

(No Model.)

G. F. FILLEY.
Cooking Stove.

No. 237,100.

Patented Feb. 1, 1881.

Fig. 1.

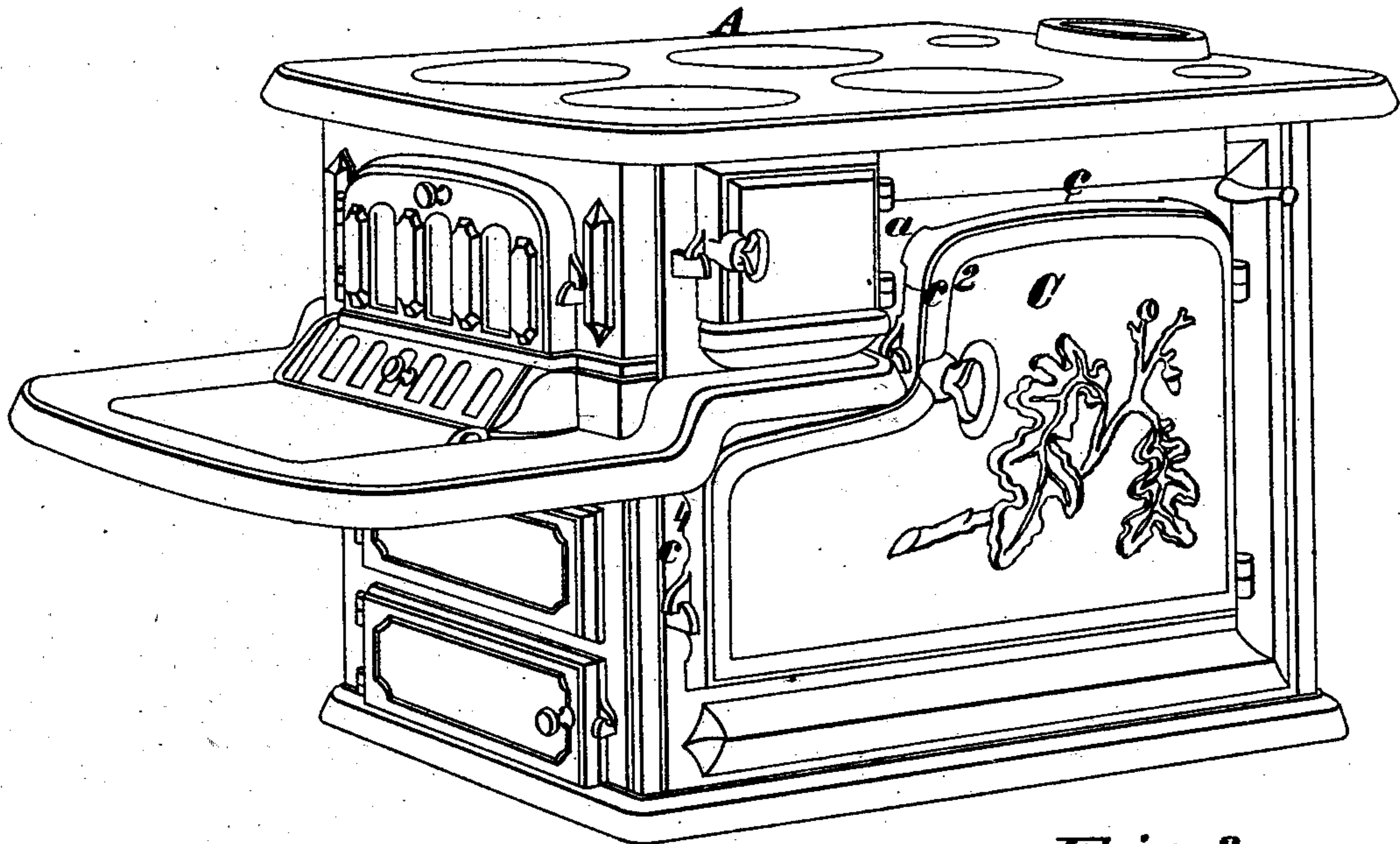


Fig. 2.

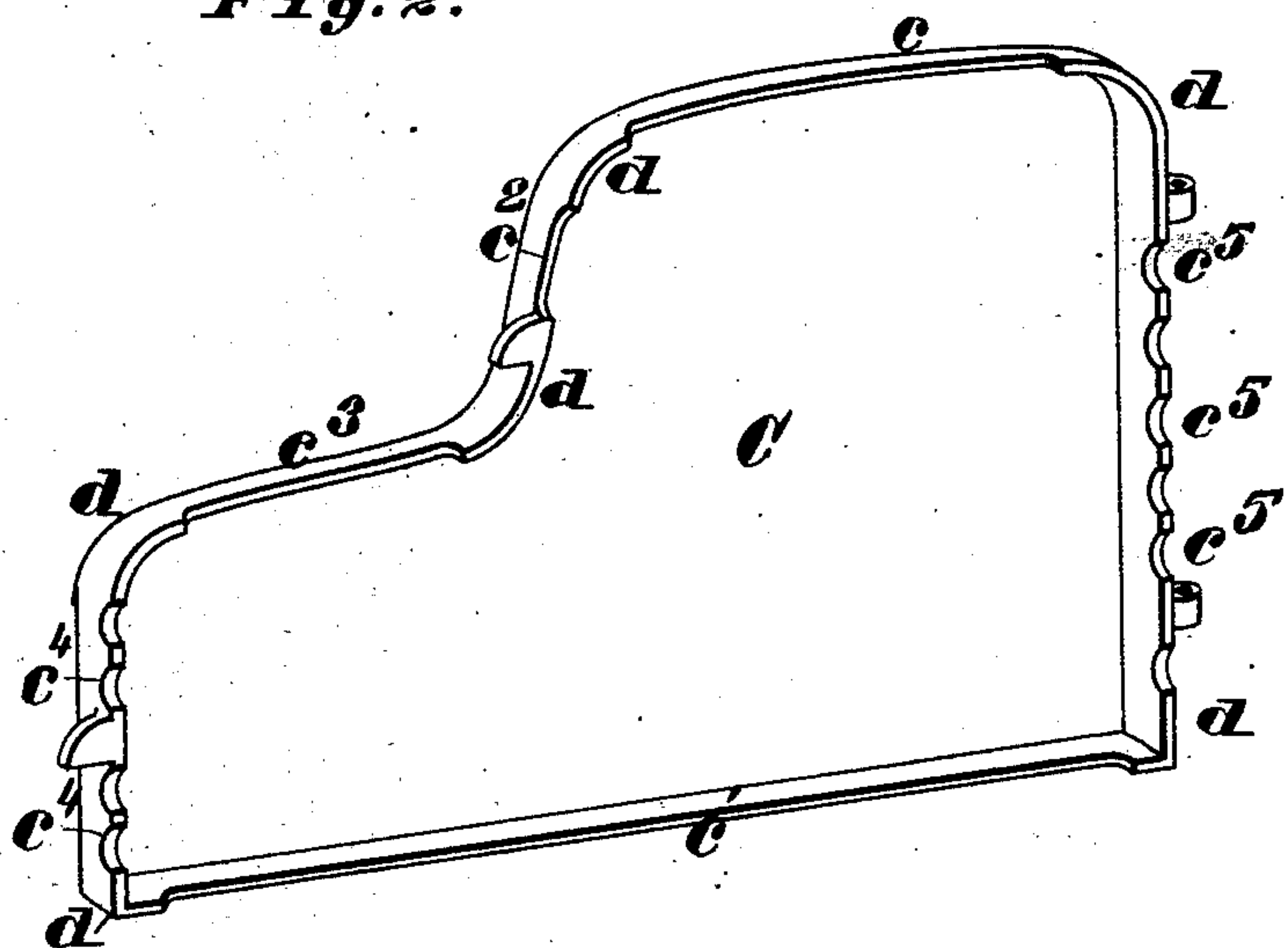
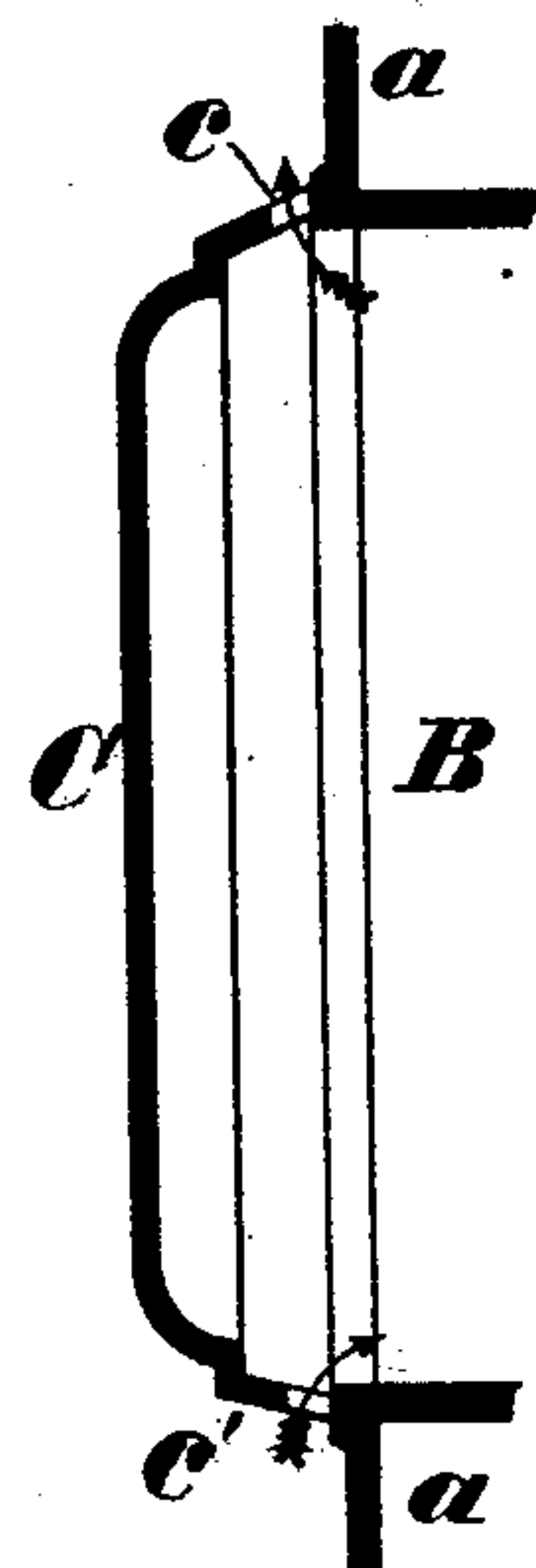


Fig. 3.



Attest:
Charles Pickles
Solon W. Dapp

Inventor:

Giles F. Filley
by *C. D. Moody*
att'y.

UNITED STATES PATENT OFFICE.

GILES F. FILLEY, OF ST. LOUIS, MISSOURI.

COOKING-STOVE.

SPECIFICATION forming part of Letters Patent No. 237,100, dated February 1, 1881.

Application filed December 6, 1880. (No model.)

To all whom it may concern:

Be it known that I, GILES F. FILLEY, of St. Louis, Missouri, have made a new and useful Improvement in Cooking Stoves and Ranges, of which the following is a full, clear, and exact description, reference being had to the annexed drawings, making part of this specification, in which—

Figure 1 is a view, in perspective, of a cooking-stove having the improvement; Fig. 2, a detail, being a view, in perspective, from the inner side of the oven-door; and Fig. 3, a vertical cross-section taken through the oven-door, and showing the adjoining portion of the side plate of the stove and roof and bottom of the oven.

The same letters denote the same parts.

I have heretofore made an improvement in cooking stoves and ranges by means of which openings are provided in the oven door or doors, and the outer air is thereby enabled to pass directly into and out of the oven during the cooking.

The present improvement provides another means for passing the air into and out of the oven, and having this advantage, that it enables the air to be introduced into the oven at the lowest level therein, and to be discharged from the oven at the highest level therein, a condition favorable to the air-circulation and to the thorough changing of the atmosphere within the oven.

The improvement can also be readily introduced into any of the ordinary stoves or ranges.

It consists in cutting away portions of the edges of the oven door or doors, thereby providing openings between the door or doors and

the side plate of the stove or range through which the air can circulate.

The openings can be confined to the top and bottom of the door, or they may be at the top, bottom, and sides of the door, or otherwise, as desired; and they may be continuous openings, forming thereby, when the door is closed, slits between the door and side plate, or the edge of the door may be scalloped, forming a series of openings between the door and side plate; and in place of cutting away the edge of the door the side plate of the stove or range may be cut away where the door comes against it.

A desirable mode of carrying out the improvement is shown in the drawings, where A represents a stove having the improvement, and which, saving the improvement, may be any of the ordinary forms of stoves and ranges. B represents the oven, and C the oven-door. The latter is cut away at *c c'*, thereby forming extended narrow openings at the top and bottom of the oven B, between the door and the side plate, *a*, through which openings the air circulates, as indicated. Other portions of the door may be removed, as at *c² c³ c⁴ c⁵*, forming additional air-passages, as desired. The door, at suitable points, *d d d*, bears against the side plate, *a*.

I claim—

A cooking stove or range having an opening or openings between the oven-door and side of the stove or range, for the purpose described.

GILES F. FILLEY.

Witnesses:

C. D. MOODY,
CHARLES PICKLES.