July 20, 1937. A. M. BOUTTE 2,087,833

BUILT-IN VENTILATOR

Filed Nov. 30, 1936

Fig. 1.

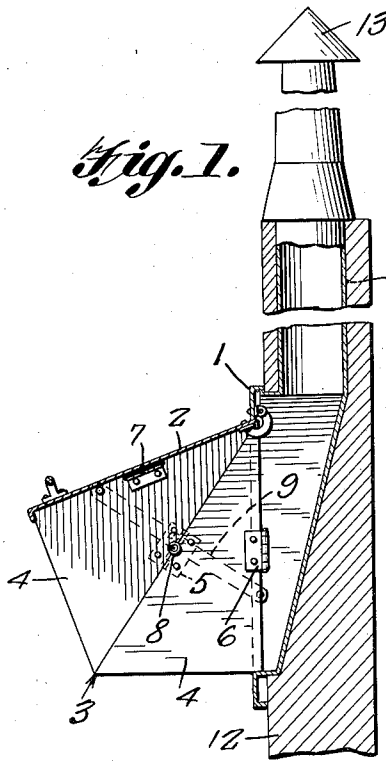


Fig. 5

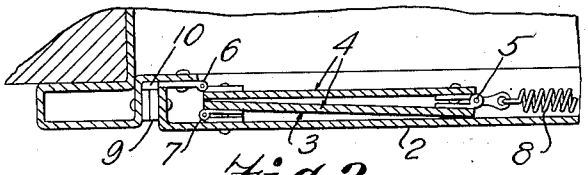


Fig. 2

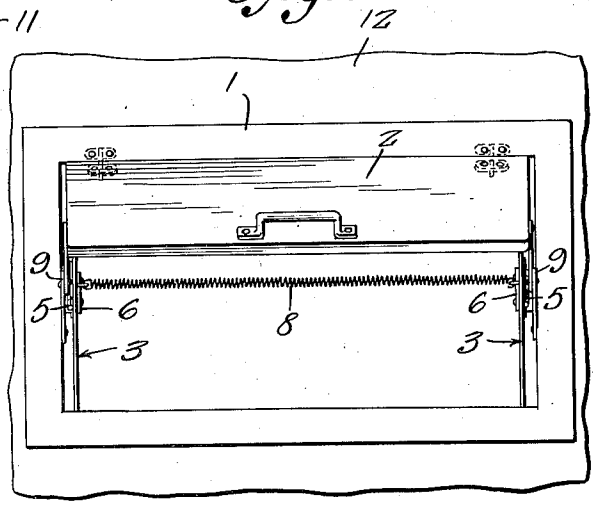


Fig. 3.

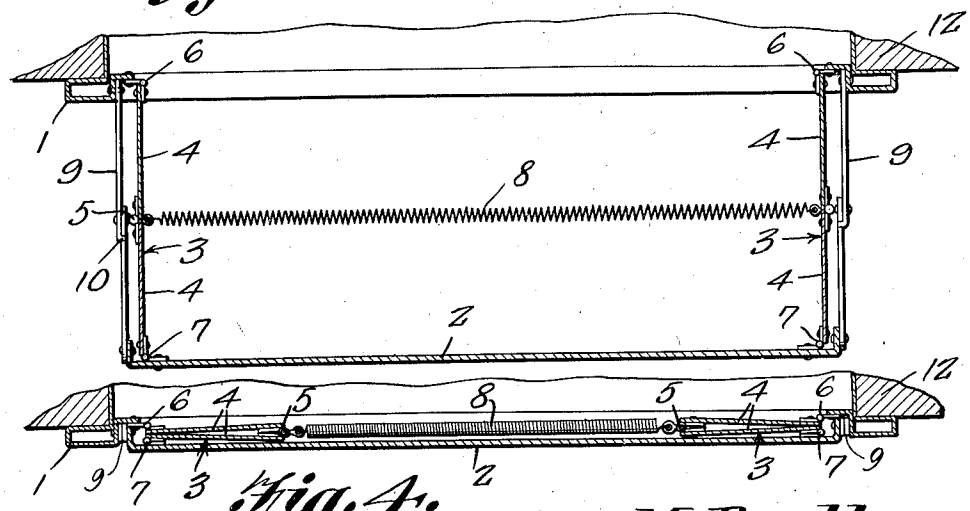


Fig. 4.

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WITNESS

Patented July 20, 1937 2,087,833

UNITED STATES PATENT OFFICE

2,087,833

BUILT-IN VENTILATOR

Aline M. Boutte, New Iberia, La.

Application November 30, 1936, Serial No. 113,519

1 Claim. (Cl. 98—115)

This invention relates to ventilators especially adapted for domestic use and has for the primary object the provision of a device of this character which may be easily and quickly installed for carrying off heat, fumes and the like from a cooking stove or similar device and which may be readily adjusted to increase and decrease its ventilating action or closed when it is desired to discontinue ventilation.

With these and other objects in view, this invention consists in certain novel features of construction, combination and arrangement of parts to be hereinafter more fully described and claimed.

For a complete understanding of my invention, reference is to be had to the following description and accompanying drawing, in which

Figure 1 is a transverse sectional view illustrating a ventilator constructed in accordance with my invention and showing the same installed in a wall.

Figure 2 is a front elevation showing the ventilator in an open position.

Figure 3 is a horizontal sectional view showing the detail construction of the ventilator.

Figure 4 is a horizontal sectional view showing the ventilator closed.

Figure 5 is a fragmentary sectional view drawn on an enlarged scale showing one of the side walls in a folded position.

Referring in detail to the drawing, the numeral 1 indicates a frame which has hinged to the upper run thereof a plate-like member 2 of a size and shape which when in one position will completely close the frame 1. The member 2 can be swung outwardly and upwardly from the frame to extend partly over a stove or like device. Side walls 3 connect with the frame and the member 2 to cooperate with the latter in directing heat, fumes and the like rising from the stove towards the frame. The side walls 3 are composed of substantially triangular shaped sections 4 hinged to each other, as shown at 5, and one section is hinged to the frame, as shown at 6, and the other section hinged to the member 2, as shown at 7. The hinges permit said sections to fold when the member 2 is moved into a position for closing the frame and connected to the opposite side walls is a coil spring 8 for the purpose of causing said side walls to collapse when the member 2 is moved towards the frame 1. Sectional braces 9 are pivoted to the member 2 and to the frame and the sections of each brace are pivotally connected and equipped with a stop 10 for the purpose of preventing the braces when supporting the member 2 in an open position from collapsing or folding but which will permit the braces to fold when manual force is applied to the pivots thereof.

A flue 11 is connected to the frame 1 and may be positioned within a wall 12 and pass from said wall to the atmosphere. The flue may be capped, as shown at 13. The flue may be of any desired shape so that it can be placed in the wall.

A device of the character described may be manufactured at a very low cost and is easy to install and operate and when in an open position will effectively collect heat, fumes and the like passing from a stove and direct them to the atmosphere.

Having described the invention, I claim:

A ventilator comprising a frame, a flue connected to said frame, a plate-like member hinged to the frame, side walls hinged to the frame and to the plate-like member and each including sections hingedly connected, a spring connecting the side walls, and collapsible braces connected with the frame and the plate-like member for supporting the latter in a position to direct smoke or the like through the frame to the flue.

ALINE M. BOUTTE.