

BENONI YAW.

Improvement in Boxes for Preserving and Packing Perishable Articles.

No. 133,000.

Fig. 1.

Patented Nov. 12, 1872.

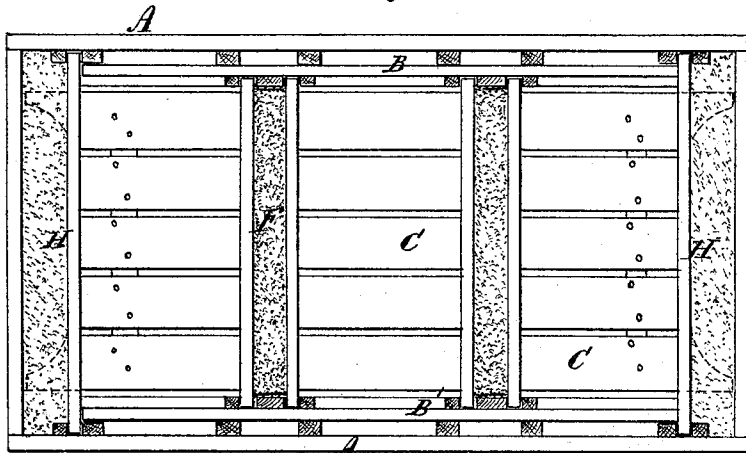


Fig. 2.

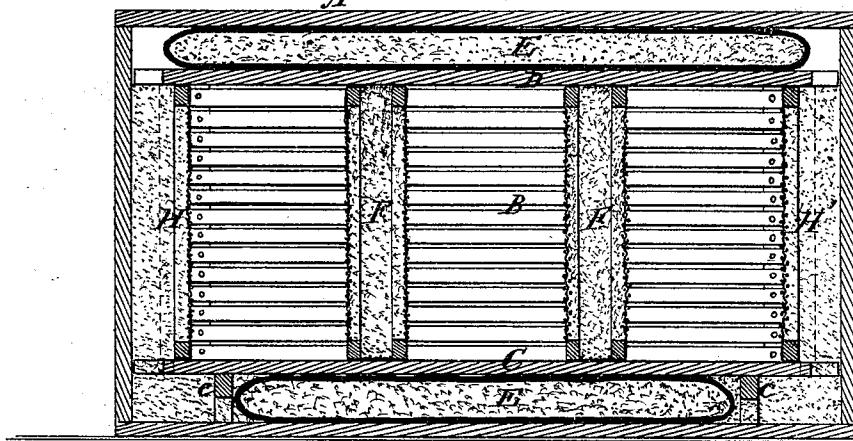
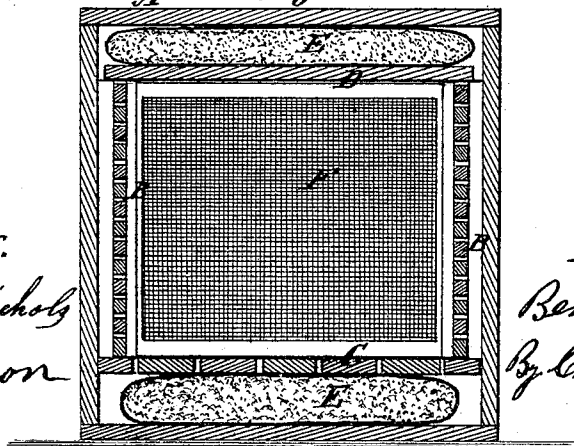


Fig. 3.



Witnesses.
Wallace Nichols
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UNITED STATES PATENT OFFICE.

BENONI YAW, OF NEW CONCORD, OHIO.

IMPROVEMENT IN BOXES FOR PRESERVING AND PACKING PERISHABLE ARTICLES.

Specification forming part of Letters Patent No. 133,000, dated November 12, 1872.

To all whom it may concern:

Be it known that I, BENONI YAW, residing at New Concord, in the county of Muskingum and State of Ohio, have invented certain Improvements in Packing and Preserving Eggs, Fruits, Vegetables, Butter, &c., of which the following is a specification:

This invention relates to the class of packing-boxes intended for preserving perishable articles, such as eggs, fruits, &c., from decay, and which are, to this end, provided with double walls, the spaces between which are filled with some preservative substance, the fumes from which rise or pass through perforations in the inner walls and are disseminated among the articles contained in the receiving-chamber.

Heretofore the preservative substance has been packed loosely in the spaces between the walls, and would pass or sift through the perforations in the interior walls of the box, soiling or tainting the articles in the box. This defect is remedied by my improvement, which consists in placing the preservative substance or compound in a bag or sack, and, thus confined, inserting it between the walls of the box; and it further consists in the use of transverse partitions made of a woven fabric, and filled with the preservative compound to more thoroughly subject the body of the articles in the box to the action thereof.

Figure 1 is a plan view, with the inner and outer top boards removed. Fig. 2 is a vertical longitudinal section. Fig. 3 is a vertical transverse section.

The same letters of reference are used in all the figures in the designation of identical parts.

The outer box A is composed, as usual, of permanently-jointed sides and ends and a removable top. The inner box I construct with the ends B and B' of slats or bars, with intervening spaces, secured to cleats upon the interior of the sides of the box A, forming a narrow space between the boxes. The bottom C is a loose board, supported by suitable feet *c* the proper distance above the bottom of the outer box, and the top D is also loosely placed upon the permanent sides B and B'. Both the bottom C and the top D are slotted or perfo-

rated, as shown. The preservative compound is packed in suitable flat bags E, and in that condition one such package is placed beneath the bottom C, and after the box has been filled with the articles to be preserved another is placed on the top D, after which the top of the outer box may be fastened down. The receiving-chamber is divided into several compartments by removable partitions F, which consist of a wooden frame-work fitted to slide between cleats on the sides, and covered with a woven fabric so as to form a shallow or flat receptacle, into which some of the preserving-compound is placed. The ends H and H' of the inner box are also wooden frames sliding in cleats on the sides; but they have only one thickness of woven-fabric covering, and form no receptacle, the compound being retained between them and the ends of the outer box, as shown.

The preservative compound I use in combination with my box is composed of about one barrel of salt, one-half bushel of charcoal, and one pound of saltpeter, crushed and mixed thoroughly.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. In combination with a packing-box composed of a tight outer and a perforated inner box, the preserving-compound confined in bags between the boxes, substantially as specified.

2. In combination with a box such as described in the preceding claim, sliding partitions F covered with a woven fabric, and containing a preservative compound.

3. The herein-described packing-box, composed of the outer box A, bars B and B', sacks E filled with preservative compound, loose bottom C and top D, and sliding ends H H', and partitions F, retaining preservative compounds, all substantially as specified.

The above specification signed by me this 20th day of August, A. D. 1872.

BENONI YAW.

Witnesses:

WILLIAM TIMMS,
HENRY TIMMS.