

L. D. WEBBER.

Cooking Stove.

No. 108,219.

Patented Oct. 11, 1870.

Fig. 1.

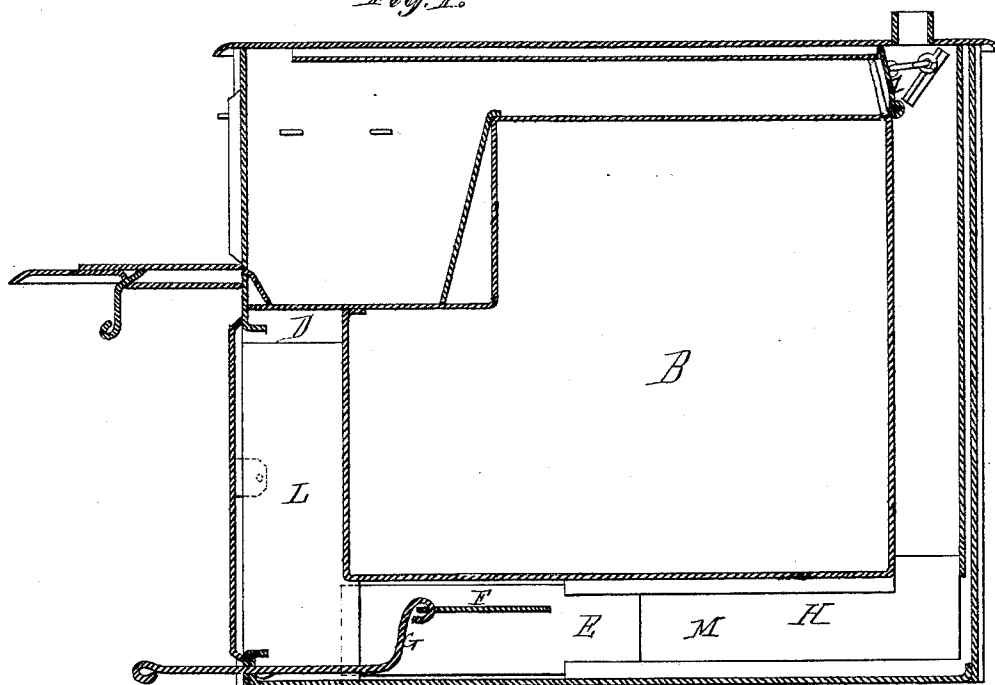
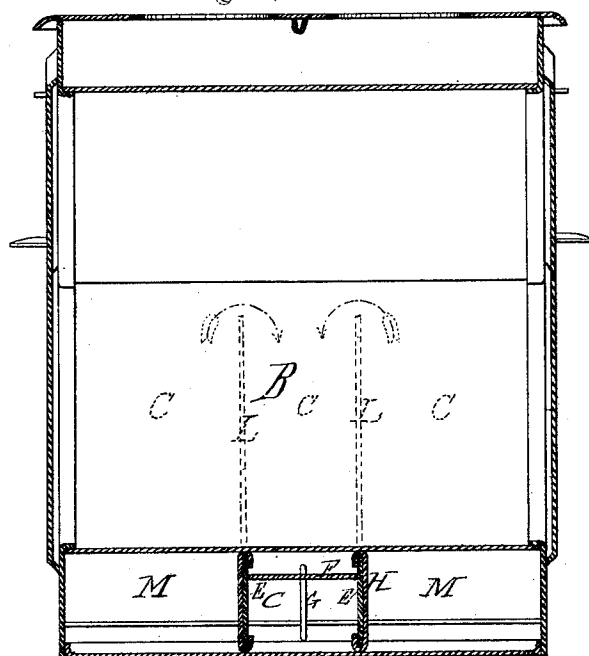


Fig. 2.



Witnesses

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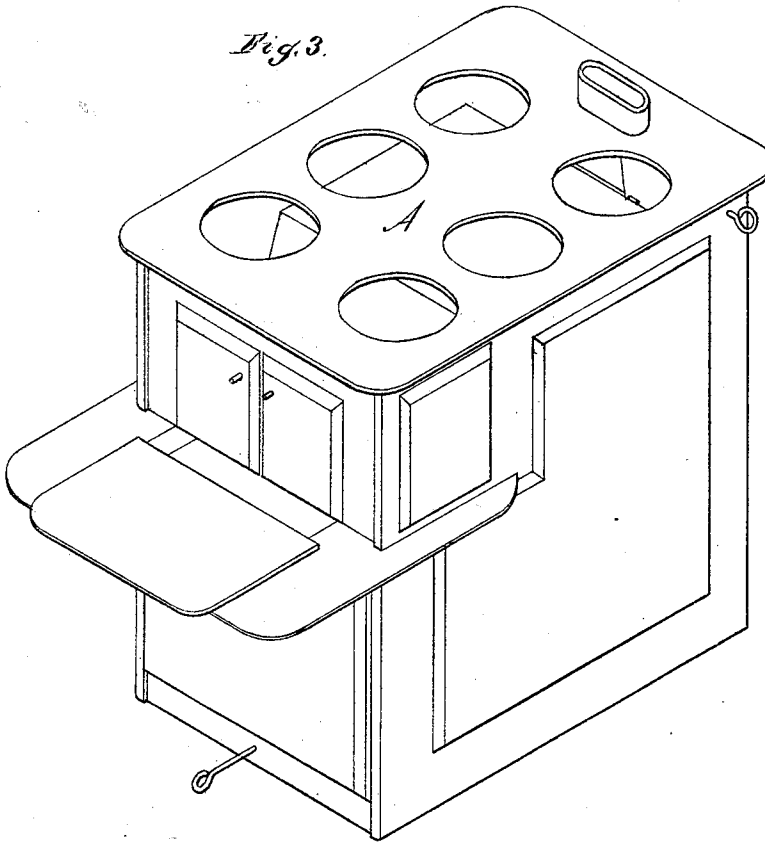
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Fig. 3.



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UNITED STATES PATENT OFFICE.

LEROY D. WEBBER, OF LA PORTE, INDIANA.

IMPROVEMENT IN COOKING-STOVES.

Specification forming part of Letters Patent No. 108,219, dated October 11, 1870.

To all whom it may concern:

Be it known that I, LEROY D. WEBBER, of the city of La Porte, in the county of La Porte and State of Indiana, have invented a new and valuable Improvement in Cooking-Stoves; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of my improved stove in perspective. Fig. 2 is a vertical longitudinal section. Fig. 3 is a vertical transverse section.

My invention consists in extending the horizontal flues of a cooking-stove up in front of the oven, arranging them to communicate at the top, and in providing the horizontal flues with an arrangement of plates constituting a double sliding damper, by means of which the direction of the heated products of combustion may be regulated.

In the accompanying drawings, A represents the outer case of the stove.

B is the baking-oven, heated by the circulation of rarefied currents between the walls and the case A.

C represents a series of flues between the front of the case A and the forward wall of the oven.

D is a space above the dividing-partitions L, through which the heated current circulates from flue to flue, ascending the side flues and descending the middle flue.

E shows a pair of parallel vertically-ar-

ranged plates connected by a horizontal strip, F, to which is attached a rod, G, projecting beyond the front of the stove, and by which the plates are drawn to and fro.

H represents a pair of partitions dividing the lower chamber of the stove into three flues, M. These partitions may be flanged to serve as guides to the movable plates E.

The object of the described improvements is to heat the front of the oven as well as the other parts, and it is effectually accomplished by the use of the plates E, which increase or diminish the draft. When drawn forward, these plates create a direct central passage from the back to the front of the stove, through which the heat passes, ascending the side and descending the middle vertical flues.

When the oven is sufficiently heated, the damper *z* is turned, cutting off the currents of heated air and products of combustion. In this condition the flue-chamber in front of the oven serves as a dead-air chamber, and prevents the rapid escape of the heat from the oven through its front wall.

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

In combination, the vertical flues C, located in front of the oven, the double sliding damper E, rod G, and the horizontal flues M, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

LEROY D. WEBBER.

Witnesses:

J. D. W. STEWART,
KEN. W. KERR.