No. 865,403. PATENTED SEPT. 10, 1907.

W. LANDRY.

REFRIGERATOR.

APPLICATION FILED FEB. 21, 1907.

Fig. 1.

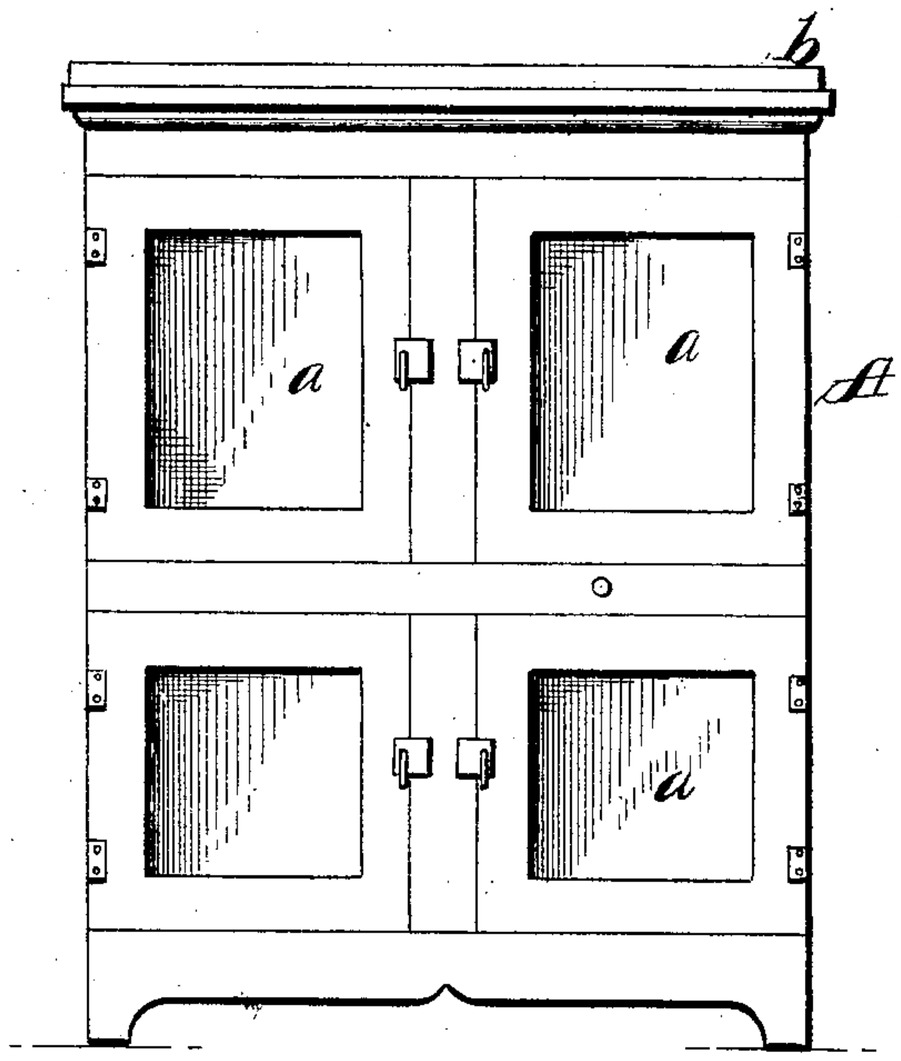
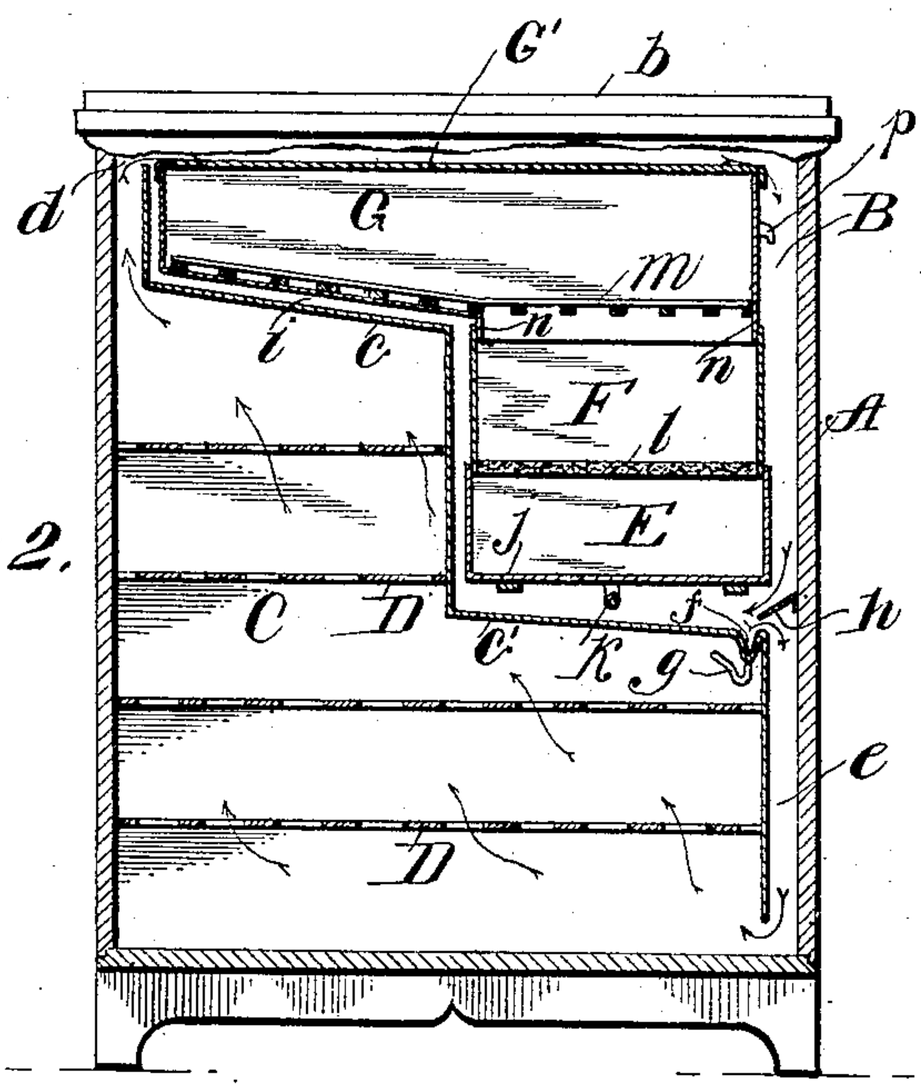


Fig. 2.



Witnesses

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WILFRED LANDRY, OF NEW ORLEANS, LOUISIANA.

REFRIGERATOR.

No. 865,403. Specification of Letters Patent. Patented Sept. 10, 1907.

Application filed February 21, 1907. Serial No. 358,570.

To all whom it may concern:

Be it known that I, WILFRED LANDRY, a citizen of the United States, residing at New Orleans, in the parish of Orleans and State of Louisiana, have invented new and useful Improvements in Refrigerators, of which the following is a specification.

My invention pertains to refrigerators, and is designed more particularly as an improvement upon the refrigerator constituting the subject matter of my Letters-Patent No. 831,616, dated September 25, 1906.

The object of my said invention is to provide a refrigerator in which the ice box, filter box and pure-water receptacle are isolated from the provision chamber so as to prevent moisture-laden air from deteriorating the contents of the latter, and are so relatively arranged and connected together that they may be readily taken apart to facilitate cleaning.

Other advantageous features of the invention will be fully understood from the following description and claims when the same are read in connection with the accompanying drawings, forming part of this specification, in which:

Figure 1 is a front elevation of my novel refrigerator. Fig. 2 is a vertical section of the same, taken in a plane parallel to Fig. 1.

Similar letters designate corresponding parts in both views of the drawings, referring to which:

A is the casing of the refrigerator. The said casing is made of wood or other material compatible with the invention, and is preferably, though not necessarily, provided with four front doors *a* and a hinged cover *b*, the latter corresponding in area to the body of the casing.

In the casing A are arranged a cooling chamber B and a provision chamber C. These chambers are separated by a wall *c*, preferably of metal and shaped as shown; and their upper portions are in communication with each other at *d* while their lower portions are connected through a conduit *e* which depends from the cooling chamber at an opposite point with reference to the passage *d*. The wall *c* is provided with a lower stretch *c'* inclined downward toward the right, and this stretch is arranged to discharge the water that collects upon it into a trough *f* from which the water is led out of the refrigerator through a suitable conduit *g*. Also arranged to discharge water into the trough *f* is a shed or inclined plate *h* which by reason of its location is adapted to catch any water that may be deposited by sweating on the walls of the vertical space at the right of the cooling chamber B.

D D are foraminated or other suitable open-work shelves arranged in the chamber C and designed to support provisions and at the same time permit air to circulate from the conduit *e* to the passage *d*.

E is a pure-water receptacle; F, a filter box, and G, an ice box having a removable cover G' to prevent contamination of water, all of which are arranged in the chamber B in such manner that a passage *i* for cold air is afforded between the wall *c* and the opposed walls of receptacle E, filter box F and ice box G. The receptacle E rests on a suitable support *j* or is suitably fixed in the casing A in the discretion of the manufacturer; and it is equipped with a faucet *k* which extends through a wall of casing A so that water may be conveniently drawn from the receptacle. The filter box F is provided at its bottom with a suitable filtering diaphragm *l*, and is nested and removably held by frictional contact in the receptacle E, while the ice box G is provided with a suitable ice-supporting rack *m*, and a depending flange *n*, the latter being nested and removably held by frictional contact in the filter box F. Thus it will be seen that practical water and air tight joints are effected between the receptacle E, filter box F and ice box G as are necessary to prevent contamination of the water, and yet when it is desired to gain access to the interiors of the receptacle E and filter box F for cleaning or other purposes, the same may be expeditiously and easily accomplished by lifting the ice box G out of the filter box F and said filter box F, in turn, out of the pure-water receptacle E. At its right-hand end, the ice box G is provided with a hook *p* to permit of it being readily lifted out of engagement with the filter box F.

In the practical use of my novel refrigerator, the cold air passes from the upper, side of the ice box G down the passage *i* and down the passages at the right and left of the ice box, filter box and pure water receptacle to the point at which said passages join. From this latter point the cold air moves downward through the conduit *e*, and from thence passes up through the shelves D to refrigerate the provisions in chamber C and back to a point above the upper, open side of the ice box G where it is again made cold and then follows the course described. In this way it will be seen that a constant circulation of cold air is maintained in the refrigerator and through the provisions, and that such circulation is conducive to the preservation of the provisions in a wholesome state for an indefinite period.

It will be gathered from the foregoing that notwithstanding the efficiency of my novel refrigerator and the facility with which it may be kept clean, the refrigerator as a whole is simple and inexpensive in construction and is well adapted to withstand the usage to which such devices are ordinarily subjected.

The construction herein shown and described constitutes the preferred embodiment of my invention, but it is obvious that in practice such changes in the form, construction, and relative arrangement of parts may be made as do not involve departure from the scope of my invention as defined in the claims appended.

Having described my invention, what I claim and desire to secure by Letters-Patent, is:

In a refrigerator, a casing, a cooling chamber, a provision chamber, a wall separating said chambers and having lower and upper inclined stretches, a vertical portion connecting the inner ends of said stretches, a portion extending upward from the outer end of the upper inclined stretch, a trough arranged to receive from the lower and outer end of the lower stretch, and a portion depending from the trough, a pure water receptacle supported in the lower portion of the cooling chamber, a filter box the lower portion of which is removably nested in the pure water receptacle, and an ice box, of greater area than the filter box, containing an ice support and having a removable cover and also having an opening in its bottom and a flange surrounding said opening and nested in and removable from the filter box; the said pure water receptacle, filter box and ice box being arranged with passages between them and the casing and separating wall, substantially as and for the purpose set forth.

In testimony whereof I, have hereunto set my hand in presence of two subscribing witnesses.

WILFRED LANDRY.

Witnesses:
A. RITTER,
LOUIS P. BRYANT.