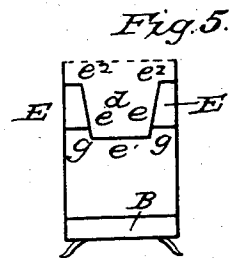
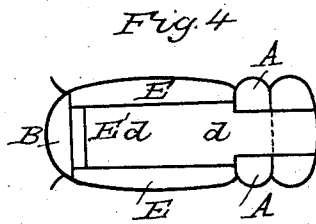
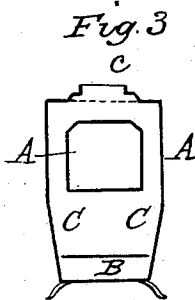
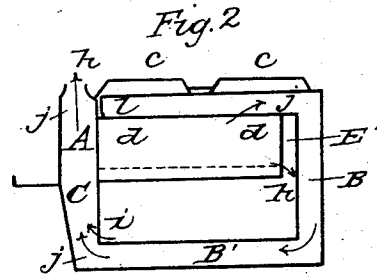
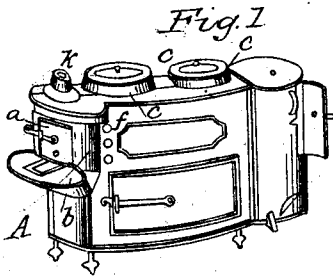


J. L. MOTT.
Cooking Stove.

No. 930.

Patented Sept. 19, 1838.



UNITED STATES PATENT OFFICE.

JORDAN L. MOTT, OF NEW YORK, N. Y.

MODE OF CONSTRUCTING COOKING-STOVES.

Specification of Letters Patent No. 930, dated September 19, 1838.

To all whom it may concern:

Be it known that I, JORDAN L. MOTT, of the city of New York, State of New York, have invented certain Improvements in the
5 Manner of Constructing Stoves for Cooking; and I do hereby declare that the following is a full and exact description thereof.

My improved stove, in its general construction resembles the well known nine plate stove, but instead of placing the fire below the oven, as is usually done in the nine plate stoves, it is placed above it; the chamber of combustion being between the
10 top plate of the oven and the upper, or top plate of the stove; I am aware that the placing of the fire above the oven is not in itself new, and taken alone I do not therefore present this as constituting any part of my invention, but I have in this stove so combined
15 and connected the fire place, so located, with the other parts of the stove, as to give to the whole an operation essentially new.

In the accompanying drawings Figure 1, represents the general appearance of the stove, in perspective. Fig. 2 is a vertical section through the stove, from front to back, and near to one of its sides so as to pass through a flue A, situated by the side
25 of the door opening into the chamber of combustion. Fig. 3, is a vertical section from side to side, near the front, so as to pass through both of the flues A A, one of which is on each side of the fire place door *a*,
30 Fig. 1. Fig. 4 is a horizontal section at, or a little above, the plane of the hearth *b*, Fig. 1. Fig. 5, is a vertical section across the stove, between the boiler holes *c*, *c*, Fig. 1.

The fire which is intended to be of wood, is made in the fire box or chamber *d*, *d*, the sides C, C, Fig. 5, the bottom *e*, the flanches or ledges *e*², *e*², and the back end of which are cast in one entire piece, and it extends from the door *a* Fig. 1, to the hot air flue E¹
40 Fig. 2, the ledges C², C² resting upon projections on the side plates; this casting the fire box in one entire piece, secures it against the danger of warping, and prevents the falling of ashes into the oven. On each side
45 of the fire box there is a hot air chamber, or flue within which air is to be heated, which is admitted into these chambers through openings in the side plates, as at L, L, Fig. 1. These chambers are shown in the section
50 at E E, Fig. 5, and at E, E, Fig. 4. In Fig. 5, *g*, *g*, are plates which separate these air chambers from the oven, the same being rep-

resented by dotted lines in Fig. 2. There are openings at the rear ends of these air chambers through which the heated air
60 passes into the oven as indicated by the arrow *h*, and similar openings into the flue at the front of the stove, through which the air and vapor escapes from the oven, as indicated by the arrow *i*. The course of the
65 draft from the fire is indicated by the arrows *j*, *j*, *j*, that is to say it passes over the termination of the fire box, above the inclosed space E', which is open into the oven descending through the flue B, at the
70 back of the stove, returning under the oven along B' to the ascending flue C formed like B, and B', by double plates in the front, which extends as high as the hearth, or lap, of the stove only, and are continued there
75 through the flues A, A, on each side of the door *a*, to the smoke pipe, or exit flue, *k*, at the back end of the stove there is a close fitting door, or stopper which when open admits of the removal of ashes, &c., from the
80 lower flue. The same thing may be effected by making the lower plate of the oven removable. To allow of a direct draft from the fire into the escape flue, there is a valve at C, the effect of which will be ap-
85 parent.

D shows a tin oven by means of which roasting may be effected at the back of the stove.

Having thus fully described the mode of
90 constructing, and the operation of my improved cooking stove I do hereby declare that what I claim as of my own invention therein, and desire to secure by Letters Patent, consists—

1. In the making the bottom, sides, and, flanches, of the fire box in one single piece, for the purpose of preventing the warping of the plates, and the escape of ashes in the oven.
100

2. I claim the particular manner of conveying the draft around the oven, so as eventually to carry it up in front, on each side of the fire place door, in divided flues, in the manner set forth.
105

3. I claim the manner of constructing the air heating flues on each side of the fire box as described, in connection with the mode of admitting it into, and of allowing it to escape from the oven.

JORDAN L. MOTT.

Witnesses:

SAM. S. MOTT,
ALBERT STONE.