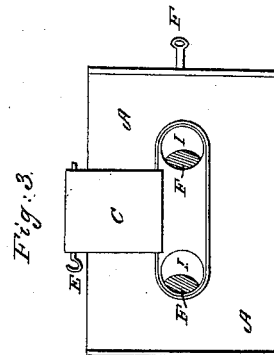
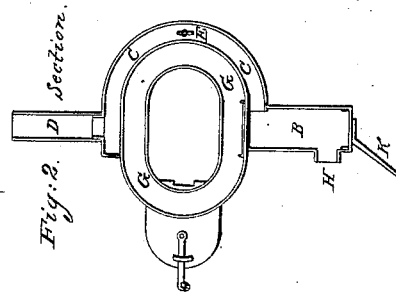
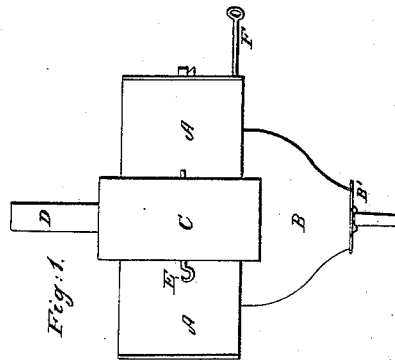


S. B. SPAULDING.  
Domestic Oven.

No. 2,235.

Patented Aug. 28, 1841.



# UNITED STATES PATENT OFFICE.

SAMUEL B. SPAULDING, OF BRANDON, VERMONT.

## METHOD OF COMBINING ELEVATED OVENS WITH COOKING OR OTHER STOVES.

Specification of Letters Patent No. 2,235, dated August 28, 1841.

*To all whom it may concern:*

Be it known that I, SAMUEL B. SPAULDING, of Brandon, in the county of Rutland and State of Vermont, have made an improvement in the manner of combining elevated ovens with cooking or other stoves, by which improvement they may be attached to stoves of nearly every description, whether originally made for the purpose of cooking or for heating apartments only; and I do hereby declare that the following is a full and exact description thereof.

In my improved mode of attaching elevated ovens to stoves, the ovens themselves are of the same kind with those in ordinary use, and which are constructed either in an oval, or a cylindrical form. In adapting the elevated oven to stoves not originally intended to have them appended thereto, I construct what I denominate a connecting pipe, which is of a peculiar form; the lower end of it has an opening of such size as to fit on to the collar, or rim, of the stove to which the stove pipe is ordinarily fitted. The upper end of this connecting pipe, which is to be attached to the lower side of the oven, is widened out so as to embrace two openings which lead from it into the flue that surrounds the elevated oven; through these openings the heated air from the stove passes into said flue at a suitable distance from the center and ends of the oven to insure the regular diffusion of heat. When the elevated oven is not to be used, and it is desired to carry the heated air directly to the exit pipe, it is made to pass along a flat flue which encircles one half of the oven, the course of the draft being governed by means of suitable dampers. By means of this flat flue, the apparatus is rendered peculiarly compact.

In the accompanying drawing, Figure 1, is a back view of the elevated oven, with the connecting pipe by means of which it is to be attached to a stove.

A, A, is the body of the oven, and B, the connecting pipe, the lower end B', of which pipe is to be left open, and is to be of such size as to fit on to the neck, or collar, intended to receive the stove pipe, when such neck, or collar, is on the upper side of the stove; but when such neck, or collar, is on the back or side plate of the stove, the lower end of the connecting pipe is to be closed, and an opening is to be made on the fore side of it, as near as may be to its lower end,

by means of which opening it is to be connected to the neck, or collar, of the stove. The connecting pipe B, may be from 12 to 15 inches in height, more or less, as may be preferred; in its ascent from its lower end it gradually widens out, so that at its upper end it may measure 16, or 18 inches from side to side, so as to embrace the two openings, before named, which lead from it into the flue surrounding the oven; its depth from front to back may be the same with that of the diameter of the collar on to which its lower end is to fit, say from 4 to 6 inches, according to the size of the stove. C, is a flat flue which embraces one half of the outer case of the elevated oven, said flue leading from the connecting pipe B, to the exit pipe D, at the top. There is a valve, or damper, in this flue, by which it may be closed when desired, in which case the draft will be through the oven flue; the handle of this damper is shown at E. There are, also, dampers which close the two openings leading from the connecting flue B, into the oven flue; these are both operated by one rod, the handle of which is shown at F.

Fig. 2, is a transverse section through the middle of the oven and its appendages in that part. B, is the interior of the connecting pipe; C, the flat flue leading from it to the exit pipe D. The damper in this flue is seen at E. G, G, is the flue surrounding the oven; H, the opening on the side of the connecting flue, when it is intended to connect it with a stove having the neck or collar, for the smoke, or exit pipe on one side of it. K, is a leg which may be used to sustain the oven.

Fig. 3, shows the under side of the oven with the connecting pipe removed. I, I, are the two openings leading into the oven flue, and which may be closed by the dampers F, F.

Having thus, fully described the nature of my improvement, by which I adapt an elevated oven to stoves of every kind, which have a neck, or collar, to receive a smoke, or exit pipe, what I claim therein as of my invention, and desire to secure by Letters Patent, is—

1. The manner herein described of combining the elevated oven with the stove by means of a connecting pipe, constructed and arranged in the manner set forth; that is to say, having an opening at its lower end adapted to the neck, or collar, of the stove,

and widening out at its upper end so as to embrace the two openings leading into the oven flue.

2. I also claim, in combination with the  
5 foregoing, the flat flue C, leading from the  
connecting pipe B, to the exit pipe D, and  
embracing the outer case of the oven in its  
passage, said flue being furnished with a  
valve, or damper, which, in combination  
10 with the valves, or dampers, F, will govern

the passage of the heated air from the stove,  
so as to direct it through the oven flue, or  
through the flue C, at pleasure. The whole  
apparatus being constructed, combined and  
arranged substantially in the manner herein 15  
made known.

SAMUEL B. SPAULDING.

Witnesses:

THOS P. JONES,

W. THOMPSON.