

(No Model.)

J. BELL.
REFRIGERATOR.

No. 575,516.

Patented Jan. 19, 1897.

Fig 1

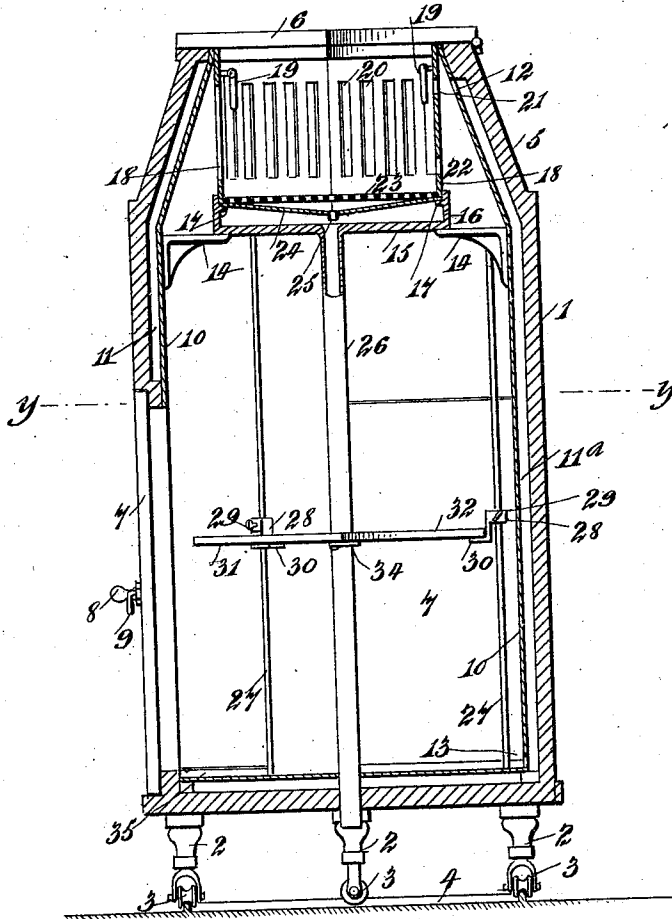
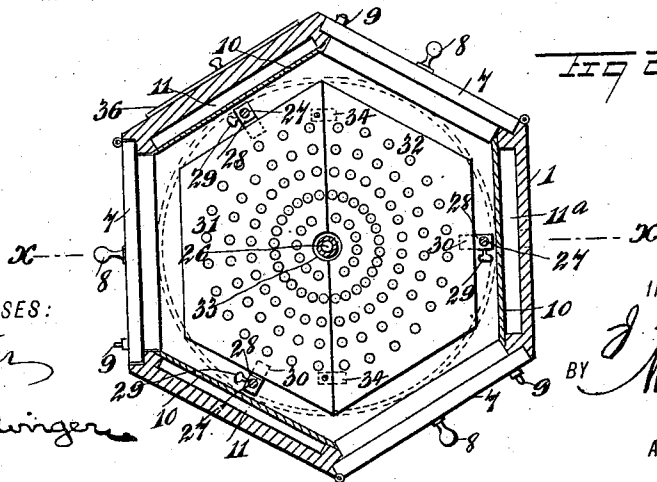


Fig 2



WITNESSES:

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UNITED STATES PATENT OFFICE.

JOSEPH BELL, OF NEW YORK, N. Y.

REFRIGERATOR.

SPECIFICATION forming part of Letters Patent No. 575,516, dated January 19, 1897.

Application filed July 9, 1895. Serial No. 555,432. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH BELL, of New York city, in the county and State of New York, have invented new and useful Improvements in Refrigerators, of which the following is a full, clear, and exact description.

This invention relates to certain improvements in refrigerators such as are employed for household purposes, and has for its object to provide a device of this character of a simple, compact, and inexpensive construction, which shall be of a neat appearance and so arranged and constructed as to be adapted to turn on a track in order to provide access to its interior, the body of the refrigerator being for this purpose provided with several doors arranged on different sides.

The invention contemplates certain novel features of the construction, combination, and arrangement of the various parts of the improved refrigerator, whereby certain important advantages are attained and the device is made simpler, cheaper, and otherwise better adapted and more convenient for use than various other devices heretofore employed, all as will be hereinafter fully set forth.

The novel features of the invention will be carefully defined in the appended claim.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in both views.

Figure 1 is a section taken vertically through the axis of the refrigerator in the plane indicated by the line $x x$ in Fig. 2, and Fig. 2 is a horizontal section taken through the body of the refrigerator in the plane indicated by the line $y y$ in Fig. 1.

In the drawings, 1 indicates the body of the refrigerator, herein shown as hexagonal in cross-section, but which may be of any desired form, being constructed with double walls in the usual way, and being provided with legs 2, having at their lower ends grooved rollers or casters 3, engaging a circular track 4, so that said body may be conveniently rotated. The upper part of the refrigerator is made somewhat contracted, as indicated at 5, and the top thereof is open, being closed by a hinged door 6. The elongated sides of the refrigerator, as herein shown, are pro-

vided with doors 7, having handles 8 and locking devices 9 of any preferred construction, such doors leading into the interior space of the body, as will be readily understood.

The body of the refrigerator is provided with an interior lining or sheathing 10 of metal, as galvanized iron or zinc, for example, spaced away from the inner face of the body to form an air-packing 11.

At the upper part of the refrigerator, just below the contracted portion thereof, is arranged a series of brackets 14, whereon is supported the drip-pan 15, having a raised edge wall 16, and on the drip-pan rests the ice-box 18, having handles 19 at its upper part, and also made in a hexagonal or other form corresponding to the cross-sectional form of the body of the refrigerator, its sides being provided with slotted openings 20 in order to permit of free circulation of air therethrough.

The ice-box 18 is provided with an outlet arranged over the mouth of the waste-pipe 26, which connects at its upper end with the central part of the drip-pan 15 and extends vertically in the axis of the body 1 and through the bottom thereof, being adapted to discharge the water collecting in the said drip-pan into a suitable basin arranged under the body 1.

Adjacent to the central parts of the closed sides of the refrigerator-body 1 are arranged vertical supporting-rods 27, whereon are mounted to slide attaching-blocks 28, having set-screws 29, whereon are supported the edges of the shelves of the refrigerator, said shelves being of hexagonal form and being each composed of two halves or sections 31 and 32.

The section 31 of the shelf is, as herein shown, supported at its opposite ends upon two of the blocks 28, and at its edge adjacent to the section 32 said section 31 is provided with plates or buttons 34, adapted to project beyond the edge of the section in order to support the adjacent edge of the section 32, which at its opposite side is supported on the block 28. The two portions of the shelves will be forced tightly together at their meeting edges, and are so held by the outer edges of the sections engaging closely against the supporting-brackets, and thus with the help of said brackets the sections will be prevented

from moving downward at the center. In practice, however, I intend after the shelves shall have been placed in position to extend a wire around the entire outer edge and fasten
5 said wire at the ends.

The device constructed as above described is extremely simple and inexpensive and is well adapted for use as a household refrigerator, since it will be seen that the interior of
10 the body is adapted for access at either of three sides through the doors 7, and said body may be turned, the rollers 3 traveling on the curved track 4 to permit this. Furthermore, the shelves are adapted to be adjusted up and
15 down, and the sections thereof may be readily separated when it is desired to remove them from the body of the refrigerator so that the interior thereof may be conveniently and thoroughly cleansed.

20 It will be obvious from the above description of my invention that the same is susceptible of considerable modification without material departure from the principles and spirit

of the invention, and for this reason I do not wish to be understood as limiting myself to
25 the exact form of the device herein set forth.

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

A refrigerator, comprising a casing having
30 a door in three of its sides and having an opening at its top provided with a cover, brackets arranged in the upper portion of the casing, a drip-pan resting on said brackets, an ice-
35 box resting on the vertical wall of said drip-pan, a tube extending vertically through the casing and communicating with the interior of the drip-pan, rods extended vertically in the casing, and blocks adjustably mounted on the rods and adapted to support shelves,
40 substantially as specified.

JOSEPH BELL.

Witnesses:

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