

W. CROWELL.

VENTILATING BARRELS FOR SHIPPING FRUIT, VEGETABLES, &c

No. 194,994.

Patented Sept. 11, 1877.

Fig. 2.

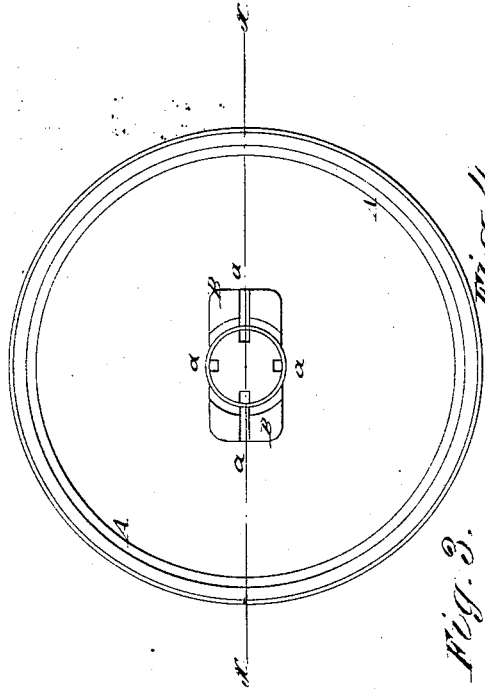


Fig. 4.

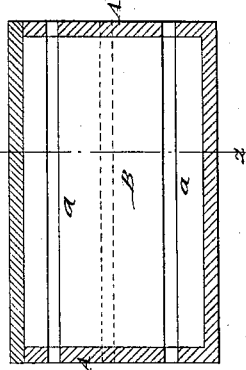


Fig. 3.

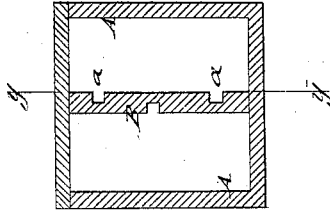
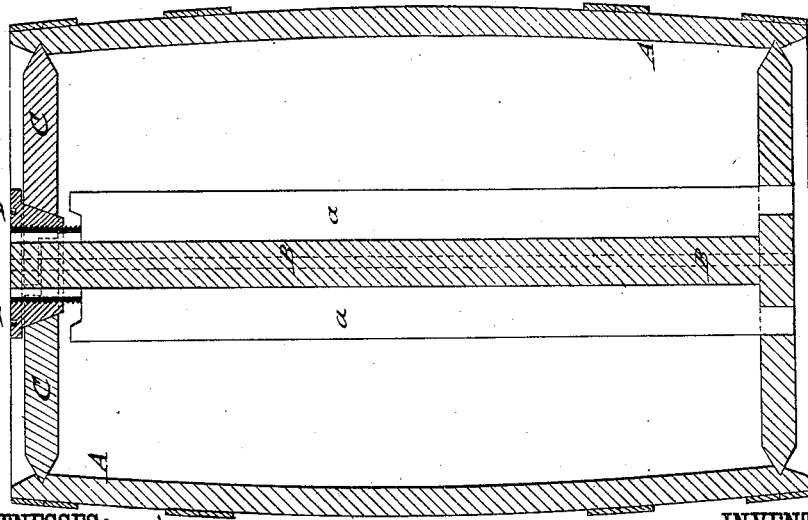


Fig. 1.



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UNITED STATES PATENT OFFICE.

WILLIAM CROWELL, OF DENNIS, MASSACHUSETTS.

IMPROVEMENT IN VENTILATING-BARRELS FOR SHIPPING FRUITS, VEGETABLES, &c.

Specification forming part of Letters Patent No. **194,994**, dated September 11, 1877; application filed June 25, 1877.

To all whom it may concern:

Be it known that I, WILLIAM CROWELL, of Dennis, in the county of Barnstable and State of Massachusetts, have invented a new and Improved Ventilating Barrel or Box, of which the following is a specification:

The object of this invention is to provide, for the packing and shipment of fruits, vegetables, and other articles of perishable nature, an improved barrel or other package that is sufficiently ventilated at the center to prevent the decaying of the articles; and the invention consists of a barrel, box, or other package having a grooved center piece or partition for admitting air, and a sectional removable head, secured by a conical nut, binding on the head-sections and turning on the threaded end of the center piece.

In the accompanying drawings, Figure 1 represents a vertical central section of a barrel with my improved ventilating center piece on line *x x*, Fig. 2; Fig. 2, a top view of the barrel with head removed; and Figs. 3 and 4 are vertical transverse and longitudinal sections, respectively, on line *z z* and *y y*, of a ventilating-box.

Similar letters of reference indicate corresponding parts.

A represents a barrel, box, or other package for the shipment of articles of perishable or imperishable nature; and B, the center piece, partition, or post of the same, which is provided with grooves *a* at the ends and sides, said center partition being extended through recesses in the heads or ends of the package, so that the air is admitted freely to the interior of the barrel or box.

As the decay of the articles commences generally in the center of the barrel, on account of the lack of air, this objectionable feature

of the packing of fruits, vegetables, and other articles is prevented by the use of my ventilating center piece, post, or partition.

In barrels a sectional and removable head, C, is used, which is secured by a flanged nut, D, with conical body, bearing on corresponding recesses of the head-sections, so as to bind them rigidly into the croze of the barrel. The nut D turns on a thread on the end of the center piece B, or, preferably, on a threaded metallic sleeve on the same, the ventilating-grooves being extended inside of the sleeve through the head of the barrel, as shown in Fig. 1.

By unscrewing the nut the head-sections may be readily detached, and the contents of the barrel removed, and vice versa.

By the use of such ventilated barrels, boxes, or packages, articles of perishable nature may be shipped and preserved for a long time in good state, without being exposed to premature decay by the absence of ventilation in the center, as in the common packages at present in use.

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

In a ventilating-barrel, a center piece having air-admitting grooves, communicating through the heads with the outer air by means of a threaded metallic sleeve inclosing the end of the ventilating-post, slotted within the sleeve to admit air, said sleeve being adapted to engage with a sectional removable head and a flanged conical screw-nut, substantially as set forth.

WILLIAM CROWELL.

Witnesses:

JOSHUA C. HOWES,
FLORENCE HOWES.