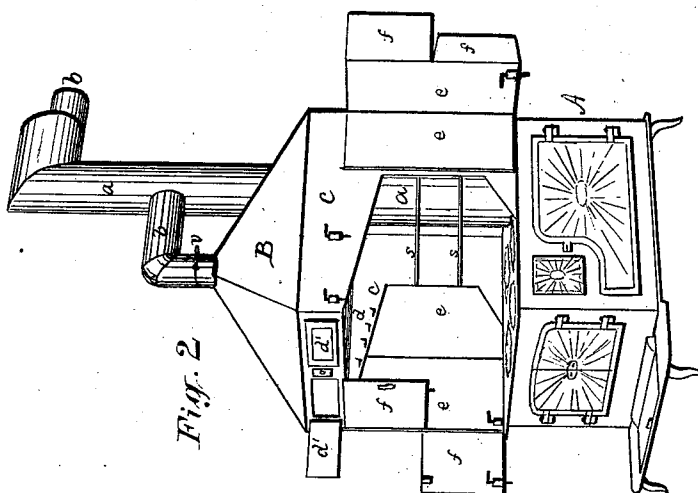
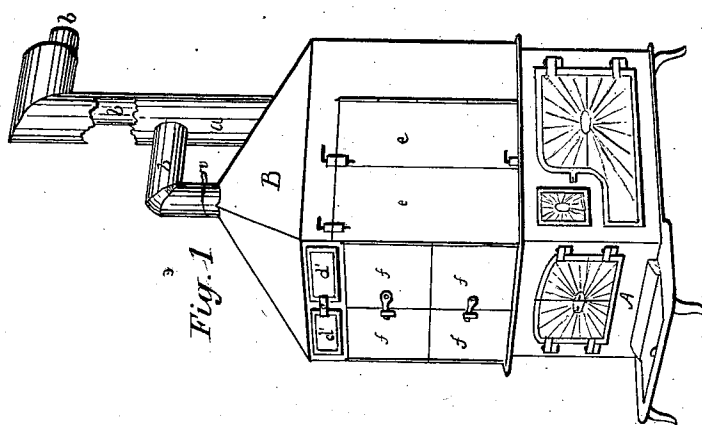


J. D. SMEDLEY.
Cooking-Stove.

No. 161,908.

Patented April 13, 1875.



Witnesses

P. W. Leman
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Inventor:

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UNITED STATES PATENT OFFICE.

JOHN D. SMEDLEY, OF NEW YORK, N. Y.

IMPROVEMENT IN COOKING-STOVES.

Specification forming part of Letters Patent No. **161,908**, dated April 13, 1875; application filed December 14, 1874.

To all whom it may concern:

Be it known that I, JOHN D. SMEDLEY, of New York, in the State of New York, have invented a certain Improvement on Cooking-Stoves, of which the following is a specification:

My improvement consists in an affixed chamber or covering for the top of cooking-stoves for common use, whereby all the odor, steam, smoke, and other emanations from cooking, broiling, &c., are drawn off from the apartment in which the cooking is done, and by means of which the heat of the stove can be nearly all carried away in summer, and in cold weather utilized by heating other apartments. It also serves as a hot-closet, plate-warmer, &c.

The construction of my improvement is as follows:

Referring to the accompanying drawing—in which Figure 1 is the new apparatus closed, upon a cook-stove, Fig. 2 is the same partly open, showing the interior—A is a cooking-stove of any pattern, upon the top of which is affixed a thin metal chamber, B, as clearly represented in Fig. 1. The funnel *a* from the stove may pass up inside of said chamber, as seen in the drawing, or otherwise, and from the apex of the raised top a smaller pipe, *b*, projects, and can be led off through the smoke-pipe *a* to the chimney, or up into the apartment above to heat it, and thence into the chimney or elsewhere. The top and back of chamber B are united, and the front part of the top is supported by brackets *c*, Fig. 2, projecting from the back at the sides. At a little distance below the cover or top there is a perforated or wire-gauze floor or horizontal partition, *d*, forming a hot-air chamber, with doors *d'* *d'* opening into it, which can be used for heating plates or keeping food warm after it is cooked, and at the back of chamber B are shelves *s*, between partition *d* and the stove-top, for setting cooking-utensils on. A folding door, *e*, is hinged to the back on each

side, and when brought forward closes up the side tight. At its front edge it has two half-doors, *f*, hinged to it to shut in the front of the chamber. Hooks can be projected from the brackets *c* to hang things on.

When cooking with the above-described chamber one or both front doors can be open for broiling, frying, and the like, all the steam from which will be drawn up out of pipe *b*, the draft of which will be aided by the heat of the smoke-pipe, and when a kettle or other vessel is taken off the fire it can be set upon one of the shelves *s* quite within the chamber. The top, being divided off from the rest of the chamber by a perforated partition, *d*, is heated, and serves as a hot-chamber.

If it is desired to open the whole chamber below *d* into the apartment where the stove is located, the doors *f* and *e* can be folded back out of the way, leaving free access to the whole top of the stove, while the hood or top will still gather and draw off the emanations from cooking; but if the whole of the heat from the stove is desired in the room a valve, *v*, is closed in the pipe *b*, and cuts off the exit of the heat through it.

Having thus described my improvements in cook-stoves, I claim—

1. The chamber B, as and for the purposes described, furnished with folding doors *e e*, substantially as specified, and for the purposes set forth.

2. The perforated partition *d*, as specified, in combination with the chamber B, as and for the purposes described.

3. In combination with the above-named chamber B, provided with surrounding doors, the shelves *s*, as and for the purposes specified.

JOHN D. SMEDLEY.

Witnesses:

PETER B. McLENNAN,
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