R. JACKSON.

Cooking Stove.

2 Sheets—Sheet 1.

No. 1,520.

Patented March 19, 1840.

Fig. 2

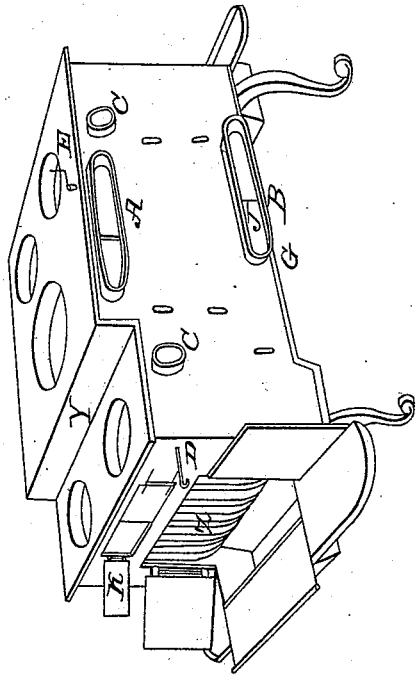

Fig. 3

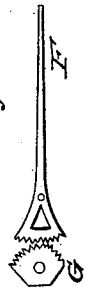

Fig. 1

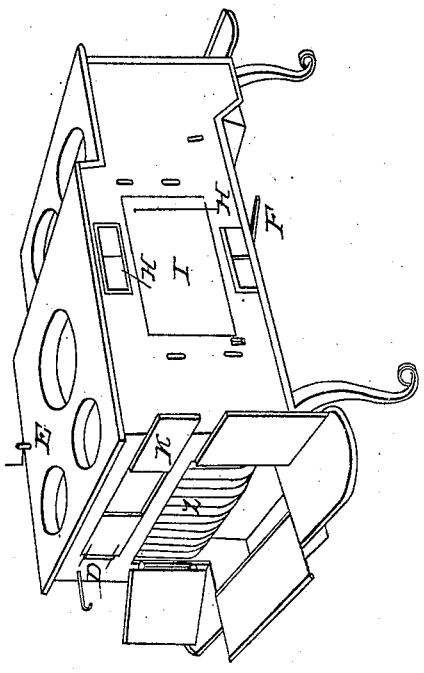

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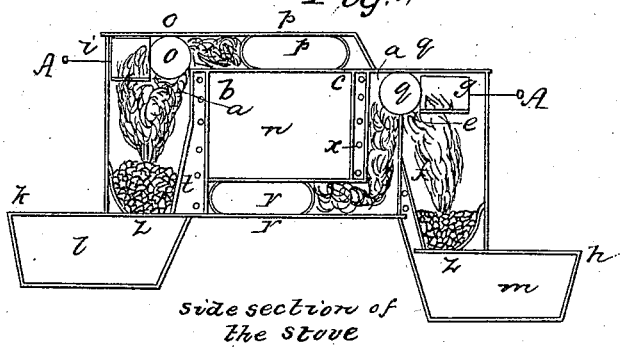
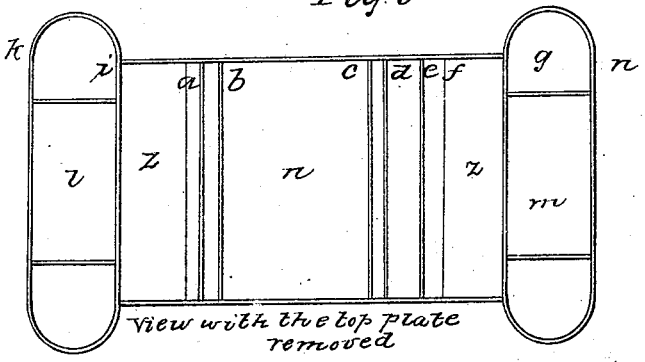
Fig. 4



Side section of the stove

Fig. 5



View with the top plate removed

UNITED STATES PATENT OFFICE.

REUBEN JACKSON, OF ZANESVILLE, OHIO.

IMPROVEMENT IN THE CONSTRUCTION OF COOKING-STOVES WITH DOUBLE FIRE-PLACES.

Specification forming part of Letters Patent No. **1,520**, dated March 19, 1840.

To all whom it may concern:

Be it known that I, REUBEN JACKSON, of Zanesville, in the county of Muskingum and State of Ohio, have invented a new and useful Improvement in a Cooking-Stove designed for Burning Coal; and I hereby declare the following to be a full and exact description thereof.

The nature of my invention consists in the construction of an oven between two fire-places in such a manner that the draft of one fire passes over the oven and that of the other under the oven into the chimney, separate flues and outlets being used, as herein set forth.

To enable others skilled in the art to make and use my invention, I will proceed to describe its operation.

In order to produce an equal degree of heat on each side of the oven, I construct my stove in the form of an oblong square with one end depressed about three inches, with a grate and fire-place at each end, as seen at Z, Figures 1, 2, 4, and 5, and the oven between the two fires, as seen at I, Fig. 1 and *n*, Figs. 4 and 5, with separate passages through the stove for the escape of the smoke of the respective fires. The fire and smoke of one end—viz., Z *i*, Fig. 4—are drawn upward over the oven, escaping through the flue—viz., Fig. 4 *p* and Fig. 2 J—which heats the side of the oven next to the fire and the top of the oven. The other end of the stove *d*, *g*, Fig. 4, and Y, Fig. 2, is depressed, so as to bring the top on a level with the oven, which entirely closes the passage upward and prevents the two fires from coming in contact. The fire from the grate Z, Figs. 2 and 4, passes over the plate E, Fig. 4, down the plate *d* and escapes through the flue at *r*, Fig. 4, and B, Fig. 2.

In order to regulate the heat I construct two flues—viz., C C, Fig. 2, and *o q*, Fig. 4—with dampers consisting of small plates sliding over the plate X, Fig. 4, which are drawn out horizontally, as occasion requires, by rods attached to them and running through the end plates of the stove, as shown at D, Figs. 1 and 2, and A A, Fig. 4. When these dampers are drawn, a portion of the heat escapes through the apertures *o q*, Fig. 4. The draft of the fires is regulated by a plate—viz., J J, Fig. 2—of sufficient width to fill the apertures *a* B, Fig. 2; but as this is not patentable a further description is unnecessary. The sides of the oven consist of two plates, as seen at *a b*, and *c* and *d*, Figs. 4 and 5, with small holes through the side plate, Fig. 4, *x x*, through which the air circulates, by means of which the plates in contact with the fire are prevented from consuming and the oven from becoming too hot. The top plate—viz., Figs. 1 and 2—I construct with any number of depressions about two inches in depth, into which any cooking utensil may be placed without coming in contact with the fire and smoke. I also construct small feeding-doors—viz., Figs. 1 and 2, K K—above the principal ones, into which coal may be introduced without the egress of smoke.

In order to clean out both the stove and the pipes, I make an opening in the front plate, as shown at H H, Fig. 1, into which a scraper is introduced for loosening the soot both from the stove and pipes, which, when disengaged, is carried by the force of the draft into the chimney. These openings are closed by sliders on the outside.

What I claim as my invention, and desire to secure by Letters Patent, is—

The arrangement of the oven between the two fire-places in such a manner that the draft of one fire shall pass over the oven and that of the other under the oven into the chimney, separate flues and outlets being used for that purpose, as herein set forth.

REUBEN JACKSON.

Witnesses:

WYLLYS BUELL,

J. W. FOSTER.