J. W. JOHNSON.

CULINARY APPARATUS.

No. 180,347. Patented July 25, 1876.

Fig. 1.

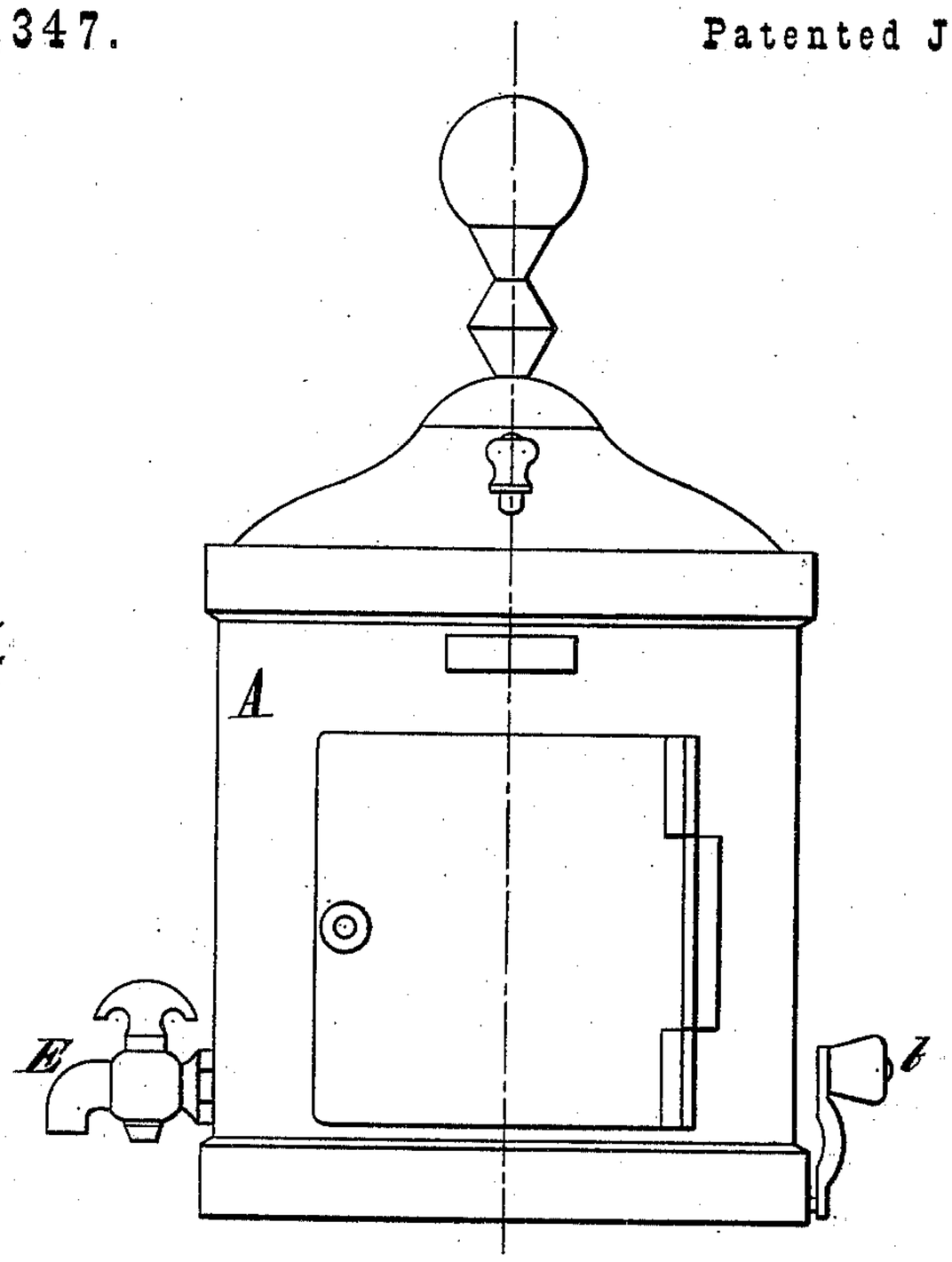
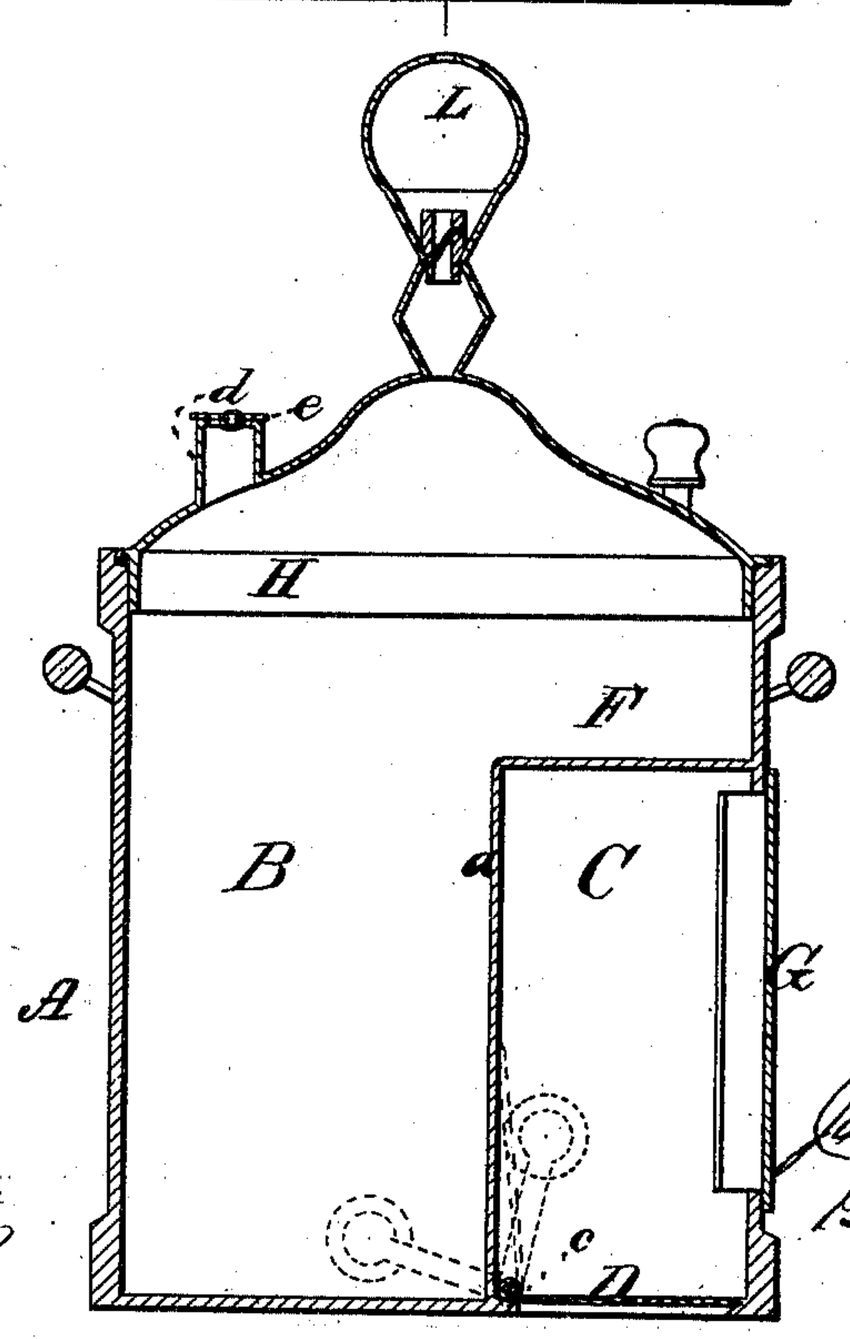


Fig. 2.



WITNESSES

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JAMES W. JOHNSON, OF CANDOR, NEW YORK.

IMPROVEMENT IN CULINARY APPARATUS.

Specification forming part of Letters Patent No. **180,347**, dated July 25, 1876; application filed April 29, 1876.

To all whom it may concern:

Be it known that I, JAMES WYETT JOHNSON, of Candor, in the county of Tioga and State of New York, have invented a new and valuable Improvement in a Water-Tank and Oven Combined; 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 a side elevation of my water-tank and oven; and Fig. 2 is a vertical central section thereof.

This invention has relation to a culinary apparatus, which is applicable to cooking-stoves, and which is designed to be used on the top of a stove, on one of the pot-holes thereof; and the nature of my invention consists in a cylindrical vessel, in which are two chambers, one of which is designed to contain water, and the other is provided with a valve in its bottom, for a purpose hereinafter explained, and is designed to contain articles to be kept warm.

The invention further consists in providing the hinged cover of my culinary apparatus with a globular condenser, in which is a tubular valve, as will be hereinafter explained.

In the annexed drawings, A designates the body of my improved culinary apparatus, which is preferably constructed of a cylindrical form, the bottom of which is adapted for the pot-hole of a common cooking-stove, or for a base-burner. B designates a water-chamber, and C a heating-chamber, formed by dividing the body A as designated by the diaphragms *a*, as represented in Fig. 2. The water-chamber B is provided with a draw-off cock, E, and is in communication with a chamber, F, which extends over the heating-chamber C. At the base of the heating-chamber C is a valve, D, which can be opened or closed by means of a crank-handle, *b*, and which, when it is in a horizontal position, rests upon a flange, *c*. This heating-chamber is accessible through an opening which is closed by a door, G.

In practice, I shall construct the flange *c* with a surface which inclines downward and inward, for the purpose of preventing lodgment of coal while feeding the stove.

My invention is especially applicable to base-burning stoves, the apparatus being applied at the upper end of the magazine, which is supplied with coal through the bottom of the heating-chamber C when the valve D is open. The top of the cylinder A is closed by a hinged cover, H, which is provided with a steam-vent, *d*, having a perforated adjustable cap, *e*, for regulating the exit of steam. L designates a globular condenser, which is in communication with the water-chamber B, and which is provided with a valve, *f*, for the purpose of allowing steam to escape when there is an excess of pressure in the water-chamber. This valve *f* will allow the water of condensation to return into the water-chamber B.

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

1. The combination of a water-tank and oven, composed of the cylindrical body A, and chambers B C, the chamber C having valve D at its base, and a door, G, substantially as described.

2. In the culinary vessel herein described, the hinged cover H, provided with a condenser, L, containing a valve, *f*, for the purpose explained.

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

JAMES WYETT JOHNSON.

Witnesses:
MORRIS HUMISTON,
CHARLES P. WARD.