

N. O. BOND.

Cooking Stove.

No. 123,225.

Patented Jan. 30, 1872.

Fig. 1.

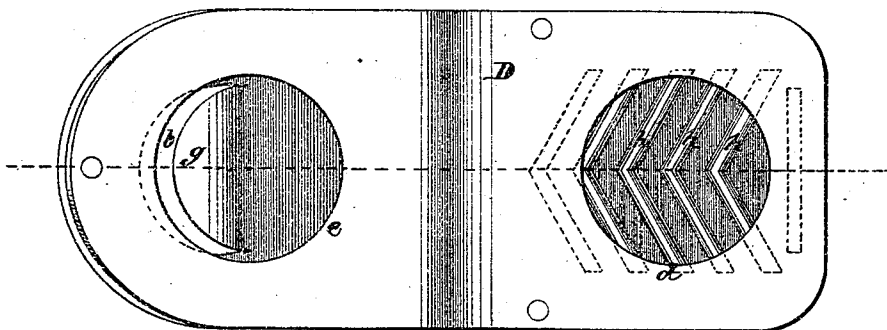
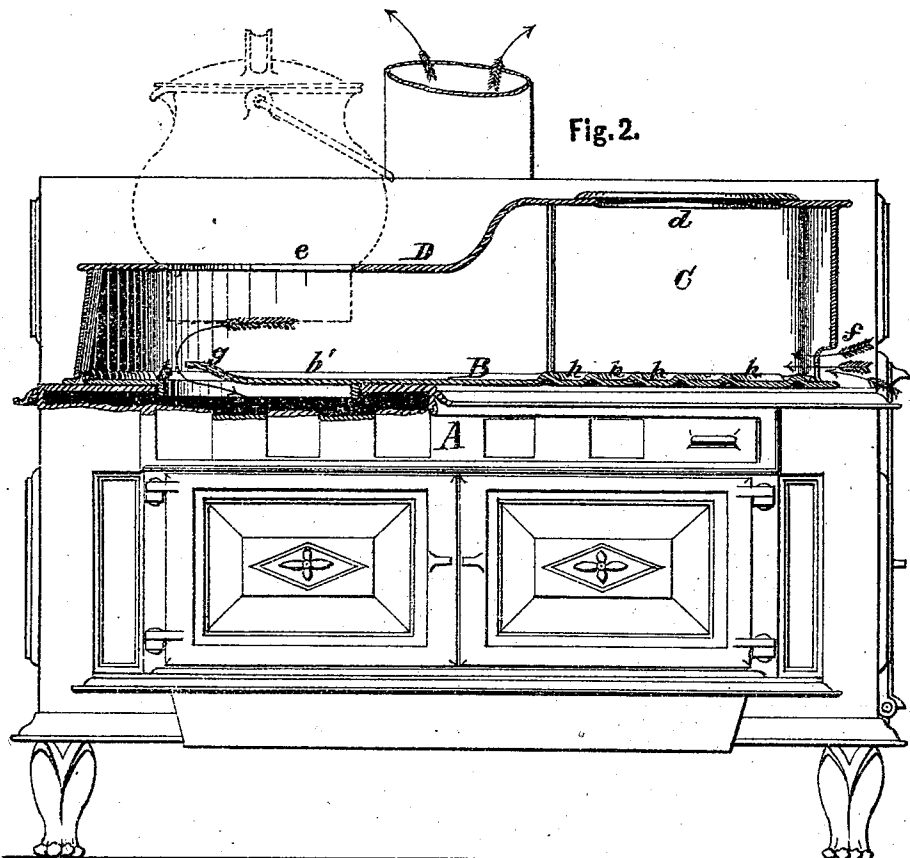


Fig. 2.



WITNESSES.

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NATHAN O. BOND, OF FAIRFAX COURT-HOUSE, VIRGINIA.

IMPROVEMENT IN COOKING-STOVES.

Specification forming part of Letters Patent No. 123,225, dated January 30, 1872.

Specification of an Improved Cooking Attachment for Stoves for summer use, invented by NATHAN O. BOND, of Fairfax Court-House, in the county of Fairfax and State of Virginia.

The subject of this invention is a cooking-stove furnace or attachment adapted to be applied to the top of an ordinary cooking-stove, and to perform a moderate amount of cooking with a very small expenditure of fuel. The details of the invention are hereinafter set forth.

Figure 1 of the drawing is a plan view of the attachment. Fig. 2 is a vertical longitudinal section of the same applied to a cooking-stove.

A may represent a cooking-stove of any suitable form having common holes on top for reception of cooking vessels. B represents the bottom. C the sides, and D the top of my summer furnace. The bottom B is made with a single opening, *b*, to fit over one of the stove-holes, and the opening *b* is preferably surrounded by a flange, *b'*, to fit within the said hole in the stove. The top D of the furnace is provided with two openings, *d e*, in one of which a stove-cover may be placed, or one, or both of them, may receive cooking vessels. *f* is a draught aperture in the front end. *g* represents a deflector, which I prefer to apply over or within the opening *b*, to cause the heated gases to pass more fully in contact with a tea-kettle or cooking-vessel, which may be set in the opening *e*. This deflector may project above the surface of the bottom B, as shown in the drawing; but when the furnace is of moderate height, I prefer the part *g* to be in the common plane of the bottom so as to avoid obstructing the draught—the opening *b* being made of any necessary capacity. *h h* are ridges formed in the bottom B to allow a

draught under the fuel. The entire furnace may be cast in two pieces at moderate expense.

In operation, a fire is made in the furnace by introducing a small quantity of kindling wood, charcoal, or other light fuel through the opening *d*. The openings *d* and *e* and all the inlets to the stove being now closed an active draught will be caused through the furnace, and owing to the proximity of the fire to the cooking vessels any necessary amount of cooking for a private family may be performed with trifling expenditure of fuel and without any considerable radiation of heat.

One great advantage in my improved furnace is that the draught is almost horizontal instead of being in a downward direction, as is the case with most devices of this class.

When used upon the front part of a common flat-top cooking-stove, enough heat will be communicated to a cooking vessel set in the stove-hole in the rear of the opening *b* to warm any article of food.

I claim as my invention—

1. The furnace B C D, constructed as herein described, to adapt it for use upon the top of a cooking-stove, to receive one or more cooking-vessels on top and to take the draught horizontally through an opening, *f*, at one end, all substantially as and for the purposes set forth.

2. I claim the combination of the openings *f* and *b*, and deflector *g*, in a summer furnace, arranged to operate, substantially as and for the purposes set forth.

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Witnesses:

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