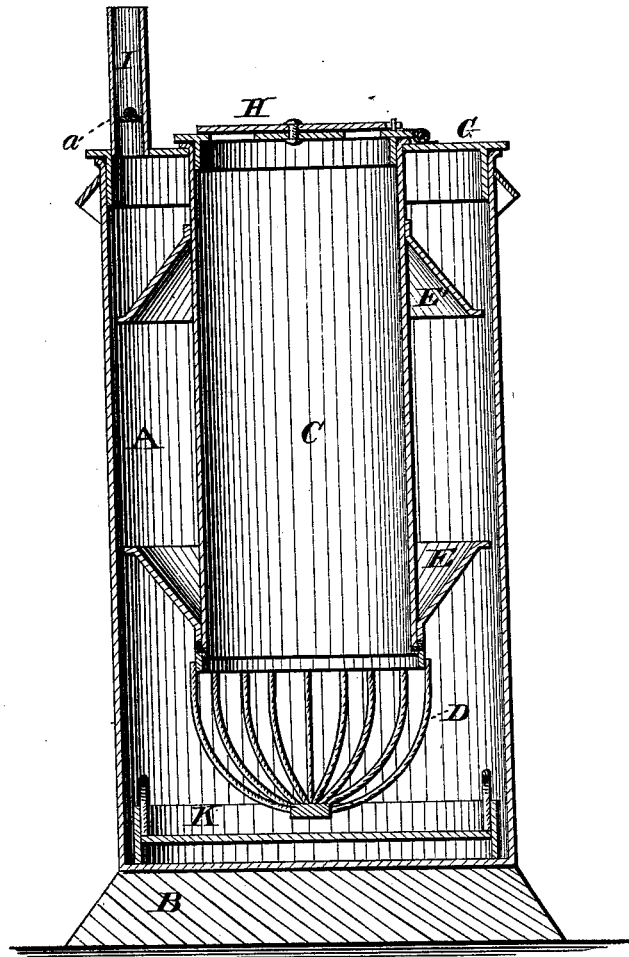


J. P. MARTIN.

FEED-COOKER.

No. 187,877.

Patented Feb. 27, 1877.



WITNESSES

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UNITED STATES PATENT OFFICE.

JOHN P. MARTIN, OF XENIA, OHIO.

IMPROVEMENT IN FEED-COOKERS.

Specification forming part of Letters Patent No. 187,877, dated February 27, 1877; application filed February 1, 1877.

To all whom it may concern:

Be it known that I, JNO. P. MARTIN, of Xenia, in the county of Greene, and in the State of Ohio, have invented certain new and useful Improvements in Feed-Cookers; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

The nature of my invention consists in the construction of a feed-cooker, as will be hereinafter more fully set forth.

In order to enable others to make and use my invention, I will proceed to describe the same, referring to the annexed drawings, forming a part of this specification, in which the figure therein represents a longitudinal section.

The feed-cooker is intended to be placed in a suitable vessel containing water and the food to be cooked.

A represents a cylindrical vessel, whose base B is weighted to keep it in the vessel in which it is placed. C represents a cylinder, smaller than the cylinder A, and projecting down into the latter cylinder a suitable distance from its top. To the bottom of the cylinder C is riveted, or otherwise firmly attached, a basket-grate, D. A cap, G, closes the top of the cylinder A, and the cylinder C is connected to said cap, within which is placed a hinged ventilator, H, covering the top of said cylinder C. E and E' represent conical-shaped flanges, which are rigidly attached to the outer wall of the cylinder C, and extend nearly to the inner wall of the cylinder A. The upper and lower conical flanges are placed on the cylinder in a reverse manner to one another, as seen in the drawing.

Any number of these flanges may be employed, as desired.

I represents the exit-flue, and a a damper therein, for shutting in the heat after the fire is well started. K represents the ash-pan, which is loosely placed in the cylinder A, under the grate D, and forms a false bottom for the cylinder.

It will be necessary, in working the device, to provide a water-tight fire or ash door near the ash-pan.

By placing combustible material and lighting a fire in the grate, the ventilator or register H being open, a downward draft is had, and by means of the cones E E' the heat is caused to be deflected directly against the walls of the cylinder A, and by circulating around is retained, as well as equally distributed before it is allowed to pass out the exit-flue.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A feed-cooking cylinder or drum having a weighted bottom or base, B, for retaining it in the water-vessel, as set forth.

2. The cylinder C, having conical flanges E E', in combination with the cylinder A and the grate D, all substantially as and for the purposes herein set forth.

3. The combination of the main cylinder A, the interior cylinder C, having grate D, the flanges E E', ventilator H, and exit-pipe I, having a damper, a, all constructed substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 17th day of January, 1877.

JOHN P. MARTIN.

Witnesses:

G. W. NEVILLE,
G. A. GRIMES.