

J. CARTWRIGHT.
 MEANS FOR ATTACHING AND REMOVING GAS MANTLES.
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1,059,978.

Patented Apr. 29, 1913.

Fig. 1

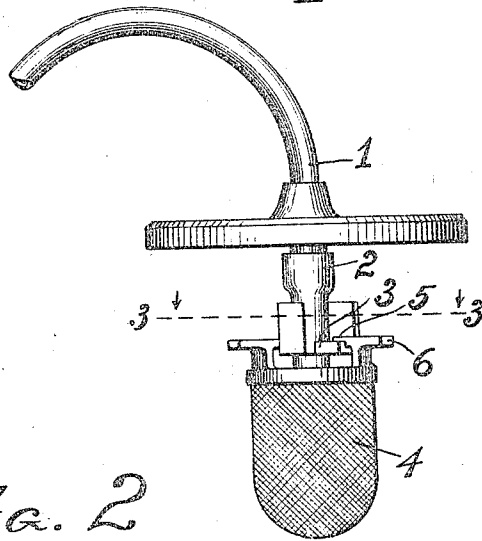


Fig. 2

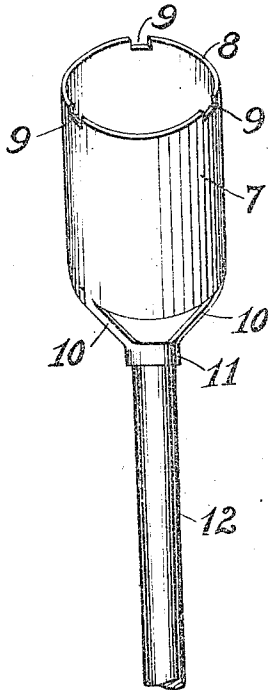
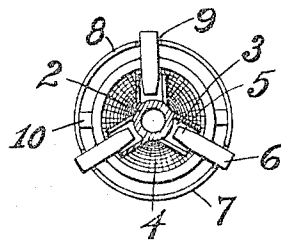


Fig. 3



Witnesses
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UNITED STATES PATENT OFFICE.

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MEANS FOR ATTACHING AND REMOVING GAS-MANTLES.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JOHN CARTWRIGHT, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Means for Attaching and Removing Gas-Mantles, of which the following is a specification.

This invention relates to a device for attaching inverted gas mantles to the burner and also for removing the mantle therefrom.

The principal object of the invention is to provide a simple and inexpensive device of the above character, which will enable a person to attach or place an inverted mantle in position without danger of breaking it, as is often the case when attaching the mantle in the usual manner.

The invention consists of certain details of construction, which in the preferred embodiment thereof are illustrated in the accompanying drawings in order that the same may be clearly understood.

The novel features of the invention will be distinctly pointed out in the appended claim.

In the drawings like characters of reference designate corresponding parts.

Figure 1 illustrates a gas burner with an ordinary inverted mantle in position such as may be attached or removed by means of the present invention, Fig. 2 is a perspective elevation of a device representing my invention, and Fig. 3 is a sectional plan view taken on line 3—3 of Fig. 1, the device also being shown.

Referring to the drawings, 1 represents an ordinary gas burner having the usual porcelain tip 2 which is provided with a plurality of radial supports 3 for carrying the inverted mantle 4. Said mantle is of the ordinary type, having a plurality of inwardly projecting radial nibs 5 for resting in the supports 3, and a like number of outwardly projecting radial arms 6 by which the mantle is handled.

Usually the gas burners are out of convenient reach, and as is well known, the mantles being delicate, soon burn out and often require to be replaced by new ones. When attaching inverted mantles such as indicated by 4 to the supports 3 of the

burner, they are often broken; and the purpose of this invention is to provide a device by means of which the old mantle may be removed without the necessity of mounting upon a chair or taking an elevated position, and a new mantle replaced by a person standing on the floor without danger of breaking the mantle.

The device consists of a cup or cylindrical shell 7 preferably formed of suitable sheet material. The upper edge or rim 8 of the cup 7 is provided with a plurality of rectangular recesses 9, of suitable width and depth and so positioned as to freely receive the radial arms 6 of the mantle. The cup or cylindrical shell 7 is of sufficient length to completely inclose the mantle and afford the necessary protection.

The device may consist of the cup or cylindrical shell 7 only if desired, or may be provided with a handle for more convenient manipulation, in which case there depends from the lower edge of the cup or cylindrical shell 7, a pair of inwardly inclined legs 10 which are connected to a socket collar 11 for receiving a suitable handle 12.

When the mantle has become burned out and it is desired to replace it by a new one, the cup or cylindrical shell 7 is raised by means of the handle 12 to inclose the mantle and its recesses 9 are made to engage the arms 6 of the mantle. In this way the nibs 5 of the mantle may be raised from their supports, and by properly turning the handle, they will be swung clear of the supports and the mantle can then be lowered. A new mantle may then be replaced in the cup or cylindrical shell and attached to the gas burner supports without danger of breaking it as will be readily understood.

Although the device illustrated and described will satisfactorily serve the purposes for which it is intended, it is to be understood that slight changes in the construction may be made within the scope of the claim.

Having described my invention, what I claim is:

A device of the class described comprising a cylindrical shell, the cylindrical shell having rectangular recesses in its upper end edge for freely receiving the arms of an inverted

gas mantle whereby the cylindrical shell may
be easily connected to the mantle and also
cause the same to be rotated therewith, legs
depending from the lower end edge of the
cylindrical shell, a socket collar carried by
5 the legs, and a handle fixed into said socket
collar, substantially as described.

In testimony whereof I affix my signature
in presence of two witnesses.

JOHN CARTWRIGHT.

Witnesses:

J. H. KELSEY,
GEORGE F. GESSNER.