

HARRIS & ZOINER.

Fireplace.

No. 63,885.

Patented April 16, 1867.

Fig. 1.

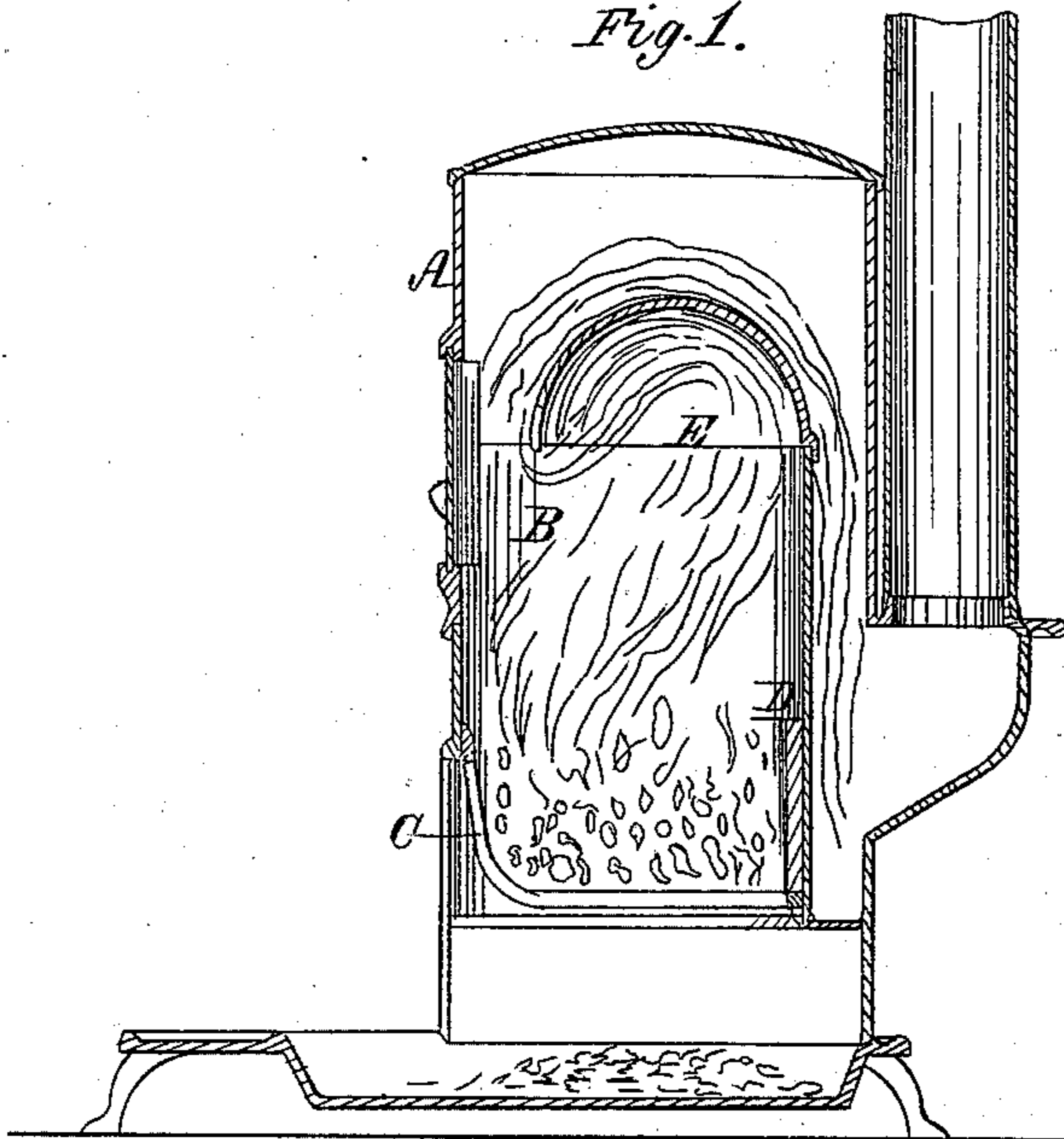


Fig. 2.

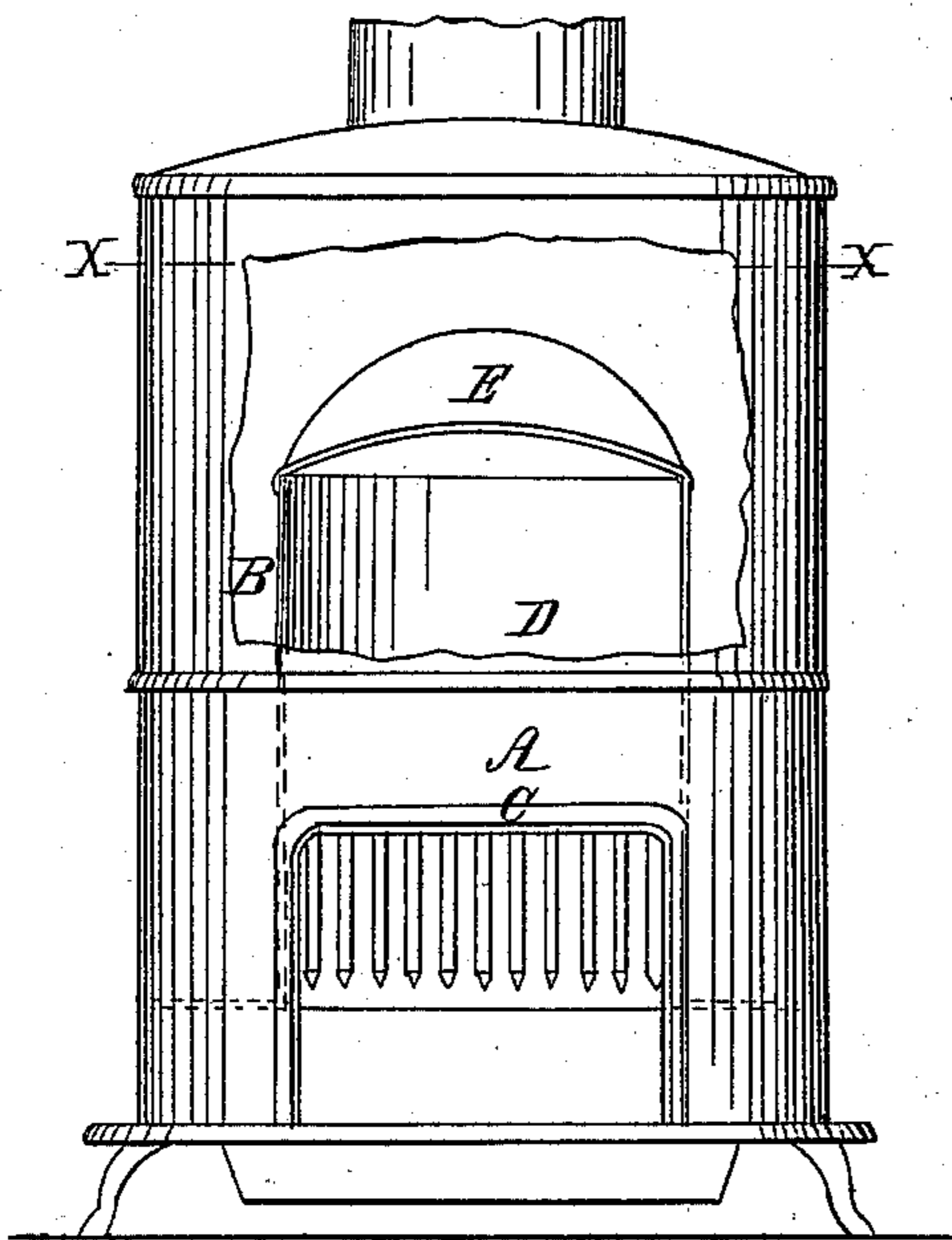
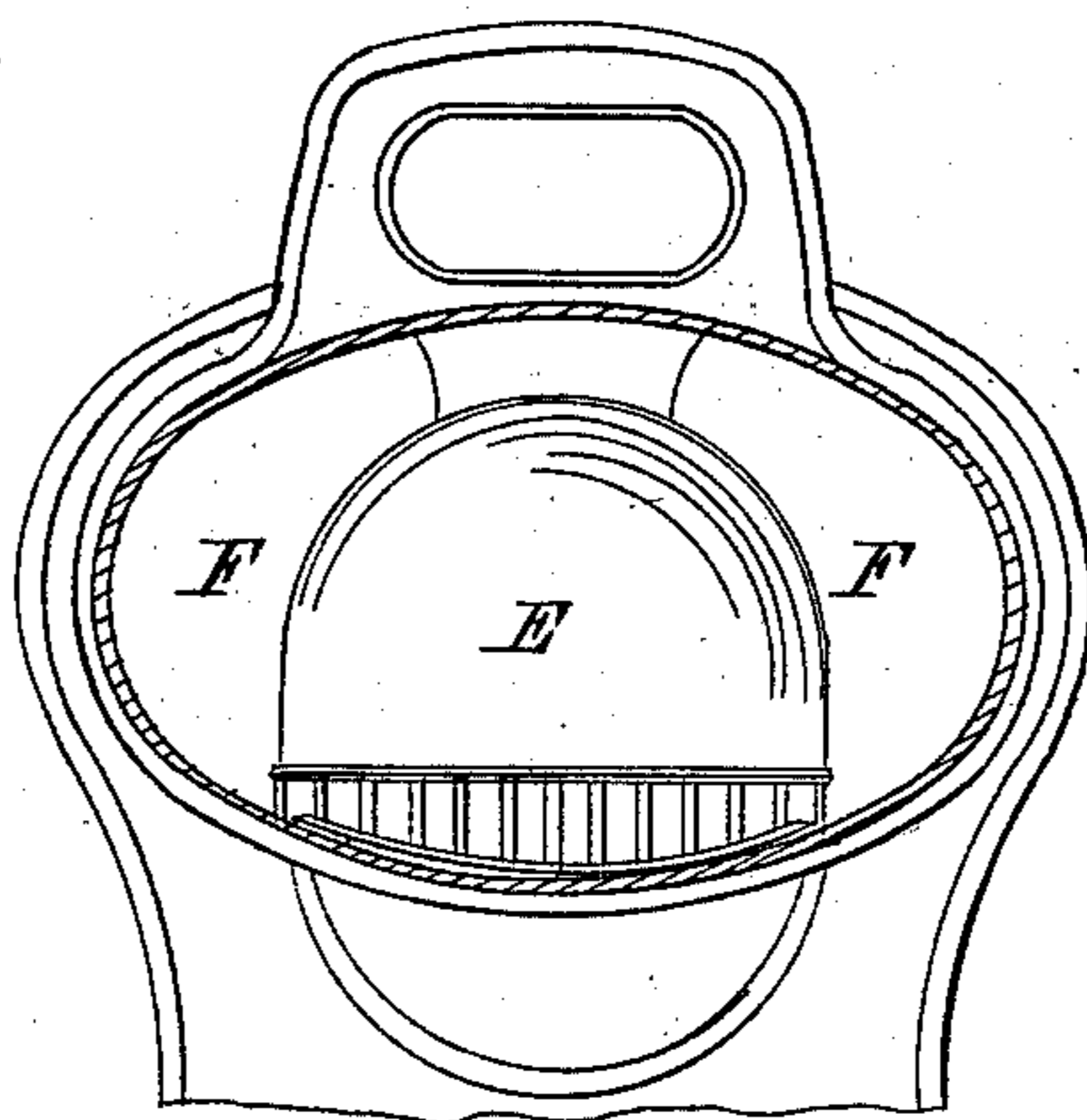


Fig. 3.



Witnesses,
J. H. Layman
H. G. Miller

Inventors,
Conrad Harris
Paul H. Zoiner
By Knight Bros
Attorneys

United States Patent Office.

CONRAD HARRIS AND PAUL W. ZOINER, OF CINCINNATI, OHIO.

Letters Patent No. 63,885, dated April 16, 1867.

IMPROVEMENT IN FIRE-PLACES.

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

TO WHOM IT MAY CONCERN:

Be it known that we, CONRAD HARRIS and PAUL W. ZOINER, both of Cincinnati, in the county of Hamilton, and State of Ohio, have invented a new and useful Improvement in Stoves and Grates; and we hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, making part of this specification.

This is an improvement in the class of heating-stoves and fire-places provided with an opening on one side towards the room or apartment to be warmed, and consists in the provision of an interior fire-pot, having a recessed crown or dome so arranged as to perform the double office of consuming the smoke and of reflecting radiant heat into the room.

Figure 1 is a longitudinal section of a stove embodying our invention.

Figure 2 is a front elevation of the stove, a portion of the case being broken away.

Figure 3 is a horizontal section at the line $x x$.

The outer shell or case A may be either of cast or sheet iron, and have the represented oval form. Centrally, or nearly so, within this shell, we suspend or support a fire-pot, B, of cast iron or tile, having a grated front, C, and a concave back, D, which is surmounted by a recessed crown or dome, E, which intercepts the direct exit of the smoke into the chimney at the sides and back, and compels it, after reverberating within the concavity of the crown, to seek the front thereof, whence it escapes into the flue. The annular space F around the fire-pot, and within the case, serves as a reservoir of heat, and prevents the undue heating of the surrounding air.

We claim herein as new, and of our invention—

The arrangement in a shell or case A, open in front, of the interior fire-pot B, having a grated front, C, and recessed crown E, closed rearward and laterally, and open in front, substantially as set forth.

In testimony of which invention we hereunto set our hands.

C. HARRIS,
P. W. ZOINER.

Witnesses:

GEO. H. KNIGHT,
SAMUEL KNIGHT.