No. 740,401. PATENTED OCT. 6, 1903.

C. W. CURRIER.

GAS LAMP.

APPLICATION FILED MAY 12, 1902.

NO MODEL.

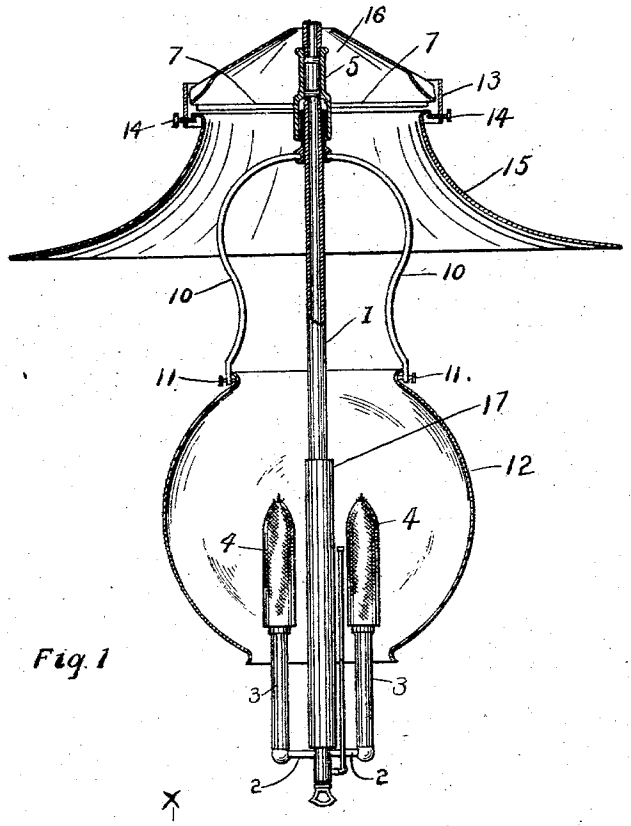


Fig. 1

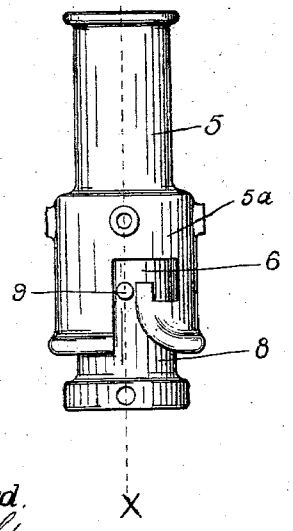


Fig. 2

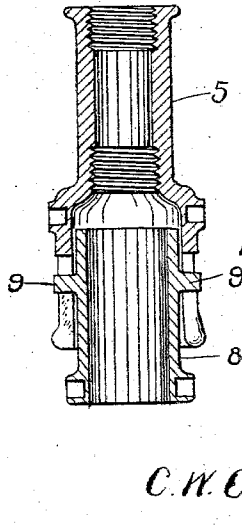


Fig. 3

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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

No. 740,401. Patented October 6, 1903.

UNITED STATES PATENT OFFICE.

CHARLES W. CURRIER, OF COLUMBUS, OHIO.

GAS-LAMP.

SPECIFICATION forming part of Letters Patent No. 740,401, dated October 6, 1903.

Application filed May 12, 1902. Serial No. 106,895. (No model.)

To all whom it may concern:

Be it known that I, CHARLES W. CURRIER, a citizen of the United States, residing at Columbus, in the county of Franklin and State of Ohio, have invented a certain new and useful Improvement in Gas-Lamps, of which the following is a specification.

My invention relates to the improvement of gas-lamps, and has particular relation to that class of gas-lamps in which a plurality of burners are suspended from an upper support and in which a glass globe is employed about the burners.

The objects of my invention are to provide a gas-burning lamp of this character of improved construction and arrangement of parts, to provide improved means for adjustably and detachably supporting the globe from a point above the burners, to provide in conjunction therewith improved means for supporting a lamp-shade above said globe, and to produce other improvements the details of construction of which will be more fully pointed out hereinafter. These objects I accomplish in the manner illustrated in the accompanying drawings, in which—

Figure 1 is a central vertical section of my improved lamp, showing a portion of the parts thereof in elevation. Fig. 2 is a detail view in elevation of the sleeve-sections, which I employ in the manner hereinafter described; and Fig. 3 is a central vertical section on line *x x* of Fig. 2.

Similar numerals refer to similar parts throughout the several views.

1 represents a vertically-disposed gas-supply pipe which in its lower portion is provided with laterally-extending pipe-arms 2, on which are supported suitable vertical burner-tubes 3, surmounted by burners 4. At a suitable height above the burners on the pipe 1 I secure the upper reduced portion of a sleeve 5, the lower and enlarged portion of which is, as indicated more clearly in Figs. 2 and 3 of the drawings, formed on opposite sides with slotted openings 6, leading upward from the lower end of said enlarged portion, each of said openings being substantially of an inverted-L shape. In the upper portion of the enlargement 5^a of the sleeve 5 I secure the inner ends of the desired number of outwardly-extending arms or rods 7. Loosely surrounding the pipe 1 and adapted to have its greater portion inserted within the enlargement 5^a of the sleeve 5 is a second sleeve or tubular plug 8, this sleeve having in its upper portion oppositely-located projecting pins or lugs 9, which are adapted to engage the ends of the recesses 6, and thus serve to support said sleeve 8 in connection with the sleeve 5. The lower end portion of the sleeve 8 has radiating outward therefrom at desirable intervals globe-supporting frame-rods 10, the latter extending outward and downward in preferably curved lines and having passing through threaded openings in their lower ends supporting-screws 11. The inner ends of these supporting-screws are adapted to engage the upper peripheral depression of a glass globe 12, which when the sleeves 8 and 5 are connected as described surrounds the burners 4. The outer ends of the arms or rods 7 are connected with a suitable band or ring 13, through which pass screws 14, the latter adapted to have their inner ends engage the outturned lip or upper end flange of a flaring reflector 15. Upon the upper sides of the rods 7 and near the upper portion of the band 13 is supported the lower and larger end portion of an additional or top reflector 16, which tapers toward the pipe 1, which it surrounds.

On the pipe 1 at a point within the globe when the latter is in its normal position I provide a stop projection or enlargement 17, which may be of any suitable form and which in the present instance is produced by a sleeve mounted upon the lower portion of the pipe 1.

When it is desired to gain access to the burners, the globe may be lowered by first moving the lower sleeve 8 upward until the pin 9 clears the downwardly-extending portion of the termination of the recess 6, then turning said sleeve 8 into the main passage of said recess 6 to the position indicated in Figs. 2 and 3 of the drawings, then lowering the sleeve 8 on the pipe 1 until the lower end of said sleeve is in contact with and rests upon the stop projection 17. In this manner it will be seen that the globe will be lowered to such position as to entirely clear the burners 4 and permit of free access to the latter.

From the construction and operation above described it will be seen that simple, reliable, and effective means are provided for suspend-

ing a gas-lamp globe and for readily lowering and raising the same and that in conjunction therewith desirable means are provided for the support of the reflectors. It will also be seen that by my improved construction a globe-support at the base of the latter or adjacent to the burners is made unnecessary and that the light-rays from the burners may be cast downward as well as outward without obstruction.

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

1. In a lamp, a standard, a burner carried thereby, a globe-support adjustable upon the standard, and upper and lower means carried by the standard for engagement by the globe-support, one of said means being located to hold the globe about the burner and the other being located to hold the globe clear of the burner to expose the same for access thereto.

2. In a lamp, a standard, a burner carried thereby, a globe-support adjustable upon the standard, means carried by the standard for engagement by the globe-support to hold the globe about the burner, and other means also carried by the standard for engagement by the globe-support to hold the globe below the burner to expose the same for access thereto.

3. In a lamp, a standard, a burner carried thereby, a sleeve slidable upon the standard and provided with a projection, globe-supporting arms carried by the sleeve, a fixed sleeve carried by and spaced from the standard to receive the slidable sleeve and having a bayonet-slot for the removable reception of the projection on the slidable sleeve, and a shoulder carried by the standard and located below the stationary sleeve to support the slidable sleeve in its lowered position.

4. In a lamp, a standard, a burner carried thereby, a globe-supporting sleeve slidable upon the standard and provided with a pin and bayonet slot detachable engagement with the standard, and a shoulder carried by the standard for engagement by the sleeve to support the latter in its lowered position.

CHARLES W. CURRIER.

In presence of—
P. S. KASHNER,
S. EDWIN WARD.