C. LABERGE.

ATTACHMENT FOR GAS RANGES.

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Fig. 2.

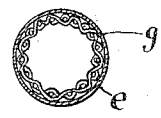


Fig. 1.

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UNITED STATES PATENT OFFICE.

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ATTACHMENT FOR GAS-RANGES.

1,192,078. Specification of Letters Patent. Patented July 25, 1916.

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To all whom it may concern:

Be it known that I, CHARLES LABERGE, a citizen of the United States, residing at Westbrook, in the county of Cumberland and State of Maine, have invented certain new and useful Improvements in Attachments for Gas-Ranges, of which the following is a specification.

My invention relates to an attachment for gas stoves for the purpose of condensing and dissipating the fatty vapors which come from the oven.

The air from the oven laden with vaporized fat ascends in a compact stream from the ventilating opening connecting with the oven when the latter is being used for cooking meat and when the opening is adjacent to the kitchen wall, as it frequently is, a vertical stain is produced on the wall which soon spoils the paper or other wall covering.

The object of my invention is to condense a portion of the fatty material from the oven gases and to dissipate the balance so that it will not move in a concentrated stream and will not consequently form localized deposits on the walls.

My invention consists essentially of a tube or pipe applied to the oven ventilating flue, closed at the top and provided with a series of holes at the front portion for directing the escaping gases forward over the body of the stove and away from the wall.

The pipe is preferably lined with a woven wire netting which serves to condense and collect much of the fat which is carried in vaporized form in the escaping oven gases.

My invention may best be understood by reference to the accompanying drawing in which—

Figure 1 is a side elevation partly in section of the upper portion of a gas stove showing my attachment in position and Fig. 2 is an enlarged section on the line x x of Fig. 1.

Referring to the drawing a represents the upper portion of a gas range of any construction and b is the oven having a ventilating flue c terminating in a nipple d. Connected to the nipple d is a short section of pipe e closed at its upper end by a cap e^2. The pipe is provided with a series of holes e' extending along the front and sides the rear portion of the pipe being left imperforate. These holes taken together are preferably somewhat more than the area of the ventilating flue so that the oven gases will pass freely through them and be dissipated in various directions generally passing forward over the body of the range and being carried upward and diffused by the heated air rising from the stove. The pipe is provided with a damper f and it is lined with wire netting g through which the gases must pass before reaching the holes e'. The wires of the netting collect and concentrate a considerable quantity of the fat contained in the heated gases from the oven.

An attachment for gas ranges made according to my invention is simple and inexpensive to make and not only saves the walls of the kitchen but it anables the operator to regulate the heat of the oven and the distribution of the same therein by the use of the dampers.

I claim:

1. An attachment for gas ranges having an oven ventilating flue near the rear of the range, said attachment consisting of a pipe or tube closed at the top and connected at the bottom with the flue and having a series of holes on the front side only for diffusing the oven gases through the ascending column of heated air rising from the range proper.

2. An attachment for gas ranges having an oven ventilating flue near the rear of the range said attachment consisting of a pipe or tube closed at the top and connected at the bottom with the flue and having a series of holes on the front side only for diffusing the oven gases through the ascending column of heated air rising from the range proper and having a lining of woven netting.

In testimony whereof I have affixed my signature.

CHARLES LABERGE.