

S. LONG.
Smoke-Houses.

No. 148,720.

Patented March 17, 1874.

Fig. 1.

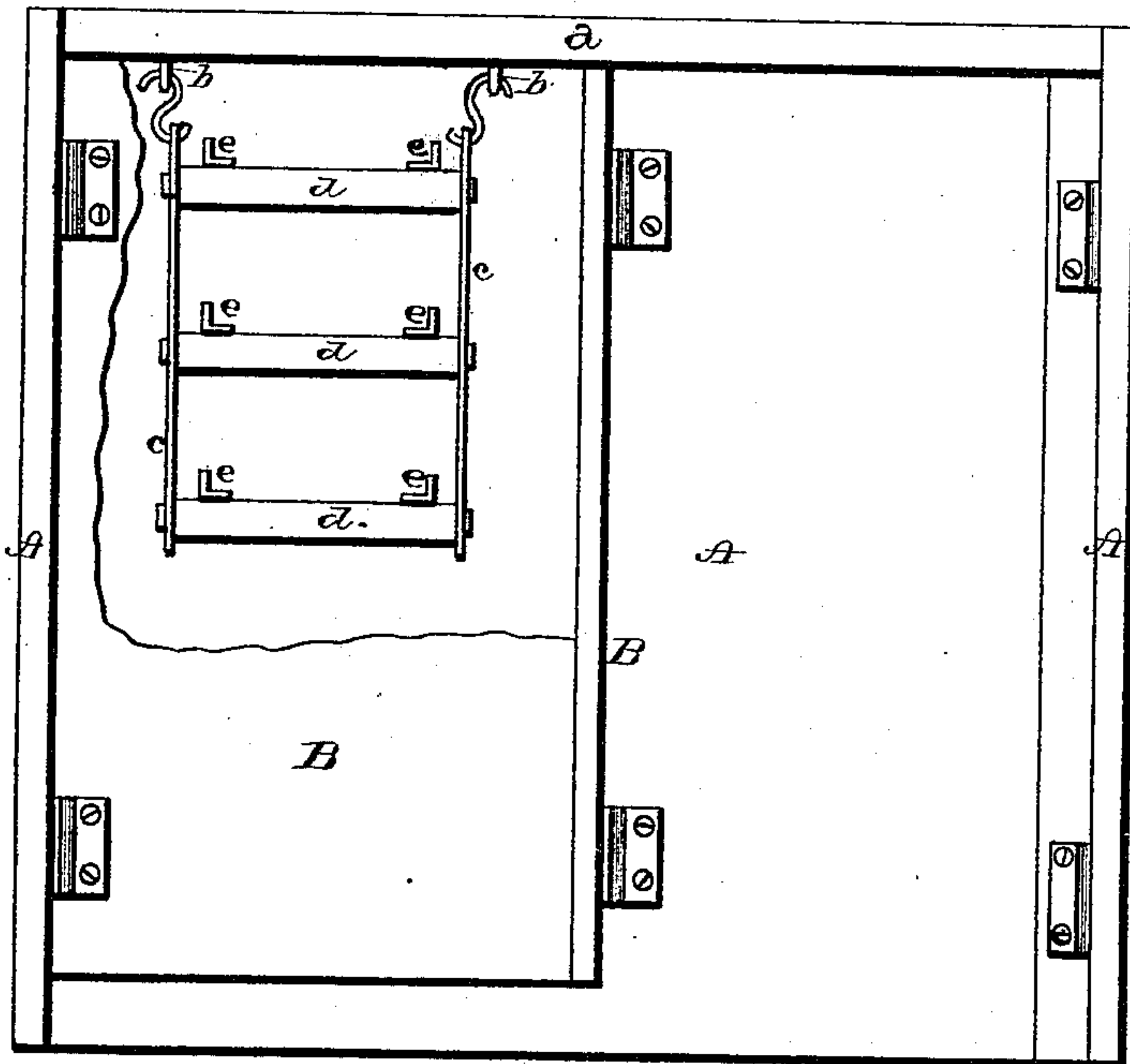
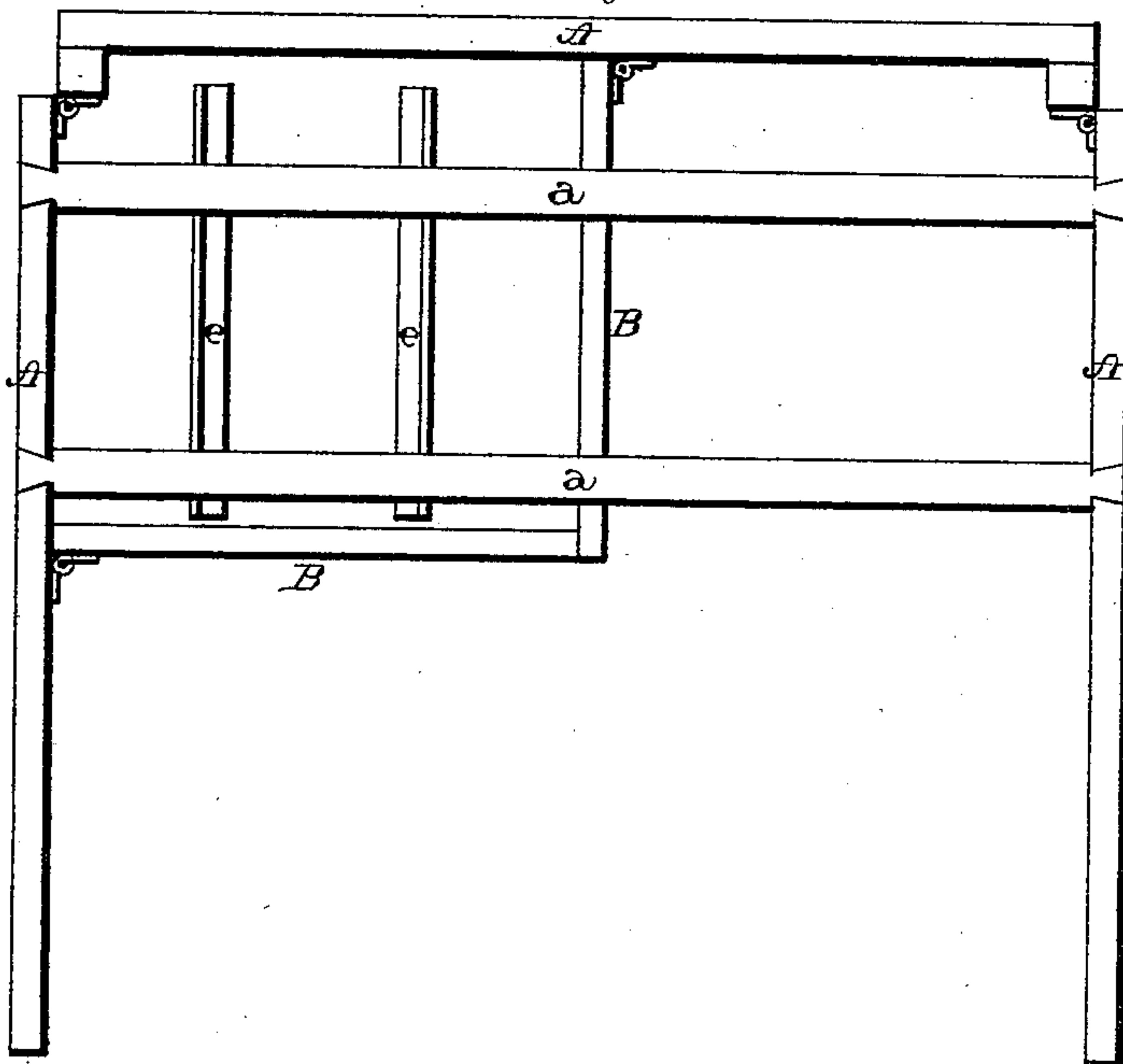


Fig. 2.



WITNESSES.
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INVENTOR.
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per
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UNITED STATES PATENT OFFICE.

SOLOMON LONG, OF MAYSVILLE, OHIO.

IMPROVEMENT IN SMOKE-HOUSES.

Specification forming part of Letters Patent No. 148,720, dated March 17, 1874; application filed February 3, 1874.

To all whom it may concern:

Be it known that I, S. LONG, of Maysville, in the county of Columbiana and State of Ohio, have invented certain new and useful Improvements in Drying and Smoke Houses; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to drying and smoke houses; and consists in a novel construction and combination of hinged walls, hinged partitions, removable joists, and a device for supporting fruit-racks, the various parts being so arranged that the house can be easily put up and taken down, packed in small compass, and quickly moved from one locality to another.

The accompanying drawings represent my invention.

A indicates the outer walls of the drying-house, said walls being hinged at suitable distances, so as to be portable. Three walls may be used, as here represented, the fourth wall being supplied by the side of the main building, against which the drying-house is erected; or the drying-house may have four walls, and stand by itself. Within the walls A are hinged the partitions B, which are arranged to swing out at right angles with the outer walls, so as to inclose a compartment in the corner of the house. Extending between the tops of the opposite walls, and dovetailed so as to be easily removed, are joists *a*. In the joists, above the compartment, are fixed staples, *b*, from which are suspended chains *c*. These chains serve as supports to the bars *d*, which are the same distance apart, and which may be of any required number. Resting upon bars *d* are the guides *e* for the racks, upon which is placed the fruit or other material to be dried. These guides are kept in position by pegs, which pro-

ject downward into corresponding holes in the upper surface of the bars. I have shown no particular form of rack, as any may be used.

The object of the hinged walls and hinged partitions herein described is to provide a dry-house which costs comparatively little, and can be quickly carried from one point to another. The partitions are so arranged that they form a drying compartment when they are swung out to stand at right angles with the walls, the walls first being placed at right angles to each other. When it is desirable to pack the dry-house for removal, the joists at the top are taken down, the partitions are folded back against the walls, and the two walls which support the joists are swung toward each other, and allowed to fall upon the remaining or third wall, thus bringing all the parts closely together, so that they can be easily removed.

The portion of the house outside the corner compartment may be used for a wash-house at the same time the drying is going on, and thus heat may be utilized which otherwise would be wasted.

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

The dry-house herein shown, composed of hinged walls A, hinged partitions B, and removable joists *a*, adapted to support a fruit or other rack, the walls and partitions being combined substantially as described, whereby they swing together upon removing the joists, and render the device portable, as set forth.

In testimony that I claim the foregoing, I have hereunto set my hand this 29th day of January, 1874.

SOLOMON LONG.

Witnesses:

ALBERT WINDER,
JOHN CASKEY.