

J. L. POST.
Fruit-Driers.

No. 136,670.

Patented March 11, 1873.

Fig. 1.

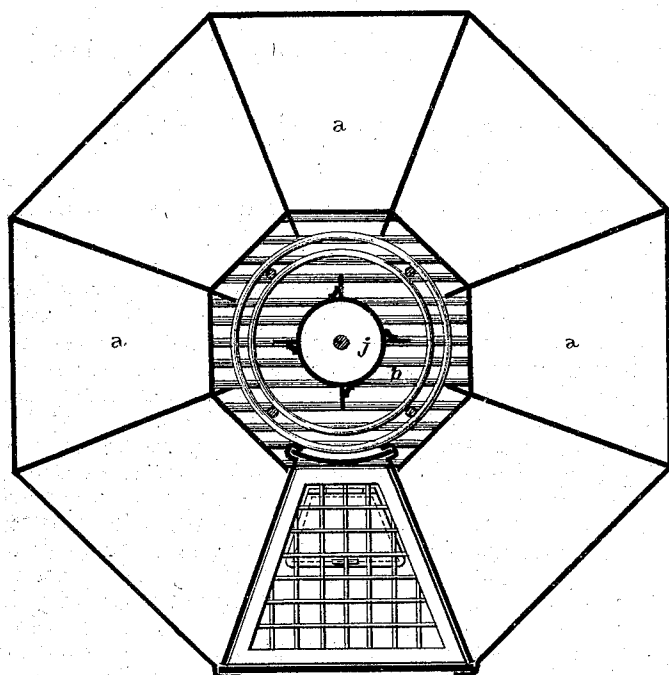
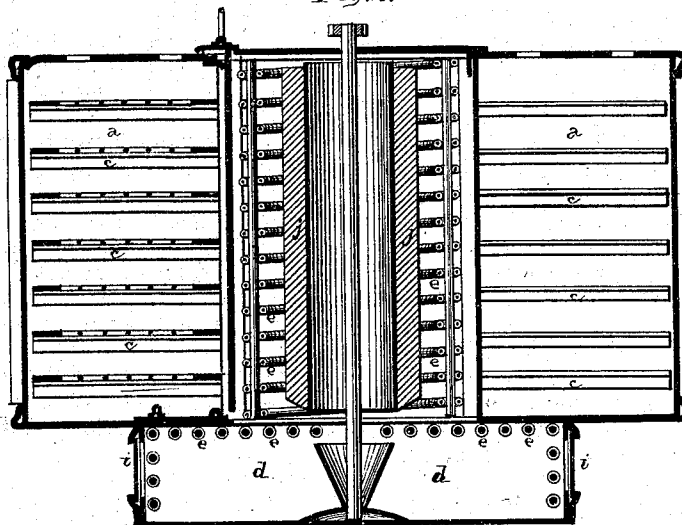


Fig. 2.



Witnesses
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UNITED STATES PATENT OFFICE.

JOHN L. POST, OF ASHLEY, ILLINOIS.

IMPROVEMENT IN FRUIT-DRIERS.

Specification forming part of Letters Patent No. 136,670, dated March 11, 1873.

To all whom it may concern:

Be it known that I, JOHN L. POST, of Ashley, county of Washington, and State of Illinois, have invented certain new and useful Improvements in Fruit and Vegetable Driers, of which the following is a specification:

The nature of my invention relates to a device for drying fruit, vegetables, fish, and similar articles; and consists in a number of separate and distinct chambers arranged around a central compartment, which is heated from below by means of steam-pipes, and in which a vertical fan is kept rotating so as to force the heated air through the several chambers, as will be more fully set forth hereafter.

In the accompanying drawing, Figure 1 represents a longitudinal section of my improvement. Fig. 2 is a vertical section of the same.

a represents a number of entirely distinct and separate chambers, arranged around a central compartment, *b*, and in which chambers as many different articles can be dried or cured without the flavor or smell of one being imparted to the others. Each chamber is provided with a suitable number of shelves, *c*, and two doors—one opening outward so that the articles to be cured can be introduced, and the other opening into the compartment *b* so as to allow the heated air to enter and act upon them.

The outer door may be of any suitable kind, but the inner ones should be made to slide in vertical grooves, so that when opened at the bottom the air will enter and pass on up through the whole mass and pass out the openings in the top.

In the lower compartment *d*, under the floor, are arranged the steam-pipes *e*, supplied from

any suitable source, and which heat the air for curing the different articles in the chambers *a*. As the air enters the doors or openings *i* in the compartment *d*, it is heated by the pipes *e*, and passes up into the central compartment *b*, where it is still further heated by the pipes running around the sides in one or more coils. Arranged in any suitable manner in the center of this compartment *b* is a vertical fan, *j*, which may be operated from any desired source so as to drive the heated air through the compartments *a*, and thus hasten the process of curing. By the rotation of this fan the air is equally distributed in all parts, and the drying evenly and rapidly carried on.

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

1. A fan, or its equivalent, arranged in the central compartment so as to drive the air through the chambers, substantially as described.

2. The combination of the chambers *a*, compartments *b* *d*, pipes *e*, and fan *j*, when arranged as specified.

3. The chambers *a*, provided with inner doors communicating with the compartment *b*, so that when the doors are opened the heated air will pass up through the whole mass from the bottom, substantially as shown and described.

In testimony that I claim the foregoing as my invention, I hereunto affix my signature this 7th day of January, 1873.

J. L. POST.

Witnesses:

HARRY SMITH,
MOSES SMITH.