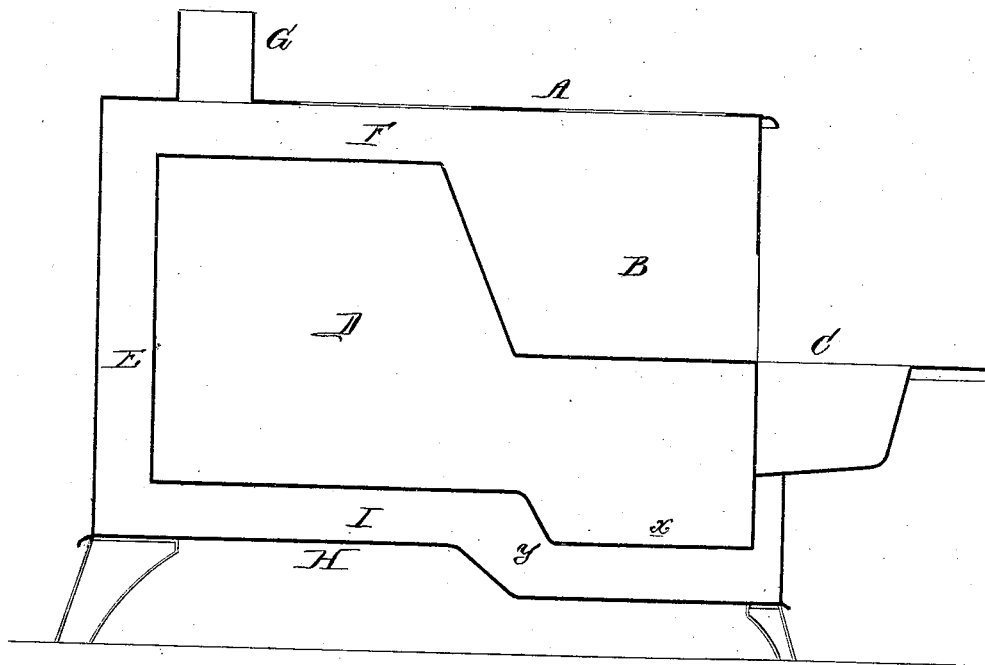


D. STUART.  
Cooking Stove.

No. 111,698.

Patented Feb. 7, 1871.



WITNESSES { *Geo. B. Harding*  
*John Parker*

*David Stuart*  
*by his attys*  
*Strozier and son*

# United States Patent Office.

DAVID STUART, OF PHILADELPHIA, PENNSYLVANIA.

Letters Patent No. 111,698, dated February 7, 1871.

## IMPROVEMENT IN COOKING-STOVES.

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

I, DAVID STUART, of Philadelphia, county of Philadelphia, State of Pennsylvania, have invented an Improvement in Cooking-Stoves, of which the following is a specification.

### *Nature and Object of the Invention.*

My invention consists of a cooking-stove having the front end of the oven and the front end of the lower flue depressed, so as to increase the capacity of that portion of the oven which has heretofore been of little use for baking purposes, and so as to impart a more uniform heat to the oven.

The figure in the accompanying drawing represents a vertical section of a cooking-stove made according to my invention.

A is the top plate of the stove;  
B, the space devoted to the fire-place;  
C, the hearth;  
D, the oven;  
E, the rear flue;  
F, the top flue; and  
G, the exit-pipe for the escape of the products of combustion to the chimney.

The above-mentioned parts are similar to those of ordinary flat-top cooking-stoves, in which, however, the bottom of the oven is of a uniform level throughout, so that the portion of the oven below the fire-place is necessarily contracted in height, and conse-

quently its use for baking purposes is of a very restricted character.

In order to remedy this defect I depress the oven at *x*, as shown in the drawing, thereby increasing the height and culinary capacity at the point where it has hitherto been so low as to admit articles of the smallest class only.

The bottom plate H and lower flue I has a corresponding depression, so that the products of combustion instead of taking a direct course along the lower flue, as usual in ordinary cooking-stoves, meet with a slight check at *y*, and I have found that this slight interruption of the direct course of the products of combustion induces a more uniform heating of the oven.

### *Claim.*

A cooking-stove, having the front end of the oven and the front end of the lower flue depressed, as set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

DAVID STUART.

Witnesses:

WM. A. STEEL,  
F. B. RICHARDS.