No. 848,070. PATENTED MAR. 26, 1907.

M. S. THORUD.

CONVERTIBLE GAS AND OIL LAMP.

APPLICATION FILED MAY 26, 1906.

Fig. 1.

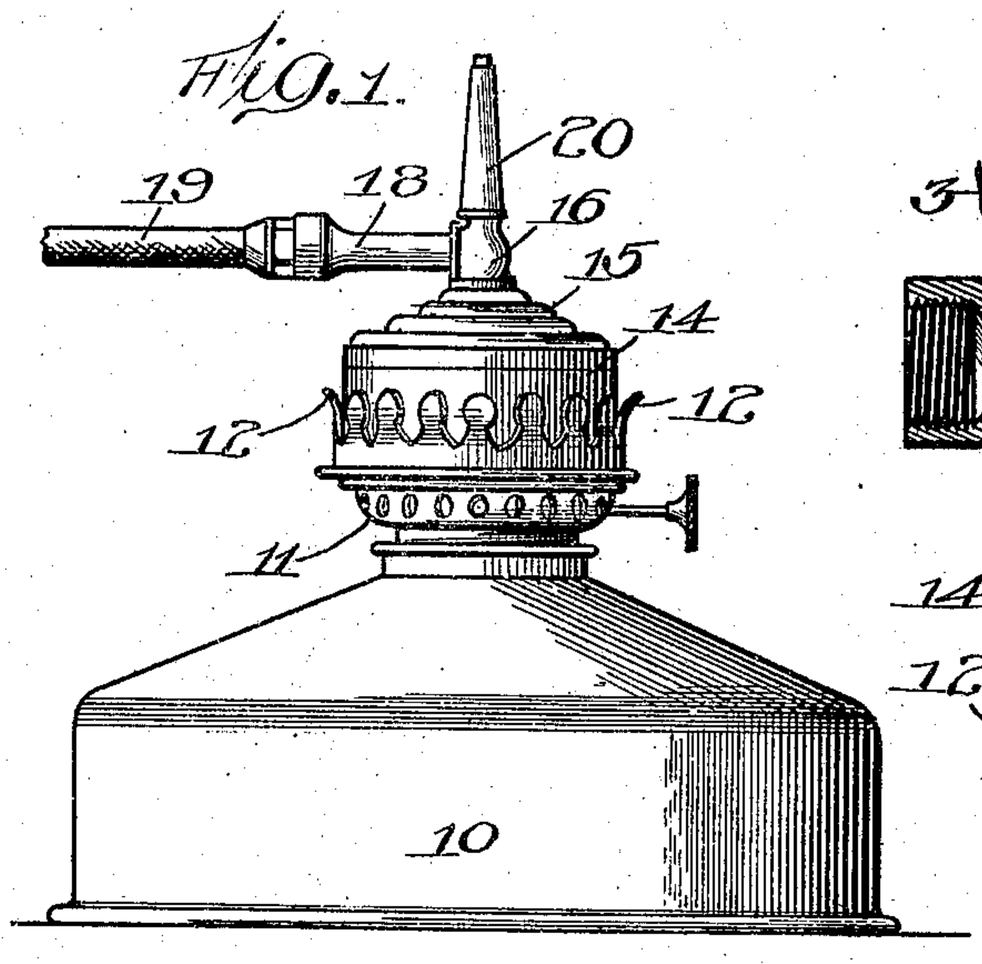


Fig. 2.

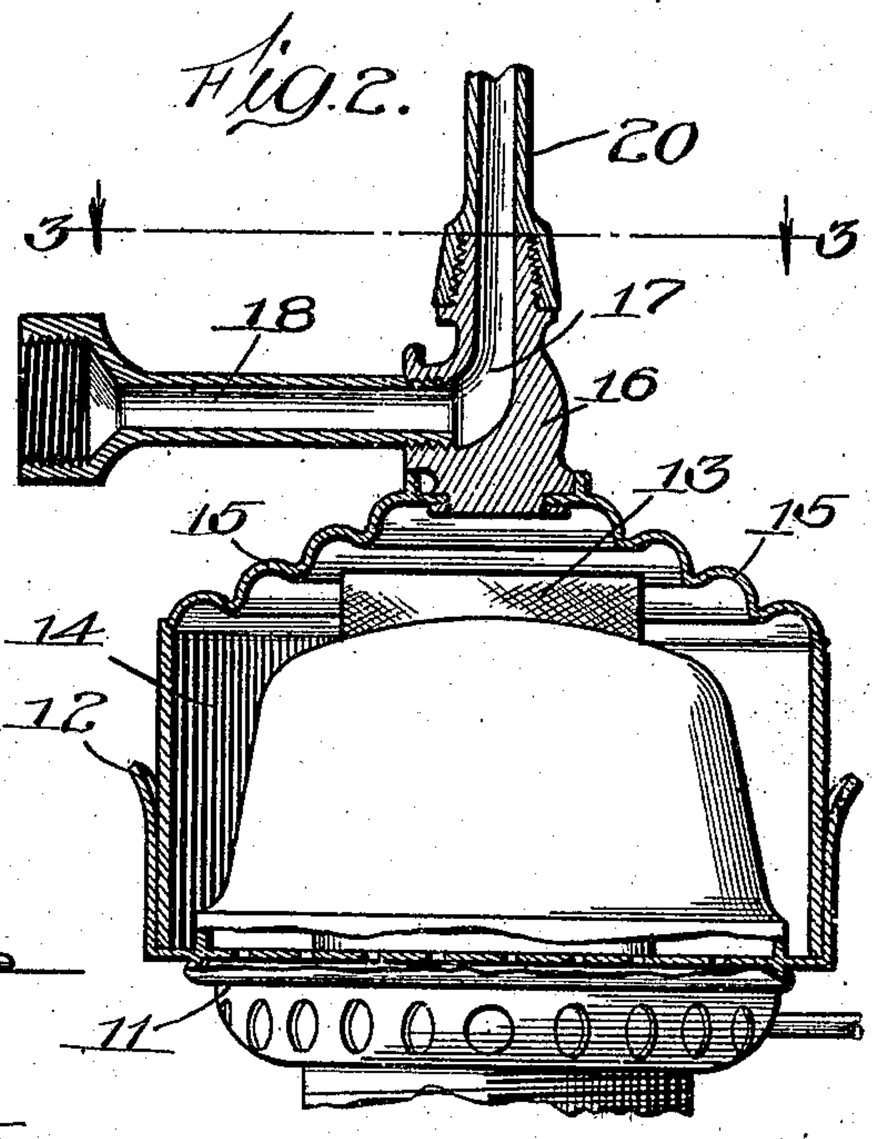


Fig. 3.

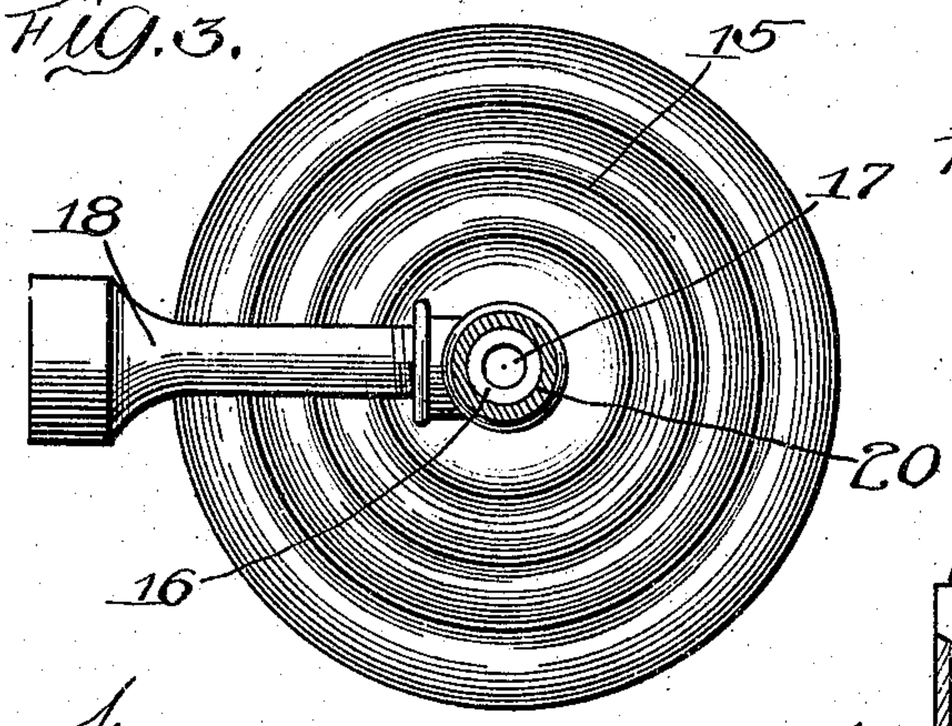


Fig. 4.

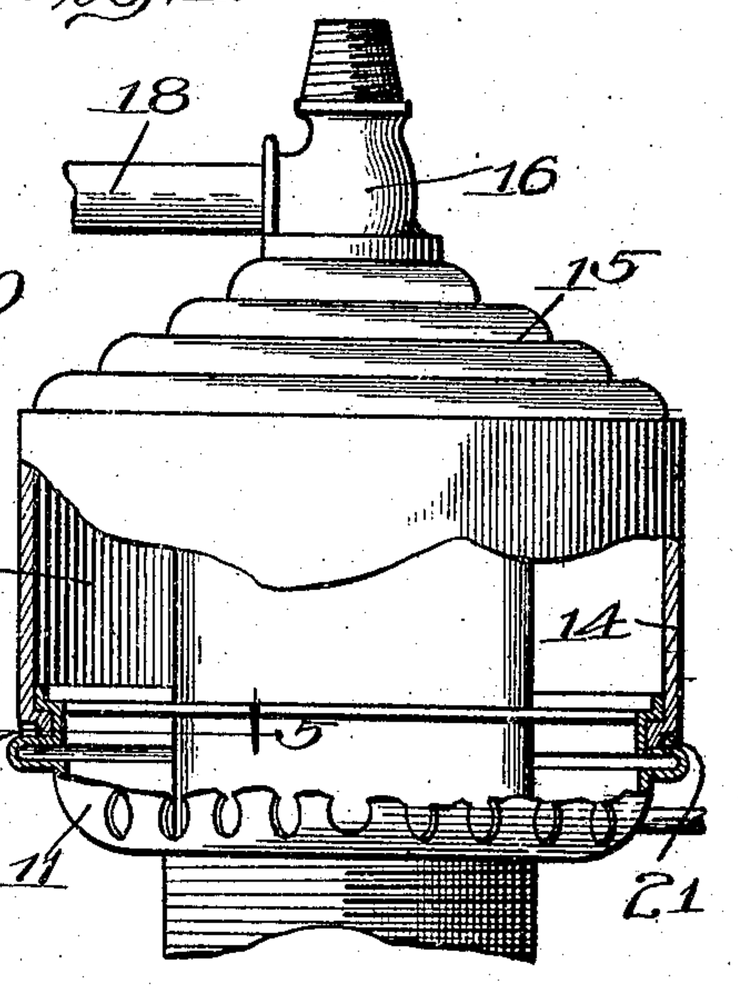


Fig. 5.

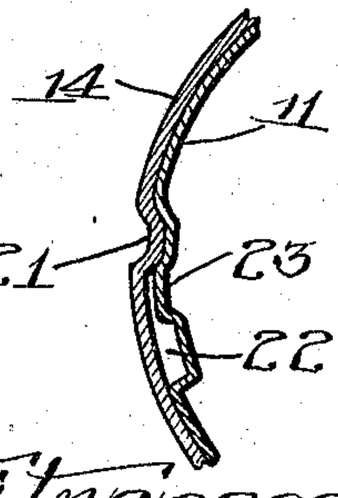
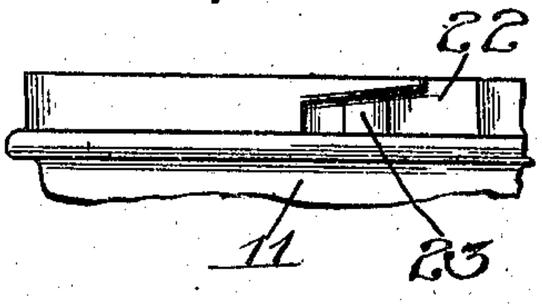


Fig. 6.



Witnesses:
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J. B. Weir

Inventor:
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by Brownell, Hopkins & Hopkins
Attys

UNITED STATES PATENT OFFICE.

MARINIUS S. THORUD, OF CHICAGO, ILLINOIS.

CONVERTIBLE GAS AND OIL LAMP.

No. 848,070. Specification of Letters Patent. Patented March 26, 1907.

Application filed May 26, 1906. Serial No. 318,793.

To all whom it may concern:

Be it known that I, MARINIUS S. THORUD, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Convertible Gas and Oil Lamps, of which the following is a full, clear, and exact specification.

This invention relates to improvements in lamps; and the object of the same is to provide an improved attachment which may be readily applied to a lamp to convert the same from an oil to a gas lamp.

A further object is to provide an improved attachment which may be readily applied to a lamp and which is so constructed as to receive and house the burner and wick.

A further object is to provide an improved device of this character which will be simple, light, and ornamental in construction, cheap to manufacture, easily applied, and efficient in operation.

To the attainment of these ends and the accomplishment of other new and useful objects, as will appear, the invention consists in the features of novelty in the construction, combination, and arrangement of the several features hereinafter more fully described and claimed, and shown in the accompanying drawing, illustrating the embodiment of the invention, and in which—

Figure 1 is a view of a lamp having an attachment applied thereto constructed in accordance with the principles of this invention. Fig. 2 is a longitudinal section of the attachment, showing the same applied to an ordinary lamp-burner, the burner being shown partly in elevation and partly in section. Fig. 3 is a top plan view taken on line 3 3 of Fig. 2. Fig. 4 is an elevation, partly in section, of a modified form of the invention. Fig. 5 is a sectional view on line 5 5 of Fig. 4, showing the connecting-joint for the members. Fig. 6 is a detail view of a portion of the joint.

In the drawing the same reference-numerals designate similar parts throughout the several views.

Referring more particularly to Figs. 1 and 2 of the drawing, there is shown for the purpose of illustration a conventional form of a lamp-body 10, which is provided with an ordinary burner 11, a globe or chimney holder 12, and a wick 13. A cap or cup-shaped member 14 is constructed of any suitable material, and secured to the top 15 thereof, preferably at the center thereof, is a gas-bracket 16, which is provided with a port or passage 17. Connected to the bracket 16 and communicating with one end of the port or passage 17 is a pipe or tube 18, and secured to the free end of this pipe or tube 18 in any suitable manner is a gas-tube 19, which leads from any suitable source of gas-supply. An ordinary burner 20 is secured to the bracket 16 and communicates with the port or passage 17. This cap or cup-shaped member 14 is of a configuration to conform to the base of the lamp or globe and is of a diameter slightly smaller than the internal diameter of the holder 12, so that its open end may be placed within and be securely held by the holder 12. This member is of a height that the top 15 thereof will stand above and out of contact with the wick 13 and may be of any desired configuration, preferably corrugated, as shown, to produce an ornamental surface. The friction between the periphery of the member 14 and the lamp or globe holder 12 being sufficient to permit the ready insertion and removal thereof and to securely hold the same in position to prevent accidental displacement when transporting or moving the lamp. When it is desired to use this attachment, the globe or chimney is removed and the attachment applied, which latter may be as readily removed to permit the oil-lamp to be used. The member 14 is preferably of a standard size to permit its ready application to any lamp.

In the modification shown in Fig. 4 the lamp or globe holder 12 is removed, and the cap or cup-shaped member 14 is shown applied directly to the burner 11. In this exemplification of the invention the member 14 is provided with a suitable number of inwardly-projecting lugs or portions 21, preferably adjacent the base thereof, as shown more clearly in Fig. 5, and these lugs or projections 21 are adapted to enter the ordinary bayonet-slots 22 and over a suitable projection 23, which may be provided in its slots, if desired, and in the path of movement of the said lug or projection, whereby the lug or projection 21 may be locked or held from displacement under normal conditions; but when extra power is applied to rotate the member 14 to unlock the same the lug or pro-

jection 21 will pass over the projection 23. Any suitable form of fastening means may be employed for securing the member 14 to the burner 11; but this form is shown and described as being a simple and effective fastening means. In this exemplification the member 14 surrounds the burner 11, and its internal diameter is of a size slightly larger than the external diameter of the burner 11, so that the parts will have a close fit.

It is to be understood that it is not desired to be limited to the exact details of construction or the arrangement of the several parts, as numerous changes may be made therein without departing from the spirit of the invention.

What is claimed as new is—

1. In combination, a lamp, a burner, and a chimney or globe holder for the lamp, a cap adapted to receive and inclose the burner and to engage the holder when the chimney or globe is removed for securing the cap to the burner, and a supplemental burner supported by the cap, said supplemental burner having an independent means of supply.

2. In an oil-lamp, the combination of a burner, a lamp or globe support, a cap adapted to inclose the burner and engage the holder for removably securing the cap in position, and a supplemental burner supported by the cap, said supplemental burner having an independent means of supply, the central portion of the top of the cap being higher than the remaining portion to prevent its engagement with the wick of the first said burner when the cap is in place thereon.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, on this 24th day of May, A. D. 1906.

MARINIUS S. THORUD.

Witnesses:

FRANK T. BROWN,

J. H. JOCHUM, Jr.