

May 11, 1926.

1,584,619

J. LLOYD

VENTILATING SYSTEM

Filed Oct. 23, 1925

2 Sheets-Sheet 1

Fig. 1.

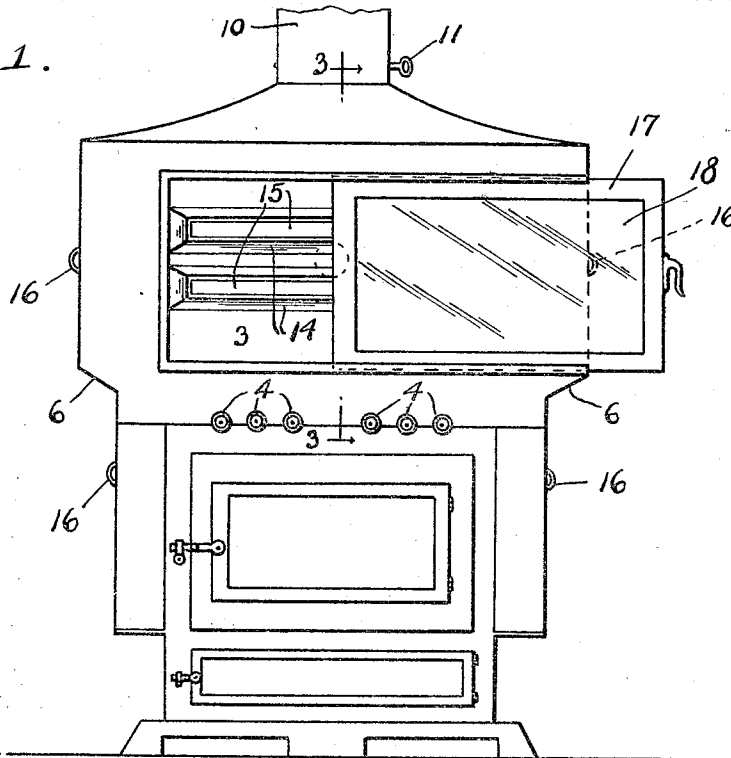
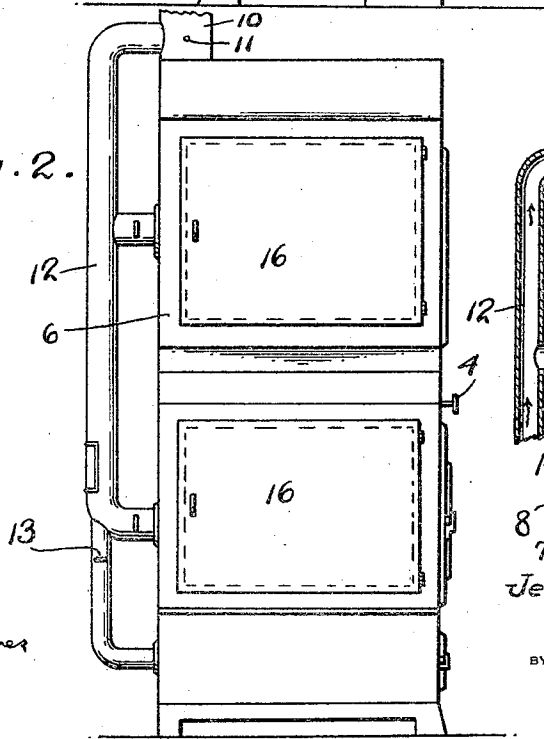


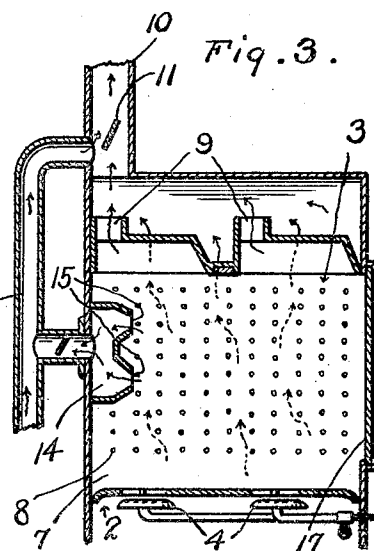
Fig. 2.



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WITNESS:

Fig. 3.



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Fig. 4.

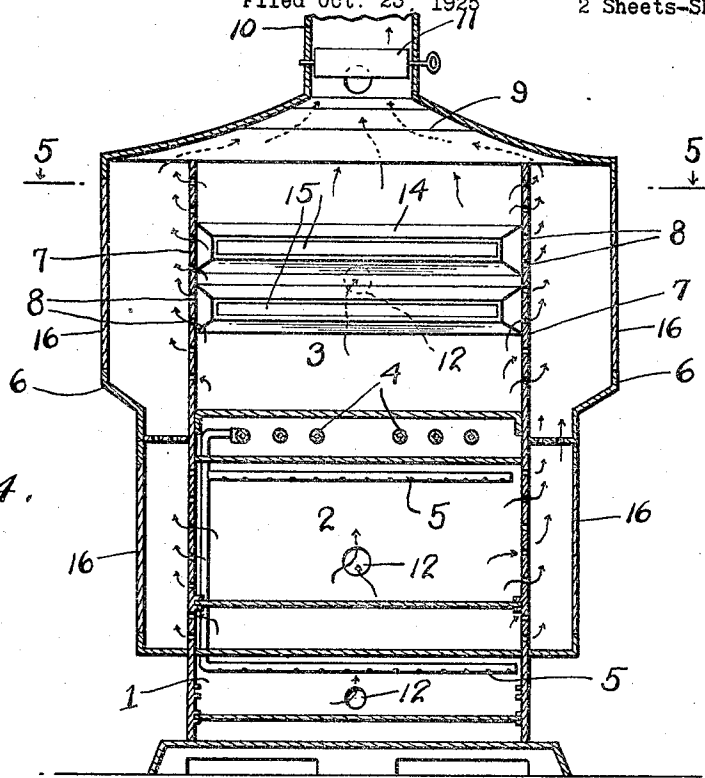
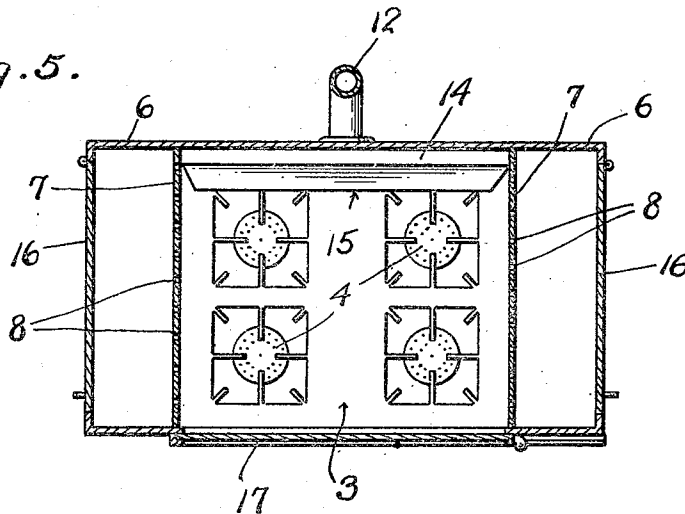


Fig. 5.



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UNITED STATES PATENT OFFICE.

JEROME LLOYD, OF BRYN MAWR, PENNSYLVANIA.

VENTILATING SYSTEM.

Application filed October 23, 1925. Serial No. 64,428.

This invention relates to improvements in stoves, the general object of the invention being to provide means for carrying off the odors of the articles or foods being cooked so as to prevent such odors from escaping into the room in which the stove is located.

This invention also consists in certain other features of construction and in the combination and arrangement of the several parts, to be hereinafter fully described, illustrated in the accompanying drawings and specifically pointed out in the appended claim.

In describing my invention in detail, reference will be had to the accompanying drawings wherein like characters denote like or corresponding parts throughout the several views, and in which:—

Figure 1 is a front view of the improved stove.

Figure 2 is a side view.

Figure 3 is a section on line 3—3 of Figure 1.

Figure 4 is a vertical section through Figure 2.

Figure 5 is a section on line 5—5 of Figure 4.

In these views, 1 indicates the broiler chamber, 2 the oven and 3 the main cooking chamber which is arranged above the main burners 4 of the stove. The burners for the chambers 1 and 2 are shown at 5. A casing 6 extends over the top of the stove and at each side thereof, the walls 7 which separate the side portions of the casing from the oven 2 and chamber 3 being provided with perforations, as shown at 8. The side portions of the casing communicate with the top portion by means of the ports 9 and the top portion is in communication with a pipe 10 which leads to a chimney or other point of exhaust. A damper 11 is arranged in this pipe. Pipes 12 connect the pipe 10 with the chambers 1,

2 and 3, these pipes also being provided with dampers 13 and the section of this pipe 12 which is in communication with the chamber 3 opens into a casing 14 which has slots 15 in its inner portion through which the vapors in the chamber 3 will pass into the box and thus escape into the pipes 12 and 10. The side portions of the casing are provided with doors 16 so that access can be had to these portions and the chamber 3 is provided with a door 17 in front which is formed with a transparent part 18.

From the foregoing it will be seen that odors from the food being cooked in the different parts of the device will escape into the casings and the pipes and will pass off through the pipe 10 into the chimney so that such odors will be kept from escaping into the kitchen or other room and thus said room will be kept free of odors.

It is thought from the foregoing description that the advantages and novel features of my invention will be readily apparent.

I desire it to be understood that I may make changes in the construction and in the combination and arrangement of the several parts, provided that such changes fall within the scope of the appended claim.

What I claim is:—

In a stove, a casing having side portions in communication with the cooking spaces of the stove and a top portion in communication with the side portions, a chimney pipe connected with the top portion, a damper in the chimney pipe, down pipes connected with the chimney pipe, branches connecting the down pipes with the cooking spaces of the stove, and a casing in one of the cooking spaces of the stove and with which the branch pipe is connected.

In testimony whereof I affix my signature.

JEROME LLOYD.