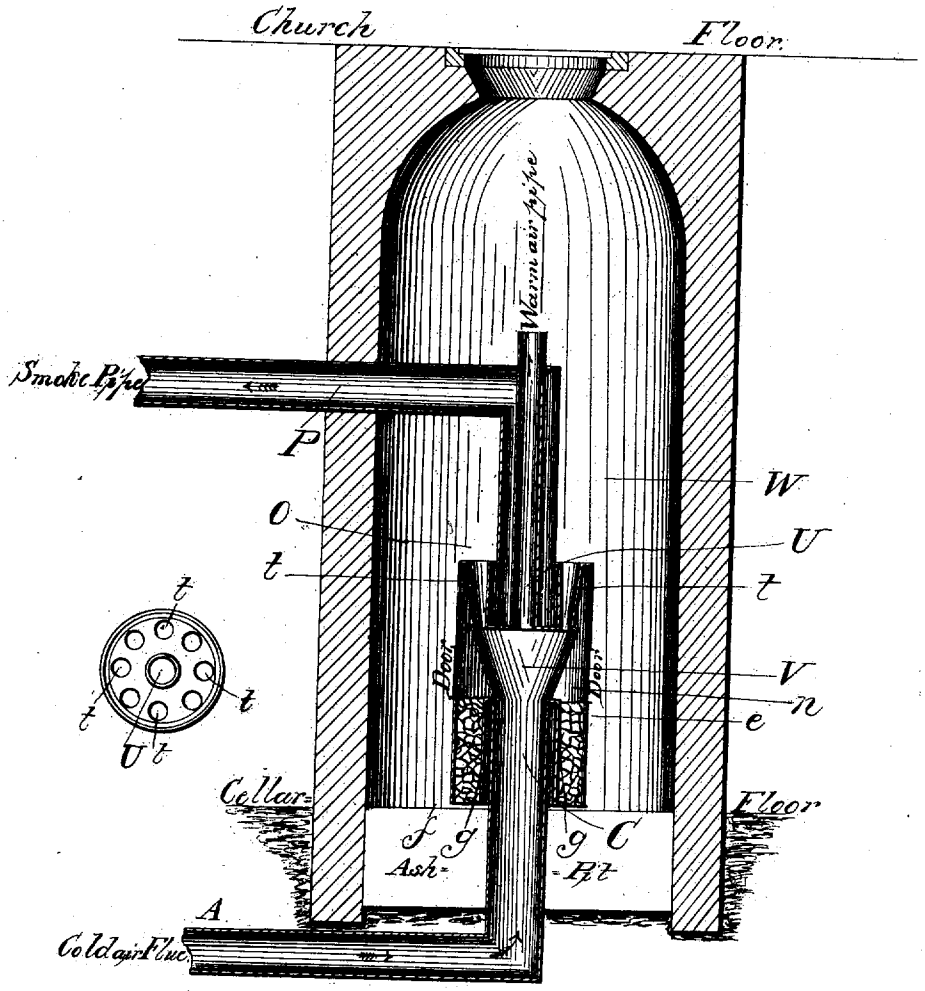
8075X

J. L. DUTTON.

Heating Buildings.

Patented March. 13, 1834.



THE NATIONAL LITHOGRAPHING COMPANY,
WASHINGTON, D. C.

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May 16 1837

Joseph L. Dutton
8075X
Letters Patent March 13. 1834.

The Schedule referred to in these Letters Patent and making part of the same containing a description in the words of the said Joseph L. Dutton himself of his improvement in the method of generating warm air for heating buildings &c and for other purposes

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To all to whom these presents shall come. Be it known that I Joseph L. Dutton of the City of Philadelphia and State of Pennsylvania have invented a new and useful improvement in the method of generating warm air for heating buildings & applying steam to other purposes and that the following is a full clear and exact description of such improvement. It consists in bringing into contact with the burning fuel, (left in the usual manner on the containing shelf a portion of the products of combustion usually done by the usual arrangement of flues) steam by introducing through the mouth of the ignited fuel an open tube C by which steam or additional column of cold air is admitted from the exterior as I. The air after being warmed in its passage through the furnace flues by means of the tubes C C, and U, into the warm air chamber XV thence by pipes as afterwards required along with the collected by the usual pipes &c, by contact with the equivalent of steam I prevent the tube C from being too rapidly corroded by the action of the fire and I keep it at a heat contact with the fire by an instrument E and S. S. which may (by means of a handle) be moved at pleasure backwards and forwards. What I claim as my own discovery and for which I ask an exclusive privilege is, the admission of an extra column of cold air and its application either as described, or by the mode of construction which is readily practicable, together with the mode of applying the steam for warming heating, together with the mode of applying the whole

Joseph L. Dutton

Witnesses
Drawing.

E. C.
Clerk.