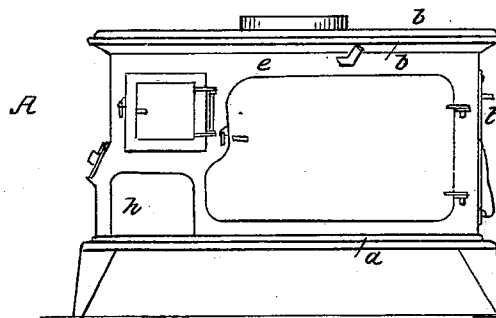
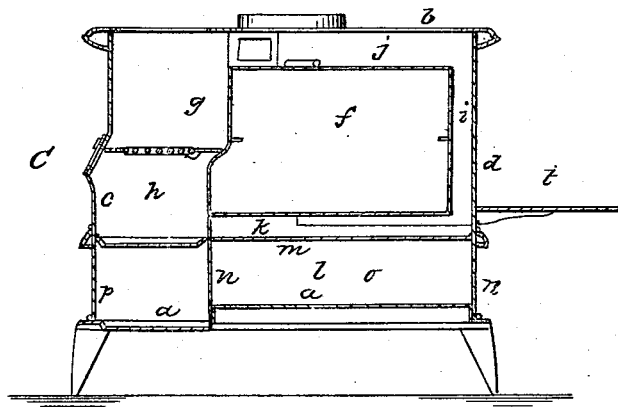
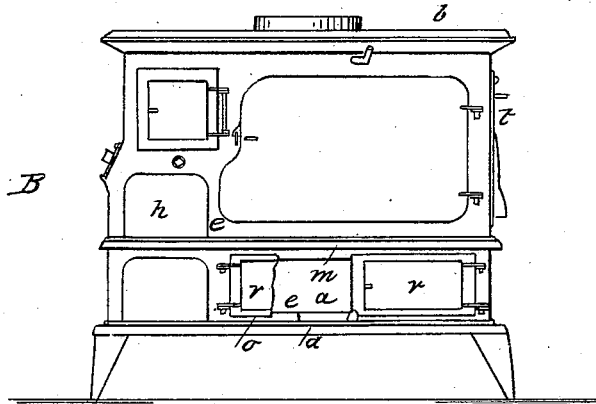


G. W. WALKER.

Cooking Stove.

No. 108,852.

Patented Nov. 1, 1870.



Witnesses

J. B. Hilder

M. W. Frothingham.

George W. Walker Inventor

by his attys

Crosby Halsted & Gould

UNITED STATES PATENT OFFICE.

GEORGE W. WALKER, OF MALDEN, MASSACHUSETTS.

IMPROVEMENT IN COOKING-STOVES.

Specification forming part of Letters Patent No. **108,852**, dated November 1, 1870.

To all whom it may concern:

Be it known that I, GEORGE W. WALKER, of Malden, in the county of Middlesex and State of Massachusetts, have invented Improvements in Cooking-Stoves; and I do hereby declare that the following, taken in connection with the drawing which accompanies and forms part of this specification, is a description of my invention sufficient to enable those skilled in the art to practice it.

My invention relates to the construction of cooking-stoves, with particular reference to the disposition of a hot-closet directly beneath the oven or oven-flues, and between the oven or its flues and the main bottom plate of the stove.

The principal object of my improvement is the adaptation of the plates of a common stove to the reception of a removably-attached hot-closet, so that the same stove may be made and set up either with or without the closet, it being converted from a plain stove to one with a closet by simply detaching the main stove-body from its bottom plate, and raising it up and introducing between it and the bottom plate the hot-closet, the plates of which fit to the plates of the stove, so that, to all appearance, the closet forms an integral part of the stove.

The drawing represents a stove embodying my improvements.

A shows the common stove in front elevation. B a similar elevation, the hot-closet being added. C is a vertical longitudinal section. *a* denotes the bottom plate; *b*, the top plate; *c* *d*, the end plates; and *e* the front plate of the main stove or stove-body, the bottom plate *a* being extended in front to form a hearth-plate. *f* denotes the oven; *g*, the fire-pot; and *h*, the ash-pit.

Over the oven is a flue-space, *j*, and at the back and under the oven are the oven-flues *i* and *k*, the bottom of the oven forming the top plate of the flues *k*, while, when the stove is set up without the closet, the bottom plate of the stove forms the bottom plate of the oven-flue.

l denotes the hot closet or chamber, made with a top plate, *m*, end plates *n* *n*, and front and rear plates *o* *o*, connected together, the

plates *o* *o* being extended to the end of the stove, and having a vertical cross-plate, *p*, that forms, with the end plate *e*, the end of the stove, the two adjacent plates *u* *p* and plates *o* *o* forming an ash-chamber beneath the main ash-pit *h*.

At the front of the hot-closet are suitable doors, *r*, and the bottom plate *a* of the stove constitutes the bottom plate of the closet, said plate *a* being raised, as seen at C, so as to form a frame, around which the vertical plates of the closet or those of the main stove-body fit, and also so that the bottom plate may be brought up flush with the top of the front plate *o*, below the opening controlled by the doors *r*, constituting a floor, over which dishes may be slid directly into and from the closet without employing a plate-rack.

It will be observed that there are no hot-air spaces around the closet, the oven-flue over it being its only source of heat, except from radiation of heat from the main stove-plate, it being desirable that the closet shall be susceptible of being heated only to a very slight degree.

It will also be observed that the addition of the closet does not in the least detract from the general appearance of the stove, all its outer plates being flush with the main stove-plates except at the front end, and an auxiliary plate being there used, which gives a finish to the end of the stove and secures a sifting-chamber, into which the ashes may be screened from the coal in the ash-pit.

As before stated, I prefer to make this closet separable from the main stove, so that it may be arranged between the oven and bottom plates, as seen at B and C, or removed therefrom, or the stove be set up without the closet, as circumstances may render desirable.

The top of the oven is made with a bead extending around it, within which bead the bottom edges of the stove-plates sit, as seen at C.

Against the end plate *d* of the stove is a swing or hinged shelf, *t*, jointed to the plate *d*, so that it may be held up against it, as seen at C, or may be thrown down and supported in horizontal position, as seen at B, if

serving as a shelf when down, and to prevent radiation of heat from the plate *d* when fastened against it.

I claim—

In combination with the main stove or stove-body, the removable hot-closet, arranged as described, when at the end of such closet, and

separated therefrom by a wall, *n*, is an ash-pit space, located under the main ash-pit *h*, substantially as shown and described.

GEO. W. WALKER.

Witnesses:

CHARLES H. TUNTISS,
CHAS. M. CARTER.