

J. Matthews, Jr. Improvements in Refrigerators.

118037

PATENTED AUG 15 1871

Fig. 1.

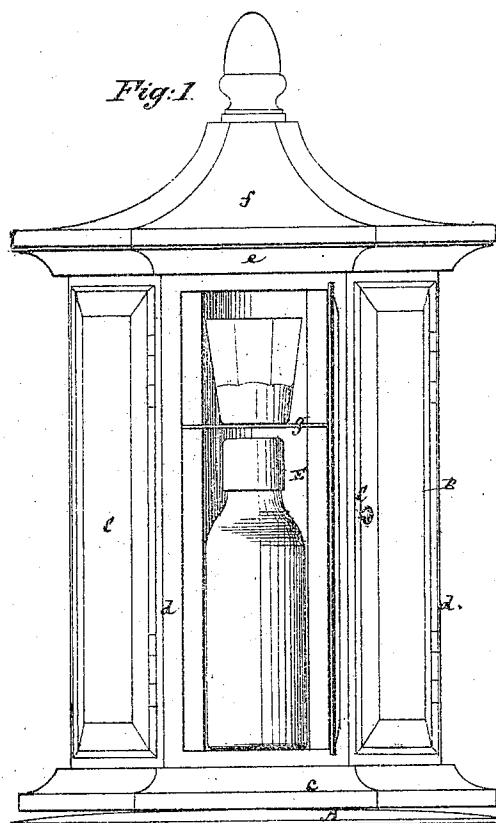


Fig. 2.

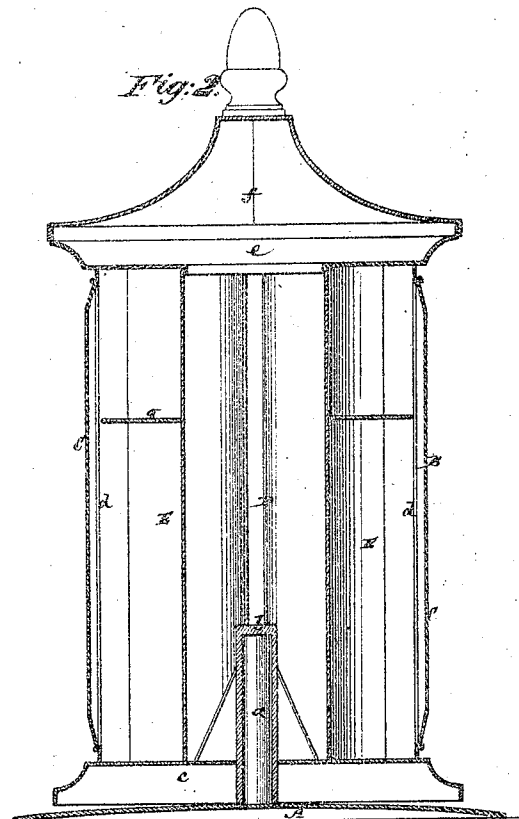
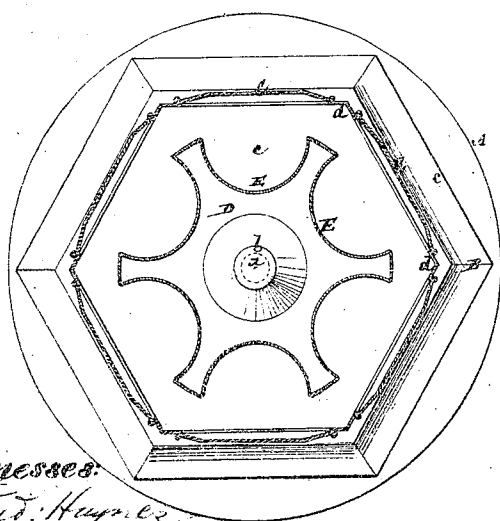


Fig. 3.



Witnesses:

Fred. H. Hager
R. R. Roberts

John Matthews Jr.

UNITED STATES PATENT OFFICE.

JOHN MATTHEWS, JR., OF NEW YORK, N. Y.

IMPROVEMENT IN REFRIGERATORS.

Specification forming part of Letters Patent No. 118,037, dated August 15, 1871.

To all whom it may concern:

Be it known that I, JOHN MATTHEWS, JR., of the city, county, and State of New York, have invented a new and useful Improvement in Refrigerators, of which the following is a full, clear, and exact description, reference being had to the accompanying drawing forming part of this specification, and in which—

Figure 1 represents a view in elevation of a refrigerator constructed in accordance with my invention; Fig. 2, a central vertical section of the same; and Fig. 3, a transverse section thereof.

Similar letters of reference indicate corresponding parts.

My improvement, while applicable to refrigerators for different purposes, is mainly designed to be used in connection with soda-water apparatus for keeping cool the sirup-bottles and tumblers thereof, or forming accessories thereto, and will here be described in such relation. It is, however, distinct in itself, and may be removed from place to place, as circumstances require. Said refrigerator, as represented in the accompanying drawing, is constructed so as to be capable of vertical rotation on a center pin or pivot, with doors arranged to inclose or expose, accordingly as they are shut or opened, a series of vertically-disposed compartments or recesses in an ice-well constructed to embrace said recesses, within which latter, and on suitable shelves connected with the ice-well on its outside, are arranged the sirup-bottles and tumblers it is required to keep cool.

Referring to the accompanying drawing, A represents a base or stand, which may either be a fixture or be removable in common with the refrigerator B, and which is provided with an upwardly-projecting center pin or pivot, *a*, for the support of the refrigerator, with freedom to turn thereon, and, preferably, so that it can be lifted off the pin, as convenience may direct. To this end, the refrigerator B is formed with a socket, *b*, arranged to project up into the ice-well, as shown in Fig. 2. Said refrigerator may be made of sheet metal, consisting, so far as its outside shell is concerned, of a base, *c*, jambs *d*, and top *e*, with a cap or lid, *f*, fitting thereon, and with doors *CC* hinged to the jambs so as to swing vertically when opening and closing the same.

It is preferable to construct the refrigerator of a many-sided figure, corresponding with the number of doors arranged around it. The base *c* forms a lower shelf for the sirup-bottles, while an upper shelf, *g*, also exposed on opening the doors, serves to carry the tumblers. These shelves lie around and on the outside of a wall, *D*, for ice or frigorific mixture, said ice-well forming a hollow central chamber extending from top to bottom of the body of the refrigerator, and the walls of which are indented or formed with recesses *E E*, of half-round or concave shape, extending down the outside of the well, and corresponding in number and arrangement with the doors *CC*, which they face. This well *D* constitutes a part of the revolving structure or refrigerator, and may be filled from the top with ice or frigorific mixture, on taking off the cap *f* for the purpose. It is shaped, as described, to receive on its lower shelf *c*, within the recesses *E E*, the sirup-bottles, and on the upper shelf *g*, within said recesses, the tumblers intended to be used in connection with the apparatus, and so that the ice or frigorific mixture will closely embrace or encompass, through the intervening wall or walls of the well, the tumblers and sirup-bottles for about half their diameters, more or less, thereby keeping the same well cooled.

The facility with which the refrigerator may be turned on its pivot allows of any particular sirup, with tumbler to receive the same, being brought in front of the operator or vender without hindrance or delay, the names of the different sirups being on or over the doors which control access to the same, and which, when closed, alike conceal the bottles and tumblers and protect them from dust and flies.

What is here claimed, and desired to be secured by Letters Patent, is—

The revolving ice-well *D*, of corrugated form, whereby the vessels placed on the shelves in the recesses *E* are partially surrounded by the refrigerating agent contained in said well, substantially as shown and described.

JOHN MATTHEWS, JR.

Witnesses:

FRED HAYNES,

HENRY PALMER.