T. HANNA.

GLOBE FOR INVERTED BURNERS.

APPLICATION FILED OCT. 12, 1907.

898,881. Patented Sept. 15, 1908.

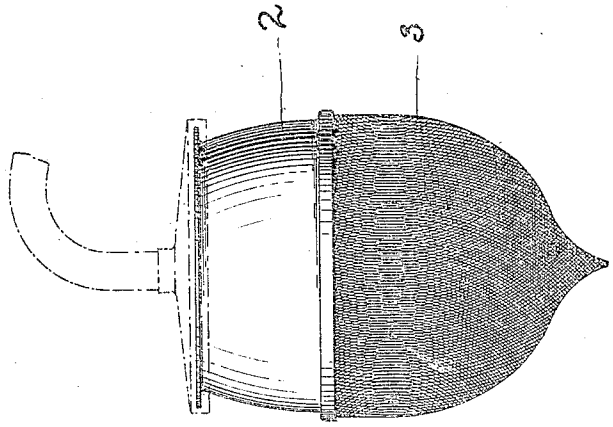


Fig. 2

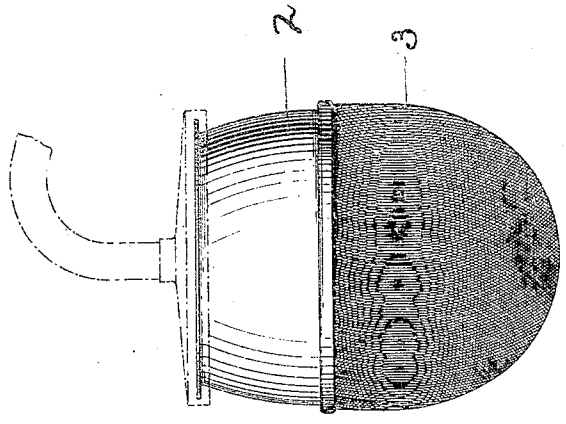


Fig. 1

WITNESSES.

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UNITED STATES PATENT OFFICE.

THOMAS HANNA, OF COLUMBUS, OHIO.

GLOBE FOR INVERTED BURNERS.

No. 898,881. Specification of Letters Patent. Patented Sept. 15, 1908.

Application filed October 12, 1907. Serial No. 397,118.

To all whom it may concern:

Be it known that I, THOMAS HANNA, of Columbus, in the county of Franklin and State of Ohio, have invented a certain new and useful Improvement in Globes for Inverted Burners, of which the following is a full, clear, and exact description, reference being had to the accompanying drawing, forming part of this specification, in which—

Figure 1 is a side elevation illustrating my improved globe, and Fig. 2 is a like view of a modification.

Heretofore in the use of inverted burners such as are employed with incandescent mantles, there has been more or less danger of fire owing to the incandescent portions of the mantle dropping through the air apertures in the globe surrounding the burner. Another objectionable feature is that these air passages cause objectionable drafts of air which are destructive to the mantle.

The object of my invention is to provide a globe which will permit of a free passage of air to the burner without possibility of the escape of incandescent portions of the mantle, and without such apertures as would cause injurious drafts of air. To this end it consists in a globe, the lower portion of which is composed of wire mesh.

In the drawing, 2 represents the upper portion of the globe for incandescent burners, which may be formed of sheet metal, glass, or other suitable substance. Attached to the upper portion 2 is a cup-shaped lower portion 3, which is composed of wire mesh and is, when attached to the upper portion 2, without openings or perforations other than the spaces between the wires forming the mesh. This globe 3 may be composed of wire cloth with a mesh ranging from ten to one hundred wires to the square inch.

Although I have shown a wire globe 3 in the drawing of certain shapes, I do not desire to limit myself thereto.

The advantages of my invention are that while the passage of air is permitted to the burner, injurious drafts are prevented, and the escape of falling incandescent pieces of the mantle is rendered impossible. The globe, when composed entirely of metal, is also much more durable than when composed wholly or in part of glass.

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

1. In an incandescent gas burner of the inverted type, a globe of fine wire mesh constructed to protect the mantle from drafts of air and to diffuse the light.

2. An incandescent gas burner of the inverted type comprising a mantle inclosure of fine wire mesh constructed to form a light diffusing medium.

In testimony whereof, I have hereunto set my hand.

THOMAS HANNA.

Witnesses:
M. A. BARTH,
C. E. EGGERS.