

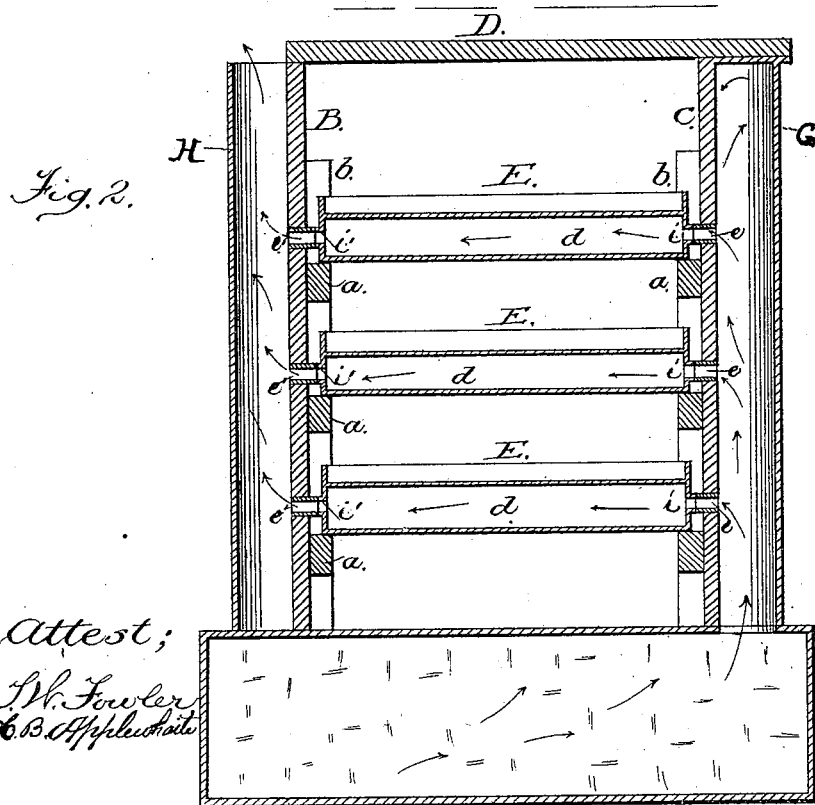
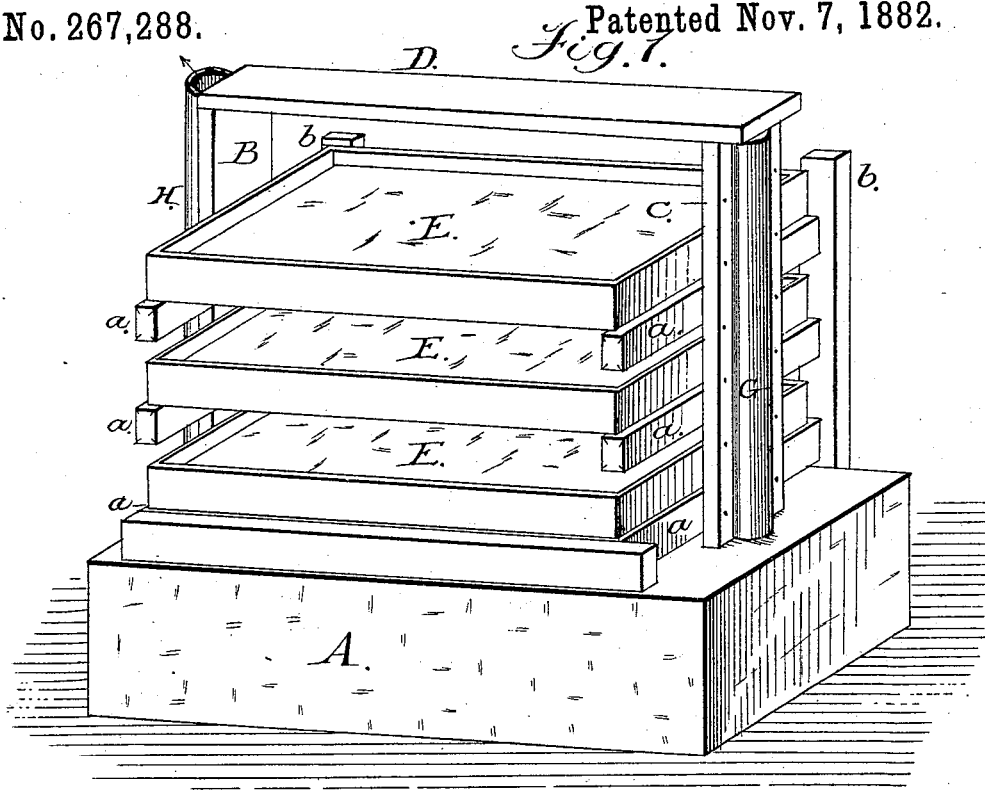
(No Model.)

A. W. WALKER.

FRUIT DRIER.

No. 267,288.

Patented Nov. 7, 1882.



Attest;
W. Fowler
C. B. Applewhite

Inventor:
A. W. Walker
per Atty.
A. H. Evans & Co.

UNITED STATES PATENT OFFICE.

ALBERT W. WALKER, OF CLEMMONSVILLE, NORTH CAROLINA.

FRUIT-DRIER.

SPECIFICATION forming part of Letters Patent No. 267,288, dated November 7, 1882.

Application filed July 22, 1882. (No model.)

To all whom it may concern:

Be it known that I, ALBERT W. WALKER, of Clemmons ville, in the county of Davidson and State of North Carolina, have invented a new and Improved Fruit-Drier; and I hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a perspective view of my improved drier. Fig. 2 is a vertical sectional view of the same.

My invention relates to portable fruit-driers; and it consists in sundry details of construction and arrangement, as will hereinafter be fully described, and specifically pointed out in the claim.

In order that those skilled in the art may make and use my invention, I will proceed to describe the manner in which I have carried it out.

In the said drawings, A is a boiler, from which rise two uprights, B and C, braced at the top by a cross-piece, D. On the inside of posts B C, at equal intervals, are secured skids *a a*, to support hollow drying-trays E, and vertical pieces *bb*, passing along the ends of said skids, serve to stop the trays at a proper position. Supported by uprights B C are two pipes, G H, each provided with rubber-packed thimbles *e e'*, passing through the said uprights, for a purpose hereinafter set forth. The lower end of pipe G enters the boilers and its upper end is closed, while the lower end of pipe H is closed and its upper end is open.

The trays E are made with a double bottom, so as to provide a steam-space, *d*, beneath the fruit to be dried, which rests on the false bottom. The sides of the trays, at opposite ends, are provided with thimbles *i i'* of a diameter corresponding to thimbles *e e'*, and when the trays are pushed into position the thimbles *e e'* register with the thimbles *i i'*.

Any number of trays may be arranged one above another, and any desirable variations in the shape of the boiler or the diameter of the thimbles may be made without departing from the spirit of my invention.

When steam is formed in boiler A it rises through pipe G, and, passing through thimbles *e* and *i*, it fills the hollow trays E, furnishing the necessary heat to dry the fruit, and then passes out at the top of pipe H, the currents passing in the direction indicated by the arrows in Fig. 2.

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

In a fruit-drier, the boiler A, in combination with vertical pipe G, having its upper end closed and provided with thimbles *e*, hollow trays provided with thimbles *i i'*, and vertical pipe H, having its upper end open and provided with thimbles *e'*, all constructed, arranged, and operated as set forth.

ALBERT W. WALKER.

Witnesses:

R. A. WOOMACK,
C. E. SHUPE.