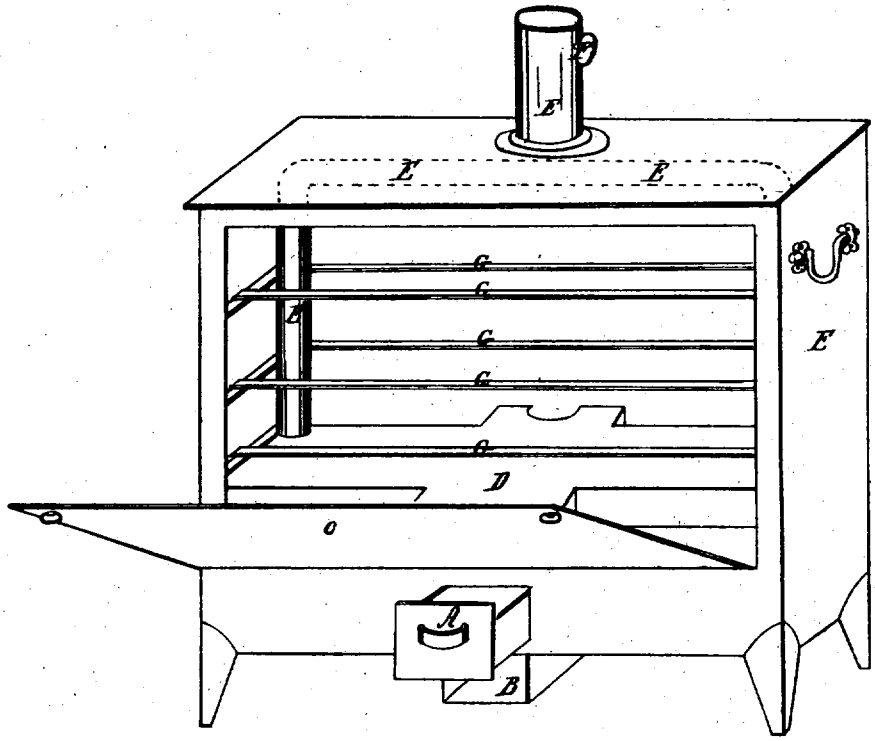
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J. IGGETT.

Portable Cooking Stove.

Patented Jan'y 16, 1835.



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John Iggett, of Albany, N. York.
Letters Patent

The schedule referred to in these Letters Patent and making par of the same, containing a description in the words of the said John Iggett, himself of his improvement in a portable Cooking Stove.

To all to whom these presents shall come: John Iggett, Tin & Sheet iron worker, of the City and County of Albany & State of New York sends Greeting,: Be it known that I, the said John Iggett, have made invented, constructed and applied to use a new and useful method of heating an oven, stove, and heaters for cullinary and other purposes and called by me the portable stove and cullinary heater: and may be constructed as follows: the stove and heater of the medium size is twenty-seven inches long, fifteen inches wide, and twenty inches high, with a large door or folding doors upon the front or back communicating with the oven, with one or more tiers of horizontal bars, or beams, for placing the article to be cooked baked or roasted upon the sides, ends, and top to be made of tin or sheet or cast iron or any other suitable metalic substance lined with tin, the bottom to be of cast or sheet iron or tin, the horizontal bars or beams are placed at such distances apart in the oven, as will best accommodate the article to be cooked, the beams are supported at either end by strips fastened to the ends of the oven: the fire is applied in the centre, at the bottom of the oven, by means of a moveable sliding cast or sheet iron box grate, of square or round form, and is retained in its place by means of grooves or supports made of iron or other metalic substances, under or upon the bottom plate of the oven, the grate must vary in size to suit the stove, or heater for which it is intended; directly over the grate is placed an inverted basin or heater, of square or round form projecting up into the oven two or more inches, and is riveted and secured to the bottom plate of the oven; from each side of the heater, a sheet iron or cast iron

heat, or conducting pipe projects, extending along and a little above the bottom plate, to within an inch of the end of the oven, thence perpendicular along the ends of the oven, to within an inch of the top plate, thence horizontally again a little below the bottom of the top plate to the centre, where the two pipes intersect and are connected by a larger pipe, which conveys off the smoke and steam from the grate - a damper may be placed in the larger and small pipes - I, the said John Iggett also claim the invention of making the above described stove in every respect similar except that the heat and smoke conductors may extend directly out of the top at each end of the stove: and I the said John Iggett, claim as my invention, the making & constructing the portable stove & culinary heater similar in all respects to the one first described, excepting the grate & heater, which I will vary by introducing a moveable heater & grate of a square or round form made larger at the top than at the bottom, projecting two or more inches up into the oven and three or more inches below the bottom of the oven. the box or sliding grate rests upon the ribs in the lower part of the heater leaving a space below the grate in the box sufficiently large to contain the ashes, with a damper at one or both ends the top of the heater to be so constructed, if required, as to be taken off to receive a griddle, gridiron, boilers, or other articles to be heated by coming in contact directly with the fire in the grate -

And I the said John Iggett claim as my further invention, the making and constructing the portable stove and culinary heater, in all respects similar to those heretofore described, excepting that I will divide the oven of the stove into two or more separate and distinct, and separate departments, so that various kinds of of cooking and heating may be performed at one and the same time.

And I, the said John Iggett, do claim as my further invention of making and constructing the portable stove & culinary heater, in all respects similar to the former, excepting that I will make the stove round or oval, and introduce, instead of the bars, or beams, a rotary shaft standing upon the centre of the heater, and extending to the top of the oven upon which said rotary shaft I will place shelves for supporting any articles to be cooked or heated, the shelves to be placed at suitable distances apart upon the shaft by means of pins going through the shaft

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and directly under the shelves, and may be lowered or elevated at will. And rotary shaft and shelves may be taken out and replaced as required —

And I the said John Iggett do claim as my further invention the making and constructing the said portable stove & culinary heater similar in all respects to the one first described, excepting I will make the sides of the box grate concave, in order to allow the heat to ascend between the outside of the grate and the inside of the lower projections of the heater, and also of constructing an outside casing at the outside of the lower part of the heater, leaving a space between the heater and the casing, communicating with the heater and conducting pipes inside of the oven, or with the oven directly —

And the said John Iggett, further claims the application of the inverted basin or heater, box grate, heat & conducting pipes rotary shaft & shelves, moveable top upon the heater, the division of the oven into different apartments, and all and singular, the various modes of constructing the same, herein before described — either with a round, square, oval, oblong, any & every shaped box or stove, heater, tank, vessel of any, and every description, whereby the operation & action of the heat is the same as herein before described — —

In testimony that the above is a true specification of my said invention or discovery, as above described, I have hereunto set my hand this eight day of December in the year eighteen hundred and thirty-four. 1834

Witnesses
Genit L. Dox
W. G. Ward

John Iggett

Exd
HPH

1092 words.

(Patented 8th January 1835)

(Drawing)