No. 612,562. Patented Oct. 18, 1898.

C. H. DRESSEL.

LAMP BURNER.

(Application filed Mar. 17, 1896.)

(No Model.)

Fig. 1.

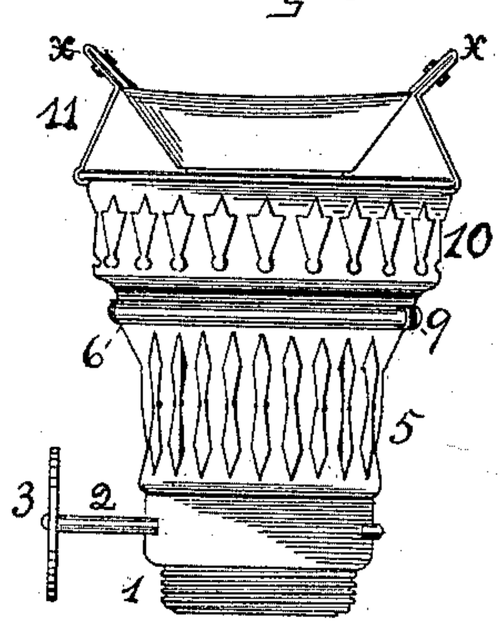


Fig. 2.

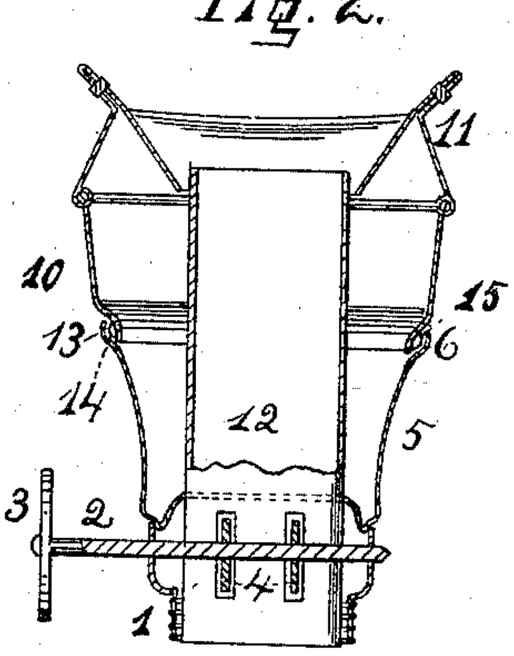


Fig. 4.

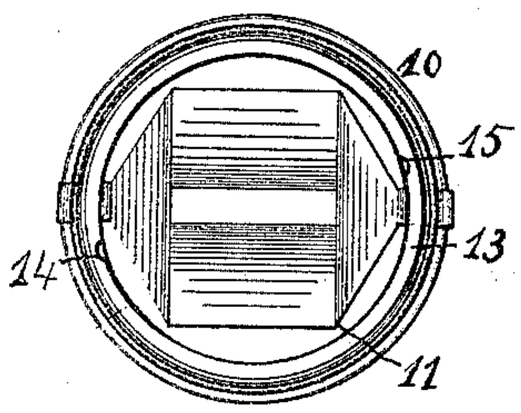
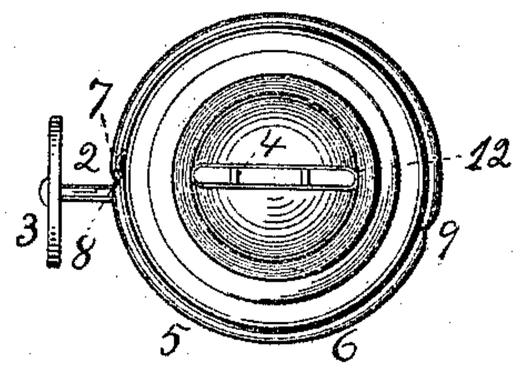


Fig. 3.



Witnesses
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UNITED STATES PATENT OFFICE.

CHARLES H. DRESSEL, OF MOUNT VERNON, NEW YORK.

LAMP-BURNER.

SPECIFICATION forming part of Letters Patent No. 612,562, dated October 18, 1898.

Application filed March 17, 1896. Serial No. 583,512. (No model.)

To all whom it may concern:

Be it known that I, CHARLES H. DRESSEL, a citizen of the United States, residing in the city of Mount Vernon, Westchester county, and State of New York, have invented a new and useful Improvement in Lamp-Burners, of which the following is a specification.

My invention relates especially to burners employed for burning hydrocarbon oil in lanterns, &c., and has for its object the provision of a simple, cheap, and effective burner wherein provision is made for the separation of the parts for the purpose of cleaning out any dirt, dust, charred wick, and other accumulations within the body of the burner and which retard or destroy combustion if allowed to remain.

To attain the desired end, my invention consists, essentially, in certain novel and useful combinations or arrangements of parts and peculiarities of construction and operation, all of which will be hereinafter first fully described, and then pointed out in the claim.

In the accompanying drawings, forming a part hereof, Figure 1 is a side elevation of my improved burner, showing the parts assembled together. Fig. 2 is a vertical sectional view at line *x x* of Fig. 1. Fig. 3 is a plan view of the lower portion of the burner disconnected from the upper portion, and Fig. 4 is a like view of the upper portion reversed in position.

Similar numerals of reference wherever they occur indicate corresponding parts in all the figures.

1 is the screw-threaded base of the burner, arranged to engage with the collar of an oil-pot in the usual manner.

2 is the ratchet-shaft; 3, the button upon the outer extremity thereof; 4, the wick-regulating ratchet, and 12 the wick-tube.

5 is the lower portion of the burner-shell, terminating in a hollow bead 6. This bead is provided with a notch 7 at one side and two stops 8 and 9, the stop 8 being close to the notch 7 and the stop 9 nearly opposite thereto.

10 is the upper portion of the shell of the burner, bearing a flame-spreader or cone 11 secured thereto.

13 is a collar formed at the lower edge of the portion 10 of the shell, this collar having projections 14 and 15 at each side.

When constructed and arranged in accordance with the above description, my improved burner will be found very effective. In assembling the parts the projection 15 is inserted in the bead 6 and the projection 14 passed through the notch 7, and then by turning the upper portion to the right (the opposite movement being prevented by the stop 8) the projection 14 binds in the bead 6, and the engagement of the projection 15 with the stop 9 locates the flame-spreader or cone in its proper position in relation to the wick-tube.

When it is desired to clean the burner, by reversing the movements above described the shell is instantly separated and all parts of its interior are easily accessible, and in case the upper part of the burner is injured or worn out a new part may be substituted therefor.

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

A separable lamp-burner in which are comprised a base carrying the wick-tube, said base having its upper edge formed into a hollow bead provided at one side with a notch, and also with two stops, one located near the notch, and the other substantially opposite thereto; and an upper removable part which carries a flame-spreader or cone, and has its lower end formed with a collar arranged to pass into and engage with the bead of the base, and provided with locking projections which are adaped to engage with the stops in the said bead, the stop located near the notch in the bead being arranged to prevent the turning the upper part of the burner in one direction, and the other stop being arranged to arrest the turning of such upper part in the other direction when the spreader is directly and properly over the burner-tube, substantially as set forth.

CHARLES H. DRESSEL.

Witnesses:

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