H. VOIGT & H. EILMANN.

FLOOR FOR REFRIGERATOR BUILDINGS.

No. 169,866. Patented Nov. 9, 1875.

Fig: 1.

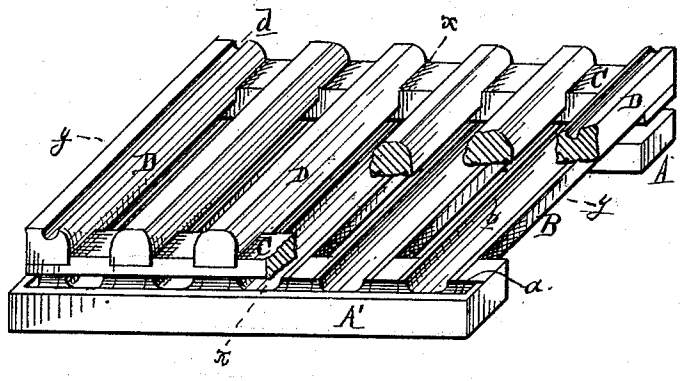


Fig: 2.

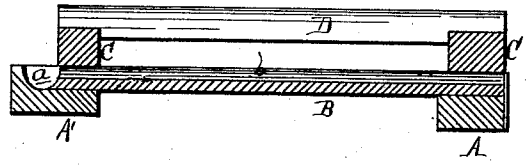
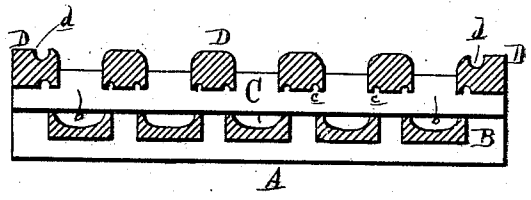


Fig: 3.



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UNITED STATES PATENT OFFICE.

HERMANN VOIGT AND HENRY EILMANN, OF MILWAUKEE, WISCONSIN.

IMPROVEMENT IN FLOORS FOR REFRIGERATOR-BUILDINGS.

Specification forming part of Letters Patent No. **169,866**, dated November 9, 1875; application filed July 22, 1875.

To all whom it may concern:

Be it known that we, HERMANN VOIGT and HENRY EILMANN, of Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented an Improved Floor for Ice-Houses and Ice-Boxes, of which the following is a specification:

Our invention has for its object to provide a floor which will sustain a quantity of ice above the ground in an ice-house, or above the floor of an ice-box, and which will collect and drain off at one or more points all the water resultant from the melting of the ice.

The invention consists in the peculiar construction and arrangement of the several parts, as more fully hereinafter set forth and claimed.

Figure 1 is a perspective view. Fig. 2 is a longitudinal section at *x x*. Fig. 3 is a cross-section at *y y*.

In the drawing, A A′ represent the back and front sills, respectively, the latter of which has a gutter, *a*, into which all the water is collected preparatory to draining it off. B are channel-beams, whose ends are mortised into the sills A A′, with a fall toward the latter, so as to drain into its gutter. These channel-beams are wide, and each has a channel, *b*, to carry the water. C C are two floor-plates, resting across the ends of the channel-beams, and into their upper surfaces are mortised the ends of the floor-joists D, which support the ice. These are arranged to break joints with the channel-beams, covering the spaces between them, so that the drip from their sides will fall into the channels *b*. The under side of each is grooved at each edge, as at *c*, to prevent the drip from running inward. Those at the ends have also a gutter, *d*, at the top, which conveys any water falling therein directly to the gutter *a*. Such a flow allows a free circulation of air under the body of ice, and also keeps the floor or ground under it perfectly dry.

What we claim as our invention is—

The floor for ice-houses and ice-boxes, described, consisting of the sills A A′, the latter having the gutter *a*, the guttered beams B connecting the said sills, the floor-plates C, and the floor-joists D, having the grooves *c* and *d*, the several parts being constructed, arranged, and combined substantially as described and shown.

HERMANN VOIGT.
HENRY EILMANN.

Witnesses:
GUSTAV DREIZCHNER,
C. P. KROMPAS.