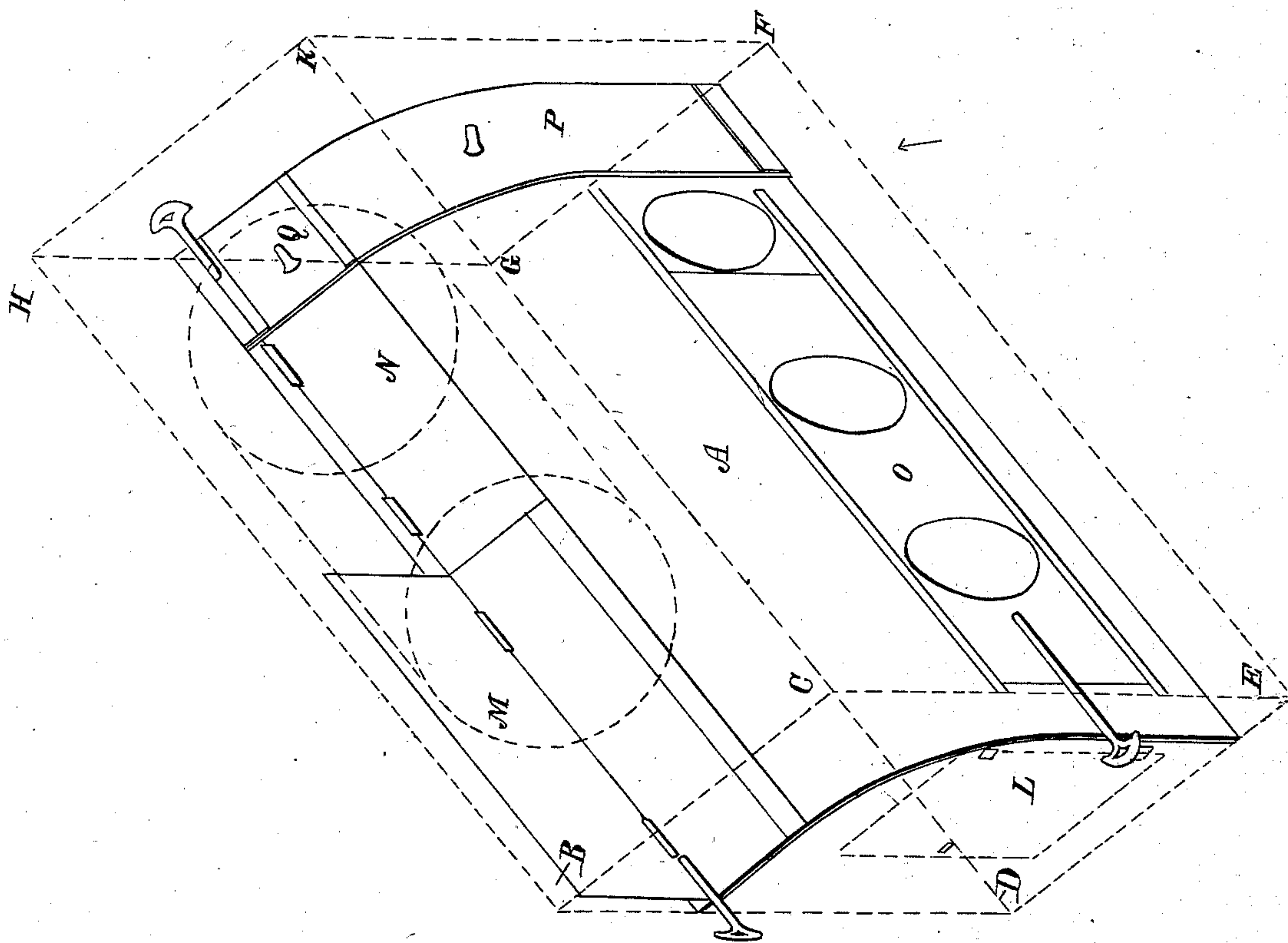


Cooking Stove.

Patented July 28, 1868.



Witnesses:
Smith Davison
W. H. Sigman

Inventor
J W Lourcey

United States Patent Office.

J. W. LOWREY, OF DAYTON, OHIO.

Letters Patent No. 80,416, dated July 28, 1868.

IMPROVEMENT IN COOKING-STOVES.

The Schedule referred to in these Letters Patent and making part of the same.

Be it known that I, J. W. LOWREY, of the city of Dayton, in the county of Montgomery, and State of Ohio, have invented a new and improved mode of concentrating, distributing and economizing heat in Cooking-Stoves, in using either wood or coal as fuel, the saving of fuel to the extent of nearly one-half the quantity ordinarily used, and the making of the stove air-tight; 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 drawing making a part of this specification, and to the letters of reference marked thereon.

The nature of my invention consists in placing in the fire-chamber of cooking-stoves a cast-iron partition, A, chiefly curved, but with a portion of the top and side flat, on which latter portions work the valves and slide, besides two movable plates at one end to adjust the improvement, by their extension, to the length of the fire-chamber of the stove, whether shorter or longer, as occasion requires.

In the drawing, the dotted line B C D E F G H K represents the fire-chamber of the stove, B H being the front and top, and E F the back and bottom towards the oven of the stove.

L represents an end door of the stove, into which the fuel is introduced.

M and N are two valves, which are opened or closed according as the regulation or distribution of the heat, or its concentration under one or more of the cooking-plates or vessels may require.

The slide O opens or closes the openings in the back of the inner chamber when it is desired to pass the heat more directly towards the oven of the stove, or intercept it when elsewhere required. P and Q are the two movable end-pieces before mentioned.

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

The inner chamber A, to be inserted into the stove as shown, together with its regulating-valves and slide M, N, and O, and adjustable end-pieces P and Q, substantially as and for the purposes herein specified and described.

J. W. LOWREY.

Witnesses:

SMITH DAVISON,
W. H. SIGMAN.