

S. LONG.
Cooking-Stoves.

No. 145,355.

Patented Dec. 9, 1873.

Fig: 1.

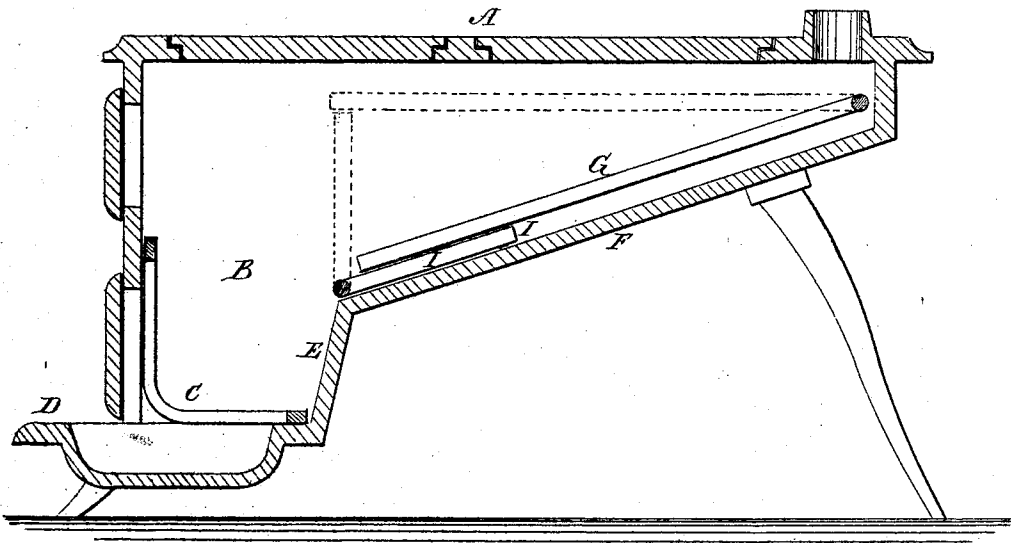
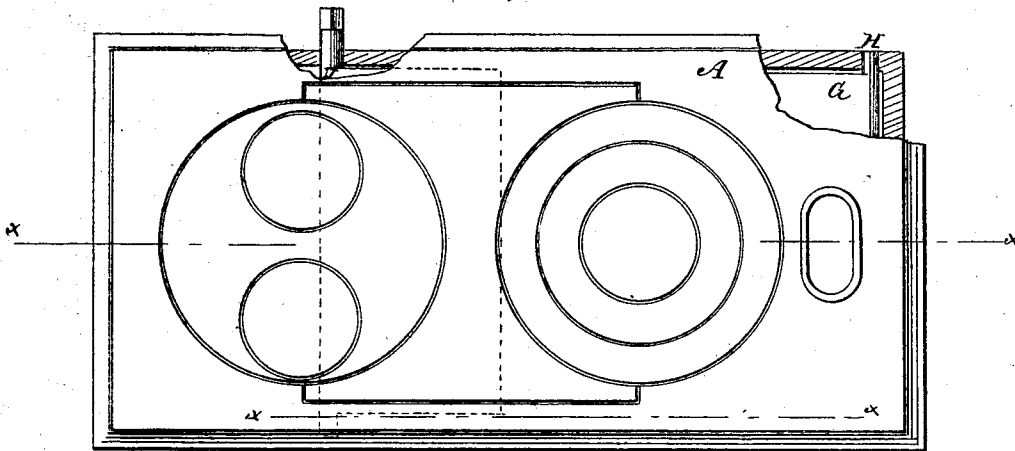


Fig: 2.



WITNESSES:

Chas. Nida
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UNITED STATES PATENT OFFICE.

SOLOMON LONG, OF MAYVILLE, OHIO.

IMPROVEMENT IN COOKING-STOVES.

Specification forming part of Letters Patent No. **145,355**, dated December 9, 1873; application filed November 1, 1873.

To all whom it may concern:

Be it known that I, SOLOMON LONG, of Mayville, in the county of Columbiana and State of Ohio, have invented a new and useful Improvement in Stoves, of which the following is a specification:

My invention is an improvement in the class of stoves whose fire-boxes are provided with movable or adjustable backs. The improvement relates to the arrangement of two pivoted or hinged plates, one forming, when elevated, the back of the fire-box and supporting the other, which thus forms the horizontal inner top plate of the stove, as hereinafter described.

Figure 1 is a vertical longitudinal section taken on the line *x x* of Fig. 2. Fig. 2 is a top view with parts of the top broken away.

Similar letters of reference indicate corresponding parts.

A is the top of the stove. B is the fire-place. C is the grate. D is the hearth. E is the back plate of the fire-place; and F is the bottom plate of the back part of the stove. G is a plate nearly equal in length and breadth to the bottom plate F. This plate G is pivoted at its back end to the sides of the stove, as seen at H. From the pivots it fills the space between the sides loosely, so that its front end may be readily elevated, as seen in dotted lines, or to any intermediate position for the purpose of contracting the flue. The

position of this plate is regulated by means of another plate, I, over which it laps, which is pivoted at each end to the sides of the stove. One of these pivots passes through the side, to which a lever is applied for raising the plate. When fully raised this plate stands in the position seen in dotted lines, or vertical when it is supporting the end of the plate G. By this means the flange is regulated and the heat controlled, as may be desired. The position of the plate I may be regulated by means of a ratchet-wheel and pawl, or in any other manner, so as to stand in an inclined instead of a vertical position.

This stove is preferably made of cast-iron; but it is light, and contains but few interior plates, and may be moved from place to place, as may be required.

Having thus described my invention, I claim—

The combination of plate G pivoted at the rear end of the combustion-chamber, and the plate I pivoted at the edge of the fire-box, the former being arranged to lap over and be supported by the other in the elevated and inclined position, respectively, as shown and described.

SOLOMON LONG.

Witnesses:

T. M. GEORGE,
G. T. SWEARINGEN.