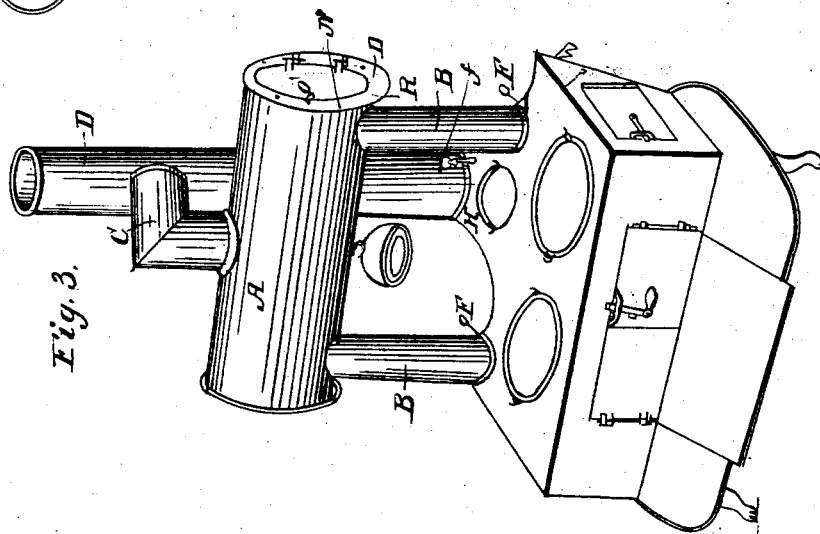
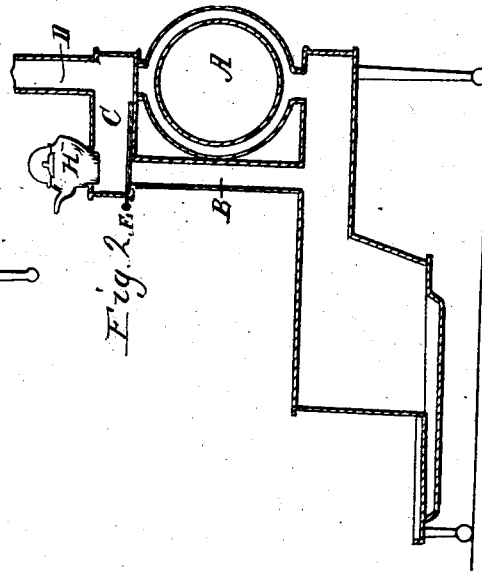
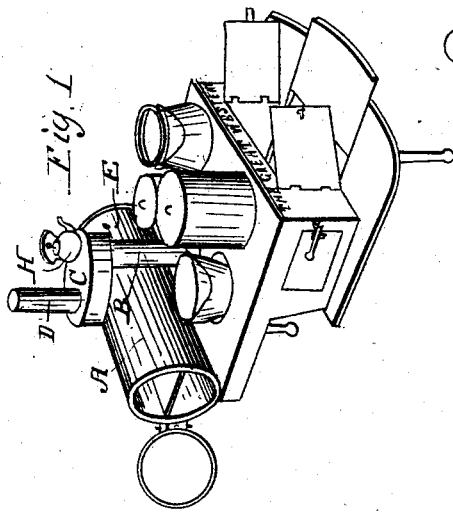


J. CROSS.
Cooking Stove.

No. 817.

Patented June 27, 1838.



UNITED STATES PATENT OFFICE.

JEFFERSON CROSS, OF EATON, NEW YORK.

COOKING-STOVE.

Specification of Letters Patent No. 817, dated June 27, 1838.

To all whom it may concern:

Be it known that I, JEFFERSON CROSS, of Eaton, in the county of Madison and State of New York, have invented a new and useful Improvement in Cooking-Stoves; and I do hereby declare that the following is a full and exact description.

My invention consists in the mode and manner of conveying the heat from and to the oven which is elevated above the stove from fourteen to eighteen inches and is of a cylindrical form about two feet four inches long as A, on the drawing which is from sixteen to eighteen inches in diameter lying horizontally and is made of sheet iron. It consists of a double cylinder one within the other with a space of about one inch between them in order that the fire and smoke may pass around the inner cylinder which constitutes the oven which has a door at each end attached to cast iron heads which closes the space between the two cylinders of the oven as N. The oven is supported on two pillars or pipes about one foot five or six inches length connected with the body of the stove at each end and with the oven at or near each end as B, B, which pipes convey the fire and smoke between the inner and outer cylinders of the oven from thence through a joint or elbow C. Situated at or near the center of the oven into the principal pipe D, which stands directly behind the oven the fire and smoke from the stove is conveyed by projecting the flue H. At or near the center lying horizontally

on the top of which the principal pipe stands at the outer end of the flue directly under the principal pipe there is a valve or damper *f* for the purpose of shifting the fire and smoke through the pipes or columns around the oven. When required there is also a valve or damper under each of the pipes or columns F, F, leading to the oven for the purpose of conveying the fire and smoke to and from the oven as occasion may require. There is a scraper that surrounds the inner cylinder of the oven; the handle or rod to which it is attached runs through one of the cast iron heads at or near the bottom of the oven R, for the purpose of cleaning the same from the soot and ashes which may be collected there.

What I claim as my improvement and desire to secure by Letters Patent in the above described stove and oven is—

The having means to alternately shift the heat from and to the oven as occasion may require which is done by adding and extending the flue, H, so far back of the oven as to have sufficient room for the principal pipe D, without interfering with the oven and by adding valves or dampers under each of the columns B, B, and under the principal pipe D, or at other given points which will answer the same purpose as above described.

JEFFERSON CROSS.

Witnesses:

JOHN W. FARWELL,
A. DONALDSON, Jr.