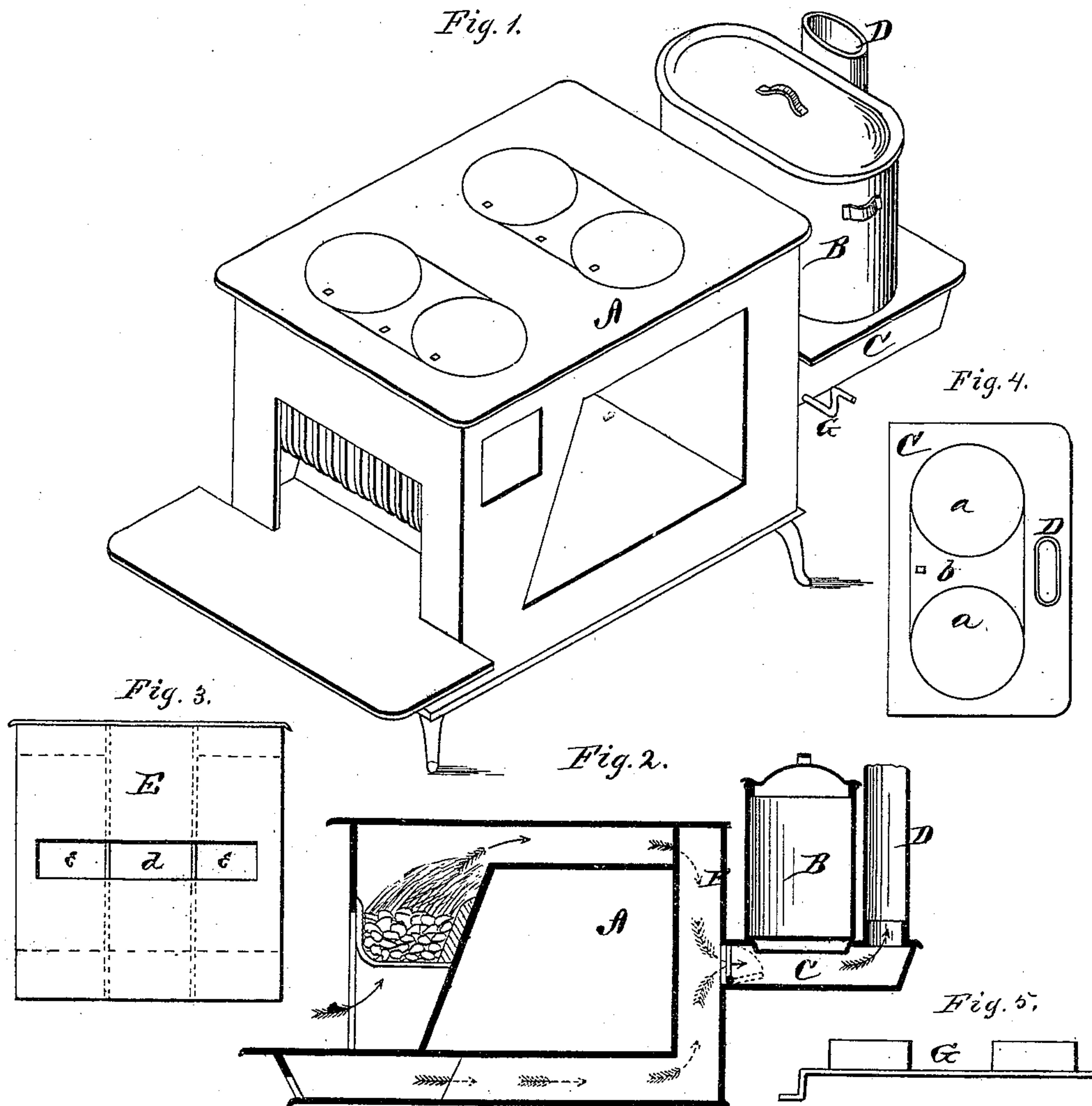


D. H. NATION & E. C. LITTLE.
Reservoir Cooking-Stoves.

No. 142,931.

Patented September 16, 1873.



Witness:

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UNITED STATES PATENT OFFICE.

DAVID H. NATION AND EZEKIEL C. LITTLE, OF ST. LOUIS, MISSOURI.

IMPROVEMENT IN RESERVOIR COOKING-STOVES.

Specification forming part of Letters Patent No. **142,931**, dated September 16, 1873; application filed February 21, 1873.

To all whom it may concern:

Be it known that we, DAVID H. NATION and EZEKIEL C. LITTLE, of St. Louis, in the county of St. Louis and in the State of Missouri, have invented certain new and useful Improvements in Reservoir Cooking-Stoves; 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.

Our invention relates to that class of cooking-stoves in which the water-reservoir is located at the back of the stove; and it consists in the construction and arrangement of the back plate of a stove with the broad base-pan flue, to receive the reservoir, and a two-winged damper located at the mouth of the flue, and the exit-flue passing up in rear of the reservoir.

In order to enable others skilled in the art to which our invention appertains to make and use the same, we will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a perspective view, and Fig. 2 a longitudinal vertical section, of a cooking-stove embodying our invention. Fig. 3 is a rear view of the back plate of the stove. Fig. 4 is plan view of the base-pan, and Fig. 5 is a view of the damper.

A represents an ordinary three-flue cooking-stove, provided with an ordinary wash-boiler or reservoir, B, which rests upon the base-pan C, with the exit-flue D passing up behind the boiler. The top of the base-pan C is provided with two ordinary boiler-holes, *a a*, and a stove-center, *b*, as shown in Fig. 4, so that the said base-pan or back projection can be used for ordinary cooking when the boiler or reservoir is removed. In this form of stove the damper G is placed on the bottom of the base-

pan at its junction with the stove-back E, and is made with two wings, as shown in Fig. 5. The opening in the stove-back E in this case will extend the whole width of the base-pan. The direct draft will pass down the side flues *ee*, and through the opening in the back plate E, into the base-pan when the damper is down or open; but when the damper is closed or turned toward the back plate the indirect draft will pass down the side flues *ee*, and under the bottom of the oven, returning through the center flue *d*, up and through the opening in the back plate at the center between the flue-plates.

We do not claim under this patent the arrangement of an air-chamber, communicating at the top with the air in the room, between the stove-back and reservoir-front; nor do we claim the sheet-flue under the reservoir-bottom, as herein shown, as these features are the subject-matter of a separate application for Letters Patent applied for by us.

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

The combination of the base-pan C, extended rearward from a point about equidistant between the top and bottom plates of the stove, the reservoir B being free from contact with the stove excepting its bottom, the two-winged damper G, and the exit-pipe D, situated in the rear of the reservoir, all substantially as and for the purposes herein set forth.

In testimony that we claim the foregoing we have hereunto set our hands this 1st day of February, 1873.

DAVID H. NATION.
EZEKIEL C. LITTLE.

Witnesses:

BENJAMIN S. BUCK,
ARTHUR L. PIERCE.