J. W. Hazlett, Ice Chamber for Refrigerators.

100527 PATENTED MAR 8 1870

Fig: 2

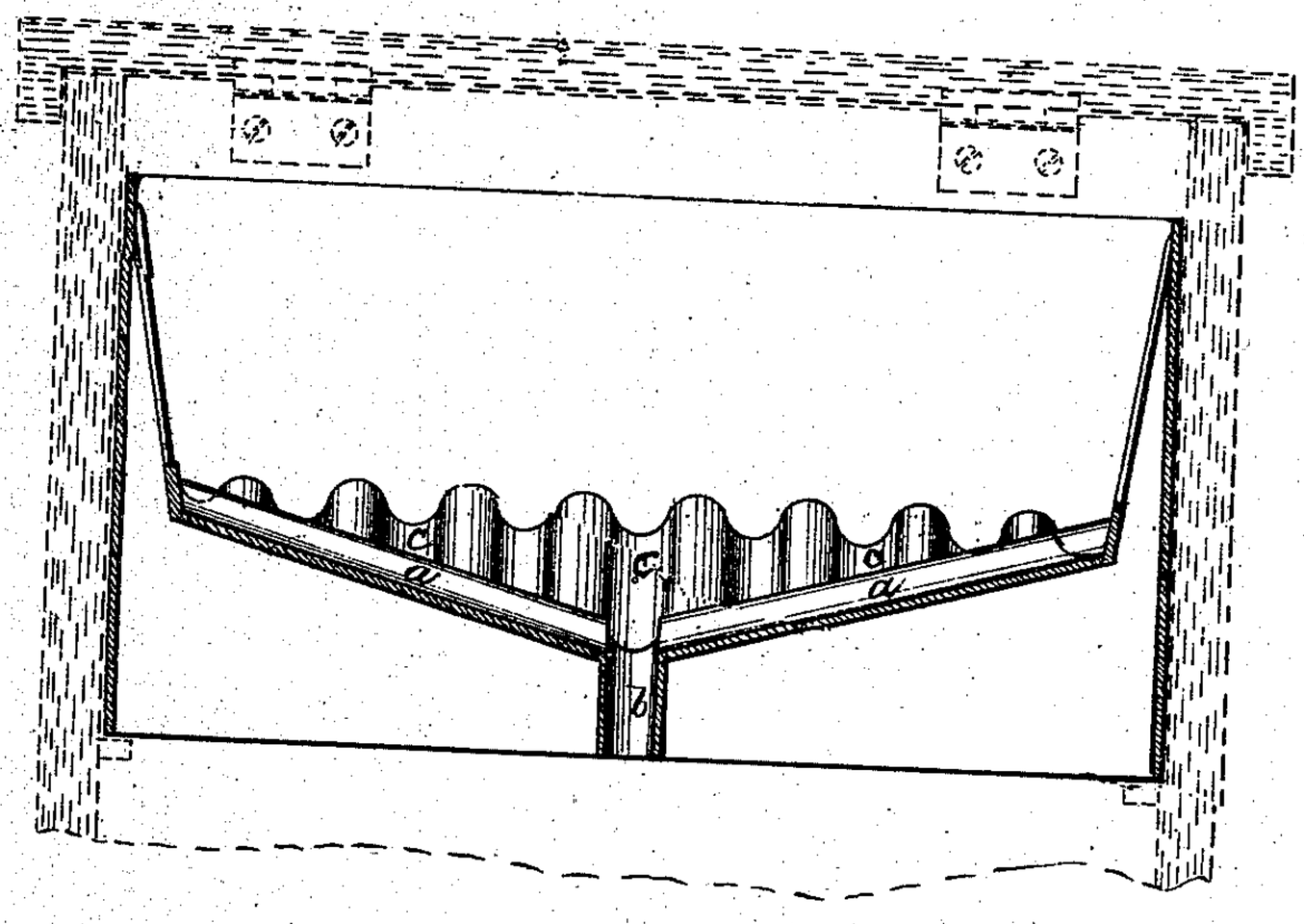


Fig: 1

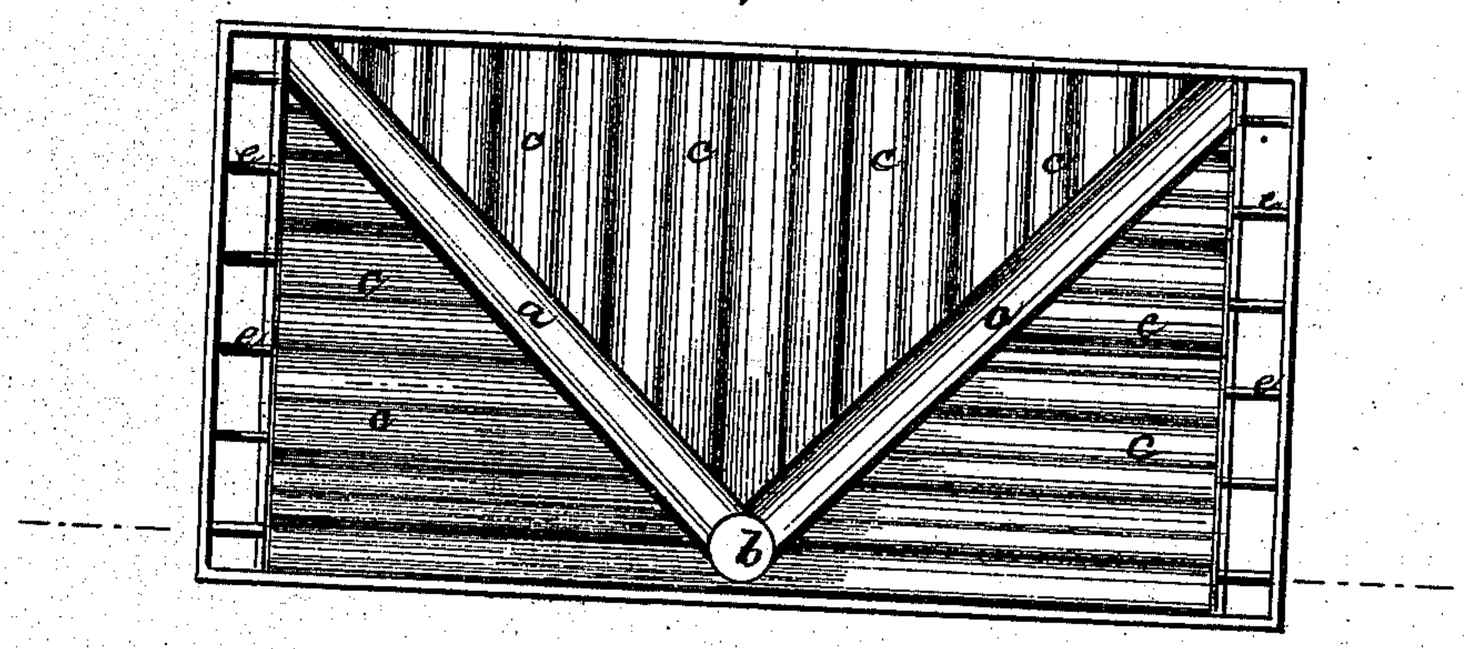
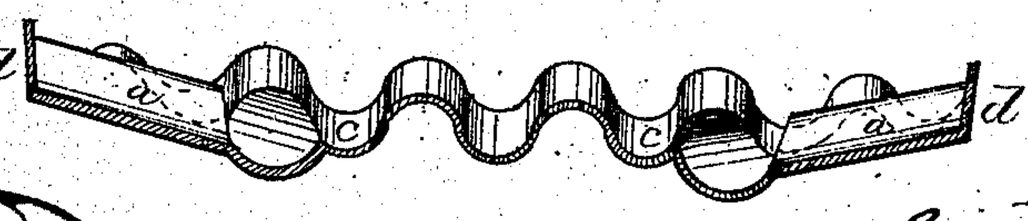


Fig: 3



Witnesses:
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JAMES W. HAZLETT, OF NEW YORK, N. Y.

Letters Patent No. 100,527, *dated March* 8, 1870.

IMPROVED ICE-CHAMBER FOR REFRIGERATORS

The Schedule referred to in these Letters Patent and making part of the same

To all whom it may concern:

Be it known that I, JAMES W. HAZLETT, of the city, county, and State of New York, have invented a new and improved Ice-Chamber for Refrigerators; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon making a part of this specification.

This invention relates to a new and useful improvement in the ice-chambers of refrigerators; and

It consists in providing said chamber with guards to prevent the escape of ice over the sides of the chamber, and also to prevent pieces of ice from projecting over the sides of the chamber, and in so casting or otherwise forming the under side of the chamber with grooves or corrugations as will lead or convey the condensed moisture or vapor into a waste-pipe, and thus prevent its dripping into the provision-chamber of the refrigerator, as hereinafter more fully described.

In the accompanying sheet of drawings—

Figure 1 is a plan or top view of my invention;

Figure 2, a transverse sectional view of the same; and

Figure 3, a transverse section of part of the same.

Similar letters of reference indicate corresponding parts in the several drawings.

The ice-chamber or box is constructed of cast-iron and is galvanized.

The bottom of the chamber is cast with two channels or gutters, *a a*, for the escape of the water from the melting ice, the water being thus led to and through the waste-water pipe *b*.

The under side or bottom of the ice-chamber or box is likewise provided with corrugations or channels, *c*, to carry off the condensed vapors as they arise, and thus prevent the moisture from dripping into the provision-chamber and on the provisions therein.

The sides of the bottoms of the ice-chamber or box are cast with vertical ledges, *d*, the top edges of which are in one and the same horizontal plane, the bottom being slightly inclined to admit of the escape of water.

The guards designated by *e* are of cast-iron, and are open or lattice-work. They are slightly inclined, as shown in fig. 2, and serve to guide the ice properly into the ice-chamber and prevent the ice from projecting over the edges of the same.

The guards *e* will not add in an appreciable degree to the cost of construction, and will prove a desirable acquisition to refrigerators.

Among the other advantages of my ice-chamber or box is that it will not absorb any peculiar taint or odor arising from the provisions in the refrigerator, as is the case with the wooden racks or trays now in use; besides the heavy iron of which my box or chamber is composed enables the ice to be broken when necessary with facility and without disarranging the refrigerator or any of its appointments.

It will be seen that the peculiarity in the construction of this ice-chamber is the division of the bottom by grooves or gutters, *a*, into separate surfaces, all inclining toward the gutters and draining thereinto, the gutters conducting the water from the melting ice to an outlet.

In this case I have shown the gutters *a a* so arranged as to divide the bottom into three separate surfaces, triangular in form, and all inclining to the gutter.

The central surface is larger than those at the ends, and its corrugations are at right angles to those of the said end surfaces.

The gutters form a letter **V**, and have a common outlet.

I do not claim, broadly, an ice-box having a corrugated bottom with a sunken channel and end-guards, being aware that such is not new; but

What I claim as my improvement is—

An ice-box or chamber for refrigerators, cast with corrugations *c c* and divided into separate surfaces by the channels *a a*, as shown, and provided with the guards *e e*, when constructed as herein described for the purpose specified.

JAS. W. HAZLETT.

Witnesses:

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