

JAMES F. BALDWIN

Heating-Stove.

No. 127,830.

Patented June 11, 1872.

Fig. 1.

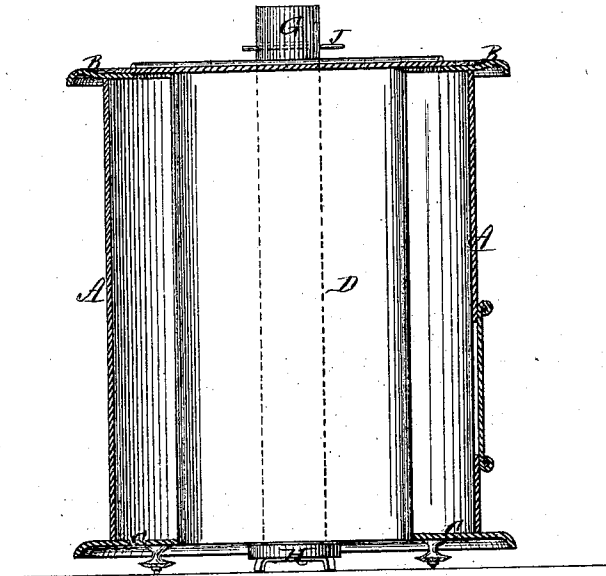
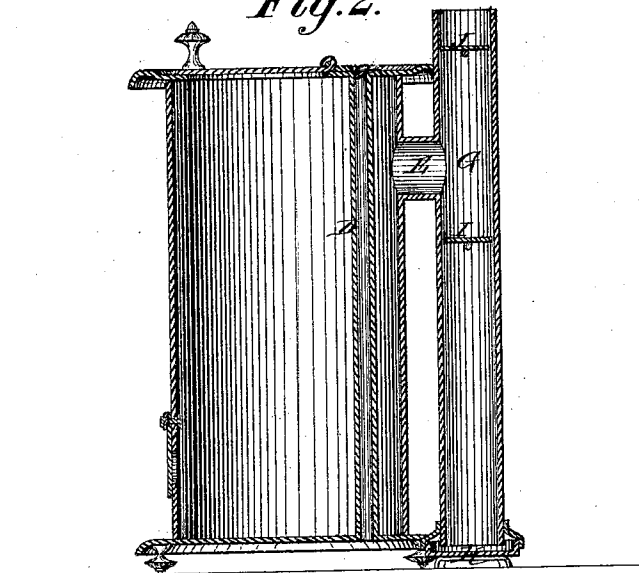


Fig. 2.



Witnesses

John A. Ellis.
Wm H. Ellis

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Per.

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UNITED STATES PATENT OFFICE.

JAMES F. BALDWIN, OF LOCKPORT, NEW YORK.

IMPROVEMENT IN HEATING-STOVES.

Specification forming part of Letters Patent No. 127,830, dated June 11, 1872.

SPECIFICATION.

To all whom it may concern:

Be it known that I, JAMES F. BALDWIN, of Lockport, in the county of Niagara and State of New York, have invented certain new and useful Improvements in Stoves; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon which forms a part of this specification.

The nature of my invention consists in the construction and arrangement of a heating-stove, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 represents a longitudinal section, and Fig. 2 a transverse section of my stove.

A represents the body of the stove made oval or oblong, as shown. B is the top plate, and C is the bottom plate of the stove. Between the top and bottom plates B and C, which are provided with suitable openings, is the oblong tube or pipe D.

When a stove so constructed is heated, cold

air near its bottom is pressed upon and through the tube in a strong current. After being thus heated the air is discharged at the top of the tube and stove with a velocity corresponding with the difference in rarity of air at opposite ends of the tube.

E is the tube through which the smoke passes into the upright tube G, said tube extending down to the bottom plate of the stove, and is open at its lower end. A cup-shaped foot, H, is attached to the lower end of the pipe G, allowing air to pass up through said pipe to decrease the draught, and also for ventilating purposes. In this pipe G are two dampers, one, I, below the pipe E, and the other, J, above the same, the use of which dampers will readily be seen.

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

The stove A B C, provided with tube D and pipes E G, all arranged substantially as set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

JAMES F. BALDWIN.

Witnesses:

A. DAVENPORT,
R. STOCKWELL.