

No. 657,929.

Patented Sept. 18, 1900.

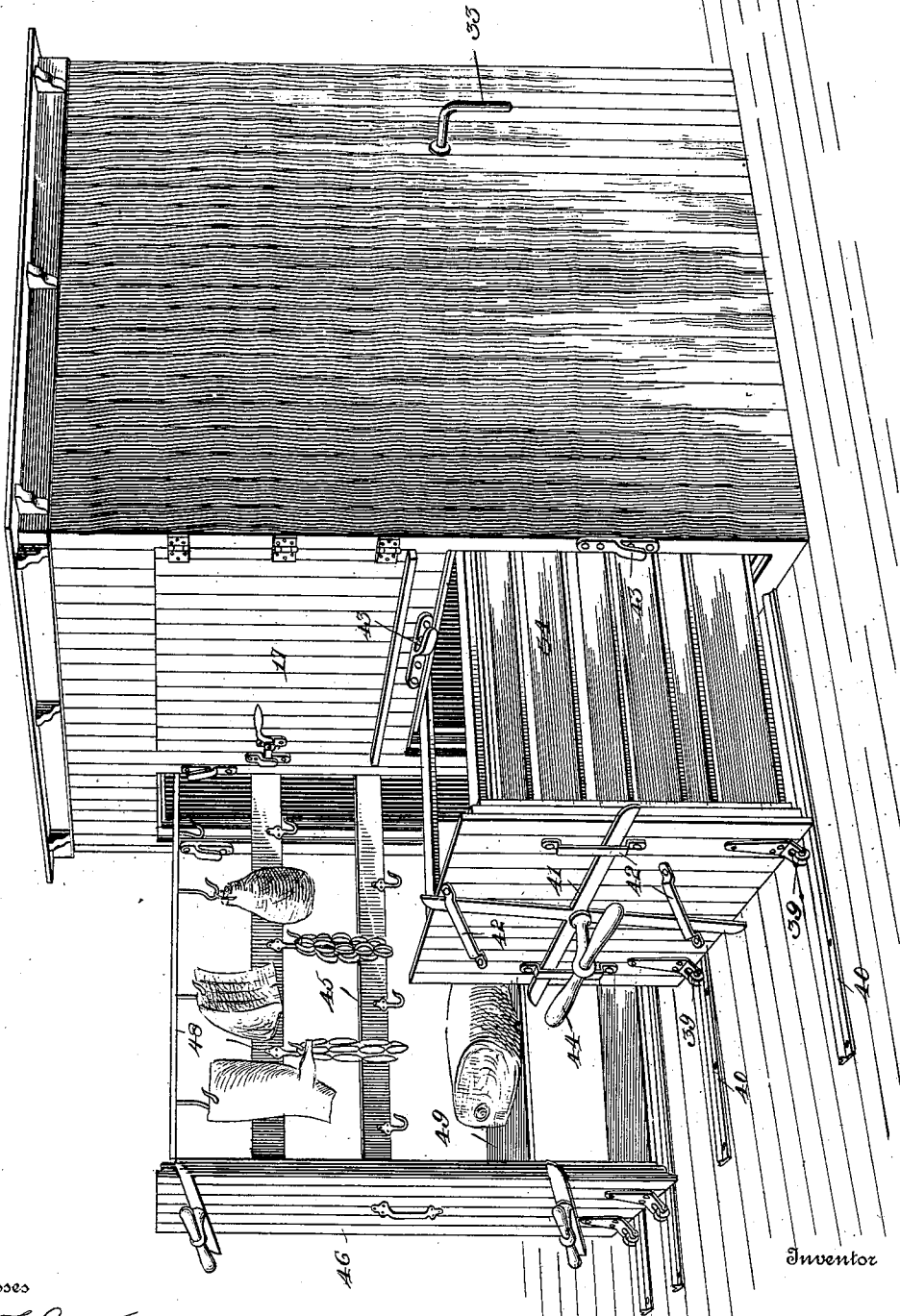
L. J. FELDKIRCHER.
REFRIGERATOR.

(Application filed Jan. 19, 1899.)

(No Model.)

4 Sheets—Sheet 1.

Fig. 1.



Witnesses

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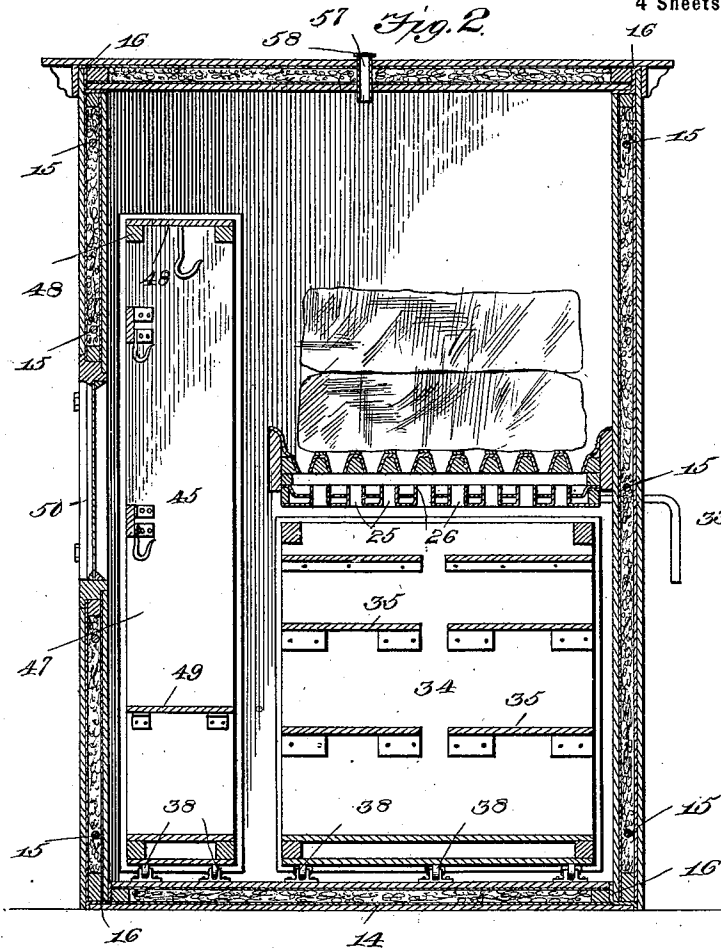
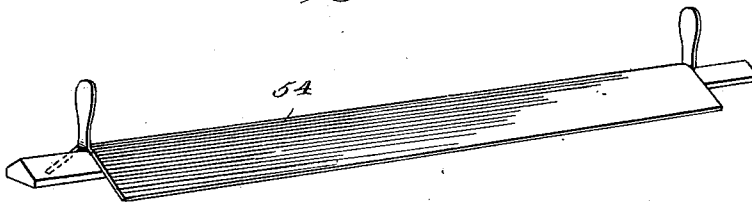


Fig. 11.



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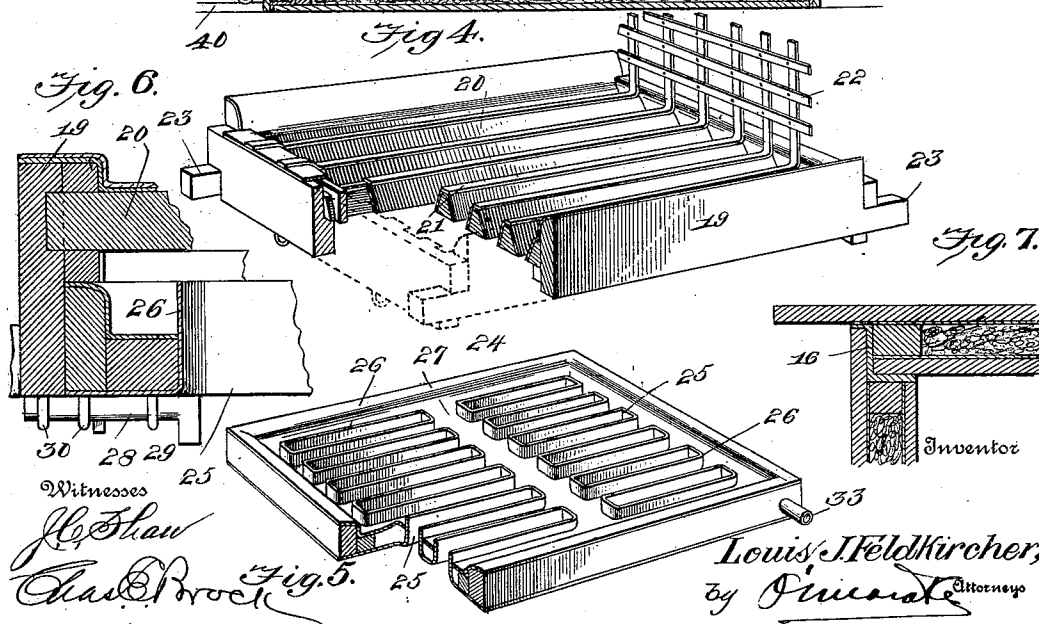
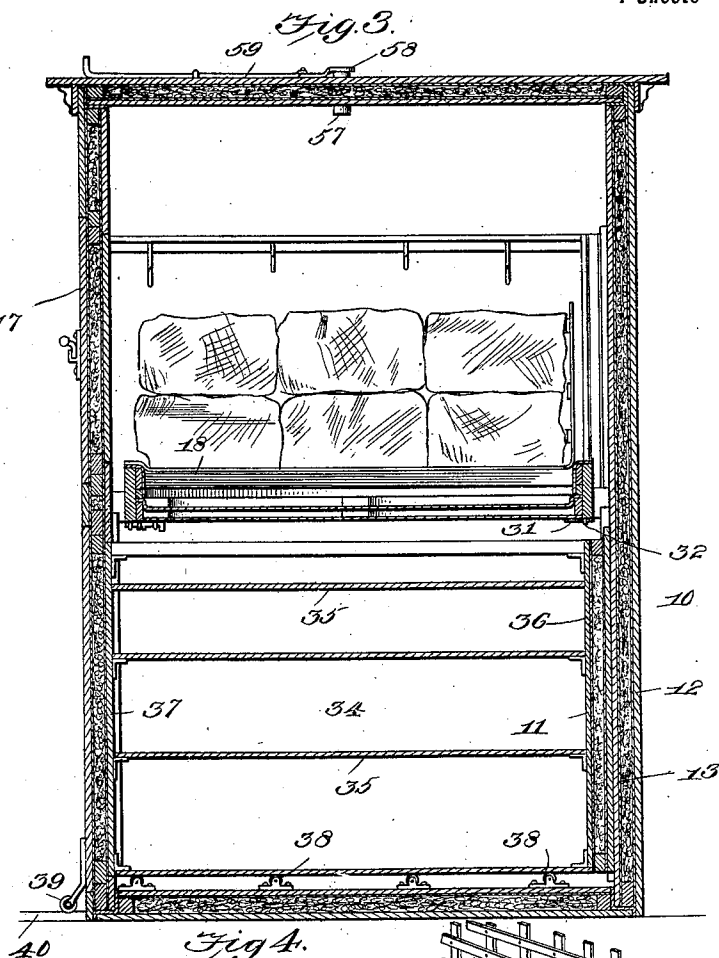
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Fig. 8.

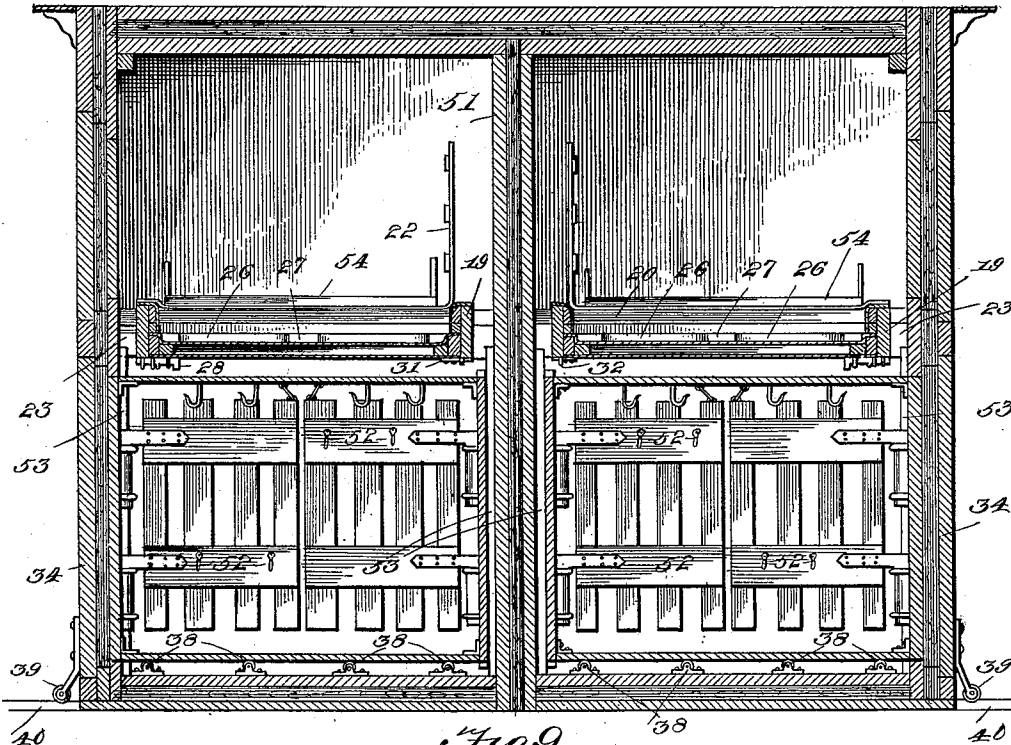


Fig. 9.

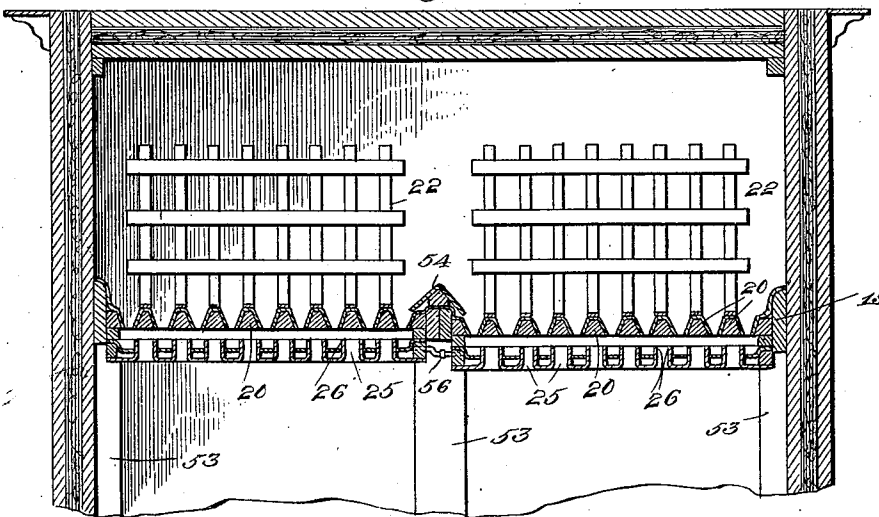
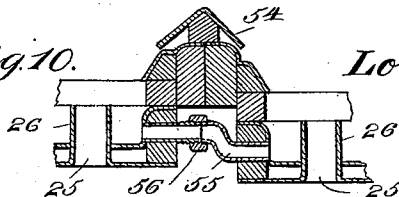


Fig. 10.



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UNITED STATES PATENT OFFICE.

LOUIS J. FELDKIRCHER, OF NASHVILLE, TENNESSEE.

REFRIGERATOR.

SPECIFICATION forming part of Letters Patent No. 657,929, dated September 18, 1900.

Application filed January 19, 1899. Serial No. 702,692. (No model.)

To all whom it may concern:

Be it known that I, LOUIS J. FELDKIRCHER, a citizen of the United States, residing at Nashville, in the county of Davidson and State of Tennessee, have invented a new and useful Refrigerator, of which the following is a specification.

This invention relates generally to refrigerators or ice-boxes, and more particularly to one intended for the use of grocerymen, butchers, or general storekeepers, the principal object of the invention being to provide a refrigerator or ice-box of such construction that the ice can be easily placed within the box and serve to keep the contents cool, and another object is to provide means whereby the contents can be quickly and easily withdrawn from the body of the ice box or chest without permitting the cold air to escape or hot air to enter.

Another object of the invention is to provide a novel construction of drip-pan, whereby the water will be carried off from the refrigerator and the downward course of cold air facilitated.

Another object of the invention is to provide a double construction of ice-box or refrigerator from which storage-chambers can be slid in opposite directions, and a still further object is to provide a double construction of ice-pan for cold-storage purposes in such a manner as to prevent the water dripping down between the sections of the pan, and another object is to provide a pan which can be quickly and easily removed and taken apart for the purpose of cleaning.

With these objects in view my invention consists in the peculiar construction of the various parts and in their novel combination and arrangement, all of which will be fully described hereinafter and pointed out in the claims.

In the drawings forming part of this specification, Figure 1 is a perspective view of an ice-box or refrigerator constructed in accordance with my invention, the provision racks or shelves being drawn out. Fig. 2 is a transverse sectional view of the ice-box or refrigerator, showing the relative location of the ice-pan and provision shelves or racks. Fig. 3 is a vertical longitudinal section. Fig. 4 is a detail perspective view of the ice rack or

support. Fig. 5 is a detail perspective view of the drip-pan which is fastened beneath the ice rack or support and forms a part thereof. Fig. 6 is a detail sectional view showing the manner of connecting the drip-pan to the ice-rack. Fig. 7 is a detail sectional view showing the details of construction of the walls of the refrigerator or ice-chest and also the manner of connecting the same. Fig. 8 is a vertical longitudinal section showing the refrigerator constructed with two independent compartments. Fig. 9 is a detail sectional view showing the manner of arranging two ice and drip pans extending entirely across the refrigerator or ice-chest. Fig. 10 is a detail sectional view showing the manner of connecting the drip-pans and ice-racks, and Fig. 11 is a detail perspective view of the water-shed.

In carrying out my invention I employ an ice box or chest 10 of any well-known construction. The refrigerator or ice-box is provided with an outwardly-swinging door 17, through which ice is introduced, the ice resting upon the rack 18, comprising the frame 19 and a series of slats or bars 20, said bars being covered with suitable metal to prevent wear.

Directly below the ice-rack and drip-pan is arranged a shelf-rack 34, comprising shelves 35, a rear wall 36, and a front wall 37, which is also the door for closing the opening leading into the refrigerator or ice-box. The shelf-rack 34 rolls upon rollers 38, mounted upon the bottom of the ice-box or refrigerator, and the door 37 carries caster-rollers 39, which travel upon the tracks 40, arranged upon the floor, the object of such rollers being to support the forward end of the shelf-rack when it is drawn entirely out, and in order to close the opening upon the interior and prevent the escape of cold air or the entrance of hot air I make the outer sheathing of the rear wall somewhat larger than the door-opening, so that it will come in contact with the inner edges of the door-opening and not only act as a stop to prevent the shelf-rack being entirely withdrawn, but will also cut off the passage of air in either direction. In order to securely fasten the door of the shelf-rack when it is in its proper position within the refrigerator or ice-chest, I employ a four-part lever 41, which works through guide-loops

42 and engages the catches 43, mounted upon the front of the refrigerator or ice-box, said levers being operated from a central handle 44, so that all can be turned at one time either to lock or unlock the door, as desired. The shelf-rack constructed and operated as just described is adapted to contain any and all things intended to be kept in an ice-box or refrigerator, and access can be readily had to all such articles by simply sliding the rack out from the refrigerator or ice-box, because the shelves are entirely open at the side.

Upon the opposite side of the ice-box or refrigerator and extending up alongside the ice is a meat-rack 45, comprising the front wall 46 and the rear wall 47, the connecting-strips 48 having meat-hooks attached thereto, while the shelves 49 near the bottom can be used for any purpose desired. This rack has its rear wall enlarged in the same manner as the rear wall of the shelf-rack in order to close the opening from the inside, and this rack also slides upon rollers and travels upon a track the same as the shelf-rack, and is provided with substantially the same form of locking device.

It will thus be seen that I provide an exceedingly cheap, simple, and efficient construction of refrigerator or ice-box, from which the articles can be quickly and easily removed. If desired, a window or glass panel 50 may be inserted in one side of the ice-box or refrigerator in order to inspect the contents from the exterior.

It will thus be seen that I provide an exceedingly compact and convenient construction of refrigerator or ice-box, from which the articles can be quickly and easily removed.

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

In an ice-chest, the combination, with an exterior comprising four walls, a top and a bottom, each of which is doubled and provided with a packing-strip around its edges and a filling, one of the walls being provided with three openings, two of which are arranged one above the other, and the other one is narrower than said two openings and substantially as high as the top one, the outer sides of the wall being higher than the inner sides and the top and bottom each having its inner side smaller than the outer side and fitting within the outer sides of the walls, of bolts through two of the walls and having their ends in engagement with the wall provided with the openings and the wall directly opposite, an ice-rack within the box adjacent to the upper opening, a swinging door in each opening and a sliding shelf-rack in each of the other openings, the ends of which are adapted to close said openings.

LOUIS J. FELDKIRCHER.

Witnesses:

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