

L. TILDEN.  
Cooking Stove.

No. 1,698.

Patented July 18, 1840.

FIG. 1.

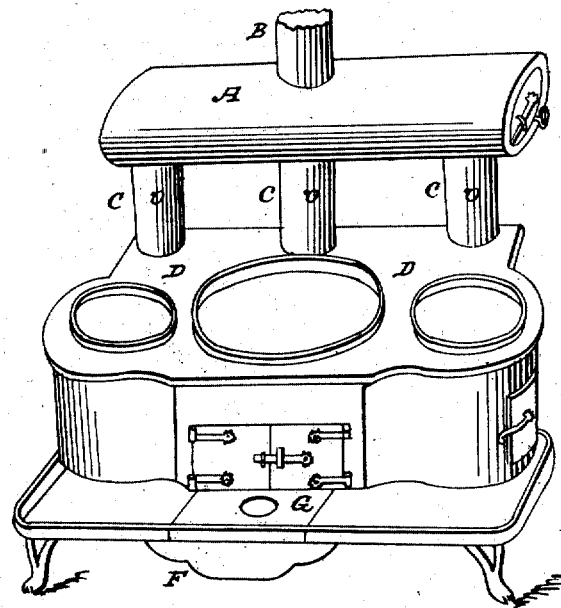
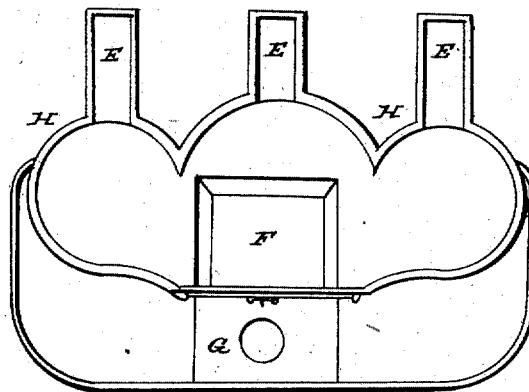


FIG. 2.  
*Section*



# UNITED STATES PATENT OFFICE.

LESTER TILDEN, OF BARRE, VERMONT.

## COOKING-STOVE HAVING ELEVATED OVENS.

Specification of Letters Patent No. 1,698, dated July 18, 1840.

*To all whom it may concern:*

Be it known that I, LESTER TILDEN, of Barre, in the county of Washington and State of Vermont, have invented certain  
5 Improvements in the Manner of Constructing Cooking-Stoves with Elevated Ovens; and I do hereby declare that the following is a full and exact description thereof.

In the accompanying drawing Figure 1, is a perspective view of my stove, and Fig. 10 2, a top view of the body thereof when the elevated oven and the top plate are removed; this figure being given to the interior or body of the stove, and particularly  
15 to the back plate.

A, A, is the elevated oven, and B the smoke or escape pipe. The interior of the oven consists of two concentric cylinders, or other formed boilers placed one within  
20 the other, and at such distance apart as to afford the space necessary for the formation of a flue. A ring-like scraper, having a suitable rod attached to it, serves to remove the dust or soot from this flue. From  
25 the body of the stove three pipes, or flues, c, c, c, rise, and convey the heated air into the oven flue. These flues are each furnished with dampers, or valves, by means of which the passage through each or either  
30 of them may be opened or closed, so that the draft up each of them may be effectually governed, and the whole be directed under either of the boilers.

D, D, is the top plate of the stove, in  
35 which there are three boiler holes, corresponding with the three compartments into which the body of the stove is divided, as shown in Fig. 2. Each of these compartments is furnished with a distinct flue  
40 E, E, E, leading to the respective pipes c, c, c, Fig. 1, in which figure these flues are covered, and hidden, by the top plate D, D.

A sunk ash pit F, F, is formed in the  
45 bottom plate, or hearth, of the stove, and this is furnished with a suitable grating, and a sliding cover G, operating in the ordinary way. The back plate H, H, of the stove, I form in a triple curve so as to  
50 concentrate the heat the more perfectly around the boilers in the passage of the draft to the flues.

Having thus fully described the manner in which I construct my working stove, what I claim therein as constituting my in- 55 vention, and desire to secure by Letters Patent, is—

The triple curved form given to the back plate thereof, for the purpose of concentrating the heat upon the boilers, in combination with the elevated oven, and with  
60 the separate flues E, E, E, leading from the three compartments of the body of the stove to the three pipes which connect them with the oven flue. 65

LESTER TILDEN.

Witnesses:

WEBBER TILDEN,  
NEWELL KINSMAN.

*Disclaimer.*

Whereas Letters Patent for an Improve- 75  
ment in Cooking-Stoves were granted to  
me by and under the authority of the  
United States on the eighteenth day of  
July, in the year of our Lord one thousand  
eight hundred and forty, and duly recorded 80  
in the Patent Office of the United States,  
and where doubts have arisen in the con-  
struction of the specification annexed to  
said Letters Patent, I hereby and herein  
state what I claim as my invention and re- 85  
quest to have the same recorded in the said  
Patent Office as part of my said specifica-  
tion.

In the summary of said specification, I  
do not intend to claim that I am the orig- 90  
inal inventor of a triple curve plate, but  
claim to have invented or discovered the  
combination of a triple curve plate with the  
three separate flues and elevated oven, there-  
by more perfectly concentrating the heat 95  
around each of the several boilers, and ob-  
taining a more perfect control of the heat.

In witness whereof I hereunto subscribe  
my name this 18th day of March, A. D.,  
1843.

LESTER TILDEN.

In presence of—

HARVEY TILDEN,  
WEBBER TILDEN.