

J. B. DAY.

APPARATUS FOR CURING TOBACCO.

No. 174,786.

Patented March 14, 1876.

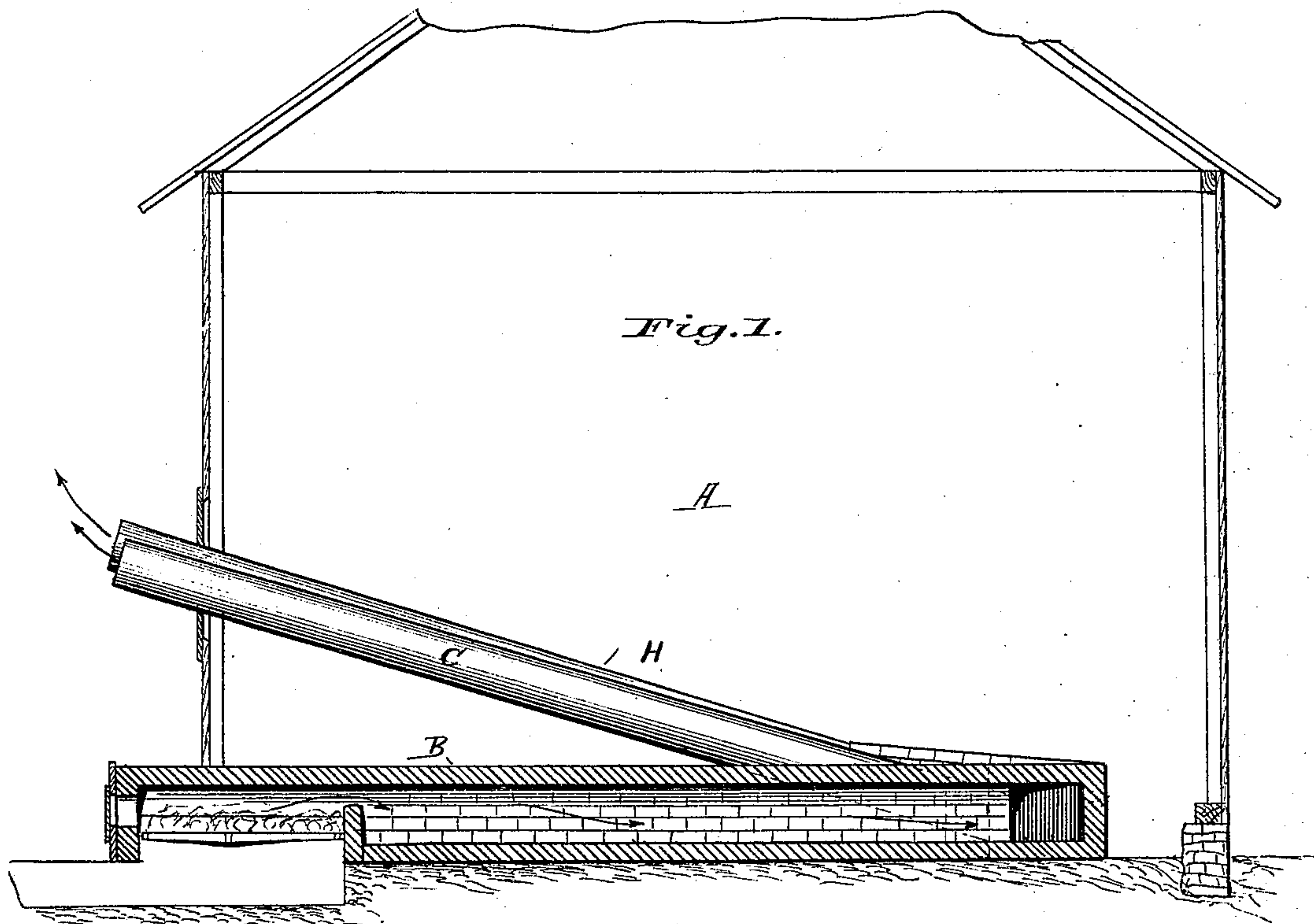
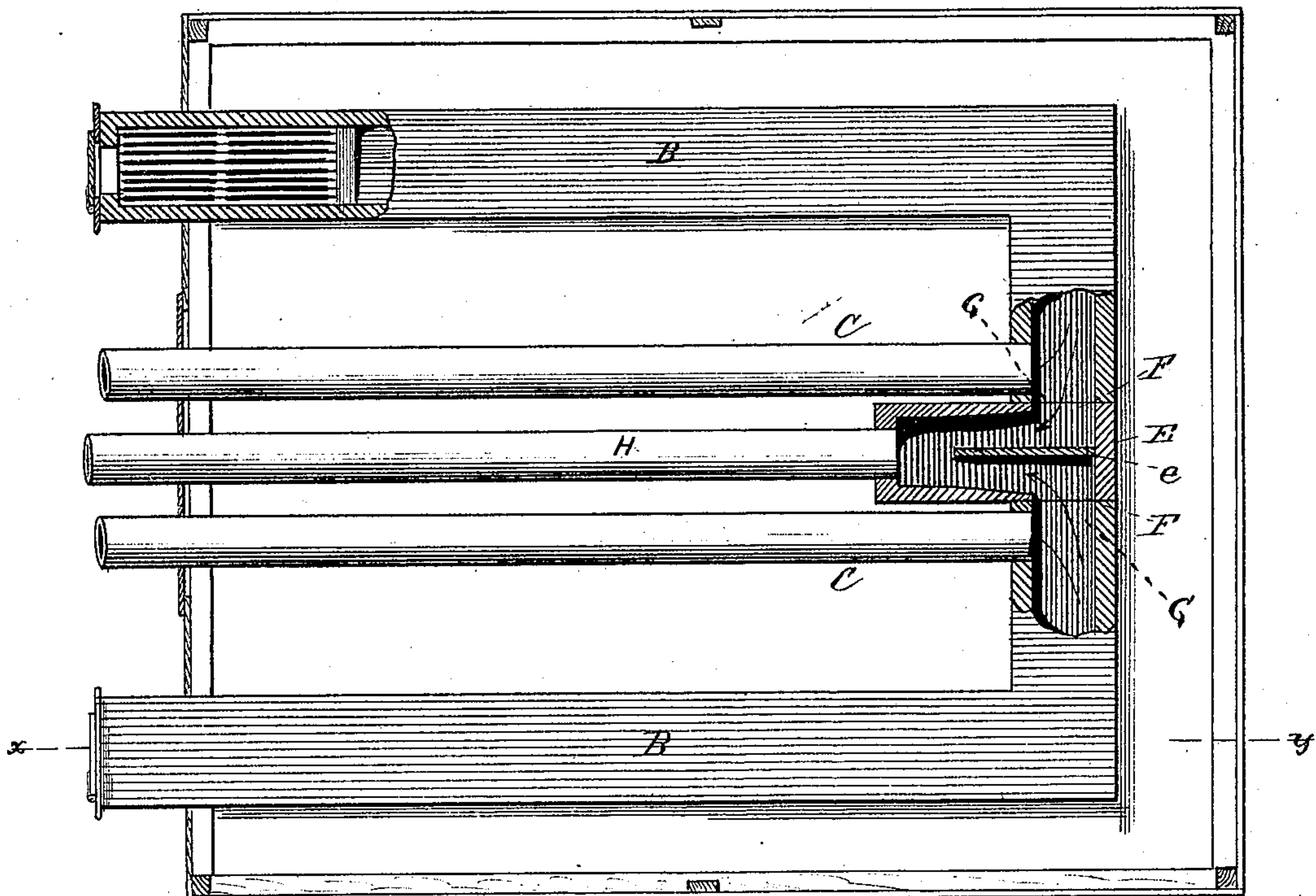


Fig. 2.



Attest:
W. L. Perrine
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Inventor.
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UNITED STATES PATENT OFFICE.

JOHN B. DAY, OF WOODSDALE, NORTH CAROLINA.

IMPROVEMENT IN APPARATUS FOR CURING TOBACCO.

Specification forming part of Letters Patent No. **174,786**, dated March 14, 1876; application filed November 3, 1875.

To all whom it may concern:

Be it known that I, JOHN B. DAY, of Woodsdale, in the county of Person and State of North Carolina, have invented certain new and useful Improvements in Apparatus for Curing Tobacco, of which the following is a specification:

The object of this invention is to provide a safe, efficient, and economical apparatus for drying and curing tobacco by artificial heat; and it consists in combination with the separate furnaces or flues of a short auxiliary flue or section of flue, provided with an escape pipe or flue, and adapted to be employed in connection with said separate flues, so as to join the two at their rear ends, forming one continuous flue, as fully hereinafter set forth and shown.

The letter A represents the drying room or chamber, generally consisting of the lower room or story of an ordinary barn, and B B, the heating flues or furnaces, extending from the outside of the barn, in front, directly back nearly to the rear, where they are bent or turned toward each other, as shown. From the end of each of said furnaces B B extends an inclined return-flue, C, passing through the front wall of the room or chamber above and between the furnaces and flues. Said pipes or flues may be provided with dampers if desired. The flues B B may be constructed of masonry or of metal, or partly of masonry and partly of metal, the pipes or flues C being usually constructed of sheet metal.

The letter E represents a short flue, or section of a flue, adapted to fit between the opposite ends of the flues B B, and provided with openings F at opposite sides, which communicate with openings G at the ends of the flues B B, which are closed by suitable doors or dampers when the short section or flue E is removed. Said flue E, or section, is provided with a deflecting-plate, e, at its cen-

ter, to direct the smoke and other products of combustion to the escape-flue H, which extends from said section at an inclination through the front of the chamber or barn A. Said short section or flue is intended to connect the flues B B together, so as to form one continuous flue, in order to increase the heating effect of the apparatus when desired, and when in place the dampers in the pipes C may be so turned as to direct all the products of combustion through said pipe H, or the pipes may be employed in conjunction to carry off the same.

As thus constructed, a highly-efficient apparatus is provided, at small cost, which can be readily fitted or secured in an ordinary barn or outhouse, and by means of which the tobacco can be economically cured without danger to the same from overheating or burning, as the fire is perfectly under control, and the temperature can be regulated with the greatest nicety; and as the furnace-doors and escape-flues are both situated on the same side of the barn or chamber, they will both be under the control of the operator at the same time, materially lessening the risk of the building or barn taking fire.

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

In combination with the flues B B, the short flue or section E, provided with a flue, H, extending through the front wall of the chamber, said section or flue E being adapted to fit between the ends of the flues B B and connect the same so as to form a single continuous flue, substantially as described.

In testimony that I claim the foregoing I have hereunto set my hand in the presence of the subscribing witnesses.

JOHN B. DAY.

Witnesses:

ROBT. W. JONES,
THOS. P. DAVIS.