3. Sheets. Sheet. 1.

N. Cope,

Fruit House.

No. 95657. Patented Oct. 12. 1869.

Fig: 1

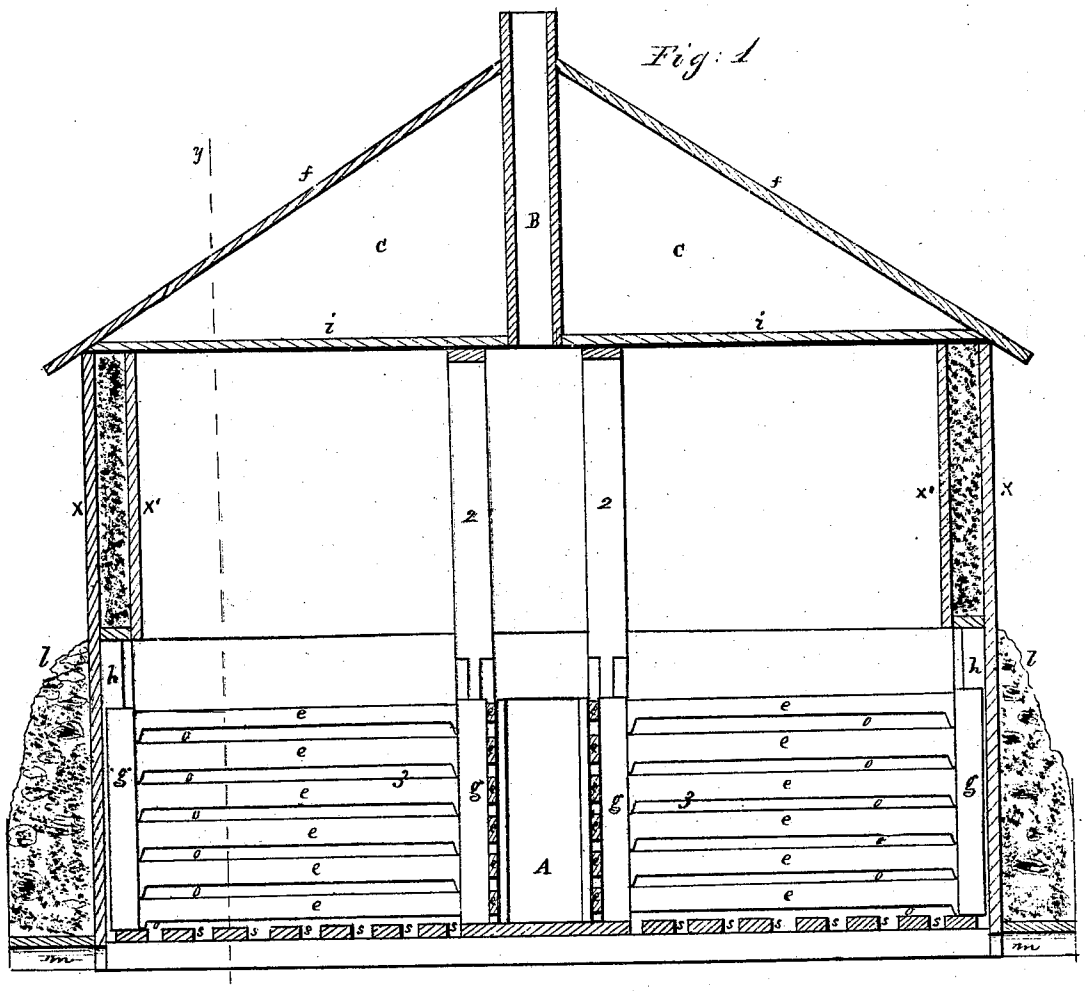
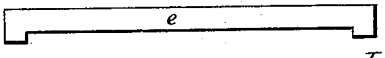


Fig: 4



Witnesses:
Chas. Hedgeway,
Wm. T. Hutchinson

Inventor
Nathan Cope By
his attorney J. H. Johnston

N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

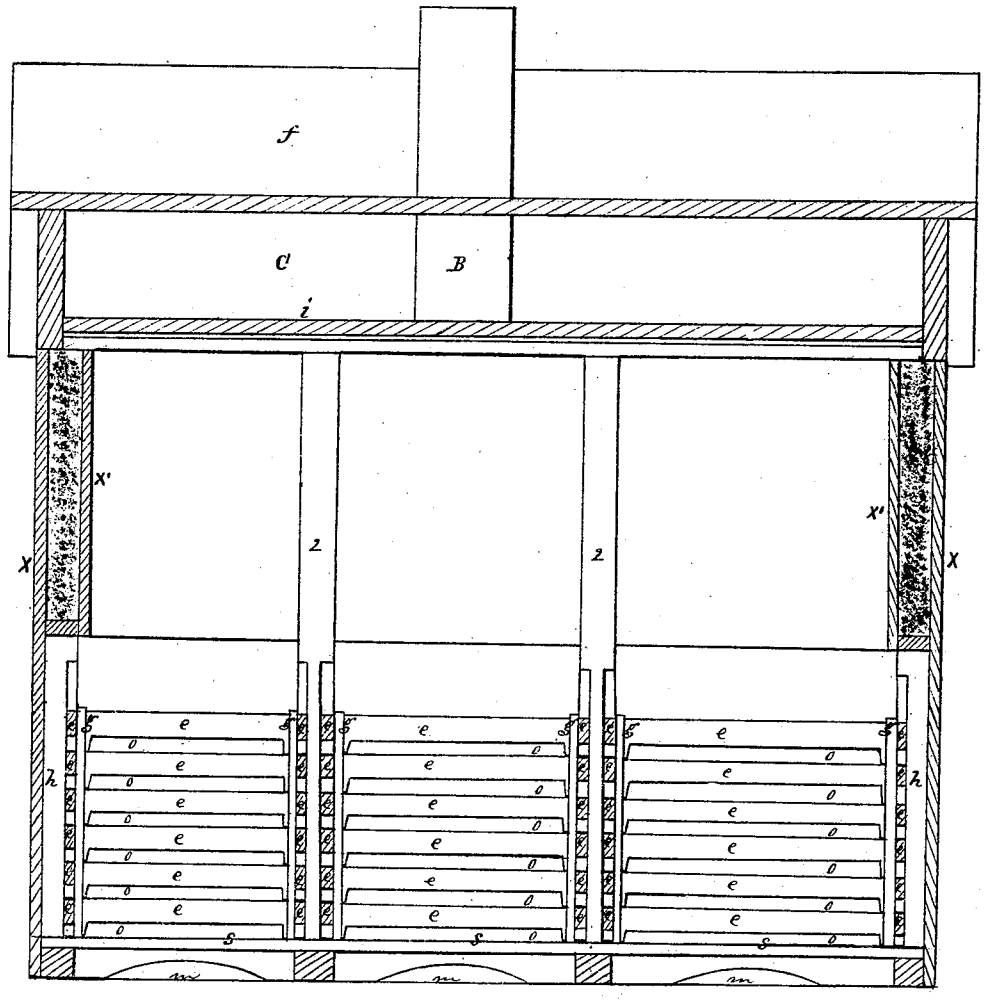
3 Sheets. Sheet. 2.

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Fig. 2.



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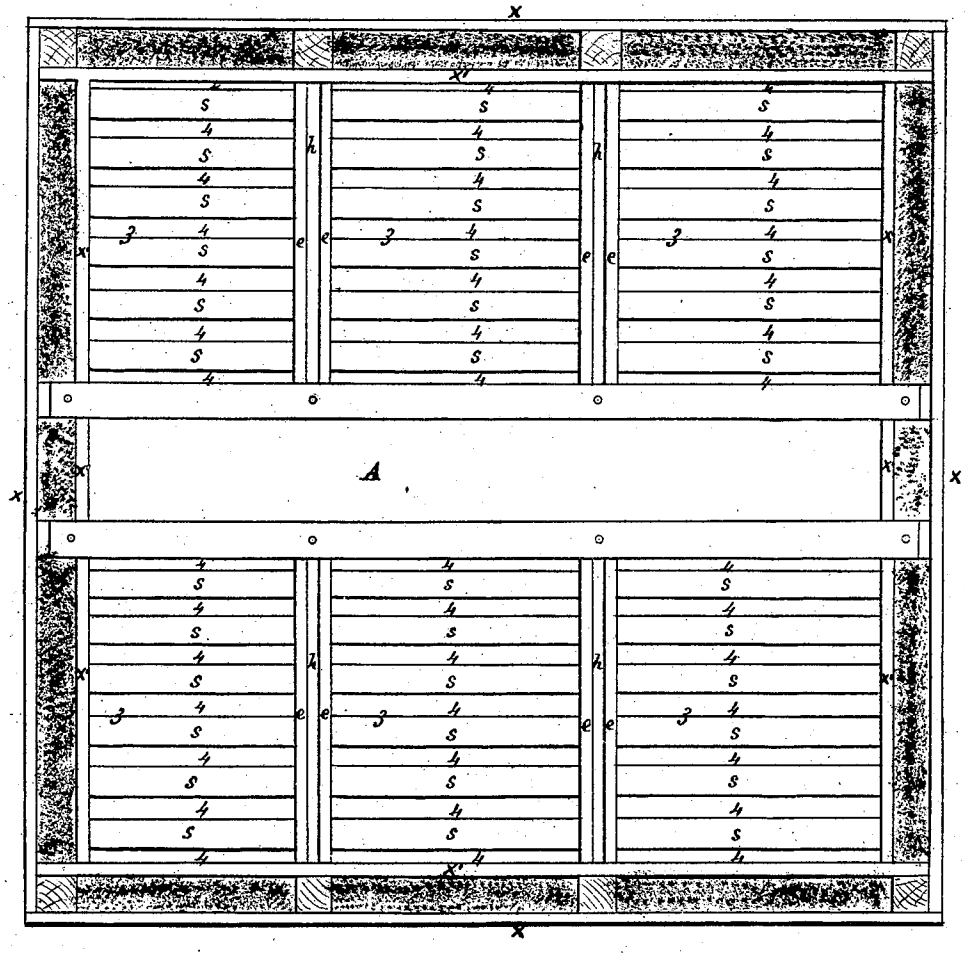
3. Sheets, Sheet 3.

N. Cole,

Fruit House.

No. 95657. Patented Oct. 12. 1869.

Fig: 3



N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

United States Patent Office.

NATHAN COPE, OF NEW WATERFORD, OHIO.

Letters Patent No. 95,657, *dated October* 12, 1869.

IMPROVEMENT IN FRUIT-HOUSES.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, NATHAN COPE, of New Waterford, in the county of Columbiana, and State of Ohio, have invented a new and useful Improvement in Fruit-House; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon.

The nature of my invention consists in so constructing a house for storing and preserving fruit and vegetables, that air will circulate around and through its bins or rooms, said house, with its bins or rooms, being constructed and arranged as hereinafter described.

To enable others to make and use my invention, I will proceed to describe its construction and operation.

In the accompanying drawings, which form part of my specifications—

Figure 1, sheet 1, is a transverse section of my improvement in a house for the storing and preservation of fruit and vegetables.

Figure 2, sheet 2, is a longitudinal and vertical section of the same, when cut through at line *y* of fig. 1.

Figure 3, sheet 3, is a top view or plan of the same, when the roof is removed.

Figure 4, sheet 1, is a side view of one of the bars or rails, used for forming the bins or rooms.

In the accompanying drawings—

x represents the outer wall of the building.

f represents the roof, and *i* the ceiling.

x' represents the inner wall of the upper portion of the building.

The space between the inner and outer walls is filled with sawdust, tan-bark, or other suitable matter.

The bins or rooms marked 3, are formed of slats or rails, marked *e* and *f*. The form of the slat, bar, or rail *e*, used for forming the side walls of the bin or rooms, is clearly shown in fig. 4.

By making the slats, bars, or rails *e* of the form represented, spaces between the slats, bars, or rails, will be formed, as indicated at *o*.

The floor of the bins or rooms is formed by means of the slats, bars, or rails *s*, which are so arranged as to leave open spaces, 4, between them.

The slats, bars, or rails *e*, are held in the desired position by means of strips *g*, and recesses in the posts 2. The form of groove for the reception of the ends of slats, bars, or rails *e*, will be readily suggested to the mind of the skilled mechanic.

h represents spaces between the wall *x* and the bins or rooms.

A represents a hall or wagon-way between the bins.

The floor of the hall A should be formed of thick boards or planks.

m represents channels for the admission of air under the floor of the bins or rooms, and into spaces *h*.

B represents a flue for carrying off impure air or gas.

C represents an air-tight space or loft, between the ceiling *i* and roof *f*.

An embankment of earthy matter is thrown up against the lower portion of the walls *x*, as indicated at *l*.

The sawdust or tan-bark between the walls, the air-tight space, and the embankment *l*, are used for the purpose of protecting the interior of the building from undue change of temperature from either heat or cold.

By constructing the bins or rooms 3 in the manner and by the means hereinbefore described, their height may be increased or diminished at pleasure, and by having the spaces between the slats, bars, or rails, of the walls and floor of the bins or rooms, air is allowed to circulate freely among the fruit or vegetables.

I have found, by experience, that apples stored in bins or rooms constructed and arranged in a building made as herein described, will keep fresh and sound much longer than when kept in the ordinary way. It is a fact well known to the horticulturist and fruiterer, that apples or vegetables stored on shelves, in a room well ventilated with fresh air, will keep fresh and sound much longer than when stored in close barrels or cellars, which is the ordinary practice.

The object of my invention is to provide a convenient and suitable repository, adapted to the nature of fruit and vegetables, and supply a want long felt by the horticulturist and fruiterer.

Having thus described the nature and construction of my improvement,

What I claim as of my invention, is—

A fruit-house, constructed as hereinbefore described, with bins, the walls of which are formed of movable slats, constructed, arranged, and operating substantially as set forth.

NATHAN COPE.

Witnesses:

GEO. H. THOMAS,

JAMES J. JOHNSTON.