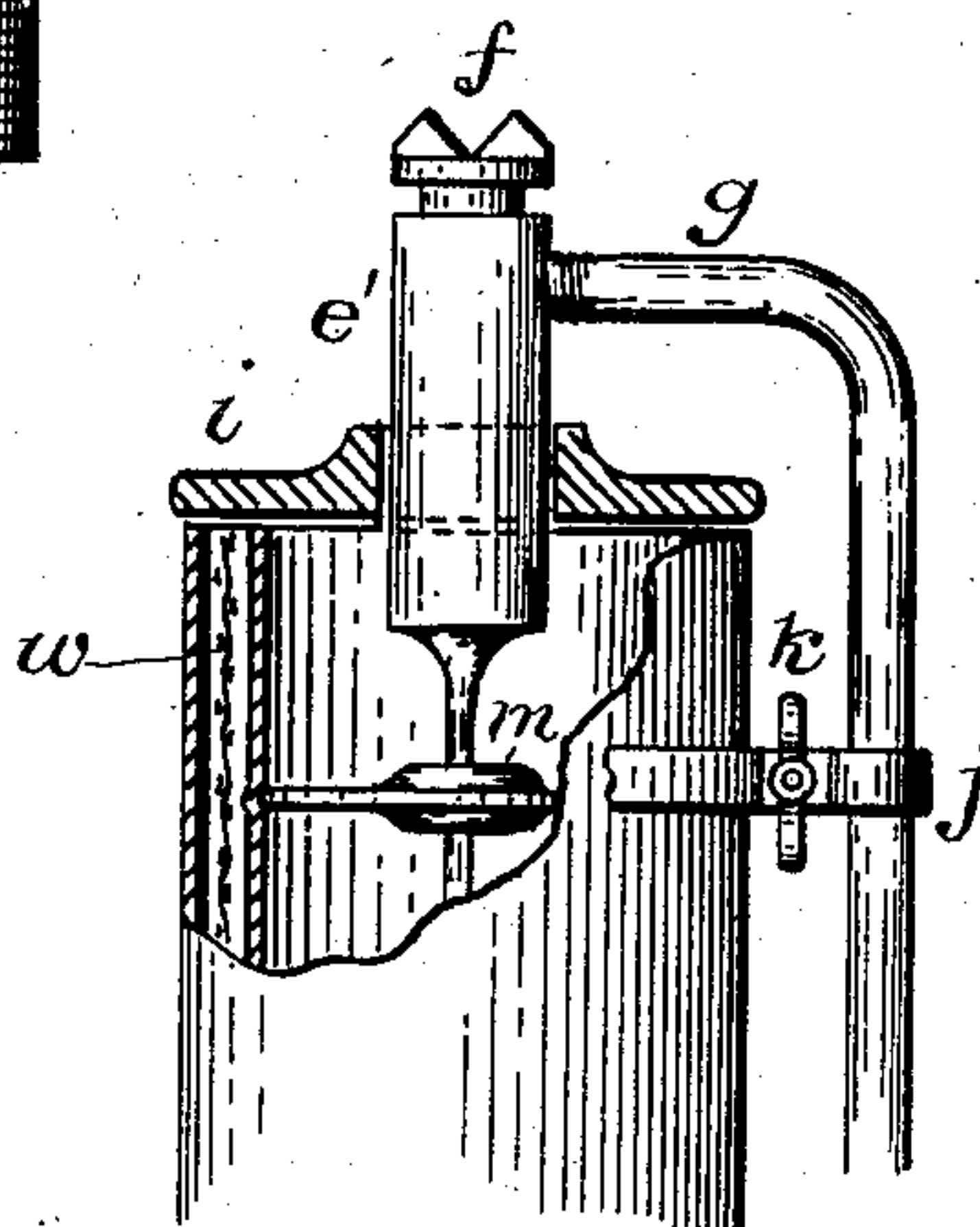
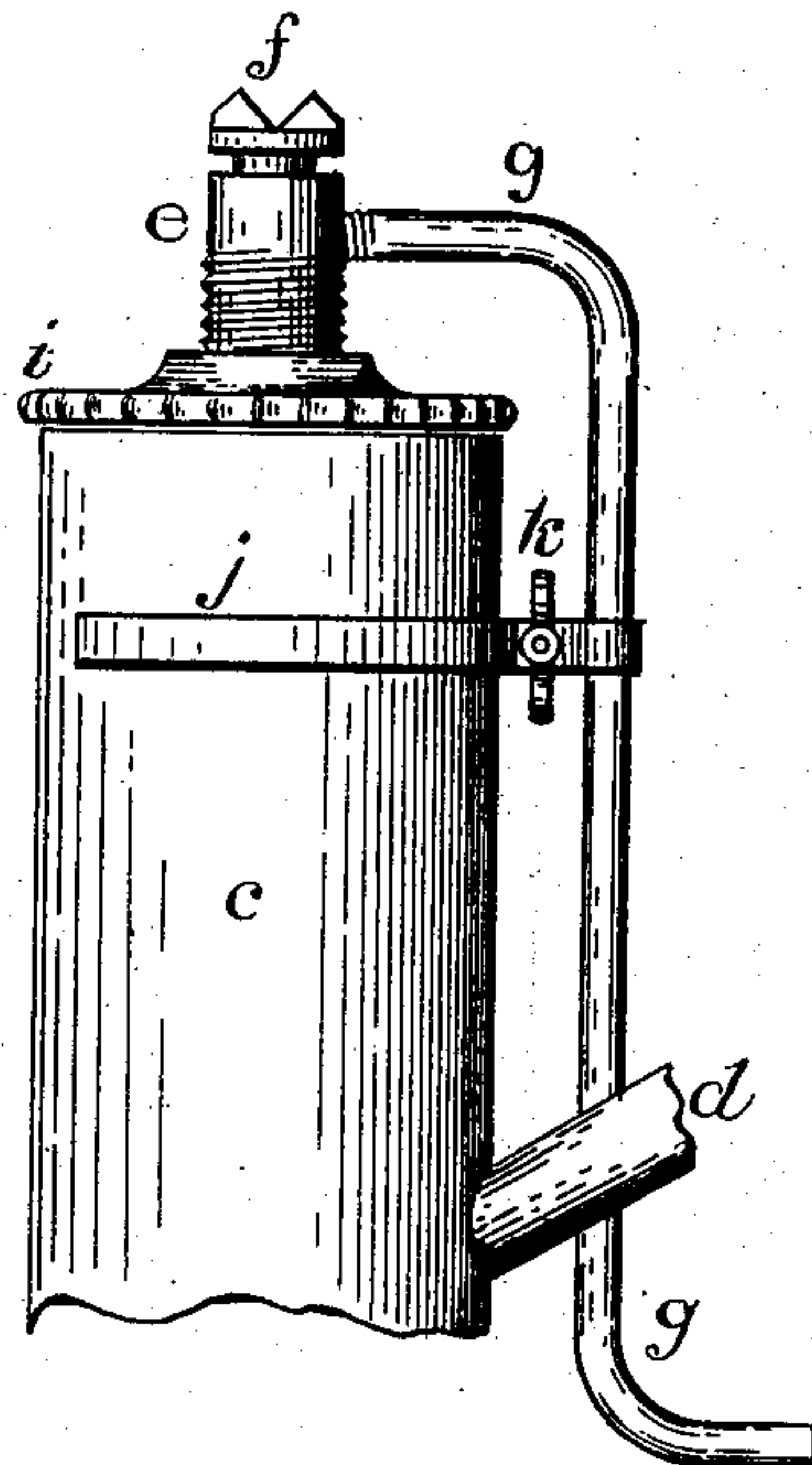


Fig. 4.

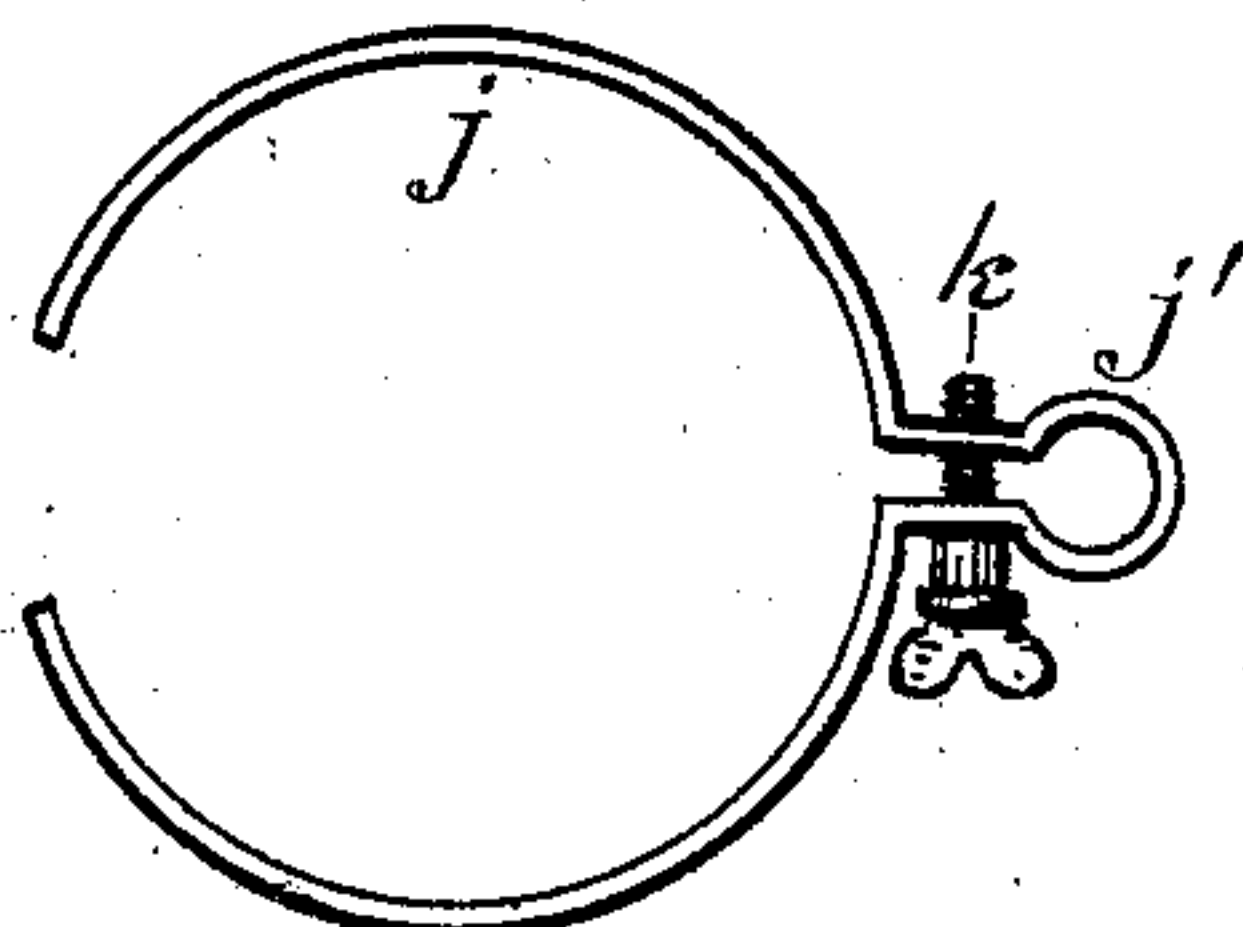


Fig. 5.

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UNITED STATES PATENT OFFICE.

EARL B. STONER, OF ASTORIA, OREGON.

GAS-JET-HOLDER ATTACHMENT FOR LAMPS OF LOCOMOTIVE-HEADLIGHTS.

SPECIFICATION forming part of Letters Patent No. 741,736, dated October 20, 1903.

Application filed September 9, 1902. Serial No. 122,738. (No model.)

To all whom it may concern:

Be it known that I, EARL B. STONER, a citizen of the United States, and a resident of Astoria, Clatsop county, State of Oregon, have
5 invented a new and useful Improvement in Gas-Jet-Holder Attachments for Lamps of Locomotive-Headlights, of which the following is a specification, reference being had to the accompanying drawings as a part thereof.

10 The object of my invention is to provide an attachment for the ordinary oil-burning lamp of so-called "locomotive-headlights" for the purpose of converting the same into an acetylene-burner, at the same time leaving the
15 oil-lamp in such condition that in case of an emergency my attachment may be readily removed, the oil-burner put back in place, and the lamp used as before.

I attain my object by the device illustrated
20 in the accompanying drawings, in which—

Figure 1 is an elevation of the headlight on a locomotive, parts being broken away to show my attachment in place. Fig. 2 is an elevation of the usual oil-lamp body of a
25 headlight, partly in section and my attachment being operatively applied. Fig. 3 is an elevation of a like lamp provided with my attachment and illustrates the use of a clamp as an additional means for securing my attachment in place. Fig. 4 is a partial elevation like Fig. 2, showing a modification in the means for adjusting the burner; and Fig.
30 5 is a plan of the clamp *j*.

Referring to the reference-letters, *c* is the
35 body of an oil-lamp commonly used in head-lights.

a is the reflector, *b* the usual oil-receptacle, and *d* the supply-tube therefrom to the lamp-body.

40 To apply my attachment, the oil-burner has been removed.

My attachment consists of a jet or burner *e*, which is vertically adjustable in the apertured cover or plate *i*, so as to bring the
45 flame within the focal center of the reflector. From the base of the burner *e* projects downward a stem *l*, inserted in the socket *m* in which ordinarily is inserted the stem or pin of the deflector-plate. The upper part of the
50 burner *e* has a cavity, and it is adapted to receive the gas-tip *f* and the discharge end of

the gas-delivery pipe *g*. The primary function of the plate *i* is to cover the wick *w* and protect the same against accidental ignition from the gas-flame. The plate *i* further
55 functionates to vertically adjust the burner *e*, as mentioned. To this end such burner is provided with an exterior thread, and the aperture of the plate *i* is correspondingly threaded. Thus by turning the plate *i* in
60 either direction the burner is raised or lowered. A clamp *j* may be used for steadying the burner and holding the same against being turned laterally by vibratory motion. A plan of such clamp is shown in Fig. 5. The
65 part *j'* is inserted on the gas-pipe *g*, and by the thumb-screw *k* the clamp is secured in place. The described means for adjusting the burner *e* are deemed preferable over
70 others. The thread of the adjusting parts *e'* and *i'* in Fig. 4. The burner *e'* merely slides up and down in the aperture of the plate *i'*, and it is secured in place as adjusted by means of a clamp *j*. The receiving end
75 of the gas-pipe is connected with the gas-generating apparatus by a rubber tube *h*.

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

1. The combination with the lamp-body and the wick-case therein of a plate constituting a closure for the wick-case, and having a central aperture, a burner vertically adjustable in the aperture of said plate, a gas-pipe entering the burner, and means for securing the burner in adjusted position, substantially as described.

2. The combination with the lamp-body and the wick-case therein of a plate constituting a closure for the wick-case, and having a central aperture, a burner vertically adjustable in the aperture of said plate, a gas-pipe entering the burner, and a clamp *j* for holding the burner in adjusted position, substantially as described.

3. The combination with the lamp-body, the wick-case and the socket, *m*, therein of a plate *i*, constituting a closure for the wick-case and having a central, threaded aperture, a burner *e*, provided with an exterior thread and vertically adjustable in said aperture of

the plate *i*, a dependent stem or pin, *l*, on the base of the burner, which stem is inserted in the socket *m*, and a gas-pipe entering the burner, substantially as described.

- 5 4. A gas-jet-holder attachment for lamp of locomotive-headlight, comprising in combination a plate *i*, having a central aperture; a burner vertically adjustable in the aperture of said plate; a gas-pipe entering the burner,

and means for securing the burner in adjusted position, substantially as described.

In testimony whereof I have hereunto affixed my signature, in the presence of two witnesses, this 26th day of November, 1901.

EARL B. STONER.

Witnesses:

T. J. GEISLER,

EMMA HOWATSON.