

H. H. FULTON.
GAS ESCAPE.
APPLICATION FILED MAY 25, 1909.

941,917.

Patented Nov. 30, 1909.

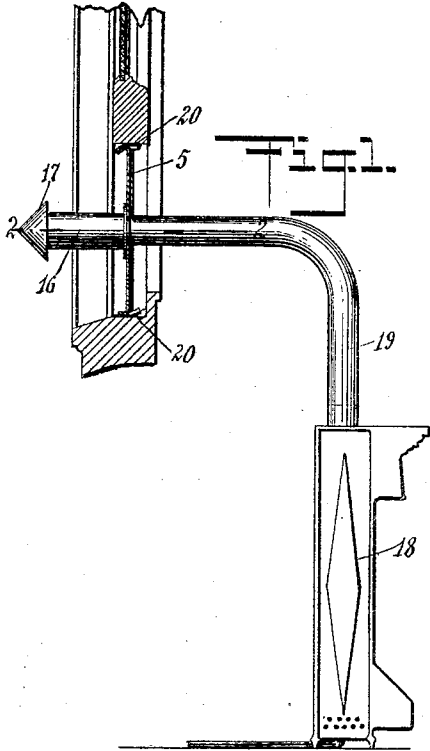
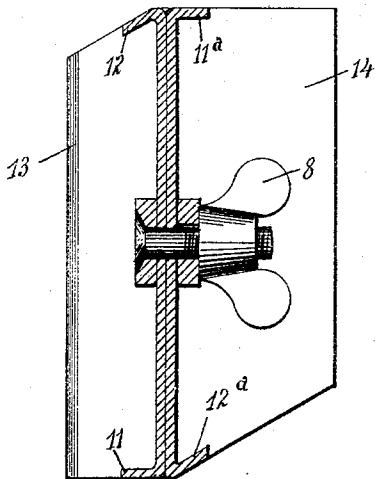
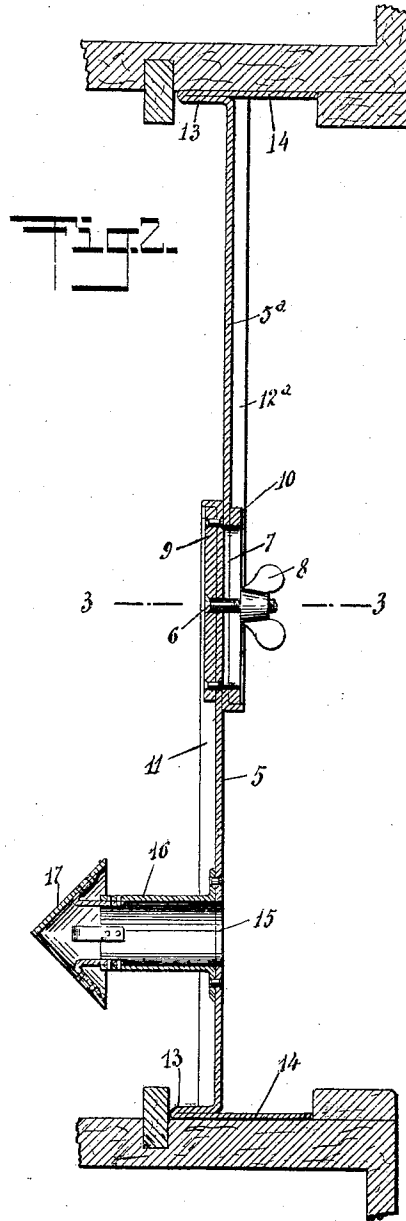


Fig. 3.



WITNESSES

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HOMER HARVEY FULTON, OF OROVILLE, CALIFORNIA.

GAS-ESCAPE.

941,917.

Specification of Letters Patent.

Patented Nov. 30, 1909.

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To all whom it may concern:

Be it known that I, HOMER H. FULTON, a citizen of the United States, and a resident of Oroville, in the county of Butte and State of California, have invented a new and Improved Gas-Escape, of which the following is a full, clear, and exact description.

The invention is designed to provide an appliance for the escape of gases from gas, vapor and similar heaters, the appliance being applicable to windows of various sizes and easily set up and removed.

To this end the invention in general consists of an extensible window stopper, a pipe carried by and projecting outwardly from the stopper, with which the flue of the gas or oil heater connects, and a hood spaced from and covering the outer end of the pipe.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a vertical section through a window having my improved gas escape applied thereto; Fig. 2 is a horizontal section on the line 2—2 of Fig. 1; and Fig. 3 is a cross-section of the stopper on the line 3—3 of Fig. 2.

An extensible window stopper designed to close a portion of the window opening, either above or below the sash, consists of two plates 5 and 5^a overlapping at their inner ends, at which point the outer plate 5 is provided with an inwardly-projecting stud 6 passing through a longitudinal slot 7 in the plate 5^a, the stud 6 having a thumb-nut 8 to bind the two plates together and secure them in any position of adjustment within the limits afforded by the slot. Both flanges 5 and 5^a are reinforced at the slot by reinforcing strips 9 and 10 respectively, the strip 9 being riveted or otherwise secured to the outer face of the plate 5, and the strip 10 secured to the inner face of the plate 5^a and similarly slotted. The bottom and top edges of the outer plate 5 are turned outwardly to form flanges 11 and 12, and the corresponding edges of the plate 5^a are turned inwardly to form flanges 11^a and 12^a, the flanges 12 and 12^a being located at the top and bottom respectively and inclining downwardly and outwardly, and the flanges 11^a and 11 arranged at right-angles to the plane of the stopper. This construction of the flanges

adapts the stopper to seat flat in windows having window sills with beveled upper faces, as well as in windows in which these faces of the window sills are horizontal, as shown in Fig. 1.

The outer end of each plate 5 and 5^a is bent at right-angles to the plane of the plate to form a flange 13, and then bent upon itself and extended to the opposite side of the plate to form a flange 14, both the flanges 13 and 14 being substantially wider than the flanges at the top and bottom edges of the plates, whereby the stopper may be snugly fitted into sash ways of different widths, by simply bending the edge of the flange 14 outwardly so that the combined width of the flanges 13 and 14 is equal to that of the sash groove or way. This construction affords the stopper a substantial bearing face at each end, against the window jambs, and prevents the stopper from tilting when in place. The plate 5 has an opening 15 near or above the longitudinal center of the stopper, over which is secured at the outside a pipe 16 of equal internal diameter, the pipe having a hood 17 of conical form attached at its outer end, which is spaced a sufficient distance from the outer edge of the pipe to permit of the escape of the gases, as is the usual practice in ventilator construction.

A gas or vapor heater 18, and which I have shown for convenience of illustration to be in the form of an open fireplace, has a gas or vapor flue 19 which is connected with the pipe 16, thus discharging the obnoxious gases to the outside of the room. If desired, the contacting edges or faces of the stopper may be covered with felt, or other soft flexible material, 20, as shown in Fig. 1, to insure a weather-tight fit.

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

1. A window stopper comprising plates having overlapping inner ends adjustably secured together, each plate having the outer end portion thereof bent at approximately right-angles to the plane of the stopper and bent upon itself to provide flanges at both the inner and outer side of the plate to fit in the window sash ways.

2. A window stopper comprising plates having overlapping inner end portions adjustably secured together, each plate having its upper and lower edge turned from the

other plate to form flanges, with the upper
and lower flange of opposite plates inclining
downwardly and outwardly and the other
flanges of the plates arranged at approxi-
5 mately right-angles to the plane of the
stopper.

In testimony whereof I have signed my

name to this specification in the presence of
two subscribing witnesses.

HOMER HARVEY FULTON.

Witnesses:

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J. W. SLIGAR.