No. 742,585. PATENTED OCT. 27, 1903.

T. H. BUTLER.

ICE TABLE.

APPLICATION FILED MAY 16, 1903.

NO MODEL.

FIG. 1.

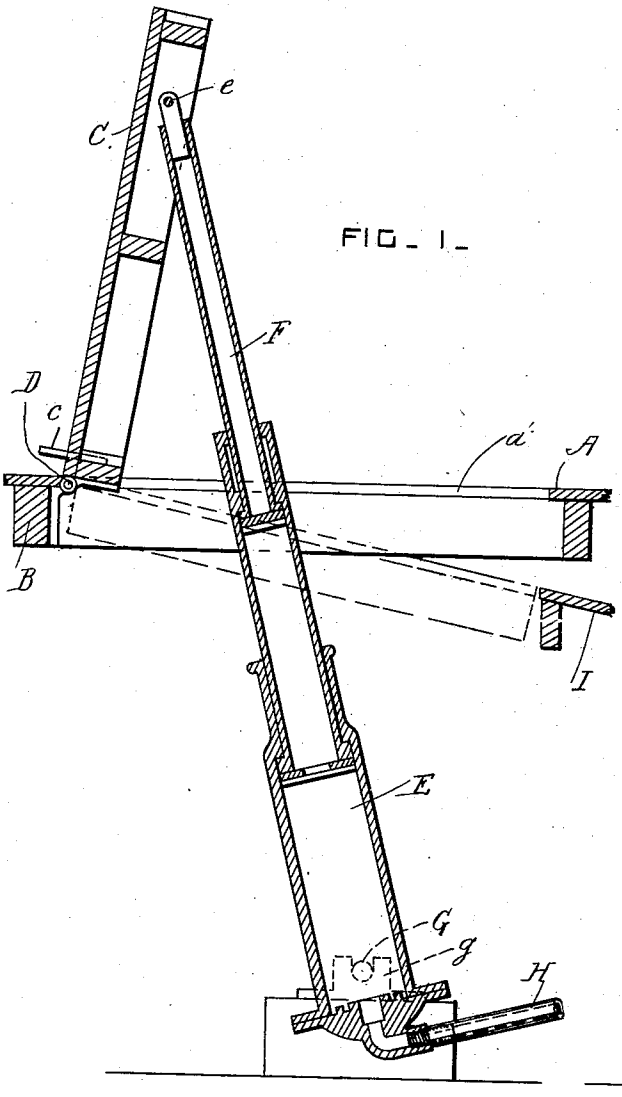
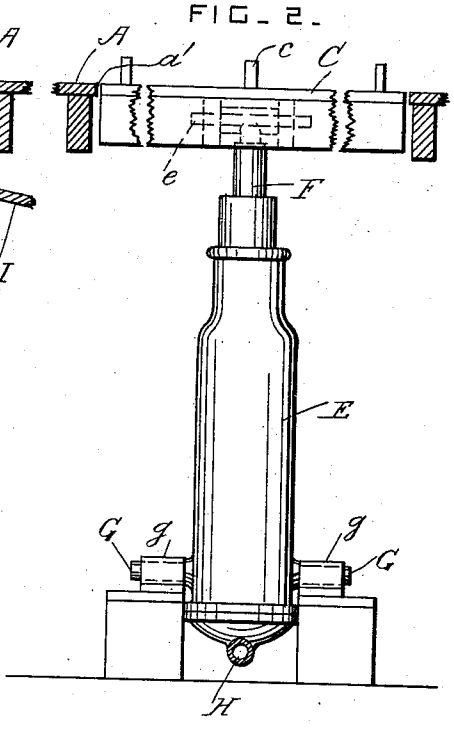


FIG. 2.



WITNESSES

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No. 742,585. Patented October 27, 1903.

UNITED STATES PATENT OFFICE.

THOMAS H. BUTLER, OF BALTIMORE, MARYLAND.

ICE-TABLE.

SPECIFICATION forming part of Letters Patent No. 742,585, dated October 27, 1903.

Application filed May 16, 1903. Serial No. 157,358. (No model.)

To all whom it may concern:

Be it known that I, THOMAS H. BUTLER, a citizen of the United States, residing at Baltimore city, in the State of Maryland, 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 mechanism for supporting cakes of ice, such as manufactured in ice-machines, which have to be sawed into blocks for shipment by means of suitable cutting mechanism; and it consists in the novel construction and combination of the parts hereinafter fully described and claimed.

In the drawings, Figure 1 is a vertical section through the ice-table and the hydraulic cylinder for operating it, showing a side view and with the table raised. Fig. 2 is a rear view of the same, but shows the table horizontal.

A is a floor or platform provided with an opening *a'*. B is a strong floor joist or beam at one side of the said opening.

C is the ice-table, and D represents hinges which connect one edge of the table with the joist B.

The table is normally supported level with the floor; but it may be turned on its hinges to raise or lower it, as required.

The table is of any approved construction, and it is provided with projecting end plates *c* near its hinges. These end plates are removable, being dropped into suitable holes or sockets in the table.

E is a hydraulic cylinder provided with a telescopic ram or piston F, having its upper end pivoted to the under side of the table by a pin *e*.

G represents trunnions on the lower part of the cylinder E, which are journaled in bearings *g*, supported by a suitable foundation under the table.

H is a flexible pipe through which water is admitted and let out. The water is supplied to the cylinder under pressure and is controlled by a valve of any approved construction.

By forming the ram in telescopic sections the pit wherein it works can be made much shallower than when an ordinary ram is used.

I is the ice-chute below the level of the floor A.

The table is raised, as shown in Fig. 1, and a cake of ice is then placed on the end plates by means of a crane, one side of the cake resting against the table. The table is then lowered to the position shown in Fig. 2 by letting a portion of the water out of the cylinder. The end plates are then removed, and the ice is sawed into convenient blocks for shipment. The table is lowered to the position shown in dotted lines in Fig. 1, and the blocks of ice slide off its surface and pass down the ice-chute I into the packing or shipping chamber.

What I claim is—

1. The combination, with a floor or platform having an opening, of a pivoted ice-table working in said opening and having its upper surface normally horizontal, means for supporting the ice on the said table when the table is placed in an inclined position, a hydraulic cylinder pivotally supported under the table, and a ram or piston sliding in said cylinder and operatively engaging with the said table.

2. The combination, with a floor or platform having an opening, of a pivoted ice-table working in said opening and having its upper surface normally horizontal, means for supporting the ice on the said table when the table is placed in an inclined position, a hydraulic cylinder pivotally supported under the said table, and a telescopic ram or piston sliding in the said cylinder and having its upper section operatively engaging with the said table.

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

THOMAS H. BUTLER.

Witnesses:
J. MILTON LYELL,
T. BAYARD WILLIAMS.