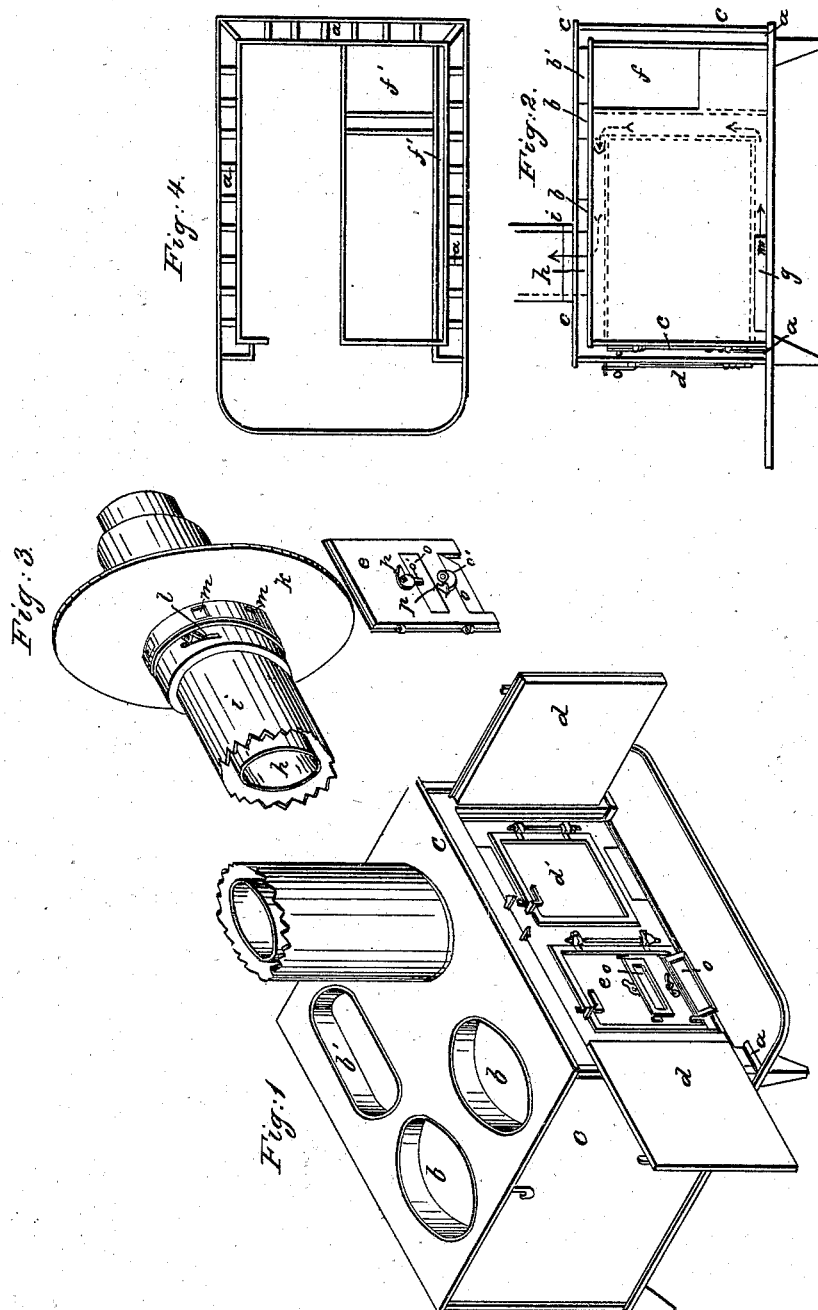


F. KESSELMEIER.

Cook Stove.

No. 3,535.

Patented April 13, 1844.



UNITED STATES PATENT OFFICE.

FRIEDRICK KESSELMEIER, OF WOOSTER, OHIO.

COOKING-STOVE.

Specification of Letters Patent No. 3,535, dated April 13, 1844.

To all whom it may concern:

Be it known that I, FRIEDRICK KESSELMEIER, of Wooster, in the county of Wayne and State of Ohio, have invented a new and useful Improvement in Cooking-Stoves; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing, which forms a part of this specification, in which—

Fig. 1 is an isometrical view, Fig. 2 side section showing the flues, Fig. 3, detached parts, Fig. 4 bottom plate.

The nature of my invention consists in casing the stove in the manner hereafter described, and in the arrangement of the flues by which a more equable distribution of heat is effected.

The construction is as follows, a stove nearly of a cubical form is made with a projecting hearth in front and having the bottom plate extend beyond the sides as at (*a*) all around; in the projection on the sides and back there is a row of square holes, for a purpose hereafter named; in the top plate there are two boiler-holes on one side (*b, b,*) and an oblong one near the back (*b'*). These are surrounded by flanges which project up to the outer case. The outer case (*c*) is similar in shape to the stove but large enough to leave a space between them all around it is furnished with doors (*d*) which open nearly the whole front and in the top are holes which fit on over the flanges in the stove and form the boiler holes. The front of the stove has a door (*e*) that opens into the fire chamber and another door (*d'*) by the side of it opening into the oven. The fire chamber is situated on one side of the stove, and through the partition that separates it from the oven at the back upper corner an aperture *f* is made into a flue *f'* behind the oven next the case; this flue extends around the whole side of the oven opposite the fire chamber and enters the flue that is under the oven through a hole (*g*) in the lower front corner; from below the

oven the flue extends up back of the oven, between it and the flue first named, and over the top, to the front, where it connects with the flannel at (*h*); the aperture in the case through which the flannel passes is large enough to leave a space all around as great as that between the case and the stove, there being a funnel or jacket (*i*) outside the smoke pipe that can be made to carry off the heat.

Near the ceiling of the room the outer pipe (*i*) has a concave disk or bonnet (*k*) surrounding it and extending out two or more feet and just under it a row of apertures (*m*) are made into the pipe which can be closed by a sliding valve of ordinary construction a similar valve (*l*) in a diaphragm between the pipes at a point below the valve just described stops the ascent of the heated air; the first named valve is for the purpose of conveying away steam, &c., from the stove while cooking by means of the bonnet above named.

The door of the fire chamber is furnished with two valves (*o*), which cover oblong horizontal slots therein and serve to regulate the fire, the valves are raised by means of a revolving cam (*p*, Fig. 3) above them that acts on an arm (*o'*) on said valves and forces out the under part they being suspended by the top; the front doors of the case have a space between them and the case.

What I claim as my invention and desire to secure by Letters Patent is—

1. Covering the stove with a case in the manner described, so that the flanges around the boiler holes shall connect with said case for the purpose specified.

2. I also claim the combination and arrangement of flues, herein fully described by which a more equal distribution of heat is effected.

FRIEDRICK KESSELMEIER.

Witnesses:

J. J. GREENOUGH,
LAFAYETTE CALDWELL.