

E. A. OSBORNE.
Heating-Stoves.

No. 146,840.

Patented Jan. 27, 1874.

Fig. 1.

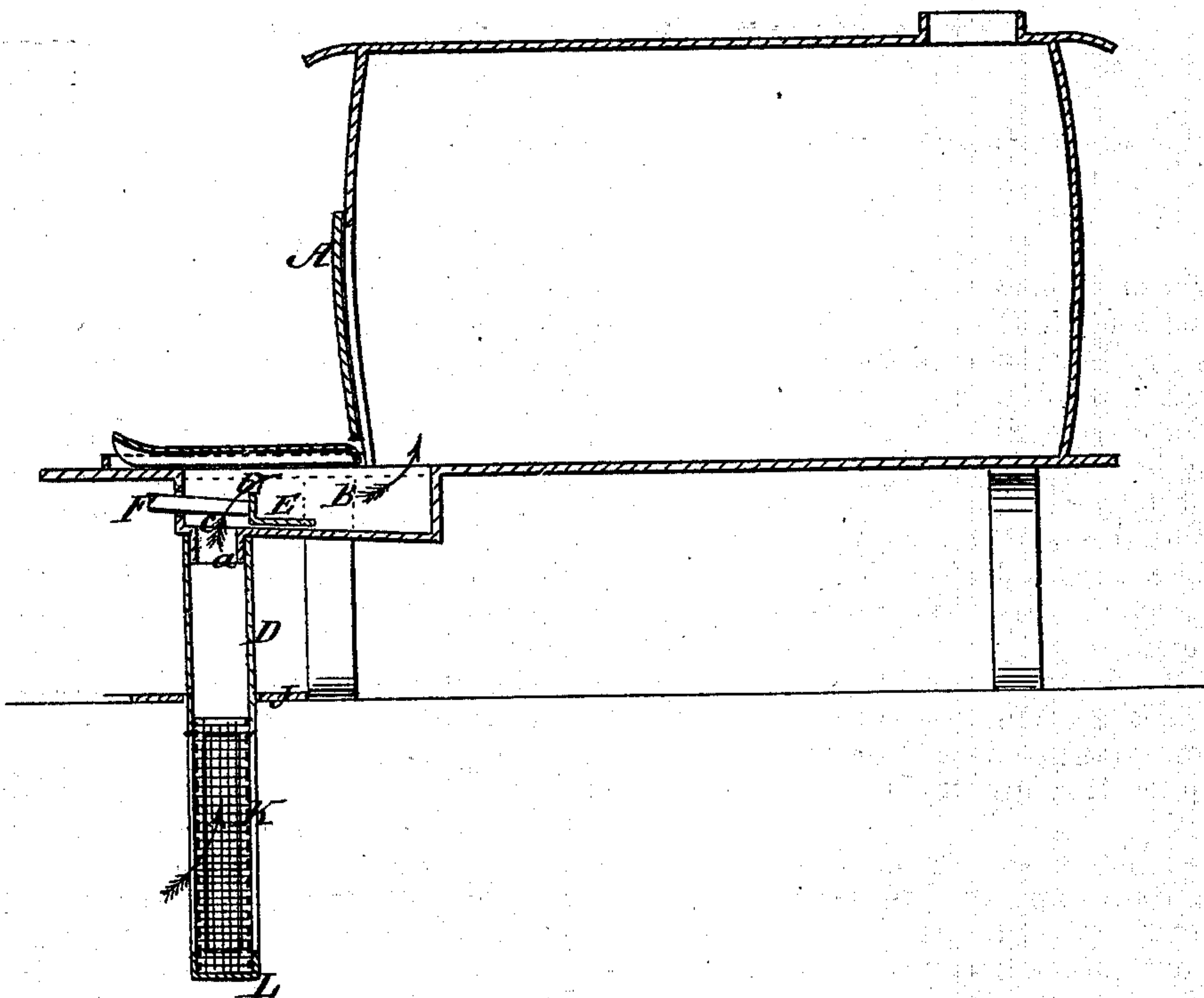
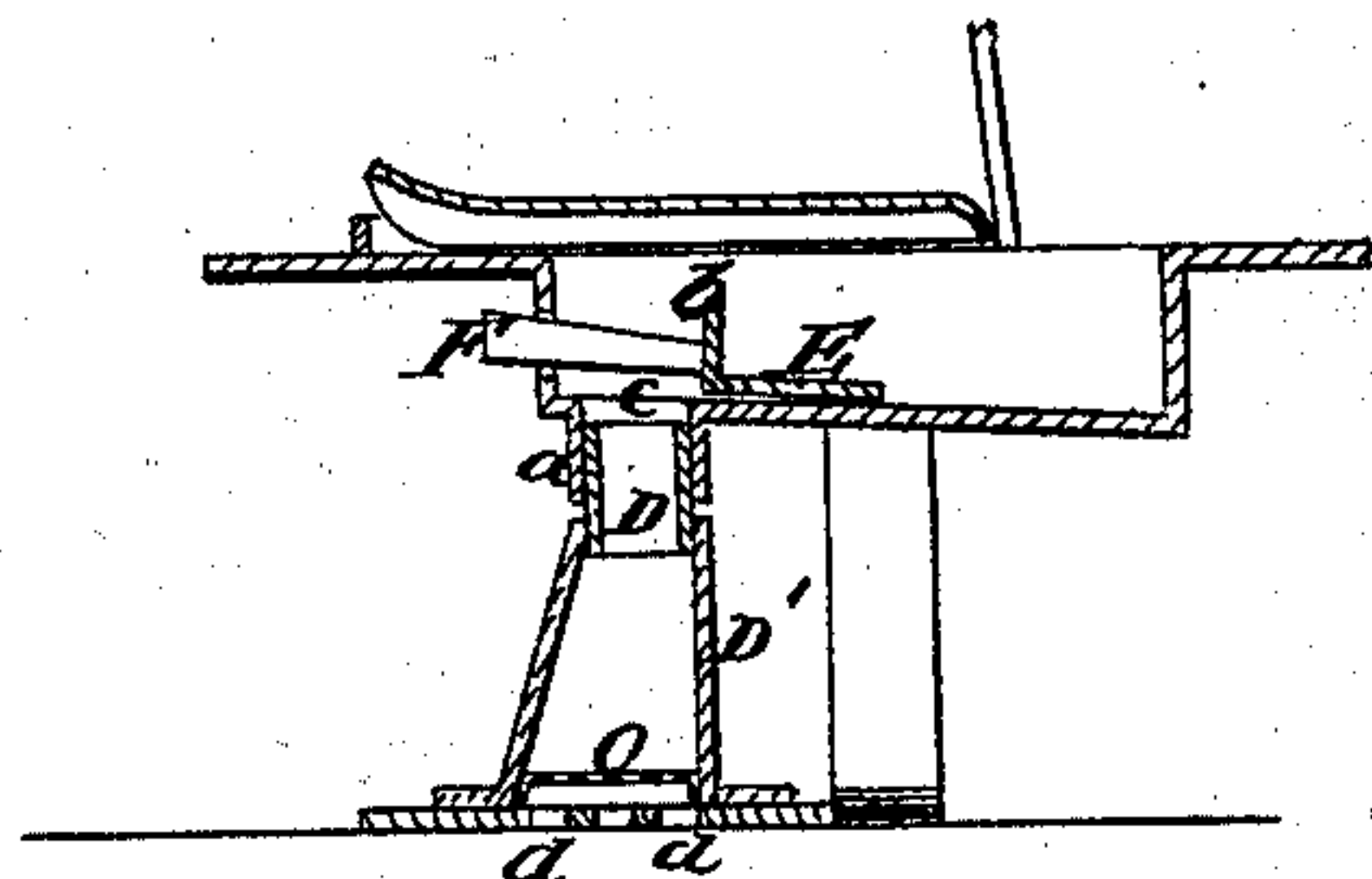


Fig. 2.



WITNESSES.

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EDWIN A. OSBORNE, OF CHARLOTTE, NORTH CAROLINA.

IMPROVEMENT IN HEATING-STOVES.

Specification forming part of Letters Patent No. **146,840**, dated January 27, 1874; application filed November 22, 1873.

To all whom it may concern:

Be it known that I, EDWIN A. OSBORNE, of Charlotte, in the county of Mecklenburg and State of North Carolina, have invented a new and useful Improvement in Stoves, of which the following is a specification:

The invention will first be fully described, and then pointed out in the claim.

Figure 1 is a sectional elevation of a stove with my improved draft attachment, showing the arrangement of the conductor when passing through the floor and into the room below; and Fig. 2 is a sectional elevation, showing the conductor arranged as a box resting on the floor, and holes through the floor under the box.

B is the ash-pit, which is deeper at the back than at the front part, to prevent the ashes rolling forward. C is an opening in the bottom of the ash-pit at the front part, with a collar, *a*, cast around it, for receiving the pipe through which the air is admitted to support combustion in the stove. D is the pipe fitting in the collar at the opening *C*, through which the air is admitted into the stove. E is a damper or covering for the opening at *C*, by which the supply of air is regulated. This damper has on the upper part of it an elevation, *b*, to prevent the falling of ashes or coals into its vent at *C*, and to the same is attached a thin narrow handle, F, which extends from the inside of the ash-pit through a narrow opening in the front. This is all cast in one piece. D extends through an opening in the floor J, corresponding with the position of the front of the stove, and at the lower end below the floor

is a wicker-work of wire, K, with a tin or sheet-iron bottom, L, as a spark-arrester. The covering for the ash-pit is a common movable cover.

Instead of the pipe D extending through an opening in the floor, it may connect with a triangular box, D', with the base resting on the floor, and instead of the opening being cut in the floor for the pipe, the floor may simply be perforated with auger-holes *d*, under the triangular box, through which the air is received to support combustion, and instead of the wicker-work of wire on the outside, simply a sheet of wicker-work of wire, O, may be fastened across the opening in the inside of the triangular box, one or two inches from the floor, as a spark-arrester.

The lower edges of the triangular box are slightly turned out, so as to fit snugly on the floor, and may be tacked down to the floor.

The object of the invention is to obtain the supply of air outside the room to be heated, thus preventing currents in the room, and preserving the uniformity of the temperature, and also requiring less fuel.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The combination, with bottom open ash-pit B C, having the collar *a* and air-inlet pipe D, of the damper E F, having riser *b*, as and for the purpose described.

EDWIN A. OSBORNE.

Witnesses:

L. F. OSBORNE,
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