

T. & J. C. PEACOCK.
Gas Cooking-Apparatus.

No. 157,865.

Patented Dec. 15, 1874.

Fig. 1.

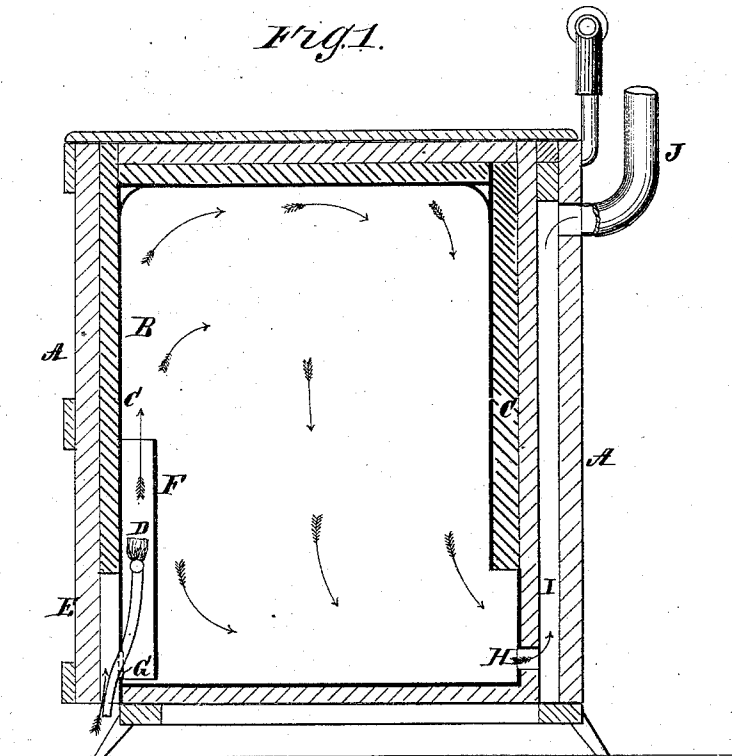


Fig. 3.

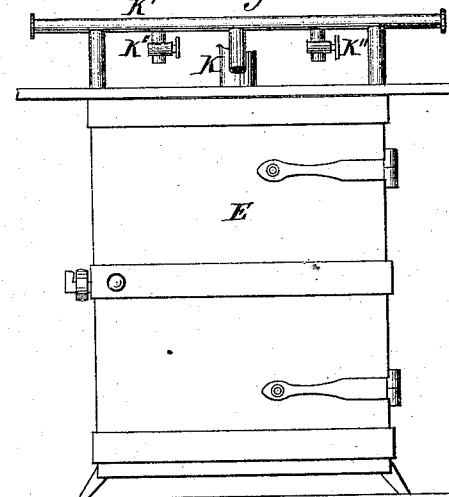
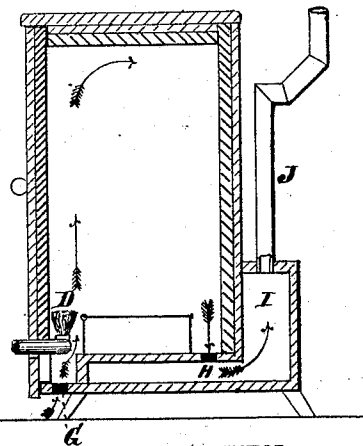


Fig. 2.



WITNESSES:

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UNITED STATES PATENT OFFICE.

THOMAS PEACOCK, OF WOOD GREEN, AND JOHN C. PEACOCK, OF
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IMPROVEMENT IN GAS COOKING APPARATUS.

Specification forming part of Letters Patent No. **157,865**, dated December 15, 1874; application filed
October 7, 1874.

To all whom it may concern:

Be it known that we, THOMAS PEACOCK, of Wood Green, in the county of Middlesex, England, and JOHN C. PEACOCK, of Finsbury Park Road, in the county of Middlesex, England, have invented a new and useful Improvement in Gas Cooking Apparatus; and we do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing forming a part of this specification, in which—

Figures 1 and 2 are sectional, and Fig. 3 a front elevation.

The invention will first be fully described, and then pointed out in the claims.

A represents external casing; B, internal metallic casing; C, packing of non-conducting material. The packing need not extend farther than within six inches from the bottom of the cooking-chamber. The gas-jets D are fitted to the door E (such door having internal and external casing) with packing as the body of the apparatus, and are inclosed in a case, F, open at the top. The space between the outer and inner casings of the door for about six inches from the bottom is not packed, and is open to exterior air at the bottom. Through this channel, and through holes G in the internal casing of the door, the air to support combustion is conveyed to the gas-jets D, and the heated products circulate all round the oven, and finally make their exit, cooling as they descend through holes H into the flue I to chimney J. The back of the apparatus is formed with a double casing, with intermediate space I, forming the flue. The

gas to the jets is conveyed by a suitable pipe; but we prefer to fit to our apparatus an arrangement of pipes, K. The pipe K' is for the inlet of gas, the outlets being fitted with taps K''. The fresh air may travel to the burners through a space formed between a true and false bottom of the oven, and, after circulating through the oven, pass out through an opening left under the door of the apparatus. We may also dispense with the covering F for the gas-flame, and allow the heated products of combustion to pass out at bottom of oven, thence into a box or chamber up to the discharge-flue. We may also form, under the bottom of oven, a space in which plates may be warmed.

Having thus described our invention, what we claim as new is—

1. The combination, on the inside of cooking apparatus, with the burner D, of the case F, open at top and connected with an air-inlet at the bottom, as and for the purpose described.

2. The combination, with burner-case F, to discharge hot air into the upper part of chamber, of the discharge-flue I, having the bottom aperture H to receive the air, the heat of which has been abstracted, as set forth.

The above specification signed by us this 30th day of April, 1874.

THOMAS PEACOCK. [L. s.]
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