

J. HACKETT.
Heating Stove.

No. 105,672.

Patented July 26, 1870.

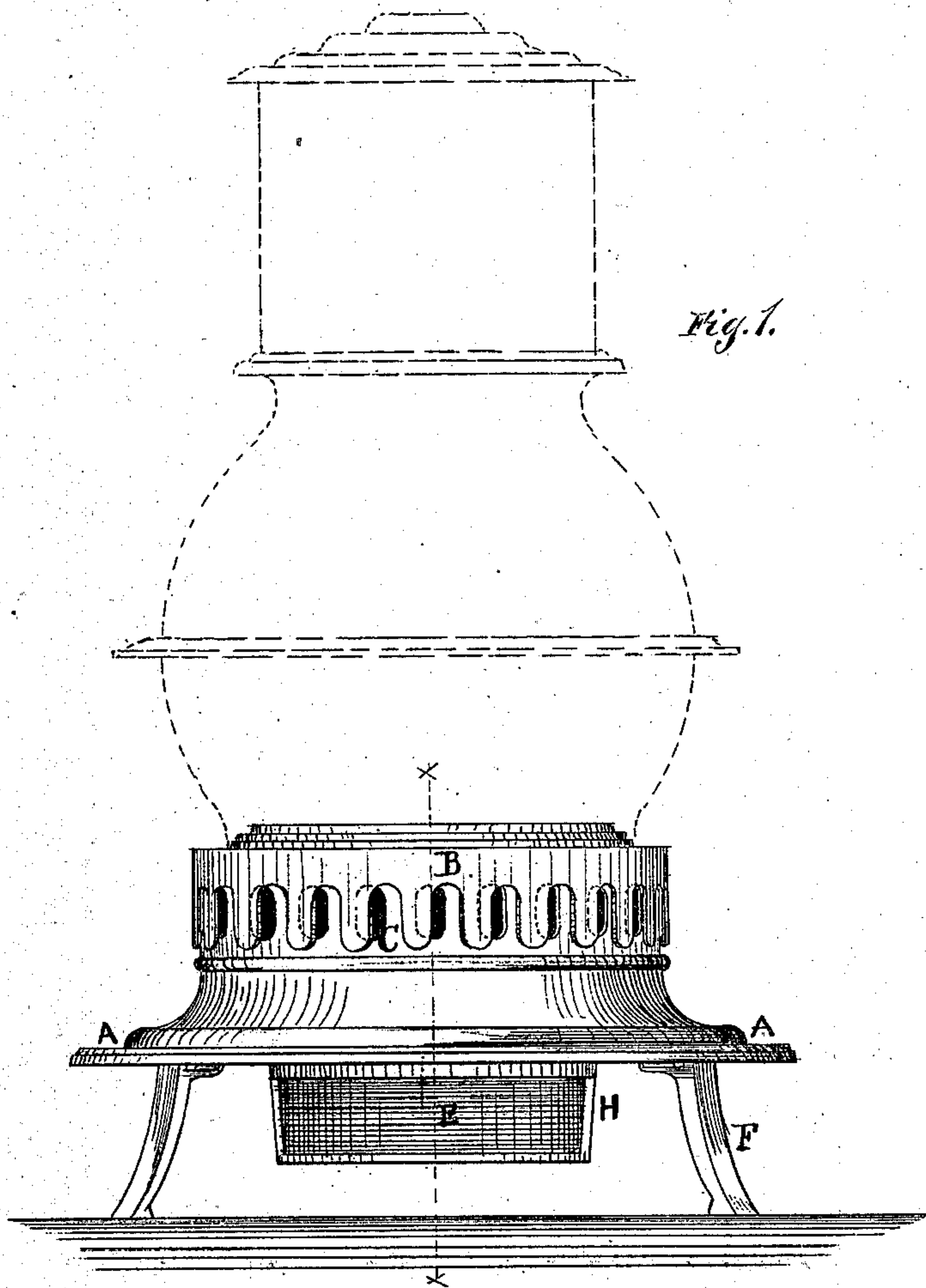
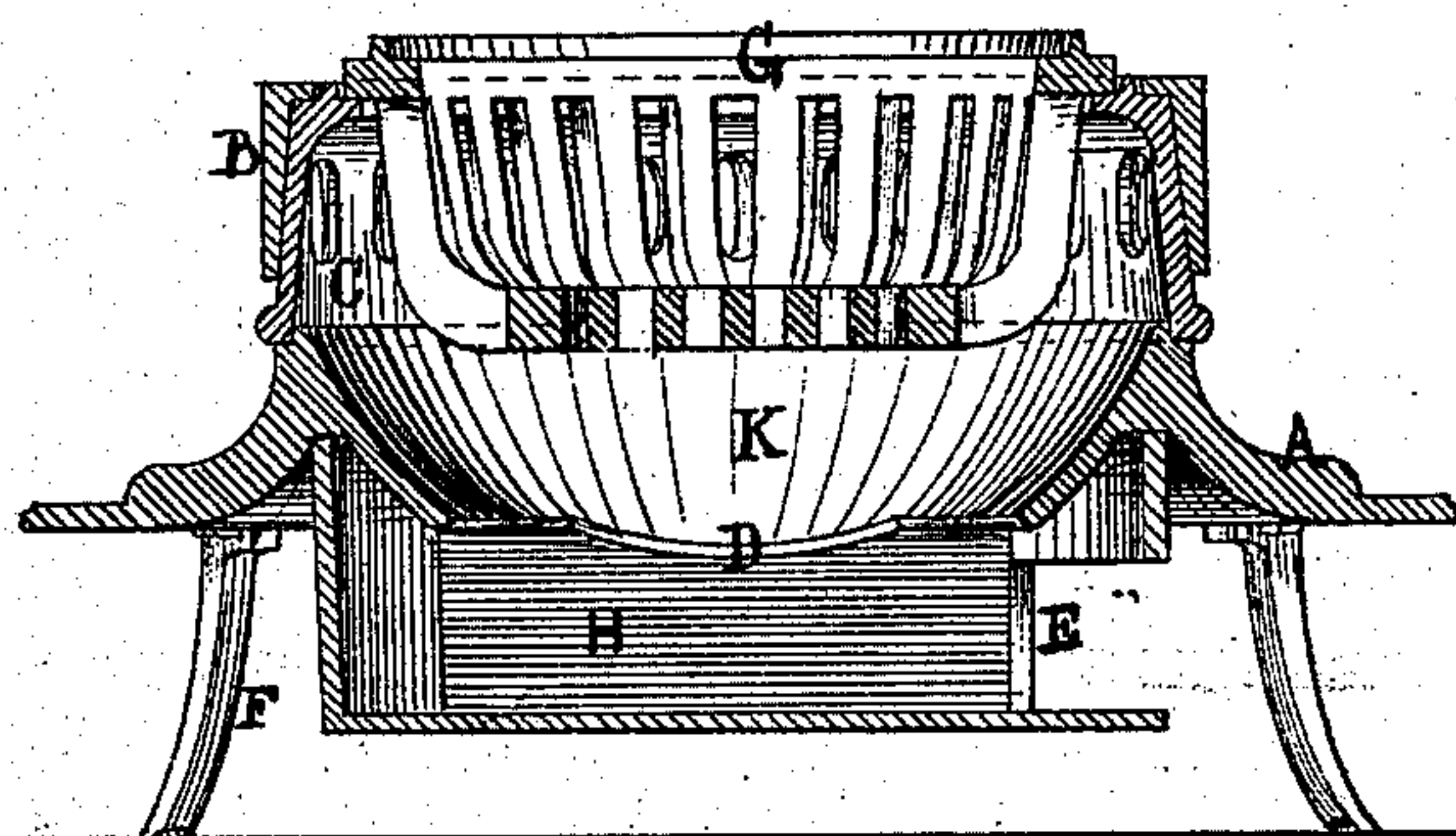


Fig. 2.



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United States Patent Office.

JOSEPH HACKETT, OF LOUISVILLE, KENTUCKY.

Letters Patent No. 105,672, dated July 26, 1870.

COAL-STOVE

The Schedule referred to in these Letters Patent and making part of the same.

I, JOSEPH HACKETT, of the city of Louisville, county of Jefferson, and State of Kentucky, have invented certain new and useful Improvements in Stoves for the purpose of warming dwellings, offices, business houses, and other similar purposes, of which the following is a specification.

The first part of my invention consists in the peculiar construction and arrangement of a universal register placed near the bottom of the stove, immediately around the bars of the fire-grate, exposing the fire unobstructed through the openings in the register, by means of which air is admitted to the grate on all sides, causing the fire to burn rapidly, producing a high degree of heat, which is thrown out into the apartment, through the openings in the register, with a much greater intensity than when inclosed by outside casing, as now in common use, and thereby causing a great saving in fuel; and, when it is desirable, the outside ring or damper of the register can be closed, and made to act as a damper, regulating the temperature of the apartment in which it is used.

The second part of my invention relates to that part of the bottom of the stove immediately around and under the fire-grate, which part is made in the form of a dish or hopper, with an opening in the center, through which the ashes fall into the pan below.

Finally, my invention consists in the construction, arrangement, and combination of parts as hereinafter described and claimed.

Having thus fully described the nature of my invention, its construction and operation will be more fully set forth by reference to the drawing, in which—

Figure 1 is a side elevation of the base of a stove provided with my improvements, the upper part of the stove being represented by dotted lines.

Figure 2 is a vertical central section of the lower

part of a stove, constructed according to my invention.

Similar letters of reference indicate like parts in the two figures.

A is the bottom of the stove.

C is the inner ring of the register containing the openings.

B is the slide or damper which closes them.

The peculiarity of this register consists in its arrangement, as shown, immediately around the bars of the grate, on the outside of the stove, for the purpose above set forth.

G is the fire-grate.

K is that part of the bottom immediately around and under the fire-grate, and which is made in the shape of a dish or hopper, by means of which the ashes are precipitated into the pan below.

D is the opening through the bottom.

H represents a box attached to the stove underneath, and adapted to receive the ash-pan.

E is the opening for the pan.

F F are the feet of the stove.

I am aware that a register encircling a stove is not new. Therefore I do not claim this feature, broadly; but

What I do claim as new, and desire to secure by Letters Patent, is—

The construction and relative arrangement of the damper and register B C, the grate, the ash-conducting flange, the ash-pan box, and the base A of the stove, substantially as and for the purposes herein described.

JOSEPH HACKETT.

Witnesses:

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