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PATENTED MAR. 1, 1904.

J. S. SNYDER.  
COKE DRAWER'S LAMP.  
APPLICATION FILED MAR. 30, 1903.

NO MODEL.

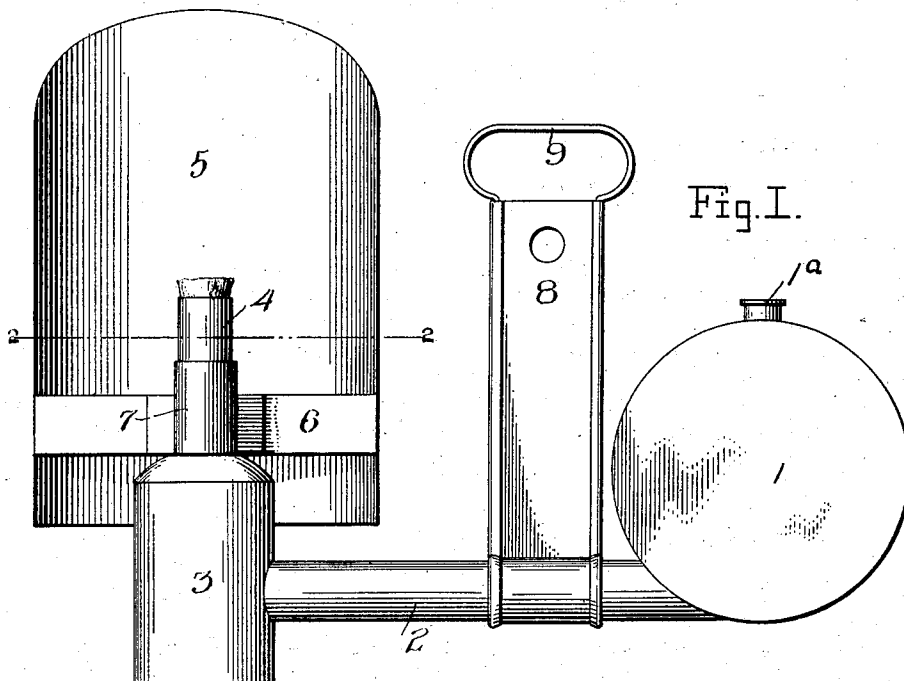
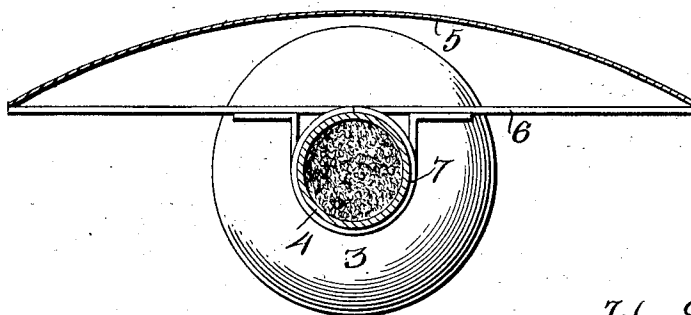


Fig. 1.

Fig. 2.



Inventor

John S. Snyder.

Witnesses

C. H. Penchenbach.

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By

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Attorney.

# UNITED STATES PATENT OFFICE.

JOHN S. SNYDER, OF MEYERSDALE, PENNSYLVANIA.

## COKE-DRAWER'S LAMP.

SPECIFICATION forming part of Letters Patent No. 753,748, dated March 1, 1904.

Application filed March 30, 1903. Serial No. 150,222. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN S. SNYDER, a citizen of the United States, residing at Meyersdale, in the county of Somerset and State of Pennsylvania, have invented certain new and useful Improvements in Coke-Drawers' Lamps; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to lamps for the use of coke-drawers.

The object of the invention is to provide a lamp of this character which will direct the light into the coke-oven, permitting the coke drawer or operator to see into the oven without being blinded by the light of his lamp.

Another object is to provide a lamp in which the oil tank or font will be out of the direct heat of the oven and to construct a lamp of the character described which will be simple, strong and durable, inexpensive, and well adapted to the use for which it is designed.

With these and other objects in view the invention consists of certain novel features of construction, combination, and arrangement of parts, as will be more fully described, and particularly pointed out in the appended claims.

In the drawings, Figure 1 is a front elevation of the lamp. Fig. 2 is a horizontal sectional view through the burner-tube and deflector on the line 2 2 of Fig. 1.

In the drawings, 1 denotes the oil tank or font.

2 denotes the oil-feed tube.

3 denotes the wick-chamber, and 4 denotes the burner-tube. The tank may be of any suitable form and holding capacity and is provided in its upper side with a filling-opening closed by a cap 1<sup>a</sup>.

The oil-feed tube is connected at one end to the lower side of the tank 1 and projects laterally therefrom a suitable distance, preferably six inches or more, and connects at its opposite end with the wick-chamber 3 a slight distance above the bottom of the same. The wick-chamber may also be of any suitable

shape, but is preferably cylindrical and has formed on its upper end the burner-tube 4.

5 denotes a concaved shield or deflector, which may be of any desired shape, but is shown in the drawings as substantially rectangular in shape, having a curved upper end.

6 denotes a cross brace or bar arranged near the lower end of the deflector and connected at its ends to the opposite edges of the same.

7 denotes a tubular collar fixed to the cross-bar 6 midway the length of the same and adapted to be slipped upon the burner-tube, thereby connecting the deflector-plate to the same.

8 denotes a hanger, preferably formed of a strip of sheet metal, having a bead formed on the edges thereof, through which is adapted to be passed a wire, the looped upper end of which is formed into a handle 9, and the lower ends of the plate and wire are adapted to be bent around and fixed to the oil-feed tube 2 in juxtaposition to the tank 1. A hole or opening is formed through the plate 8 near its upper end to permit the lamp to be hung up.

When in the operation of coke-ovens it becomes necessary to draw the coke at night, a light is required by the operator, lamps being commonly provided for giving the required light. It has been found in practice that the light from such lamps when not provided with shields or deflectors shines into the face of the operator and preventing him from seeing into the oven.

Another objection to lamps as ordinarily used is that the oil tanks or fonts of the same being near the burner and consequently in line with oven-door are in danger of exploding from the intense heat which comes from the ovens.

In the arrangement of a lamp as herein shown and described it has been sought to overcome these objections as well as to provide a lamp which may be conveniently hung up at the side of the oven-door and out of the way of the operator.

From the foregoing description, taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

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

1. A lamp of the class described, comprising an oil-font, a feed-tube projecting laterally therefrom, a wick-chamber with which the feed-tube communicates and having a cylindrical burner-tube on its upper side, said tube having at its base a shoulder formed at the top of the wick-chamber, a hanger secured to the feed-tube at a point between the font and the wick-chamber; a bowed concaved shield-deflector, a cross-bar fixed at its ends to the side edges of the deflector and retaining its bowed form, and a cylindrical collar vertically disposed upon the outer side of the cross-bar and directly engaging the burner-tube and resting on said shoulder to support said shield-deflector, said collar frictionally engaging the tube and axially adjustable thereon to permit

the deflector to stand in a plane parallel with the feed-tube or at an angle thereto, and adapted to be slid vertically upon the burner-tube for engagement and disengagement, substantially as described.

2. The combination with a lamp, comprising an oil-font, a wick-chamber, and a feed-tube connecting the same, of a hanger secured to the feed-tube between the font and burner-tube, said hanger comprising an elongated U-shaped wire spread laterally at the bend to form a loop-handle, and a sheet-metal strip having its side edges folded over upon the arms of the wire below said handle, the lower end of the strip and lower ends of the arms of the wire being bent or coiled around the said feed-tube, substantially as described.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses:

JOHN S. SNYDER.

Witnesses:

ROSS A. SNYDER,  
WM. H. HAY.