

J. B. STRATTON.
Drying-Racks.

No. 158,540.

Patented Jan. 5, 1875.

Fig 3.

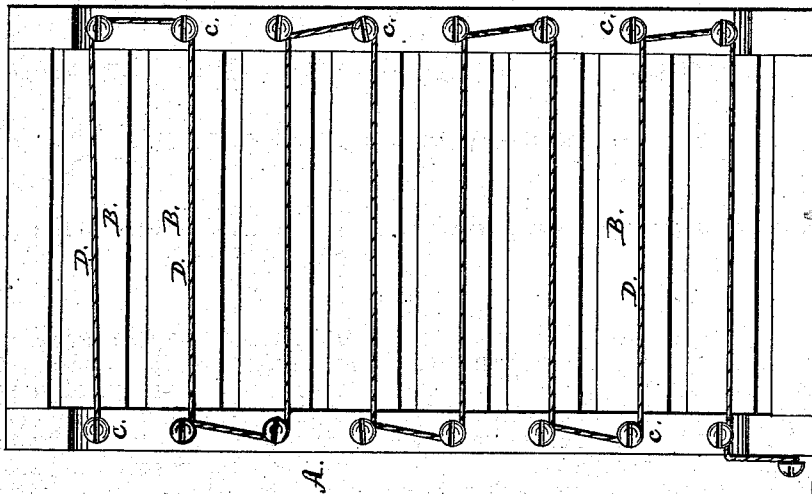


Fig 2.

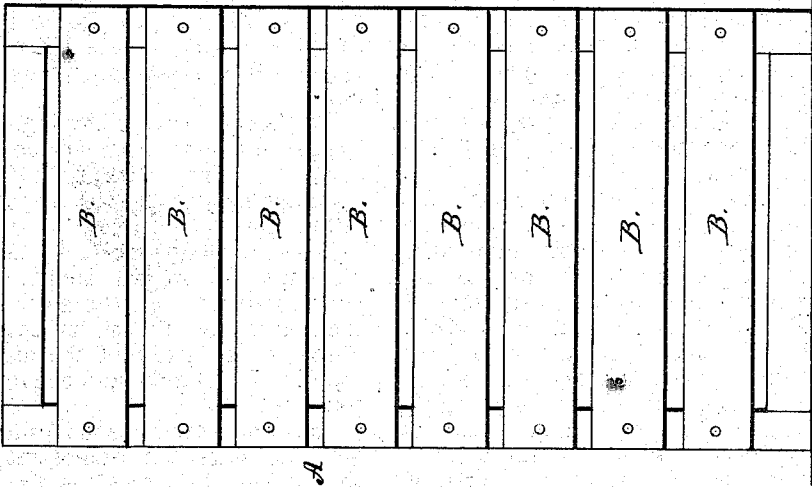
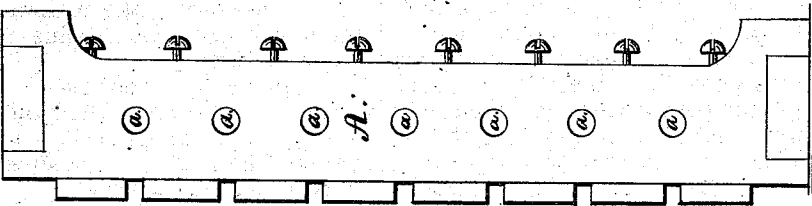


Fig 1.



Witnesses:

Wm. D. Patten.
Jos. C. Wildman

Inventor:

Jackson B Stratton

UNITED STATES PATENT OFFICE.

JACKSON B. STRATTON, OF WATERLOO, NEW YORK.

IMPROVEMENT IN DRYING-RACKS.

Specification forming part of Letters Patent No. **158,540**, dated January 5, 1875; application filed June 4, 1874.

To all whom it may concern:

Be it known that I, JACKSON B. STRATTON, of Waterloo, Seneca county, New York, have invented a machine called a Portable Drying-Rack, for the drying of yeast-cakes, of which the following is a specification:

My invention consists in a portable rack or frame for the holding and drying of yeast-cakes, in such a manner that they will dry rapidly and evenly in a shorter space of time than by any other method in use.

Figure 1 is a side elevation of my machine. Fig. 2 is the under side of same. Fig. 3 is the upper side of same.

A is the frame of the portable rack. It is composed of four strips of wood or metal, as desired, perforated through the sides along their entire length with holes marked *a a*. Said frame A is about one and three-quarters inch in height, but may be varied in size to accommodate the size of the cakes to be dried. The upper edges of the ends and sides are cut or hollowed in for nearly their entire length, in order to leave the corners higher than the other portions of the frame. The frames can be made any size. I prefer two (2) feet by six, (6.) The strips marked B are narrow slats fastened flatwise across the under side or bottom of the frame A, so as to leave a narrow space or opening between the edges of each slat. These openings or spaces are so arranged as to come midway between the cords, slats, or wires D, which extend across the upper and opposite side of the frame A. The wires D are stretched on pegs or screws, marked C, across the upper side or top of the frame A, as shown in Fig. 3. They extend across from one side to the other, leaving spaces or intervals of about one-half of an inch between each,

which spaces may be varied according to the size of the cake to be dried. These wires are drawn across the top of frame A, so as to stretch directly over and opposite the middle of the under slats B. Instead of wires a cord may be used, or strips of wood or metal may be fastened across in the same relative position, or let into the frame edgewise, so as to leave an open space between their lower edges and the slats B for the free circulation of air.

For the purposes of drying, the yeast cakes are set edgewise between the slats, wires, or cords D. The cakes are thicker than the openings between slats B, which prevent their falling through. By the construction of the rack as above described, a free circulation of air is insured around each cake from above, below, and through the sides and ends, and each cake has almost its entire surface exposed to the action of the air, and becomes rapidly, thoroughly, and evenly dry in a short space of time.

The upper corners of the frames being higher than the sides, the frames may be piled one above the other, and the free circulation of air around each cake maintained, so that a permanent rack for holding frames may be dispensed with.

I claim as my invention—

The combination of the grating or slats B, and the cords, wires, or slats D, with the perforated frame A, in the manner hereinbefore set forth and described.

JACKSON B. STRATTON.

Witnesses:

EDWARD NUGENT,
GEORGE SALEMAN.