

D. H. NATION & E. C. LITTLE.

Cooking Stove.

No. 124,377.

Patented March 5, 1872.

Fig. 1.

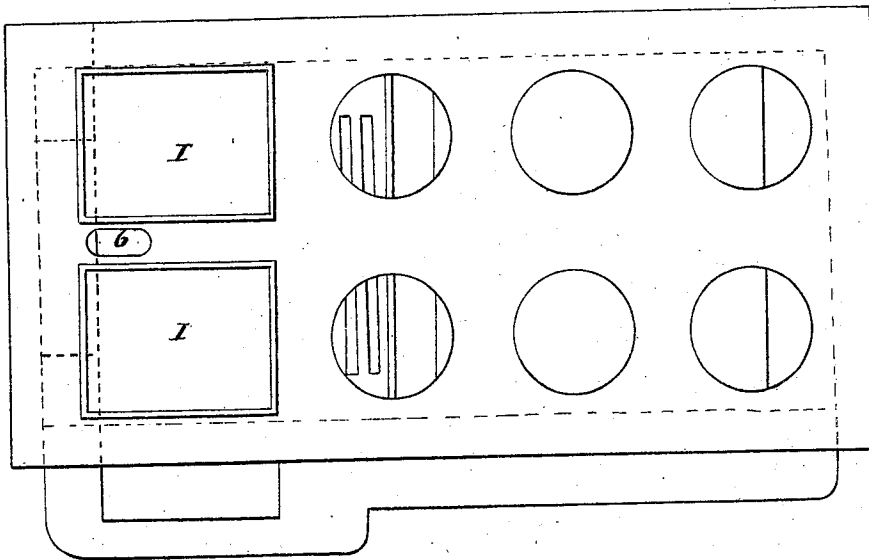


Fig. 2.

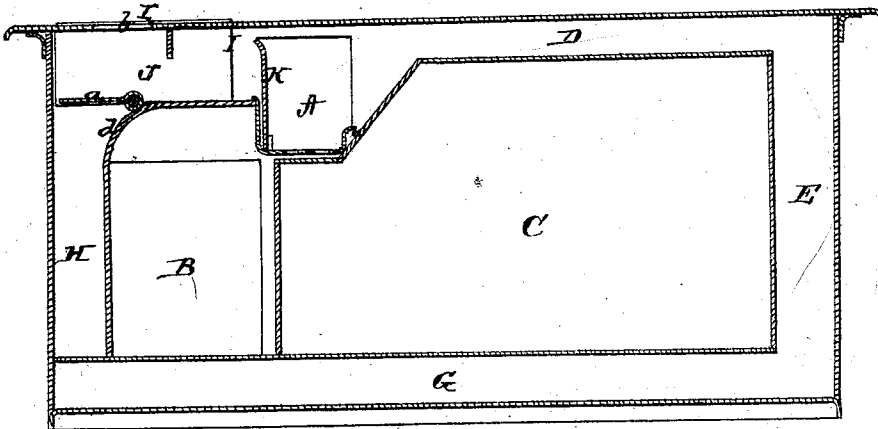


Fig. 4.

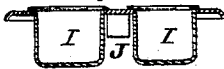
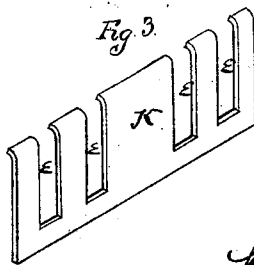


Fig. 3.



Witnesses:

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# UNITED STATES PATENT OFFICE.

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

## IMPROVEMENT IN COOKING-STOVES.

Specification forming part of Letters Patent No. 124,377, dated March 5, 1872.

### *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 Cooking-Stoves; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon making a part of this specification.

Our present invention is intended as an improvement upon the cooking-stove for which Letters Patent were granted to us April 4, 1871; and it consists, first, in two separate and independent water-reservoirs, arranged in front of the fire-chamber, with one or more flues passing between them, the sides of the reservoirs forming the walls of the flue or flues; second, in the arrangement, with the said reservoirs, of a damper located between them and about midway between the fire-box and the end of the stove; third, in an angular plate under the reservoirs forming the flue division of the ash-box; and fourth, in the construction of the front lining of the fire-box, it being provided with elongated openings to allow the heat from the fire-box to act directly upon the reservoirs.

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 plan view, and Fig. 2 a longitudinal vertical section of our improved stove. Fig. 3 is a perspective view of the front lining of the fire-box; and Fig. 4 is a reduced transverse vertical section through the water reservoirs.

A is the fire-box; B, the ash-box; and C, the oven of our stove. D is the top flue over the oven; E, the downward flue at the rear end of the stove; G the bottom flue, running to the front end of the stove. The bottom plate of the oven and ash-box is extended forward in the center across the upright flue H at the

front end of the stove, as shown by dotted lines in Fig. 1. Immediately in front of the fire-box A and through the top plate of the stove are passed two water-reservoirs I I, which may be removable or stationary, and level with or extending above the top plate of the stove, as may be desired. Between these reservoirs is the flue J, the sides of the reservoir forming the walls of the flue, said flue leading from the fire-box to the front plate of the stove. Between the lower edges of the two reservoirs and about midway between the fire-box and front of the stove is located a damper, *a*, which may either be turned up causing the heat and smoke to go around the oven, through the flues D, E, G, and H, into the flue J, between the reservoirs, and up through the smoke-pipe attached in the opening *b*, or it may be turned down closing the flue H, and causing the heat and smoke to pass direct from the fire-box through the flue J to the smoke-pipe. The handle of the damper *a* rests upon an angular plate, *d*, which forms the flue division of the ash-box B, as shown in Fig. 2. The position of the damper *a* prevents any possibility of its burning out or becoming deranged by heat, which is often the case in ordinary stoves where the damper comes directly in contact with the fire. The angular plate *d* also forms a flue under the reservoir. K represents the front lining of the fire-box made of brick or iron, and provided with elongated openings *e e*, so that the heat from the fire-box can act directly upon the water-reservoirs.

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

1. Two separate and independent water-reservoirs, arranged immediately in front of the fire-chamber of the stove, having one or more flues passing between them, the sides of the reservoirs forming the walls of the flue or flues, substantially as herein set forth.

2. In combination with two reservoirs, arranged as claimed in foregoing clause, a damper, placed between said reservoirs and about

midway between the fire-box and the end of the stove, substantially as and for the purposes herein set forth.

3. The angular plate *d*, arranged under the reservoirs, forming the flue division of the ash-box, and supporting the damper-rod or handle, substantially as herein set forth.

4. The front lining *K* of the fire-box, provided with elongated openings *e e*, substantially as and for the purposes herein set forth.

In testimony that we claim the foregoing we have hereunto set our hands this 27th day of December, 1871.

DAVID H. NATION.  
EZEKIEL C. LITTLE.

Witnesses:

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