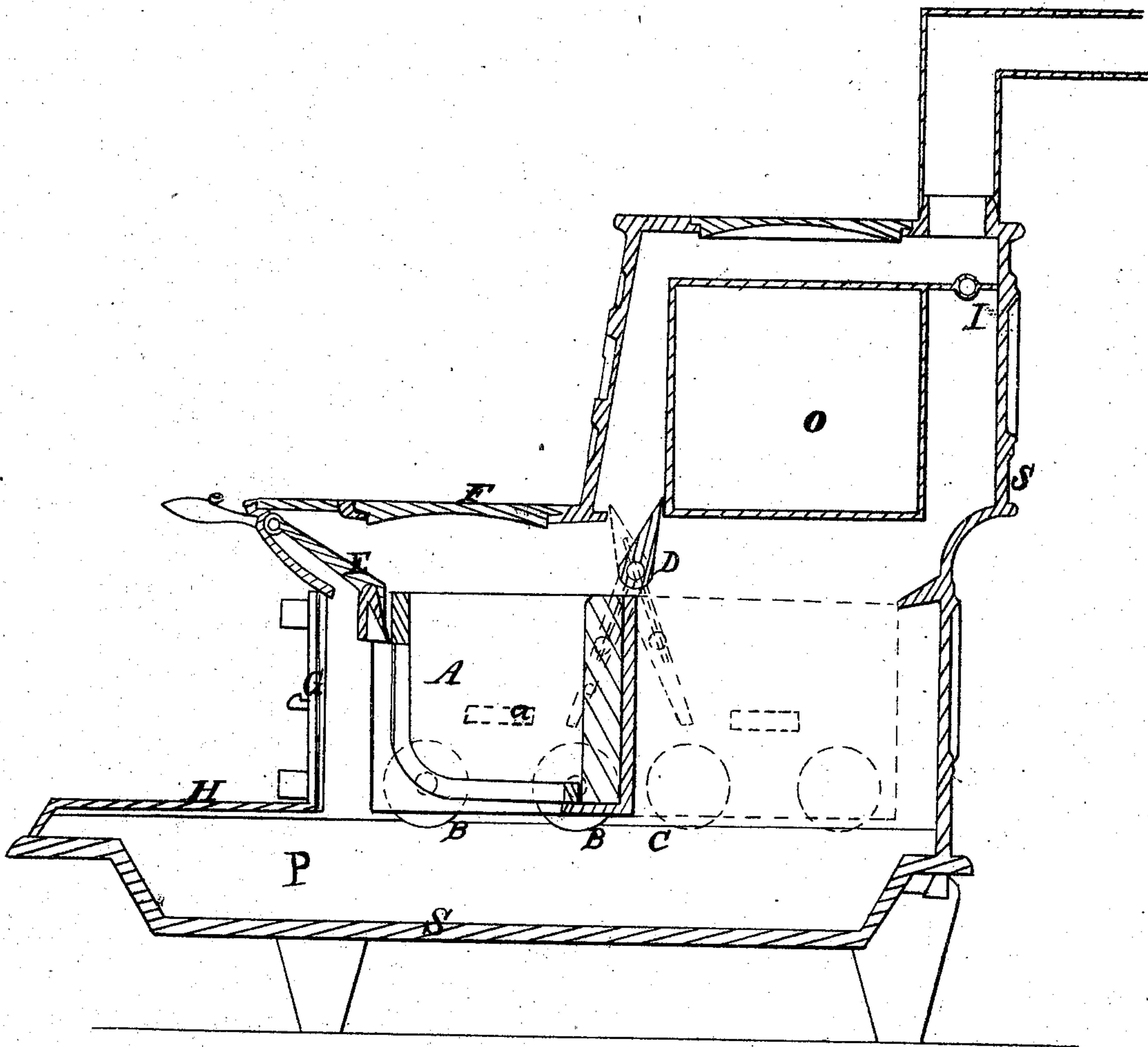


*L. T. Pyott,
Cooking Stove.*

Nº 75,791.

Patented Mar 24, 1868.



Witnesses.

*J. E. M. Bower.
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LOUIS T. PYOTT, OF PHILADELPHIA, PENNSYLVANIA.

Letters Patent No. 75,791, dated March 24, 1868.

IMPROVEMENT IN COOKING-STOVES.

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

TO ALL WHOM IT MAY CONCERN:

Be it known that I, LOUIS T. PYOTT, of the city and county of Philadelphia, in the State of Pennsylvania, have invented a certain new and useful Improvement in Cooking-Stoves; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawing, which forms part of this specification.

My invention relates to cooking-stoves which are provided with a movable furnace or fireplace, adapted to concentrate the heat in any desired part of the stove.

My movable furnace is mounted upon wheels, which are encased and protected in such a way as to prevent their being either clogged or injured in use, and which fit and run upon a V-shaped track, which extends forward upon the stove-hearth, so that the furnace may be run out clear of the stove for convenience in clearing it of unconsumed cinders, &c., and for making the fire.

I also employ an automatic damper, adapted to be operated by the movement of the furnace, and serving to properly direct the air and heat, as will be hereafter explained.

The drawing represents a vertical longitudinal section of a cooking-stove embodying my improvements.

S may represent the external walls of the stove, O the oven, and H a movable hearth-plate, covering the ash-pit P. A represents the furnace, mounted upon wheels B B, which are fitted into recesses or casings in the cast-iron ends of the furnace, so as to protect them from injury or from being choked or clogged with ashes or other matter. Two wheels, B B, are thus applied to each end of the furnace, and they run upon V-shaped tracks, C, which serve the purpose of guides without being liable to be obstructed with ashes. The tracks C extend from the back of the stove to the extreme front of the hearth, so as to afford the furnace three distinct adjustments: first, beneath the boiler-holes F, as represented in the drawing; second, back beneath the oven O, as represented in dotted lines; and, third, forward upon the hearth, for the purpose of clearing the furnace, or making or replenishing the fire.

When the furnace is to be run out to its forward position, the front doors, G, of the stove are thrown open, and the hearth-plate H is either slid forward or removed. D represents a pivoted damper, extending completely across the stove, and forward at one end, with a downward-projecting arm, d, through which the damper is moved by a tappet, a, (shown by dotted lines,) which projects from one end of the furnace. I represents a secondary damper, to close the flue in the rear of the oven, when the furnace is in its central position beneath the front boiler-holes, as shown in the drawing. E represents a gravitating-plate, extending from side to side of the stove, and formed at its front edge to fit over the front bar of the furnace, so as to secure the furnace (when in its central position) against accidental displacement, in raking the fire, for example. The said plate E also serves to prevent the draught passing over the top of the furnace without going through the fire. An external handle, e, is employed to lift the retaining-plate clear of the furnace when the latter is to be moved. The plate E may be readily adapted to automatically catch the upper bar of the furnace as it comes under it from either direction, and retain it until the handle e is depressed.

When the furnace is run back, the tappet a carries the lever d back with it, turning the damper forward until the latter passes the centre, when it falls to the position shown by dotted lines, so as to close the passage above the front of the furnace. The damper I being then opened, all the draught will be compelled to pass through the furnace and up in front and behind the oven.

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

1. The combined furnace and truck A, mounted upon boxed or encased wheels B B, as described and for the purpose specified.

2. In combination with the foregoing, I further claim the V-shaped rails, extending from the rear of the stove to the front of the hearth, as and for purposes explained.

3. I claim the automatic division-plate or damper D d, operated by the motion of the furnace, as and for the purposes described.

4. I further claim the detaining-plate E, in combination with the shifting furnace A, in the manner described.

To the above specification of my cooking-stove, I have signed my hand, this 25th day of January, A. D. 1868.

LOUIS T. PYOTT.

Witnesses:

J. E. M. BOWEN,
DAVID SCHEETZ.