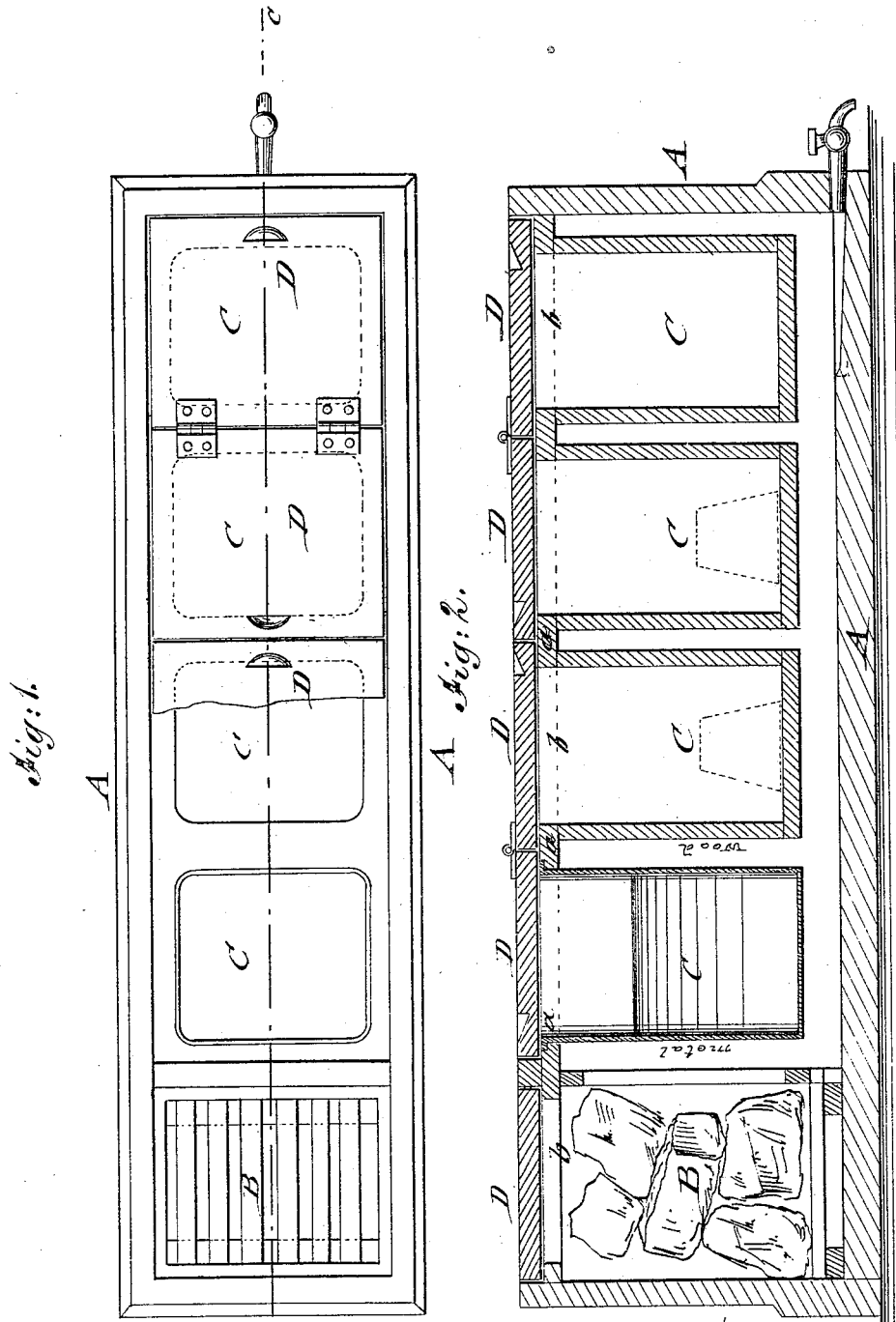


H. H. BARNES.
Refrigerator.

No. 167,425.

Patented Sept. 7, 1875.



WITNESSES:

Chas. Nida
Alex F. Roberts

INVENTOR:

H. H. Barnes
BY *Munro & Co.*

ATTORNEYS.

UNITED STATES PATENT OFFICE.

HENRY H. BARNES, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN REFRIGERATORS.

Specification forming part of Letters Patent No. **167,425**, dated September 7, 1875; application filed August 14, 1875.

To all whom it may concern:

Be it known that I, HENRY H. BARNES, of Brooklyn, Kings county, New York, have invented a new and Improved Refrigerator, of which the following is a specification:

Figure 1 represents a top view, and Fig. 2 a vertical longitudinal section on the line *c c*, Fig. 2.

Similar letters of reference indicate corresponding parts.

My invention relates to a refrigerator for grocery and other stores, for keeping butter, milk, and other articles in a cool state at a low temperature with a comparatively small consumption of ice, so that the articles are preserved in an economical manner.

The invention consists of a refrigerator with an ice-receptacle and a series of milk and butter coolers, having separately-hinged lids, the coolers being so arranged therein that the cold air can circulate around the sides and bottom of the cooling-vessels.

In the drawing, A represents a refrigerator of suitable size, in which an ice-receptacle, B, is arranged at one end or corner, so that the air communicates, through the open-work partition, with the remaining portion of the refrigerator. Suitable cooling-vessels C are supported by top flanges *a* on side strips *b* of the refrigerator, being arranged in any suitable manner to the ice-receptacle. The coolers C may be made of wood, metal, or any other suitable material, and have separately-hinged lids D, to give access to each receptacle as required. They serve for the storage of butter,

milk, lard, or other articles that require a low temperature for preservation; and the refrigerator may be arranged for butter separately, or for milk, or the different articles may be combined, according to the quantities sold.

The cold air from the receptacle circulates around the sides and bottoms of the coolers, and keeps them at a uniformly-low degree of temperature, as no air is admitted to the inside of the refrigerator by the opening of the lid, and as the cool air cannot escape therefrom. The separate access to each cooler, without interfering with the temperature of the refrigerator, economizes the consumption of ice, whose cooling influence is increased by the passage of the cold drip-water over the inclined bottom of the refrigerator to a faucet or exit-pipe at the lowermost point.

The refrigerator may be placed in position like a counter, and be used as such; or placed in a corner or other available space of the store, forming an economical and convenient device for the purposes described.

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

The combination of the casing or box A, end ice-receptacle B, pendent cooling-vessels C, and separately-hinged lids D, all arranged as set forth, for the object stated.

HENRY H. BARNES.

Witnesses:

JULIUS BROWN,
HARRIET A. BARNES.