

R. C. ARMSTRONG.
REFRIGERATOR BARREL.

No. 178,094.

Patented May 30, 1876.

Fig 1.

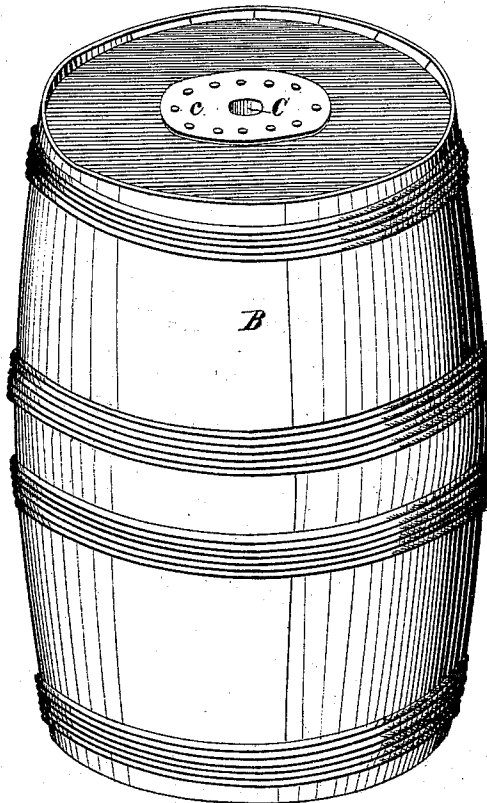


Fig 2.

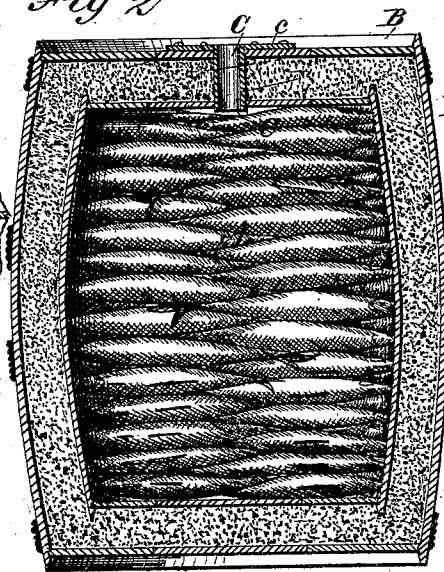
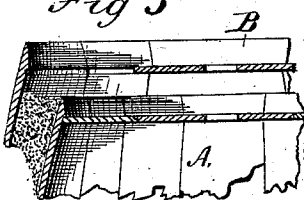
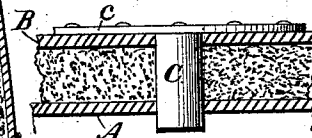


Fig 3.



Witnesses
Harry C. Clark
Wm. E. Stallings

Fig 4.



B.

Inventor.

Robt C. Armstrong.

by Geo. Beadle & Co
Attys

UNITED STATES PATENT OFFICE.

ROBERT C. ARMSTRONG, OF ALEXANDRIA, VIRGINIA.

IMPROVEMENT IN REFRIGERATOR-BARRELS.

Specification forming part of Letters Patent No. **178,094**, dated May 30, 1876; application filed May 2, 1876.

To all whom it may concern:

Be it known that I, ROBERT C. ARMSTRONG, of Alexandria, in the county of Alexandria and State of Virginia, have invented a new and useful Improvement in Refrigerator-Barrels; and I do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

This invention is designed, mainly, for the transportation of fish; and consists of an inner barrel, adapted to contain the fish and proper refrigerating materials, inclosed by an outer barrel sufficiently large to afford intermediate space for holding non-conducting material, the inner barrel being provided with an outlet-tube communicating with the open air, as will be fully described hereinafter.

In the drawings, Figure 1 represents a perspective view of the barrel in condition for shipping; Fig. 2, a central vertical sectional elevation, and Figs. 3 and 4 partial views of the barrel-heads and outlet-tube enlarged.

To enable others skilled in the art to make and use my invention, I will now proceed to describe fully its construction and manner of operation.

A represents the inner barrel, which may be constructed, of course, of any proper size and suitable material. B represents the outer barrel, which exceeds the inner in size sufficiently to afford proper space for holding non-conducting material, as shown, sawdust being preferred. C represents an outlet-tube, opening at one end into the interior space of the inner barrel, and at the other into the open air, as shown, it being held in place by suitable perforations in the heads of the barrels, and also by the flange c, which is nailed or otherwise properly secured to one of the heads, as shown.

The manner of using my invention is as follows: The barrels having been properly arranged, one within the other, with the non-conducting material between, the inner one is packed with fish and ice, in the usual well-known or other proper manner. When full, the head is inserted and secured in place. The central portion of the other head may then be secured in place, as shown in Fig. 3, when both may be bored at one operation for the insertion of the outlet-tube. This being put into place, the remaining space may be filled with the sawdust, and the other parts of the head inserted and secured.

Some of the advantages arising from the use of this invention are as follows: A cheap package is furnished, by means of which fish can be transported long distances in warm weather without danger of spoiling. The outlet-tube, being always open, permits any gases that may form to escape, and furnishes also a means for discharging the water resulting from the melting of the ice. The sawdust in the intermediate space absorbs the water escaping from the inner barrel, and prevents other packages in transit with it from being injured by its outflow.

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

A transportation-package for fish, consisting of an inner and outer barrel, intermediate packing, and a single outlet-tube, the whole constructed as described.

This specification signed and witnessed this 29th day of April, 1876.

ROBERT C. ARMSTRONG.

Witnesses:

THOS. LAWSON,
R. F. PADGETT.