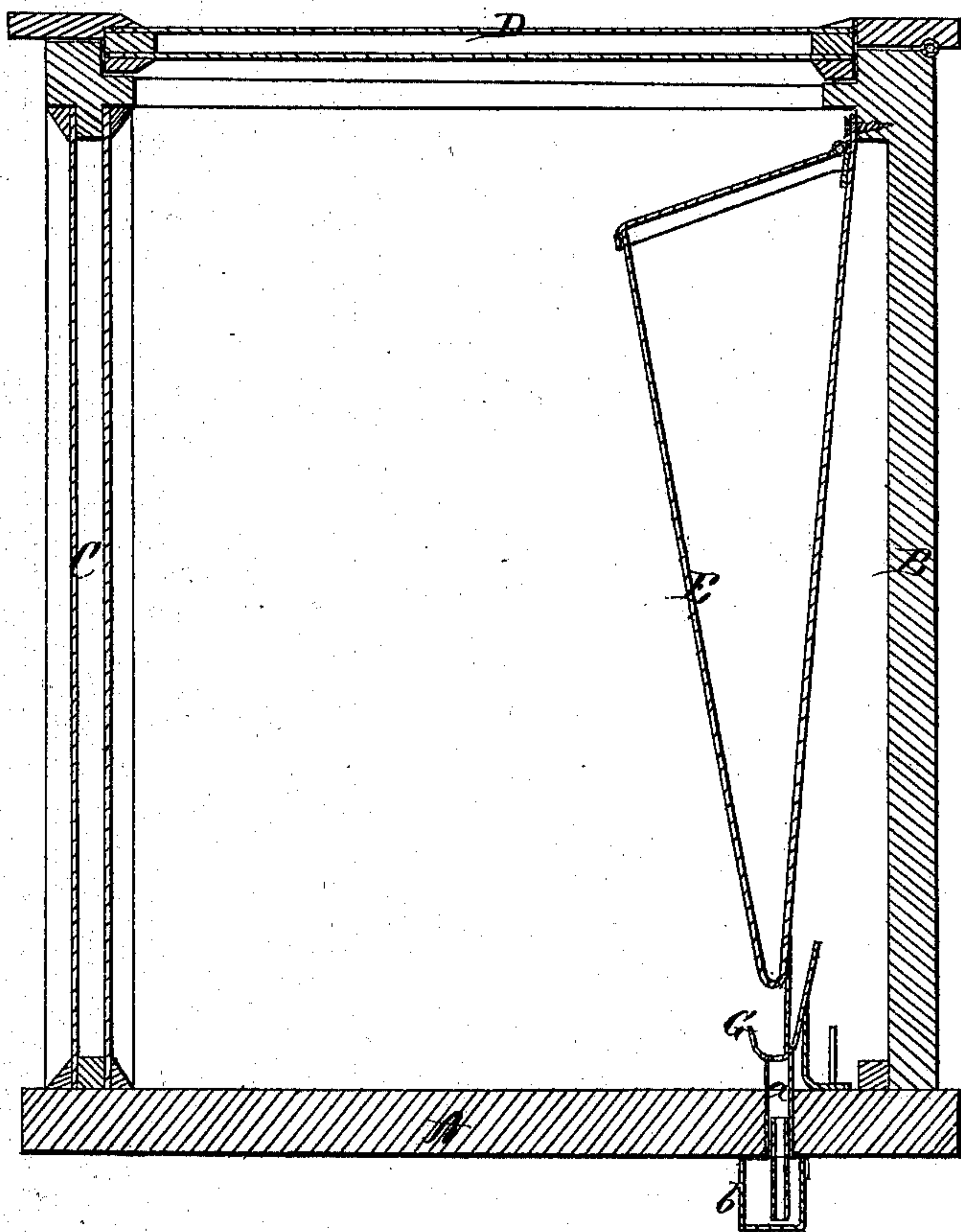


*T. J. Rankin,*

*Refrigerator.*

*No. 112,423.*

*Patented Mar. 7. 1871.*



Witnesses.

*Jas. E. Hutchinson  
 C. L. Evers*

Inventor.

*T. J. Rankin  
 per Alexander Munson  
 Atty.*



# UNITED STATES PATENT OFFICE.

THOMAS L. RANKIN, OF LYNDON, KANSAS, ASSIGNOR TO HIMSELF AND  
D. W. ROCKWELL, OF ELYRIA, OHIO.

## IMPROVEMENT IN REFRIGERATING SHOW-CASES.

Specification forming part of Letters Patent No. **112,493**, dated March 7, 1871.

*To all whom it may concern:*

Be it known that I, THOMAS L. RANKIN, of Lyndon, in the county of Osage, and in the State of Kansas, have invented certain new and useful Improvements in Refrigerator Show-Case; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing, and to the letters of reference marked thereon, making a part of this specification.

The nature of my invention consists in the construction and arrangement of a refrigerator show-case or window, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, which represents a vertical section of a refrigerator show-case.

A represents the bottom, and B the back, of my show-case, made solid, of any suitable material. The front C, as well as the sides and the lid D, are provided with double glass, as shown, leaving a dead-air chamber between the glass. At the upper edge of the back B is attached a V-shaped pan, E, extending downward to near the bottom of the case, in which pan the ice is to be packed. In the bottom of this pan are one or more holes for the water to pass out and into a trough, G, from whence it passes through a tube, *a*, through the bottom A. This tube is, at its lower end, provided with the usual device *b* to exclude the air, the same as employed in all refrigerators.

In cases where a show-window is to be made into a refrigerating-window for exhibiting perishable articles to passers-by, the ice-pan is to be arranged above, giving it a fall of about four inches to the foot, which would gather the melted frost or condensed moisture to the lowest part of the pan, where it would be gathered in troughs and conducted to outlet.

These show-cases can be made to show any kind of perishable goods for days without deterioration, and at the same time be very attractive to passers-by, exhibiting a glistening frost when the thermometer may be 100° outside.

The restaurant-keeper can expose his cold dishes; the butcher his meats in a delivery-case as he drives around town; the fish, oyster, and game dealers can have their whole windows arranged on this plan, and on the condensation plan, without any air-space, by one thickness of glass.

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

The combination of the show-case A B C D, ice-pan E, trough G, and outlet-tube *a*, all constructed and arranged substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 2d day of January, 1871.

THOS. L. RANKIN.

Witnesses:

E. H. WEAVER,  
JOHN H. O'BRIEN.