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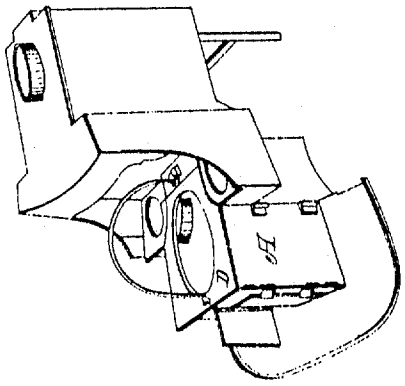
E. G. CURRIER.

COOKING STOVE.

Patented June 2, 1836.

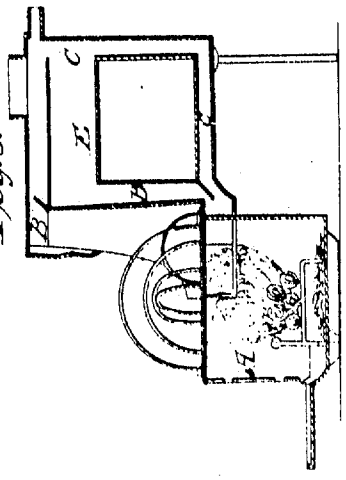
Perspective view of the stove closed.

Fig. 2.



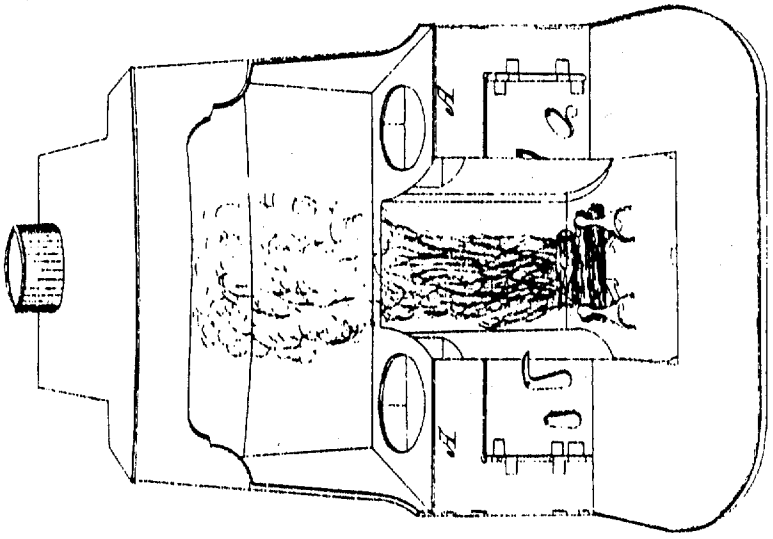

Section of the stove closed

Fig. 3.




Front view of the stove

Fig. 1.



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Ezekiel P. Currier of Warner New Hampshire

Letters Patent

The Schedule referred to in these Letters Patent and making part of the same containing a description in the words of the said Ezekiel P. Currier himself of his improvement on the open and close cooking stove No. 2,

To all to whom these presents shall come

Be it known that I Ezekiel P. Currier of Warner in the County of Merrimack, and State of New Hampshire have invented a new and useful combination and arrangement of the several parts of the "Open and Close Stove" designated as No. 2, by which they are so contrived as to be used for either the one or other purpose in a manner well adapted to domestic economy.

The front of this combined stove has the same general appearance as that of the other arrangement which I have also patented, and therein designated as No. 1: being like the ordinary Franklin stove, when used as an open one but may likewise be converted into a close one, by the following manner of construction, wherein. —— I shall point out the difference between this one and the other, patented and described under a previous date, —

The sides or jambs of this Franklin are not to be extended horizontally as for the other one - but will continue straight up, consequently presenting no means of support for cooking vessels there; but at about the same horizontal line on which they would have been; is placed a flange across each side or jamb so as to receive the lift plate of the close stove to rest on it. The flue or draught into the back apartment is consequently immediately through the back of the close stove, which consists of that part of the back of the Franklin which is usually made perpendicular and is to be below the flanges above mentioned, being divided longitudinally so that the upper half of this back plate shall work as a damper, by a hinge joint on the top of the lower one, the handle of the axis passing through the jamb for that purpose. — When the open stove is required, this damper is shut up, or brought to a perpendicular, and consequently the draught.

Additional improvement added, Dec. Rounds 1837.

follows the usual course of the Franklin and passes out behind the top plate, under the opening for the water vessel as in my first arrangement

But when the above stove is desired there the damper being opened outward from the back, admits the draught at once into the top of the chamber which surrounds the oven, according to the similar construction of the former described patent, there being this difference in the situation of the said apartment, that it is in this instance placed on the bed or bottom plate of the stove & rises to about the same level as the top plate thereof the remaining space above is left open, and a hollow cylinder connects the back part of the top plate of the above stove with the under part of the lower plate of the draught passage leading from the Franklin top to the water vessel, so that, the draught from the above stove open into the space above the oven, & continuing on past the damper placed across the space from end to end of the oven, and upwards through the cylinder into the escape pipe placed on the top thereof, as in the first described patent These dampers operate so as to close or open the communication over the oven, & for that purpose have each a handle projecting above the end of this oven resting on the side plate, the other end being supported by a division plate set up vertically, & continuing on under the cylinder to the back side of the apartment. When it is desired to force the draught underneath the oven. these dampers are raised upright & shut off the current & it then descends the space behind the Franklin or above stove back; thence underneath, & again up the back of the oven, into the cylinder beneath the water vessel and out at the escape pipe. The oven is furnished with a door situated as that of the first described patent, & on the top plate of this apartment adjoining the first described damper, are openings for the insertion of cooking vessels as usual. The front of the Franklin is closed into a above stove, by using semicircular sides which are hung upon the edges of the jambs by hinges so as to fold entirely back when not wanted, or can be brought forward, and above round flanges left on the hearth, or bed plate for that purpose, each one to contain a door to the stove. ed top plate perforated for cooking vessels shuts over them as in the first described patent, having also a handle, fitting

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into a staple & year, as therein shewn; and the whole thus presenting a round ported stove, to be furnished with legs, & scraper & ash, as in the other mode of arrangement. The oven will also contain holes for the escape of steam &c.

What I claim as my invention, is not the principle of changing an open to a close stove, But the peculiar arrangement I have above specified by which I arrive at the change of form so as to connect the moveable sides, and top piece into a close stove, from an open one, & the adaptation of the dampers & flues as set forth. to open the draught into the apartment, & there manage it in its circulation around the oven, & at the escape pipe, as may be desired; which arrangements when so combined with to the best of my knowledge & belief appear to be new and not heretofore used.

In testimony that the above is a full description of my improvement I have hereunto set my hand this twelfth day of April. 1836.

Ezekiel G. Currier

Witnesses
Frank. Pierce.
D. A. Hale.

Drawing.

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(Patented June 2. 1836)