

W. Loofbrouwer.

Hop Dryer.

N^o 88,395.

Patented Mar. 30, 1869.

Fig. 2.

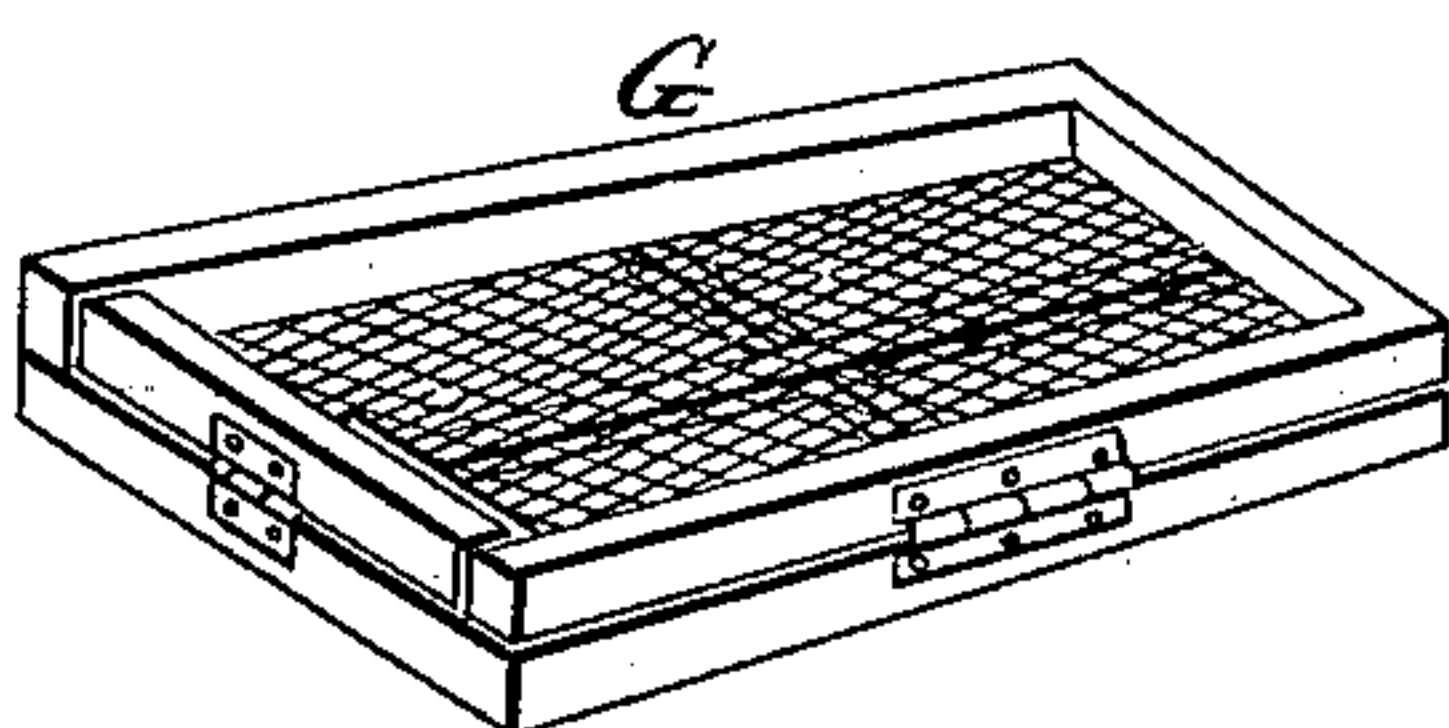
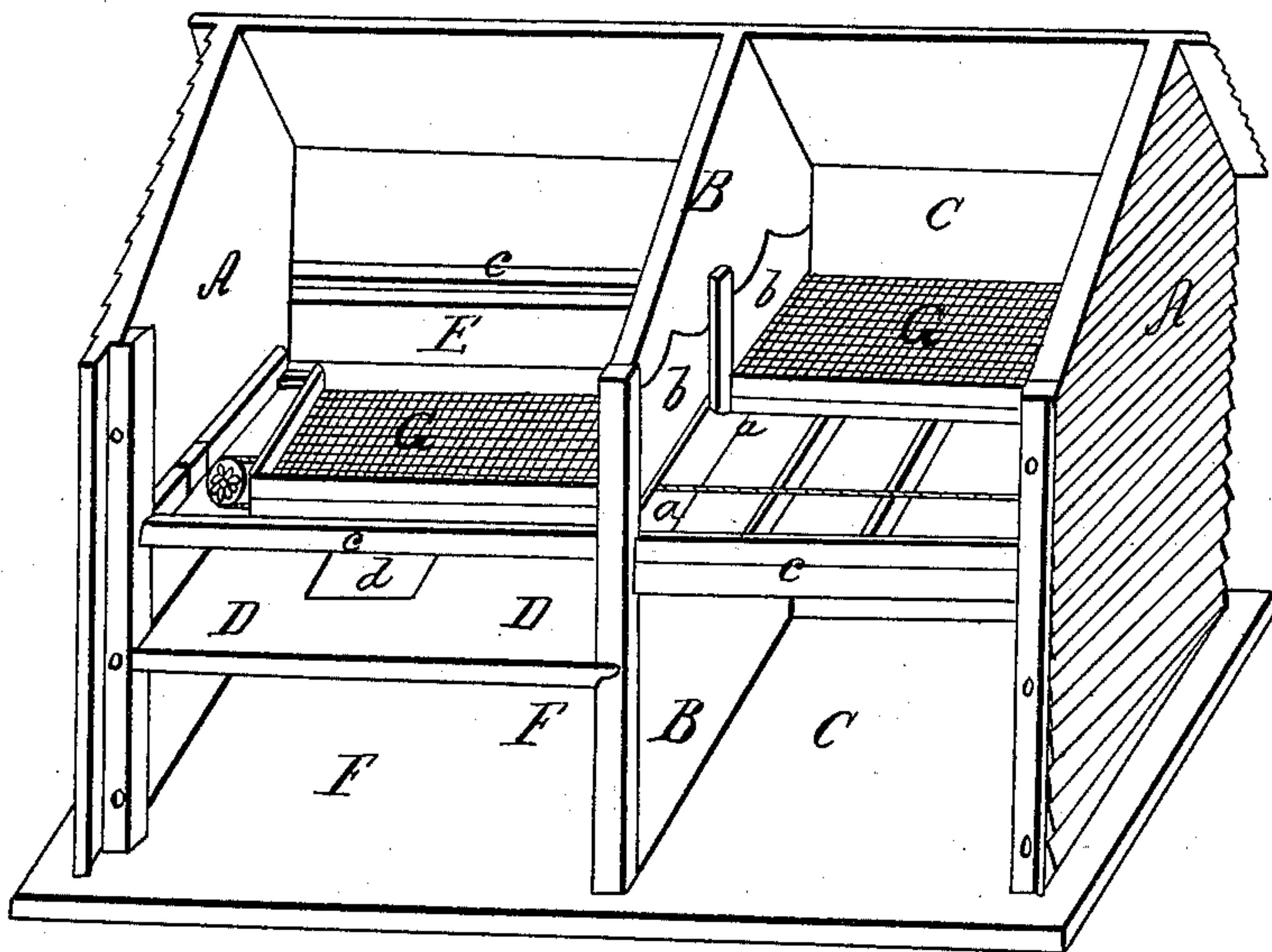


Fig. 1.



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WILLIAM LOOFBOUROW, OF FAYETTE, WISCONSIN.

Letters Patent No. 88,395, dated March 30, 1869.

IMPROVEMENT IN HOP-DRIER

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, WILLIAM LOOFBOUROW, of Fayette, in the county of La Fayette, and State of Wisconsin, have invented a new and improved Hop-House; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 represents a perspective view, partly in section, of my improved hop-house.

Figure 2 is a perspective view of one of the carriages used therein.

Similar letters of reference indicate corresponding parts.

This invention relates to a new building for drying and storing hops, it being so arranged that the hops therein can be easily handled, and conveniently conveyed in the building from the cooling to the drying, and thence to the storing-room.

The invention consists—

First, in a peculiar arrangement of the building, and

Second, of a new kind of carriage for conveying the hops within the building.

A, in the drawing, represents a building made of suitable size and material. In it is arranged a vertical partition, B, by which the house is divided into two rooms, of which the smaller one, C, is the kiln, and the larger one, the cooling and storing-department.

In the larger room is arranged a horizontal floor, D; by which it is subdivided into an upper, or cooling-chamber, E, and into a lower, or store-room, F.

In the partition B are openings *a a*, which can be closed by means of sliding gates *b b*, as shown.

c c are rails, arranged in the cooling-room, and extending into the drying-room C.

On these rails are supported movable carriages G G, which, when they are filled with hops in the cooling-room, are covered with perforated covers, and are then, through the openings *a*, conveyed into the drying-room, after which the gates *b* are closed.

The carriages have perforated bottoms, so that the heat from a suitable furnace can readily pass through the same, and dry the hops. When the hops are sufficiently dry, the doors *b* are opened, and the carriages withdrawn into the cooling-room. Then one side, or a side and end-board of each carriage are swung down, they being hinged, as in fig. 2, and the hops are swept off, through a trap-door, *d*, into the store-room F.

The carriages may be connected by ropes or chains that pass over pulleys, and should be so arranged that while one or one set is in the drying-room, the other is being filled in the cooling-room, and *vice versa*.

Having thus described my invention,

I claim as new, and desire to secure by Letters Patent—

1. The herein-described arrangement of a hop-house, having the cooling, drying, and store-rooms, and provided with openings *a* and gates *b*, in one partition, and with movable carriages G G, substantially as described, all operating as specified.

2. Providing the carriages G with perforated bottoms, and with one or more folding sides or ends, as set forth.

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