No. 638,924. Patented Dec. 12, 1899.

H. J. HALM.

ATTACHMENT FOR COOKING STOVES.

(Application filed May 8, 1899.)

(No Model.) 2 Sheets—Sheet 1.

Fig. 1.

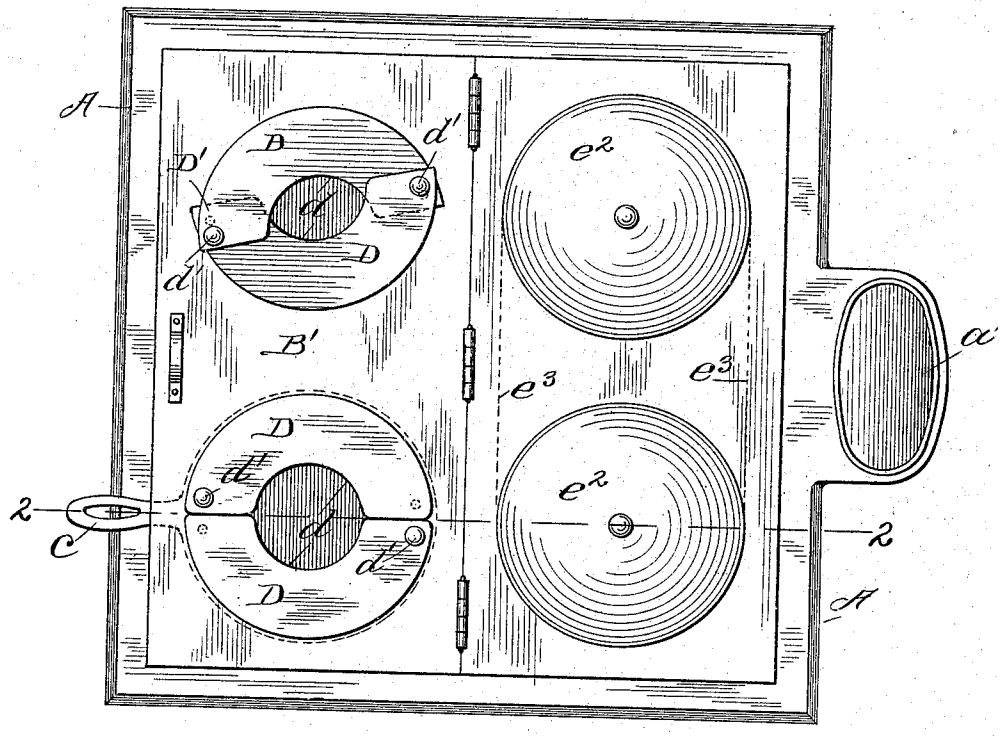


Fig. 3.

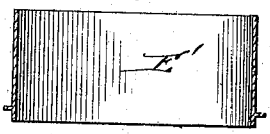
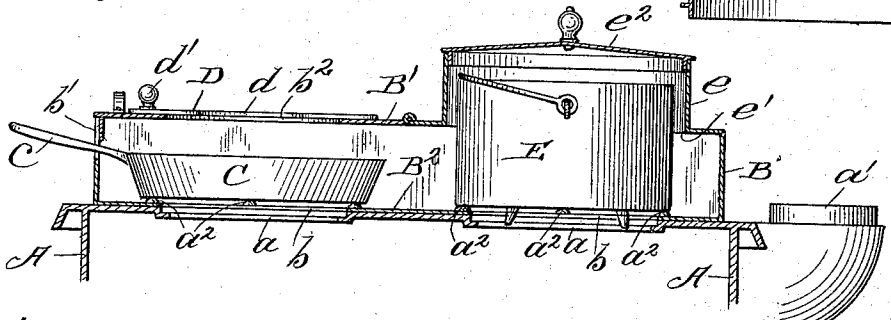


Fig. 2.



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Fig. 4.

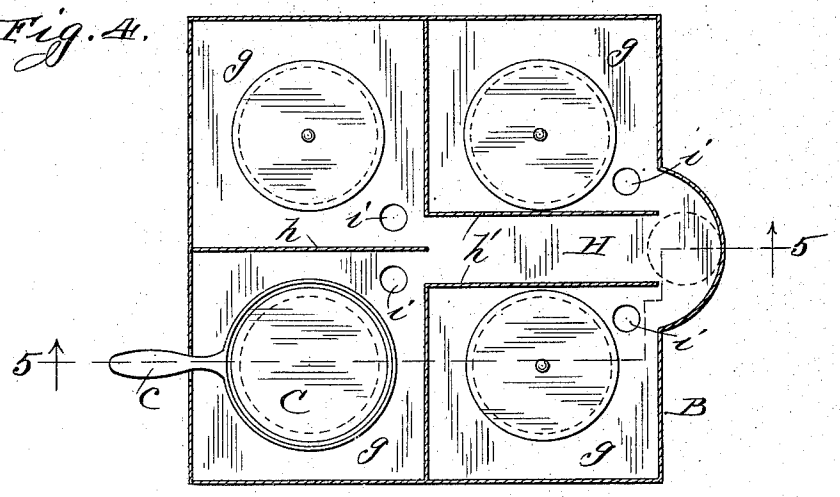
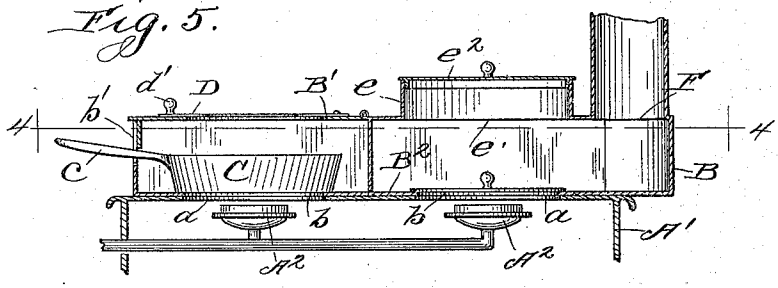


Fig. 5.



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UNITED STATES PATENT OFFICE.

HENRY J. HALM, OF PERU, ILLINOIS.

ATTACHMENT FOR COOKING-STOVES.

SPECIFICATION forming part of Letters Patent No. 638,924, dated December 12, 1899.

Application filed May 8, 1899. Serial No. 716,017. (No model.)

To all whom it may concern:

Be it known that I, HENRY J. HALM, of Peru, in the county of La Salle and State of Illinois, have invented certain new and useful Improvements in Attachments for Cooking-Stoves, of which the following is a specification.

My invention relates to improvements in an appliance or attachment to be used on either gas or gasolene or wood or coal cooking-stoves; and it consists in certain peculiarities of the construction, novel arrangement, and operation of the various parts thereof, as will be hereinafter more fully set forth and specifically claimed.

The object of my invention is to provide means whereby the smoke and odor arising from the cooking vituals as well as from the gas or gasolene may be carried into the stove or out of the stovepipe, thus preventing its escape into the room.

In order to enable others skilled in the art to which my invention pertains to make and use the same, I will now proceed to describe it, referring to the accompanying drawings, in which—

Figure 1 is a plan view of the stove with my attachment or appliance in place thereon. Fig. 2 is a cross-sectional view of the attachment and upper portion of the stove, taken on line 2 2 of Fig. 1. Fig. 3 is a central sectional view of a removable sleeve or collar. Fig. 4 is a plan sectional view taken on line 4 4 of Fig. 5, showing the construction of the attachment or appliance when used on gas or gasolene stoves; and Fig. 5 is a cross-sectional view taken on line 5 5 of Fig. 4.

Similar letters refer to like parts throughout the different views of the drawings.

A represents a stove of the ordinary or any preferred construction, which is provided as useful with openings a in its top and with an outlet a', to which the stovepipe may be secured. Located on the upper surface of the stove is my attachment or appliance, which is box-like in shape and has in its bottom openings b to register with the openings a in the top of the stove. As shown in Figs. 1 and 2 of the drawings, the box or casing B is provided in its front portion with openings b' for the reception of the handle c of the frying-pan or spider C or other cooking utensil. The upper portion of the casing B is provided with a hinged door B′, which is formed with openings b^2 directly over the openings b in the bottom of the casing. Pivotally secured to the hinged door B′ in pairs are shutters D, which are substantially semicircular in form and have semicircular openings d in their adjacent edges. Each of these shutters is provided with a knob or handle d' to be used for turning the same on its pivot, and, as shown in Fig. 1 of the drawings, the said shutters are preferably pivoted at their opposite ends, so that one may overlap the other, as at D′, (see Fig. 1,) thus decreasing the size of the openings formed in their adjacent edges. The rear portion of the casing B is provided on its upper surface with annular flanges e around the openings e' therein to accommodate vessels, such as boilers E or pots or kettles.

Located on top of the flanges e are covers e^2 of the ordinary construction. The floor B′ of the box or casing B is provided at the edge of the openings b therein with upwardly-extending projections a^2, on which the bottom of the vessel will rest, and thus be held a slight distance from the floor of the casing and permit the odors to pass into the stove through the openings a therein and out through the outlet a' and stovepipe. Instead of forming the rear upper portion of the casing with two flanges e around the openings therein I may form it with one opening only and of an oblong or oval shape, as shown by dotted lines at e^3 in Fig. 1 of the drawings, and place therearound a flange. When so constructed, it is especially adapted for the reception of large washboilers, and to accommodate the depth of the boiler or other vessel I may place on the flange or flanges e a sleeve or collar E′, having both of its ends open, as shown in Fig. 3 of the drawings, the upper end of said sleeve being closed when desired by means of a suitable cover.

When using my attachment or appliance on a gas or gasolene stove A′, which may be provided with burners A^2, (see Fig. 5,) the same construction of the casing B may be employed, with the exception that the lugs or projections a^2 on the floor thereof may be omitted and the rear portion of the casing provided with an outlet-pipe F for the pas-

sage of smoke and odors. As the vessels in this construction fit the openings *b* closely, so that the odors cannot pass downward, it is necessary to furnish the box or casing with a pipe F for the outlet of the smoke and odors, and to prevent the odors arising from one vessel being absorbed by the food in another vessel I divide the casing into a number of compartments *g* by means of partitions *h* and *h'*, which extend to the top of the casing, but are so arranged (see Fig. 4) as to have a common opening or conduit H leading to the outlet-pipe F, which may communicate with a chimney. The floor B' of the casing when used for a gas or gasolene stove is provided with a number of openings *i* for the passage of smoke from the burners.

Having described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The combination with a casing, having openings in its bottom to register with the openings in the top of the stove, and openings in its top above the openings in its bottom, a hinged door on the casing, provided with openings, shutters pivotally secured near the openings in the door to decrease the size thereof, substantially as described.

2. The combination with a casing, having means to permit the smoke and odor to pass to the stovepipe, and provided with openings in its bottom to register with the openings in top of the stove and openings in its top above the openings in its bottom, a door hinged on the casing and provided with openings, shutters pivotally secured near the openings in the door to decrease the size thereof, substantially as described.

3. The combination with a casing having a series of compartments communicating with a common passage leading to the outlet, the said casing having openings in its floor to register with the openings in the stove and openings in its top above the openings in the floor, substantially as described.

4. The combination with a casing having a series of compartments communicating with a common passage leading to the outlet, the said casing having openings in its floor to register with the openings in the stove and openings in its top above the openings in the floor, a door hinged to the upper part of the casing and provided with openings, shutters pivotally secured near said openings to decrease the size thereof, substantially as described.

HENRY J. HALM.

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