

W. D. BARTLETT.
HEATING-STOVE.

No. 178,097.

Patented May 30, 1876.

Fig. 1.

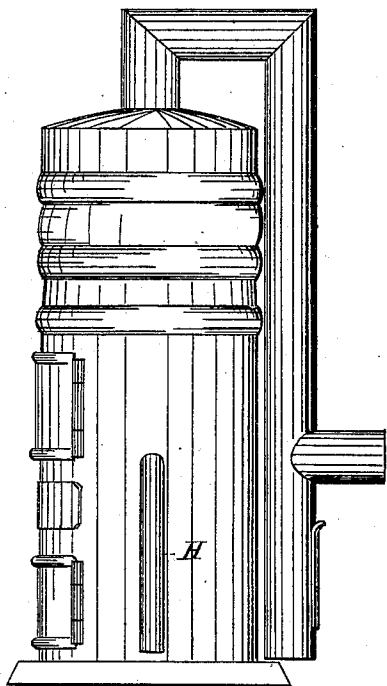


Fig. 2.

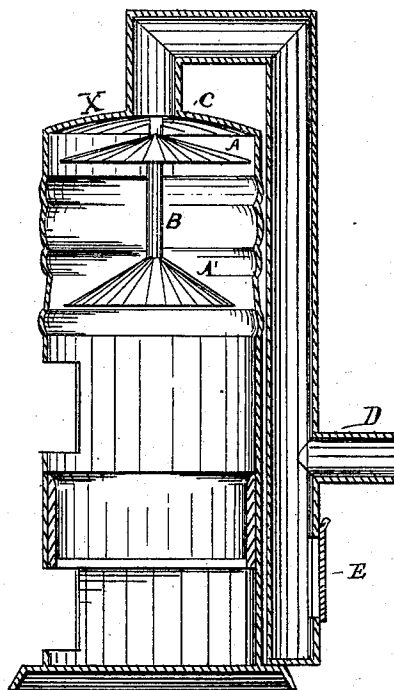
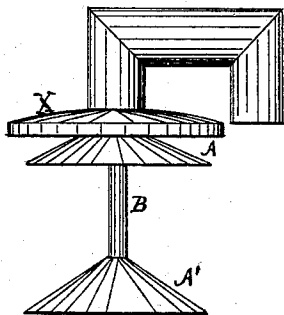


Fig. 3.



W. D. Bartlett

WITNESSES:

B. C. Pole
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INVENTOR.

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UNITED STATES PATENT OFFICE

WILLIAM D. BARTLETT, OF AMESBURY, MASSACHUSETTS.

IMPROVEMENT IN HEATING-STOVES.

Specification forming part of Letters Patent No. **178,097**, dated May 30, 1876; application filed February 29, 1876.

To all whom it may concern:

Be it known that I, WM. D. BARTLETT, of Amesbury, county of Essex, and State of Massachusetts, have invented an Improvement in Heating Apparatus.

The following description, taken in connection with the accompanying plate of drawings, hereinafter referred to, forms a full and exact specification, wherein are set forth the nature and principles of the invention, by which the same may be distinguished from others of a similar class, together with such parts thereof as are claimed as new and are desired to be secured by Letters Patent of the United States.

My invention relates to that class of stoves which are used for heating purposes; and the nature thereof consists in certain improvements in the construction of the same, hereinafter shown and described.

In the accompanying plate of drawings, in which corresponding parts are designated by the same letters, Figure 1 is a side elevation. Fig. 2 is a vertical section. Fig. 3 shows the top piece of the stove removed.

In said drawings, A A' designate conical diaphragms, connected by the vertical rod B, and hung from the removable top plate X of the stove by the rods C. An annular space is left between the outer circumferences of the said diaphragms and the wall of the stove for the passage of the products of combustion to

the exit-pipe. By this construction the heated gases are brought into immediate contact with the walls of the stove, and made to flow upward against the said walls. Beneath the joint D of the exit-pipe, through which the products of combustion pass to the chimney, is arranged an opening, provided with a slide, E, by means of which the force of the draft may be regulated, and the room in which the stove is placed ventilated. H designates a cold-air pipe, leading from a point near the base of the stove to a point immediately over the fire-pot, for the purpose of effecting a complete combustion of the gases. The said pipe may be provided with a register of convenient construction.

I claim and desire to secure by Letters Patent of the United States—

A heating-stove, consisting of the conical diaphragms A A', connected by the vertical rod B, and hung from the top plate of the stove by the rods C, the removable top plate X, the exit-pipe, the slide E, and the cold-air pipe H, all combined and relatively arranged as and for the purposes described.

In testimony that I claim the foregoing I have hereunto set my hand and seal this 31st day of January, 1876.

WM. D. BARTLETT. [L. S.]

Witnesses:

JOHN W. BARTLETT,
FREDK. B. BYRAM.