

G. W. BOWMAN.
FRUIT DRIER.

No. 176,925.

Patented May 2, 1876.

FIG. 1.

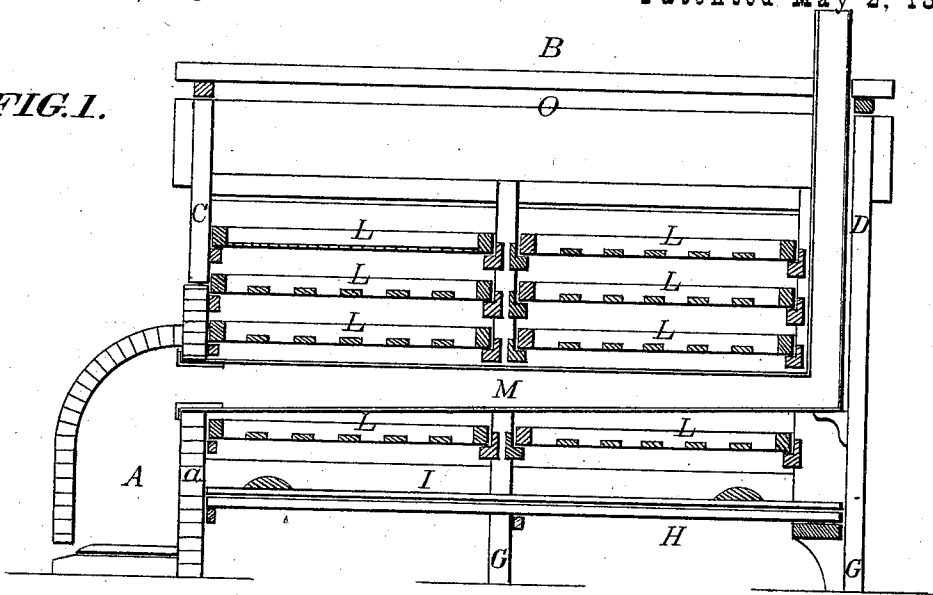
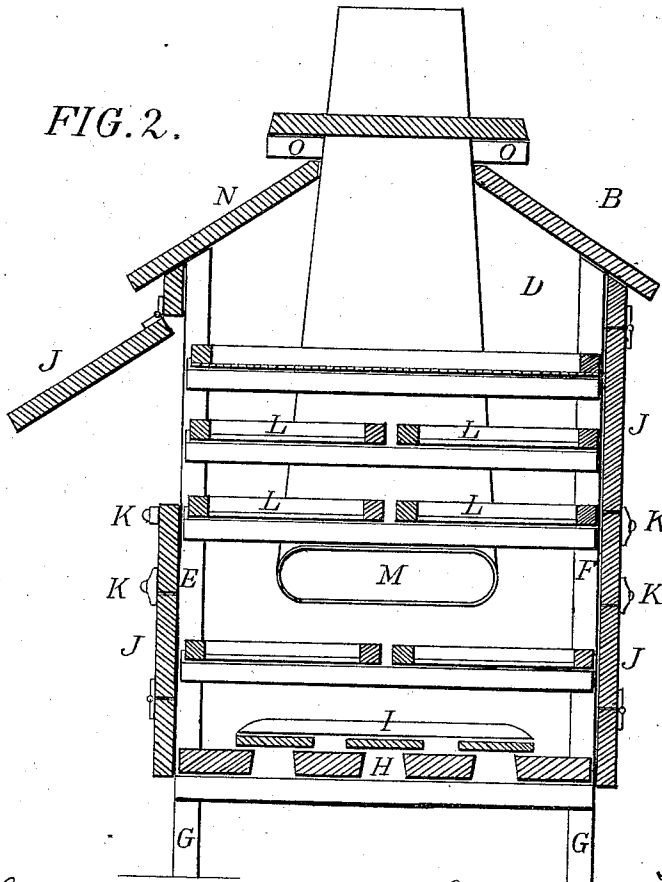


FIG. 2.



Attest
Chas. J. Gooch
A. N. Salt

Inventor:
Geo W. Bowman
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UNITED STATES PATENT OFFICE.

GEORGE W. BOWMAN, OF MORROW, OHIO.

IMPROVEMENT IN FRUIT-DRIERS.

Specification forming part of Letters Patent No. **176,925**, dated May 2, 1876; application filed February 16, 1876.

To all whom it may concern:

Be it known that I, GEORGE W. BOWMAN, of Morrow, Warren county, Ohio, have invented a new and useful Drier for Fruit and other edibles, of which the following is a specification:

In my present arrangement the oven or hot-closet is a wooden structure erected against or in contact with the stove or furnace and external thereto, with the important exception that the end of the oven next the furnace is, in part, formed by the brick or stone rear wall of the furnace, the flue only penetrating the closet, so that the entire interior of the closet is available for drying purposes, and the heat is more equable, with less liability to scorch than where the stove occupies the interior of the closet. Furthermore, the inlet-openings, the exit-openings, and the heating-flue, extending the entire length of the oven, co-operate to insure an equal and uniform drying action at all parts.

In the accompanying drawing, Figure 1 is a longitudinal, and Fig. 2 is a transverse, section of a drying apparatus on my plan of construction.

A is a stove or furnace composed of brick or other masonry, the top of which is arched toward the vertical rear wall *a*, which rear wall constitutes part of one of the end walls of my drying-closet B, which may be of timber, and constructed as follows: C and D are the two gable-ends of the closet. E and F are its sides; G, legs; H, slatted floor; I, sliding shutter or register to same; J, hinged

flaps or doors in sides of closet, fastened by buttons K; L, trays with pervious bottoms, said trays extending only to the midwidth of the closet; M, flue extending from the stove athwart the closet and up through the roof. N. O is a louver or vent in the roof. The drying-trays, extending no farther than the midwidth of the closet, are capable of being easily turned half around, so as to expose each edge by turns to the interior and hotter portions of the closet, and thus obtain equable action on the articles.

It will be seen that the rear wall of the furnace, constituting an integral portion of the oven-wall on that side without at all encroaching on the oven-space, operates to utilize a portion of the furnace-heat which would otherwise be lost, and enables the oven to be constructed of wood with perfect safety and with a less consumption of lumber than would otherwise be necessary.

I claim as new and of my invention—

The described arrangement of external furnace A of masonry, whose rear wall constitutes part of that of the drying-closet B, having gable-ends C D, legs G, pervious and registered floor H I, flaps J, and trays L, extending to the midwidth of the closet.

In testimony of which invention I hereunto set my hand.

G. W. BOWMAN.

Attest:

GEO. H. KNIGHT,
ALBERT ANDERSON.