

H. R. FARMER.
TOBACCO-DRIER.

No. 170,624.

Patented Nov. 30, 1875.

Fig. 1

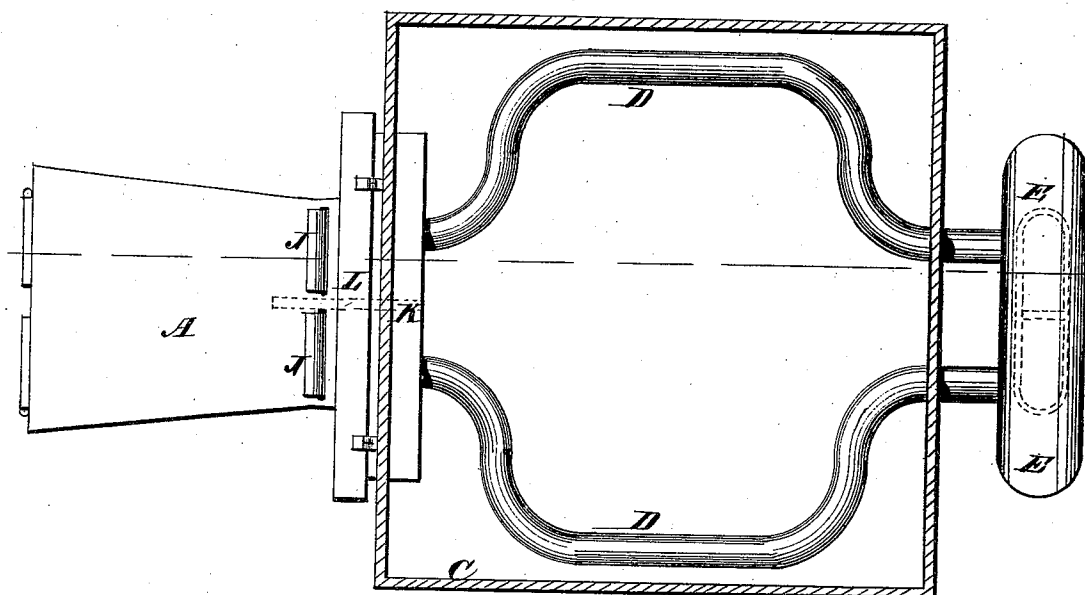
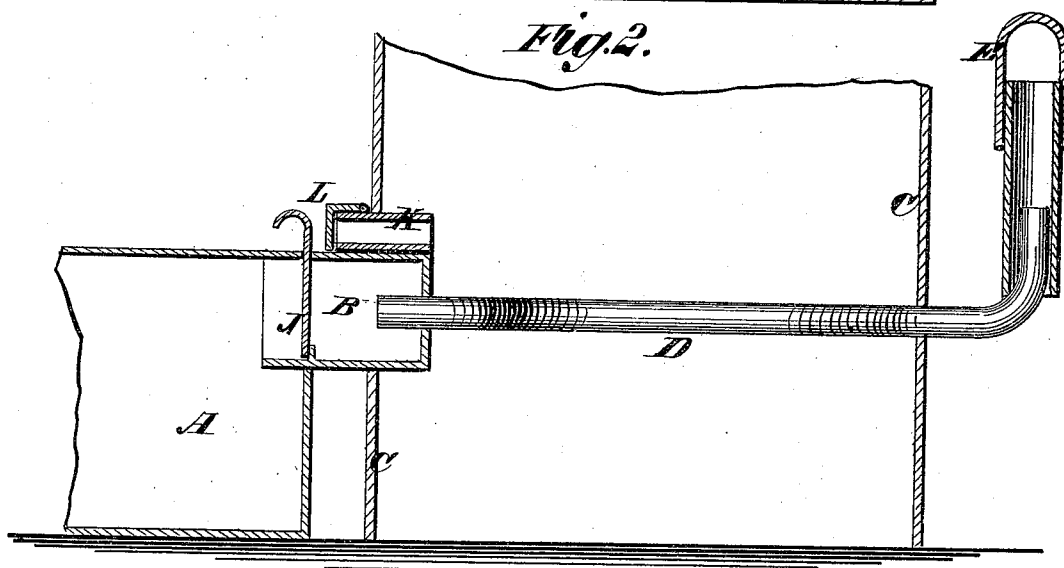


Fig. 2.



WITNESSES:

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UNITED STATES PATENT OFFICE.

HENRY R. FARMER, OF RINGGOLD, VIRGINIA.

IMPROVEMENT IN TOBACCO-DRIERS.

Specification forming part of Letters Patent No. **170,624**, dated November 30, 1875; application filed August 21, 1875.

To all whom it may concern:

Be it known that I, HENRY R. FARMER, of Ringgold, in the county of Pittsylvania and State of Virginia, have invented a new and Improved Apparatus for Curing Tobacco, of which the following is a specification:

My invention consists of a heating attachment to barns or other buildings in which tobacco is stored for curing the tobacco by artificial heat radiated directly from pipes made to conduct the heat about the lower part of the room from a furnace outside provided with regulating valves or gates, and in combination with a valve or register located directly over the hot-air pipes to so temper the heat at the entrance into the barn that the building will be protected from burning.

Figure 1 is a horizontal section of my improved tobacco-curing apparatus, and Fig. 2 is a longitudinal sectional elevation of the apparatus taken on line *x x*.

Similar letters of reference indicate corresponding parts.

A is the furnace, which is preferably made a little tapering from the front to the back. B is a flue extending from the back of the furnace through the wall C of the tobacco barn or house, and connecting with the heat-circulating pipes D, which are extended across the room in any approved way for causing the

best and most even circulation of heat and out at the other side to discharge into the atmosphere, and on the discharge ends of these pipes, which turn upward in suitable manner, there is a cowl, E, for the protection of the draft, and to direct the discharge so as to protect the barn. J represents gates or dampers to regulate the heat, and over the furnace is a passage, K, for cold air, with a regulating damper or valve, L, to admit cold air, more or less, as may be required, for the protection of the building, and also to protect the tobacco against being overheated or burned.

The contrivance may be attached temporarily to any tobacco-barn for use as long as required and removal to other barns.

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

The valved flue B, extending through the back of the furnace and into a tobacco-curing chamber, in combination with a cold-air passage, K, having the damper L, all arranged to regulate the temperature of a curing-room in the manner described.

HENRY R. FARMER.

Witnesses:

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