

No. 754,144.

PATENTED MAR. 8, 1904.

J. KANALZ.

ICE TABLE.

APPLICATION FILED NOV. 25, 1903.

NO MODEL.

FIG. 1.

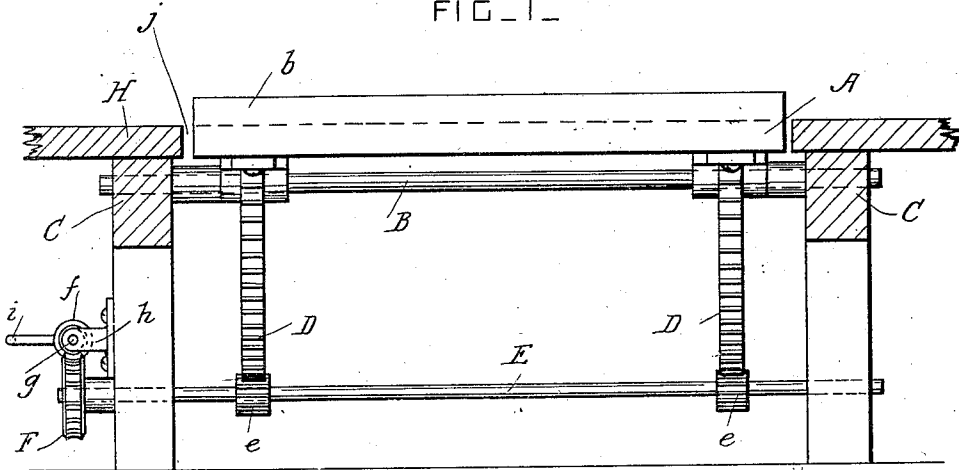
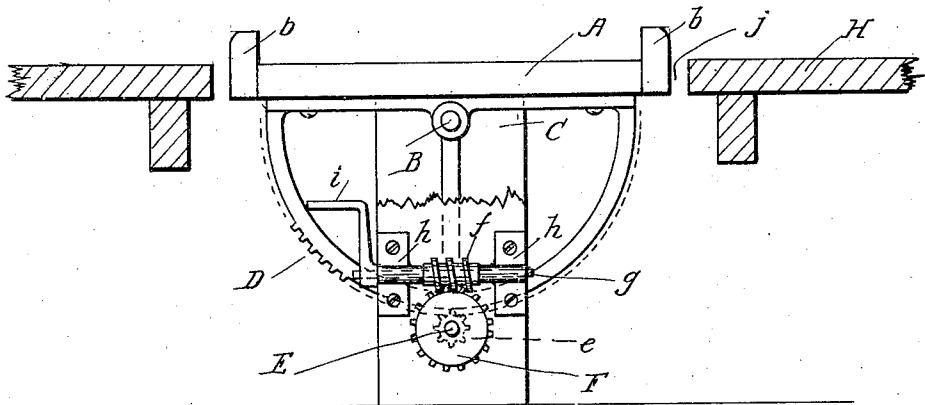


FIG. 2.



WITNESSES:

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JULIUS KANALZ, OF PARKERSBURG, WEST VIRGINIA.

ICE-TABLE.

SPECIFICATION forming part of Letters Patent No. 754,144, dated March 8, 1904.

Application filed November 25, 1903. Serial No. 182,572. (No model.)

To all whom it may concern:

Be it known that I, JULIUS KANALZ, a citizen of the United States, residing at Parkersburg, in the county of Wood and State of West Virginia, have invented certain new and useful Improvements in Ice-Tables; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to tables for supporting cakes of ice such as manufactured in ice-machines while being sawed into blocks by suitable cutting mechanism or otherwise being operated on; and it consists in the novel construction and combination of the parts hereinafter fully described and claimed.

In the drawings, Figure 1 is a side view of the table. Fig. 2 is an end view of the table.

20 A is the table or platform, which is pivoted at about the middle of its width.

B is a shaft which is secured to the middle part of the under side of the table. This shaft is journaled in bearings C or other suitable supports. The table A is provided with ledges 25 b at its side edges, which prevent the cakes of ice from sliding off it when the table is placed in an inclined position.

D represents two toothed segments secured 30 to the under side of the table at its ends.

E is an operating-shaft journaled in suitable bearings under the table, and e represents toothed pinions secured on the shaft E and gearing into the said toothed segments.

35 F is a worm-wheel secured on the shaft E, and f is a worm secured on a driving-shaft g and gearing into the said worm-wheel. The shaft g is journaled in bearings h, and i is a crank-handle secured on the driving-shaft and 40 affording a means for revolving it. The driving-shaft can, however, be revolved by any equivalent means, either by hand or by power.

H is the floor of the ice factory, and j is an opening in the floor in which the ice-table 45 works. The top of the ice-table is normally supported substantially level with the floor,

and the driving mechanism is arranged below the floor, where it is out of the way. The worm-wheel and worm support the table at any desired inclination, so that no brake or 50 locking device has to be used.

The ice when formed in the freezing-tanks of an ice-machine by what is known as the "plate" system is in the form of rectangular sheets, which are formed against vertical 55 freezing-plates. These sheets or cakes are removed from the freezing-tanks by suitable hoisting mechanism, and when lifted out they hang substantially vertical. The ice-table is tilted to a steeply-inclined position, and the 60 hoisting mechanism is moved so as to place the cake of ice upon and against the table, so that the ice rests upon one of the ledges or side plates. The cake of ice is then released from the hoisting mechanism, and the table 65 is moved to a horizontal position, so that the ice may be sawed up into blocks by any suitable sawing mechanism or may be otherwise operated on. The blocks of ice may be removed from the table by ice-tongs while the 70 table is horizontal or may be disposed of in any other approved manner.

What I claim is—

1. The combination, with a floor or platform having an opening, of a pivoted ice-table 75 working in said opening and having its upper surface normally horizontal, means for supporting the ice on the table when the table is placed in an inclined position, toothed segments secured to the under side of the table, 80 a revoluble operating-shaft, and toothed pinions secured on the said operating-shaft and gearing into the said segments.

2. The combination, with an ice-table pivoted at its middle part, and supports for the 85 said ice-table; of toothed segments secured to the under side of the table, a revoluble operating-shaft, toothed pinions secured on the said operating-shaft and gearing into the said segments, and means for supporting the ice 90 on the table when the table is placed in an inclined position.

3. The combination, with a pivoted ice-table, and means for supporting the ice on the table when in an inclined position; of toothed segments, secured to the under side of the
5 table, an operating-shaft, toothed pinions secured on the said shaft and gearing into the said segments, a worm-wheel secured on the said shaft, and a worm gearing into the said

worm-wheel and provided with means for revolving it. 10

In testimony whereof I affix my signature in presence of two witnesses.

JULIUS KANALZ.

Witnesses:

T. M. VAUGHAN,
IRA F. CONGROVE.