(12) **United States Patent**
Hopkins

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(54) **COOKING STOVE**

(76) Inventor: **William A. Hopkins**

Letters Patent.

William A. Hopkins.

The Schedule referred to in these Letters Patent and making part of the same, containing a description in the words of the said William A. Hopkins, himself, of his improvement in Cooking Stoves.

To all to whom these Presents shall come:

Be it known that I, William A. Hopkins of the City County and State of New York have invented new & useful improvements in Cooking Stoves for the burning and use of Anthracite coal and that the following is a full and exact description of the construction and operation of the said Machine as invented by me.

Firstly. - a sliding or movable grate resting on cleats in each cheek of the Stove (which is of the Franklin shape) that can be moved forwards and backwards. The grate constructed with with bars in the rear corresponding with those in front, inclining a little outwardly from bottom to top, or made upright like the bars in front (the principle being the same) so as to create an upright narrow draught or flue running up parallel with the rear bars of the grate and the back plate of the Stove the same flue being enlarged if necessary by drawing the grate forth. The most powerful draught of air being produced all around and through the grate when the grate is so placed as that the doors which open in front of it may be closed, thereby creating a rapid uniform and constant ignition of the coal, and at the same time economising the fuel as the quantity may be limited according to the required degree of heat.

Secondly - an oval oven which receives the heat and smoke (from the horizontal flue leading from the stove) immediately at the centre of the underside, into the bottom flue of the oven, which flue is nearly the length of the oven dividing the heat and smoke equally, and running up on both sides of the oven, without angles or corners to obstruct or lessen the strength of the draught - thence passing off at

the top of the oven in two separate flues with branch pipes to terminate in one: thereby furnishing an uniform heat throughout the oven, not attainable in any other fashioned Cooking Stove Oven. The form and construction of the grate and oven are such, that a bright, brilliant and durable heat is produced affording the facility to roast, to boil and to bake at one and the same time.

Witnesses Wm Thomas
Robt P. Adams

William A. Hopkins

(Patented 30th. Sept. 1834)

420 words