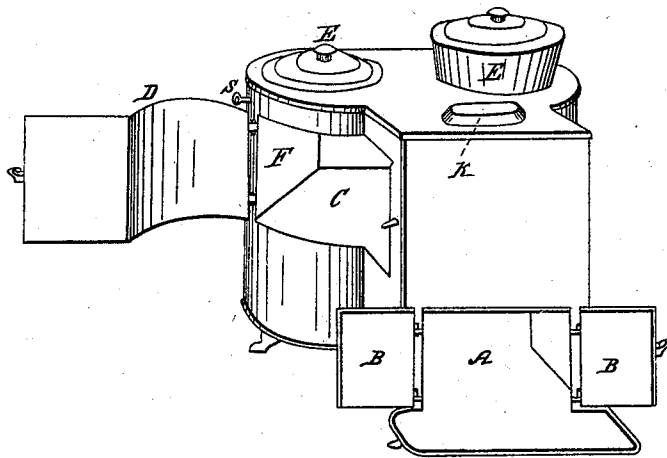


C. WILSON, Jr.  
Cooking Stove.

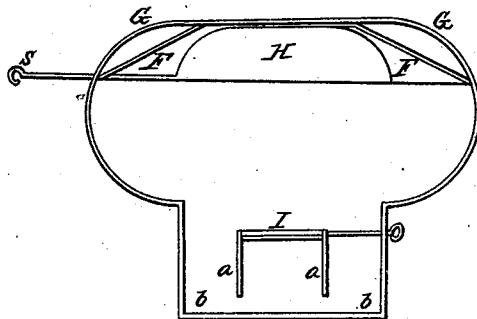
No. 543.

Patented Dec. 29, 1837.

*Fig. 1.*



*Fig. 2.*



# UNITED STATES PATENT OFFICE.

CARINGTON WILSON, JR., OF NEW YORK, N. Y.

## COOKING-STOVE.

Specification of Letters Patent No. 543, dated December 29, 1837.

*To all whom it may concern:*

Be it known that I, CARINGTON WILSON, Jr., of the city and State of New York, have invented a new and useful Improvement in Cooking-Stoves, and that the following is a full and exact description thereof.

In the annexed drawings, Figure 1, is a perspective view of the stove, the plan of which may be either a square, an oblong rectangle with a projecting front, or of an elliptical form with a projecting front, as represented in the drawings, which latter figure I prefer as being most compact and convenient. Fig. 2, represents a direct view with the top plate of the stove removed, so as to show the arrangement of the flues, etc.

The same letters refer to similar parts in both the drawings.

A, is the fire chamber, B the doors thereof, C, the floor of the oven, which is closed by a large door on each side, one of which is seen at D; E, E, represent the boilers at the back corners of the stove; the openings in the plate, when the boilers are removed, being furnished with covers in the usual way as also with rings, for adjusting them to boilers of different sizes. F, F, represent the diagonal plates, which rest on the oven floor and with the side plates of the stove form the flues, seen at G, G; H, is a sliding valve or cover with a handle S by which either of the flues, or both, may be opened at pleasure; I, represents a hinge valve

which works between two short upright plates, *a, a*, under the smoke funnel K, by which the direction of the heat and smoke, in its passage from the flues to the funnel can be changed, so as to cause it to pass through the remote front corners *b, b*, of the stove. I sometimes also effect this object, by dispensing with the valve I, and extending the upright plates *a, a*, quite to the back plate of the stove, making the smoke funnel either in the back plate of the stove or near the remote margin of the top plate by which arrangement the heat and smoke is caused to circulate under every portion of the top plate, which latter may likewise be pierced with additional openings for boilers, to those above described.

Now what I claim as new and as my improvement in the above described stove, for which I ask Letters Patent, is—

The plan of carrying the flues up the remote corners of the body of the stove, as above described by diagonal plates, and the arrangement so far as connected with this object, by which the stove is rendered much more compact and the dimensions of the oven may be proportionately enlarged.

In testimony whereof I have hereunto set my hand this 30th day of November, 1837.

CARINGTON WILSON, JR.

Witnesses:

WM. T. STEIGER,  
CLEMENT F. COOTE.