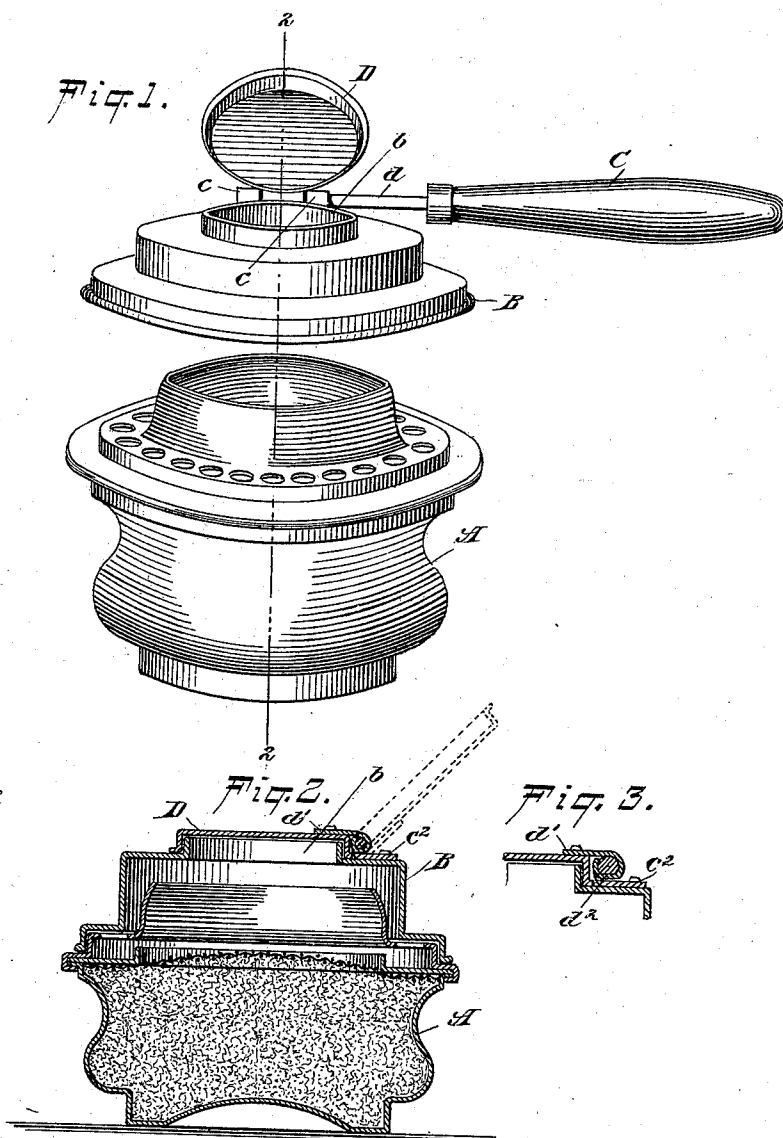


(No Model.)

L. WOJIDKOW.
LID FOR ALCOHOL LAMPS.

No. 546,108.

Patented Sept. 10, 1895.



WITNESSES:
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LOUIS WOJIDKOW, OF BROOKLYN, NEW YORK.

LID FOR ALCOHOL-LAMPS.

SPECIFICATION forming part of Letters Patent No. 546,108, dated September 10, 1895.

Application filed April 17, 1895. Serial No. 546,033. (No model.)

To all whom it may concern:

Be it known that I, LOUIS WOJIDKOW, a citizen of the United States, and a resident of Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Lids for Alcohol-Lamps, of which the following is a specification.

My invention relates to an improvement in lids or tops for alcohol-lamps, the object being to provide a device of this character which shall be simple and economical to manufacture, and which shall be so constructed that the flame may be entirely extinguished thereby, or, when desired, reduced in size.

With these and other ends in view my invention consists in a lid of the proper size and shape to fit upon or over an alcohol-lamp and having a central opening therein, said lid being provided with an auxiliary lid to cover the said opening, the auxiliary lid being secured to and operated by the handle attached to the lid proper.

My invention further consists in certain novel features of construction and combinations of parts, as will be hereinafter fully described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a perspective view of an alcohol-lamp and a lid constructed in accordance with my invention, the auxiliary lid being raised or opened. Fig. 2 is a sectional view taken on the line 2 2 of Fig. 1. Fig. 3 is an enlarged view taken through the auxiliary lid and its attaching parts. Figs. 4 and 5 are detail views.

Referring to the drawings, A represents an alcohol-lamp, made of any desired shape or size, and B a lid therefor of corresponding size and adapted to rest or fit upon said lamp. In the center of the lid proper B is formed an opening *b*, of smaller diameter than the opening in the top of the lamp. To the top of the lid B are secured the bearings *c*, made of a single piece of metal, preferably shaped as shown in Fig. 4—that is, a single piece of metal provided with the arms or extensions *c*, which when the same are turned up form the bearings *c*. The metal plate from which these bearings are formed is riveted to the lid proper at *c*², and through the bearings passes the bar or rod *d*, the outer or free end

of the latter forming or being formed into a handle C. Upon the bar *d* and between the bearings *c* is tightly secured the auxiliary lid D, of such size and shape as to cover the opening *b* in the lid proper B.

In attaching the auxiliary lid to the bar *d* I prefer to use the metal strip or strap *d'*, one end of which I rivet or otherwise secure to the top of the auxiliary lid and the opposite end of which I curl around the bar *d* between the bearings *c*, this portion of the bar *d*—that is, that portion of said bar which lies between the bearings *c*—being formed with a flat side, against which the end of the strap or plate *d'* is tightly pressed, as shown at *d*², Fig. 3, thereby allowing the said bar or rod to turn in the bearings *c* and at the same time so locking it to the auxiliary lid D that when said bar is turned the auxiliary lid will be raised or lowered, this construction and arrangement of parts also preventing said bar from being pulled out of or disengaged from the bearings *c*.

In practice when it is desired to extinguish the flame of the lamp A the lid proper B is placed on top of said lamp, the auxiliary lid being closed down on said lid proper and covering the opening therein. If it is desired to simply reduce the size of the flame and not wholly extinguish it, the auxiliary lid is allowed to remain open, the flame of the lamp issuing through the opening *b*. When the parts are in this adjustment, the flame may be entirely extinguished by simply turning or revolving the handle C, thereby closing the auxiliary lid, said handle C thus performing several functions—viz., acting as a handle for the lid proper, a handle for the auxiliary lid, and affording means for opening and closing the latter.

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

1. A lid for an alcohol lamp consisting of a lid proper, having a central opening therein, and provided with a handle, and an auxiliary lid immovably secured to said handle, and adapted to be raised or lowered when said handle is revolved, substantially as described.
2. A lid for an alcohol lamp consisting of a lid proper, having an opening therein and

provided with a handle fitting in bearings
secured to said lid, and an auxiliary lid se-
cured to said handle between said bearings
and adapted to be raised or lowered when said
5 handle is turned.

3. A lid for an alcohol lamp consisting of a
lid B having an opening therein, and pro-
vided with the bearings *c*, a bar *d* forming
a handle and turning in said bearings and an
10 auxiliary lid D secured to said handle and

adapted when the latter is turned to cover
said opening, substantially as described.

Signed at New York, in the county of New
York and State of New York, this 15th day
of April, A. D. 1895.

LOUIS WOJIDKOW.

Witnesses:

GEORGE COOK,
F. S. KENNEDY.