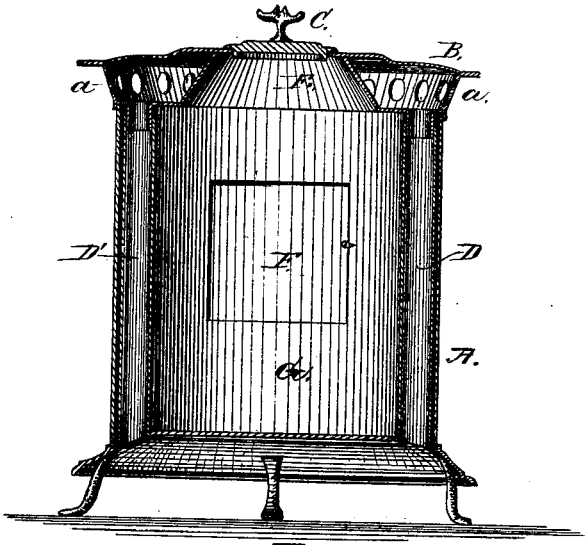
J. A. JONES.
Heating Stove.

No. 198,394. Patented Dec. 18, 1877.

Fig. 1.



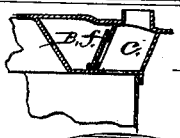


Fig. 2.

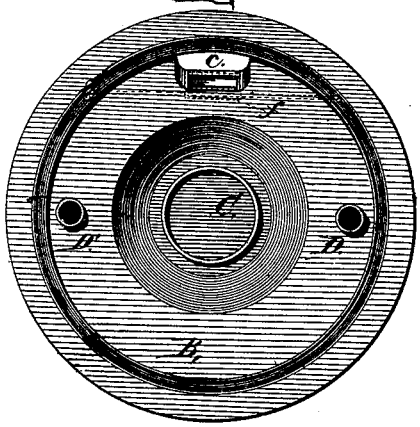


Fig. 3.

WITNESSES:
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J. ALBERT JONES, OF MARCELLUS, MICHIGAN.

IMPROVEMENT IN HEATING-STOVES.

Specification forming part of Letters Patent No. **198,394**, dated December 18, 1877; application filed November 8, 1877.

To all whom it may concern:

Be it known that I, J. ALBERT JONES, of Marcellus, in the county of Cass and State of Michigan, have invented certain new and useful Improvements in Heating-Stoves; and I do hereby declare that the following is a full, clear, and exact description thereof, that will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

The same letters and figures of reference are used to indicate the corresponding parts.

After describing the invention, its nature and extent will be shown in the claims.

Figure 1 is a vertical sectional view of my invention, looking from rear to front. Fig. 2 is a vertical sectional view of that part of the hot-air chamber which is connected with the flue by means of the damper. Fig. 3 is a bottom view of the hot-air chamber, or top view of the combustion-chamber.

A represents the walls of the stove, which is of cylindrical shape. B represents the hot-air chamber at its top. C is a cover for an opening at the top of the stove over the combustion-chamber. D D′ are two air-tubes, which communicate at an extremity with the hot-air chamber B, and, running through the combustion-chamber G, communicate with the cold air below the stove. The heating-chamber B is annular in shape, and surrounds the space represented by E, which is the upper part of the combustion-chamber G.

The letters *a a* represent openings from the heating-chamber B, through which the heated air may escape. These openings may be opened or closed by means of an annular damper. *f* is a damper, which opens from the hot-air chamber into the flue *c*. F is a door, through which fuel is placed in the stove.

I am aware that many heating-stoves of a complicated character have been invented and patented. Especially is this true concerning coal-burning stoves.

The object of my invention is to secure an improved wood-burning heating-stove which can be constructed cheaply and simply.

Having now fully described my invention, what I claim, and desire to secure by Letters Patent, is—

1. In a heating-stove, the annular heating-chamber B, provided with the perforations *a a* and the damper *f*, leading into the flue *c*, substantially as described, and for the purposes set forth.

2. The stove A, provided with the cold-air tubes D D′, located within the combustion-chamber G, in combination with the annular hot-air chamber B, the perforations *a a*, and the damper *f*, substantially as described, and for the purposes set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 25th day of April, 1877.

J. ALBERT JONES.

Witnesses:
URIAS P. HOLLEY,
ISAAC J. SCOFIELD.