

M. S. DAMBACH.
SMOKE BELL.
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1,027,186.

Patented May 21, 1912.

FIG. 1

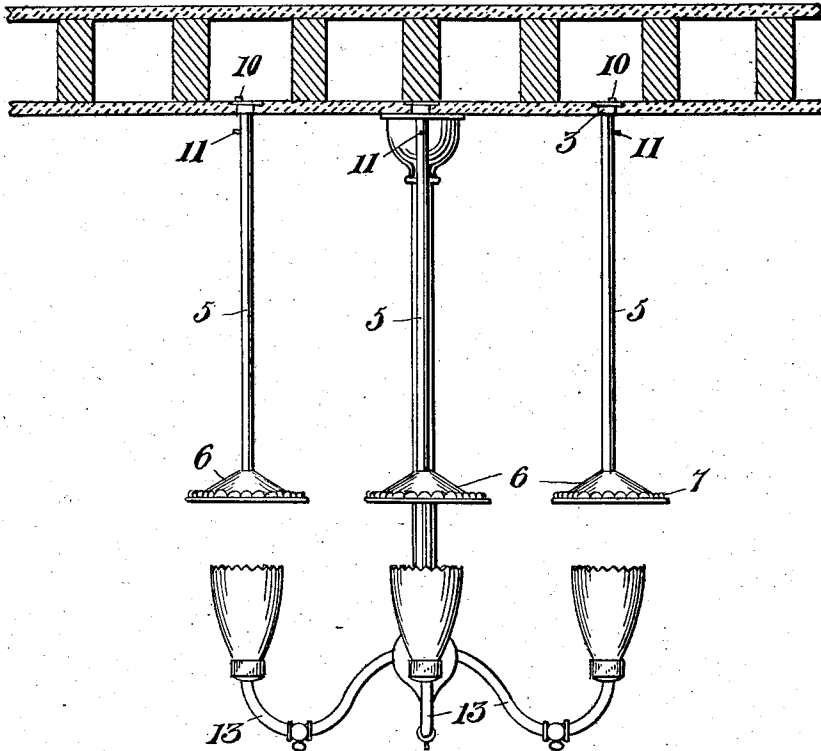
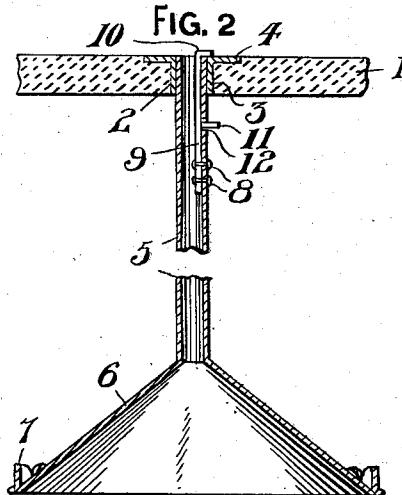


FIG. 2



WITNESSES

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MARGARET S. DAMBACH, OF BEAVER FALLS, PENNSYLVANIA.

SMOKE-BELL.

1,027,186.

Specification of Letters Patent.

Patented May 21, 1912.

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To all whom it may concern:

Be it known that I, MARGARET S. DAMBACH, a citizen of the United States of America, residing at Beaver Falls, in the county of Beaver and State of Pennsylvania, have invented certain new and useful Improvements in Smoke-Bells, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to smoke bells, especially designed for chandeliers, gas jets and other fixtures that are suspended from a ceiling or similar support.

The primary object of my invention is to provide a smoke bell that can be detachably connected to a ceiling, to protect the ceiling from the smoke and fumes emitted by a gas flame.

Another object of this invention is to furnish a ceiling with a socket in which a smoke bell can be mounted when it is desired to use the same, the socket being a permanent fixture that is inexpensive to manufacture and easy to install during the construction of a ceiling.

I attain the above objects by a mechanical construction that will be hereinafter specifically described and then claimed, and reference will now be had to the drawing, wherein—

Figure 1 is a sectional view of a portion of the ceiling provided with a smoke-bell, and Fig. 2 is an enlarged vertical sectional view of one of the smoke-bells partly broken away.

The reference numeral 1 denotes a portion of the ceiling provided with an opening 2 for a cylindrical socket 3, said socket having an annular flange 4 countersunk in the inner side of the ceiling 1, said flange retaining the socket within the opening 2.

The reference numeral 5 denotes the tube or hollow stem having the lower end thereof provided with a conical shaped hood 6, said hood having the lower edges thereof ornamented, as at 7, to present a neat and attractive appearance.

In the upper end of the tube or stem 5 there is mounted by rivets 8 or other fastening means, a resilient locking member 9, said member protruding from the upper end of the tube or stem and having a hook 10 that is adapted to extend over the upper end of the tube or stem and engage the flange 4 of the socket 2. The locking mem-

ber 9 has a push-pin 11 that extends through an opening 12 provided therefor in the tube or stem 5.

By pushing inwardly upon the pin 11, the hook-shaped end 10 of the locking member can be shifted out of engagement with the flange 4, whereby the tube or stem 5 can be withdrawn from the socket 2. The tube or stem 5 is easily and quickly placed in engagement with the socket, and by making the stem hollow, such heat that is generated by a chandelier 13 or other gas fixture, passes upwardly through the stem into the space between the ceiling and the floor above said ceiling.

The smoke-bell can be made of light and durable metal and of various sizes, and it is obvious that it can be used in connection with a chandelier having a plurality of burners or in connection with a single gas jet.

While in the drawing there is illustrated a preferred embodiment of the invention, it is to be understood that the structural elements are susceptible to such modifications as fall within the scope of the appended claims.

What I claim is:

1. A smoke bell comprising a flanged socket adapted to be secured in the lower section of a hollow ceiling, a hollow cylindrical stem extending into said socket, a hood integral with the lower end of said stem, and a resilient locking member arranged at the upper end of the stem and capable of engaging the flange of said socket for detachably suspending the stem from the lower section of said ceiling.

2. A smoke bell comprising a flanged socket adapted to be secured to the lower section of a hollow ceiling, a hollow cylindrical stem having its upper end extending into said socket, a hood integral with the lower end of the stem, a resilient member arranged within said stem and having its lower end fixedly secured to the stem and its upper end provided with a hook for engaging the flange of said socket for detachably suspending the stem, and means carried by the stem and capable of being shifted inwardly to engage said member for moving the latter from engagement with said socket thereby releasing the stem.

3. A smoke bell comprising a hollow cylindrical stem adapted to be suspended from

the lower section of a hollow ceiling, a hood
integral with the lower end of said stem,
and a resilient member arranged within the
upper portion of the stem and having its
5 lower end fixed to the stem and its upper end
provided with a hook for overlapping the
upper face of said lower section of the ceil-
ing thereby suspending the stem, and shift-
able means carried by the upper portion of

said stem and capable when actuated of 10
shifting said member to release the stem.

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

MARGARET S. DAMBACH.

Witnesses:

MAX H. SROLOVITZ,
CHRISTINA T. HOOD.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,
Washington, D. C."