

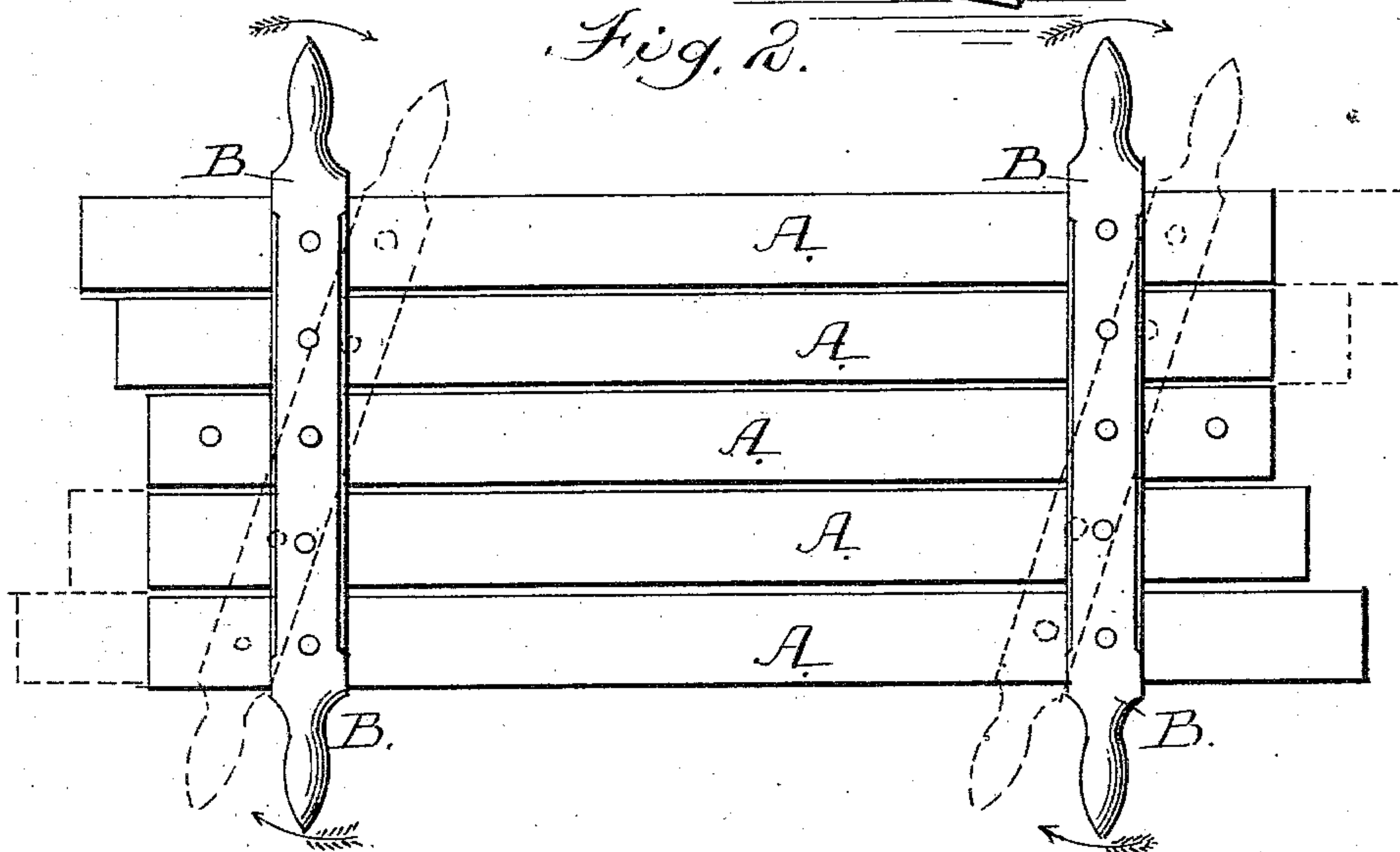
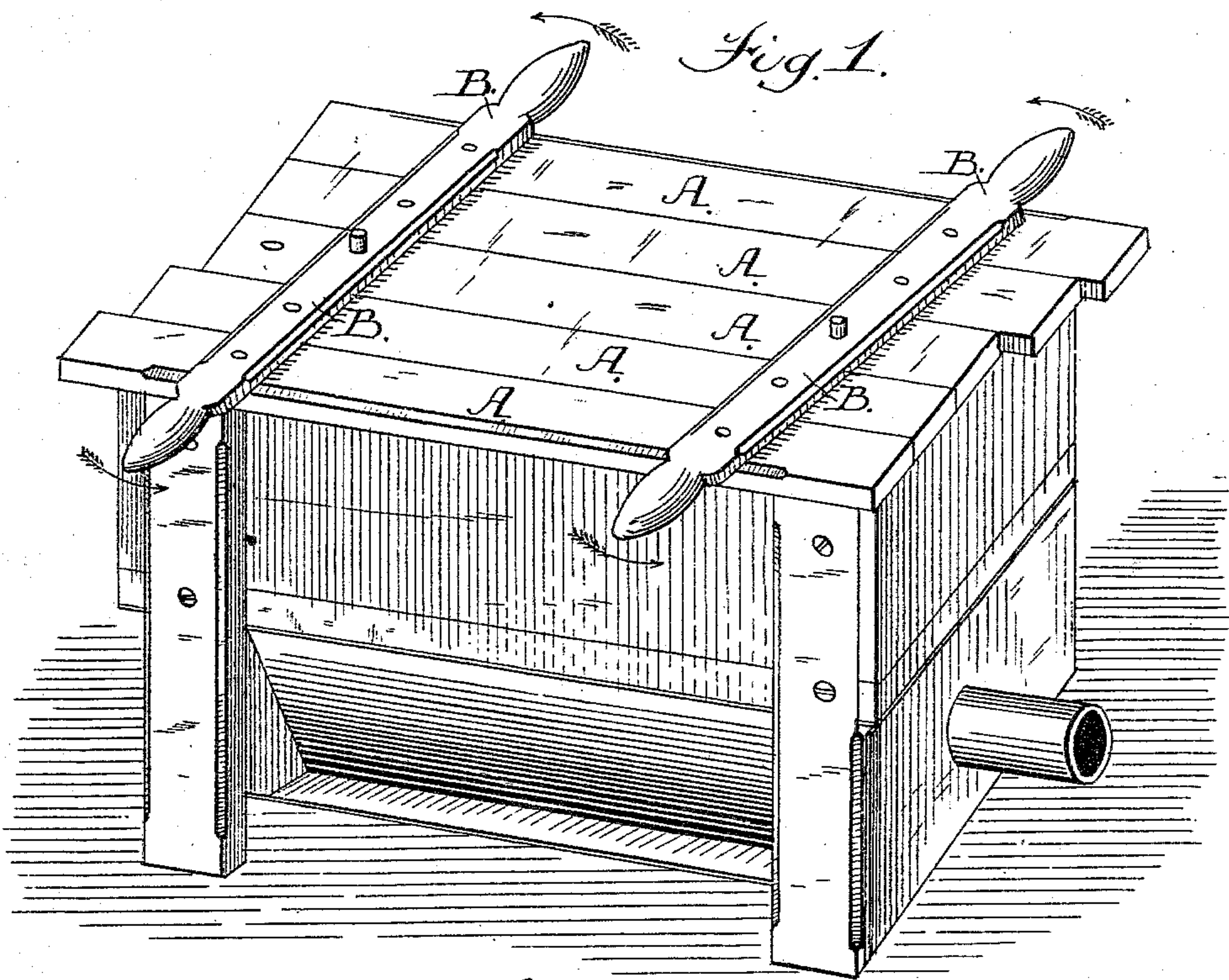
(No Model.)

A. W. WALKER.

FRUIT DRIER.

No. 281,167.

Patented July 10, 1883.



*Attest;*

*Walter Fowler*  
*R. H. Evans*

*Inventor;*

*Albert W. Walker*  
*by A. H. Evans & Co.*  
*Atty.*

# UNITED STATES PATENT OFFICE.

ALBERT W. WALKER, OF CLEMMONSVILLE, NORTH CAROLINA.

## FRUIT-DRIER.

SPECIFICATION forming part of Letters Patent No. 281,167, dated July 10, 1883.

Application filed April 20, 1883. (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  
5 new and useful Improvement in Fruit-Driers, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, making a part of this specification, in which—

10 Figure 1 is a perspective view of a fruit-drier with my improvements attached. Fig. 2 is a top view of the same with the cover spread to allow the escape of heat.

My invention relates to devices for drying  
15 and curing of fruit; and it consists in the peculiar construction of the cover, by which I am enabled to diffuse the heat through the drying-chamber as it escapes therefrom.

To enable others skilled in the art to make  
20 and use my invention, I will proceed to describe the exact manner in which I have carried it out.

As fruit and other driers are usually constructed, the surplus heat is allowed to escape  
25 in a body at a single point, and this necessarily produces an unequal hot-air current through some particular part of the drier, and to a greater or less extent renders the curing of the fruit irregular. The object of my present in-  
30 vention is to overcome this difficulty and to maintain an equal distribution of the heat even

while passing from the drier. To accomplish this purpose I construct the top of the drier of a number of narrow parallel slats, A, of equal width, loosely pivoted to two cross-bars, B, and  
35 having an opening between the slats, as shown in Fig. 2. As these slats always have a parallel movement, it is evident that by slightly turning the cross-bars the slats may be readily brought together, or be caused to approach  
40 each other as near as may be desired, to allow the proper escape of the heat from the drier, and as the openings between all the parallel slats will be equal, the escape of the heat must necessarily be uniform through all parts  
45 of the drier—the great object sought to be gained.

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

In a fruit-drier, the cover composed of a number of movable parallel slats, A, with intervening spaces, and pivoted to the cross-bars B, whereby the distance between the slats is increased or diminished by the movement, and  
55 the escape of heat from the drier regulated and controlled, substantially as described.

ALBERT W. WALKER.

Witnesses:

T. WALTER FOWLER,  
H. B. APPLEWHAITE.