J. W. ELLIOT.

Stove.

No. 209,754. Patented Nov. 12, 1878.

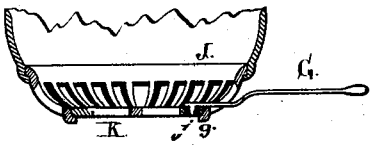


Fig. 4.

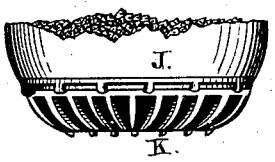
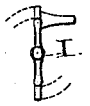


Fig. 5.



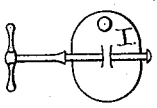


Fig. 3.

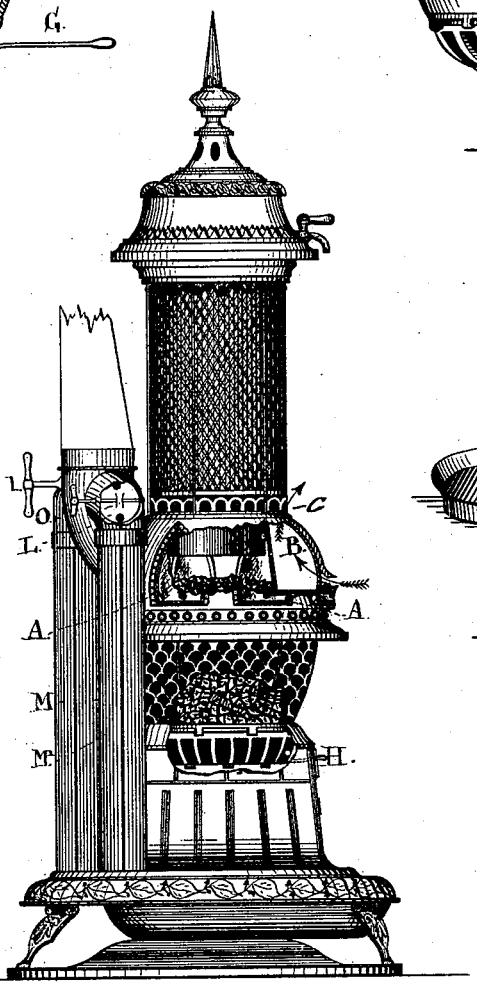


Fig. 1.

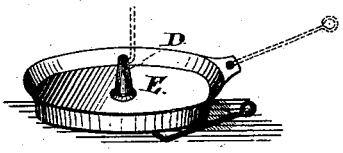


Fig. 2.

Witnesses:

L. Whitehead.

A. E. Curran

Inventor:

J. W. Elliot

by Ridout & Maybee Attys

UNITED STATES PATENT OFFICE.

JOHN W. ELLIOT, OF TORONTO, ONTARIO, CANADA.

IMPROVEMENT IN STOVES.

Specification forming part of Letters Patent No. **209,754**, dated November 12, 1878; application filed February 8, 1878.

To all whom it may concern:

Be it known that I, JOHN WHEELER ELLIOT, of the city of Toronto, in the county of York and Province of Ontario, surgeon-dentist, have invented certain new and useful Improvements in Stoves, which improvement is fully set forth in the following specification and accompanying drawing.

The principal object of the invention is to secure for heating purposes the greatest possible benefit of the fire contained in the stove; and consists in placing around the body of the stove a series of internally-projecting pockets overlapping the fire-pot, and so formed that the air of the room is admitted into the lower end of the pockets, and, after passing through them, re-enters the room, having become intensely heated through contact with the inner sides of the said pockets, which, as shown, are immediately over the hottest part of the fire.

Figure 1 is an elevation of the body of the stove with my air-heating pockets arranged therein. Figs. 2, 3, 4, and 5 are details of my stove, which parts, however, I do not seek to patent in this application.

In the drawing, A represents the mica lights around the top part of the body of the stove; B, the air-heating pockets placed between the mica lights. These pockets, it will be noticed, project into the stove at the hottest portion of the fire-pot. The cold air enters the pockets, as shown by arrows, and when heated escapes through the opening *c* in the jacket of the stove.

I do not claim, broadly, air-chambers projecting within the stove.

What I claim as my invention is—

The internally-projecting air-pockets B, overlapping the fire-pot J, and constructed as described, so that the air of the room is admitted through an aperture in the lower end of each pocket, and after becoming heated escapes through a hole in the top of the said pocket B, re-entering the room, substantially as set forth.

J. W. ELLIOT.

Witnesses:
O. K. CORLETT,
J. M. BACON.