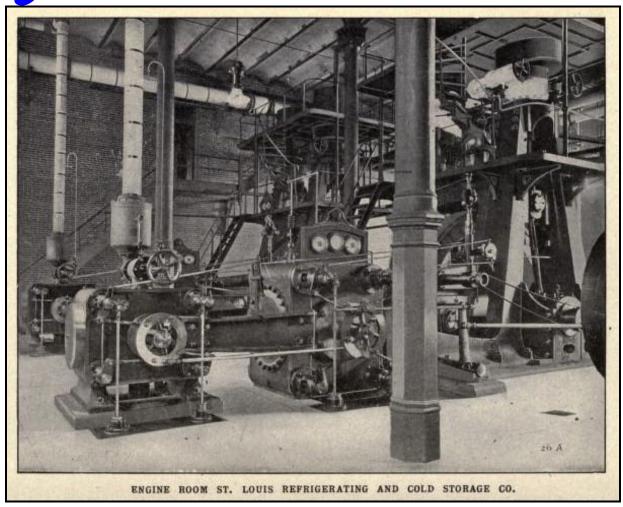
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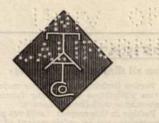
A PRACTICAL TREATISE

with ILLUSTRATIONS

BY

GIDEON HARRIS

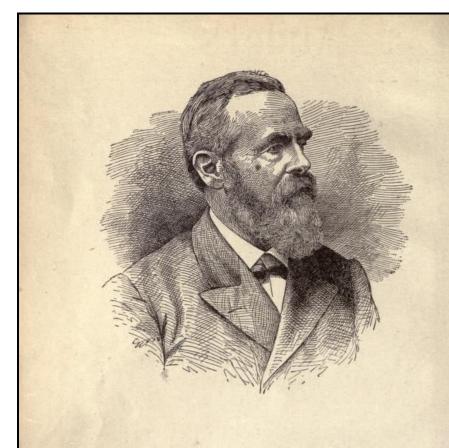
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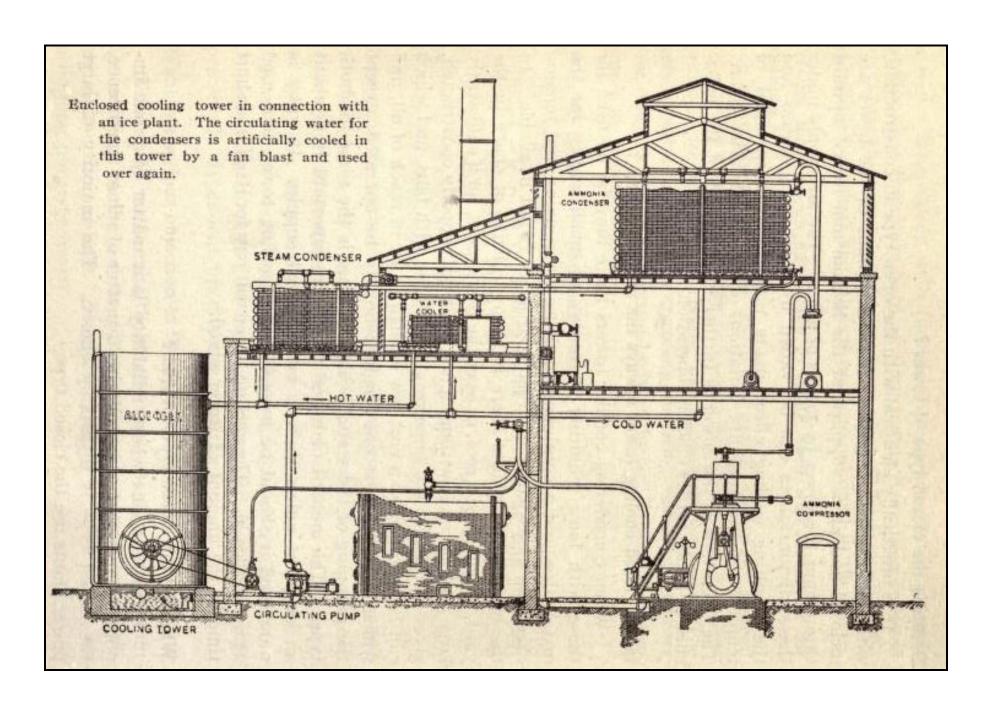
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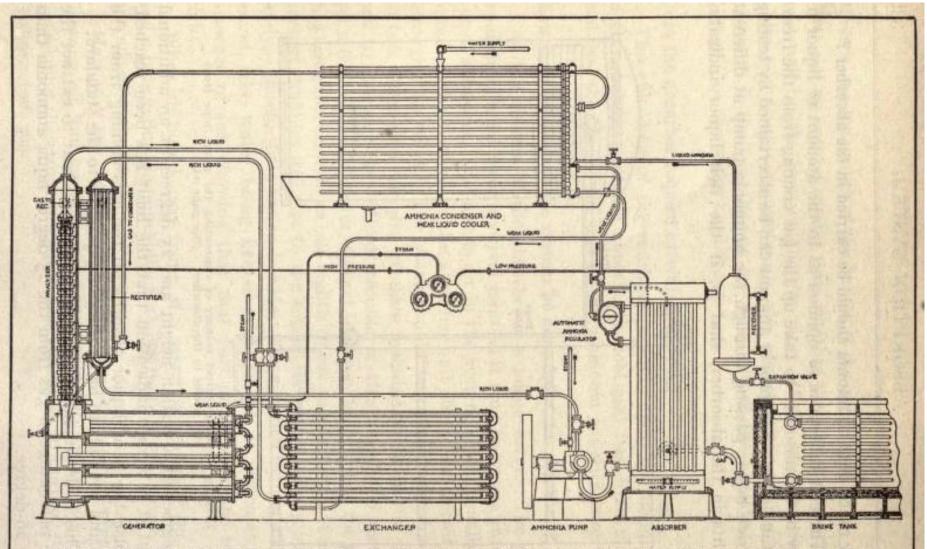


Will hard compliments

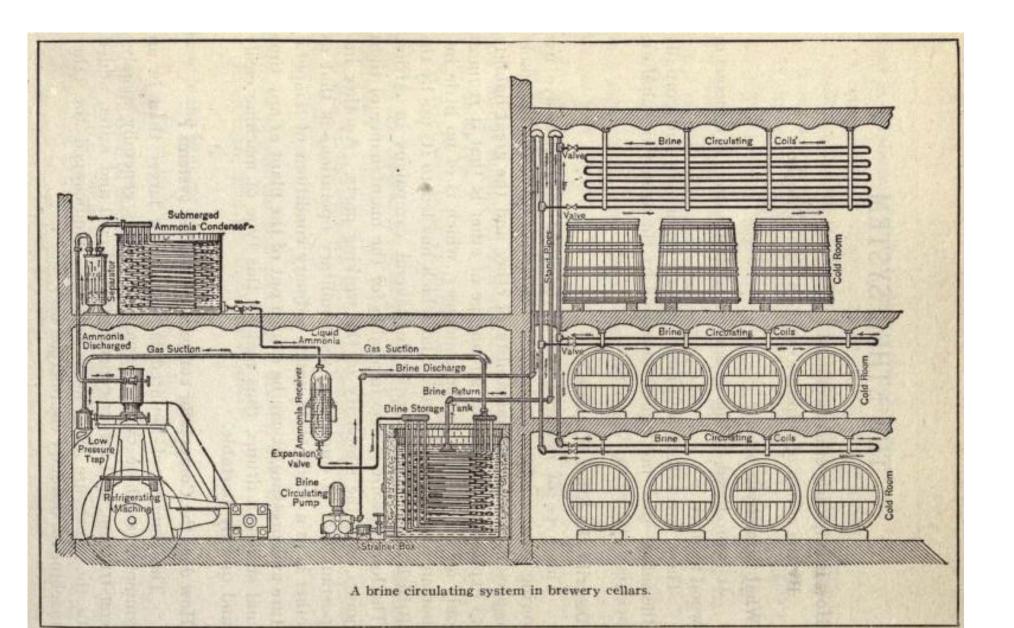
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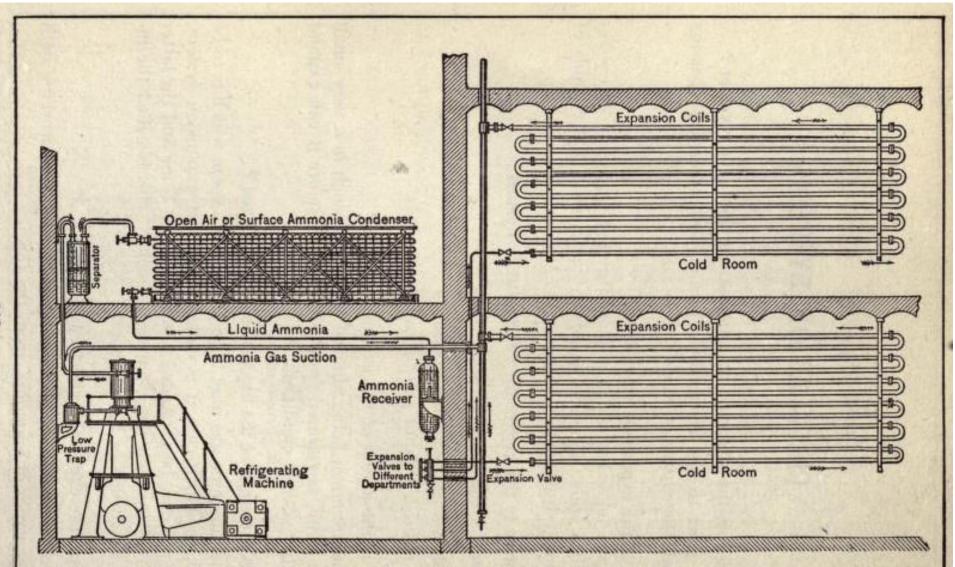
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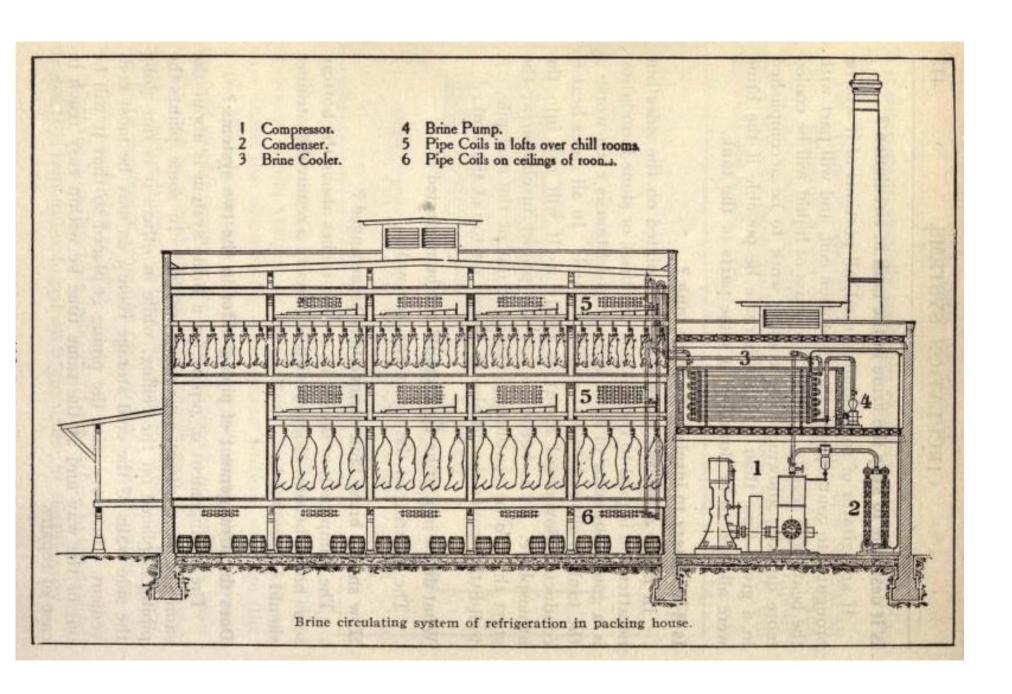


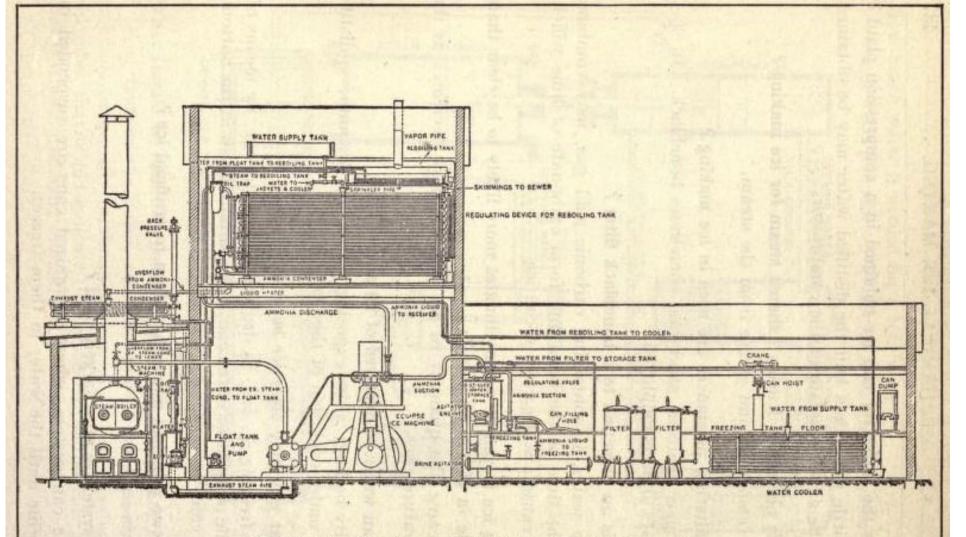
Sectional elevation of large absorption plant. In this system the rich liquor is circulated through the rectifier before passing through the exchanger, and thus some of the heat which would otherwise be carried off in the condensing water is saved.



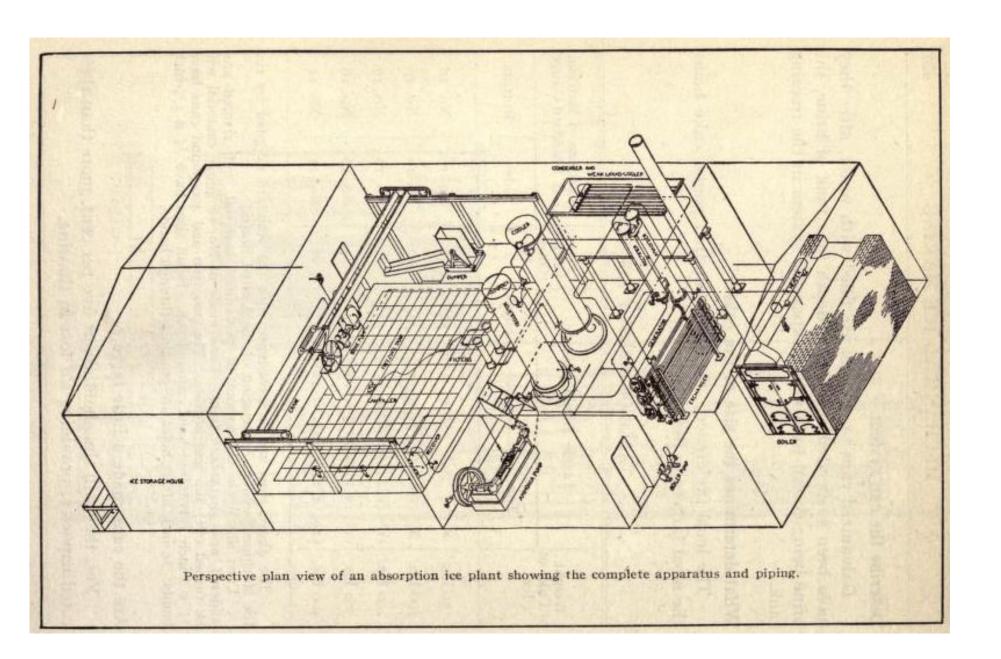


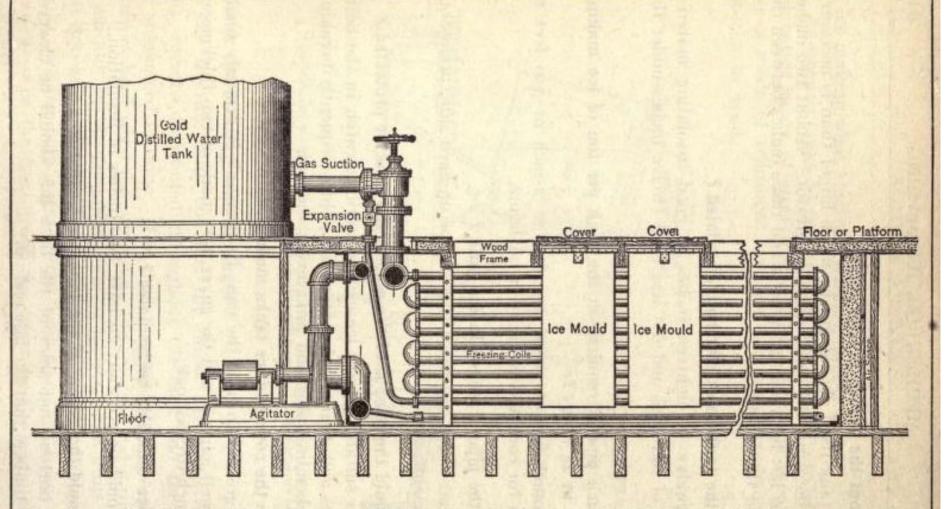
Eclipse direct expansion system. The pipes here are shown on the sides to better illustrate the system. In practice they may be placed either on the sides or ceiling as the circumstances may render necessary.



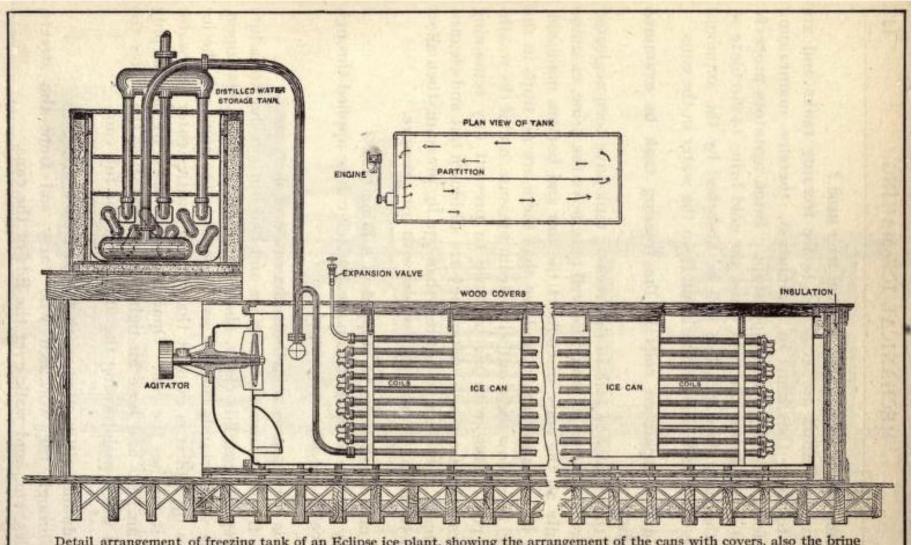


Sectional elevation of a complete "Eclipse" ice plant for can ice.

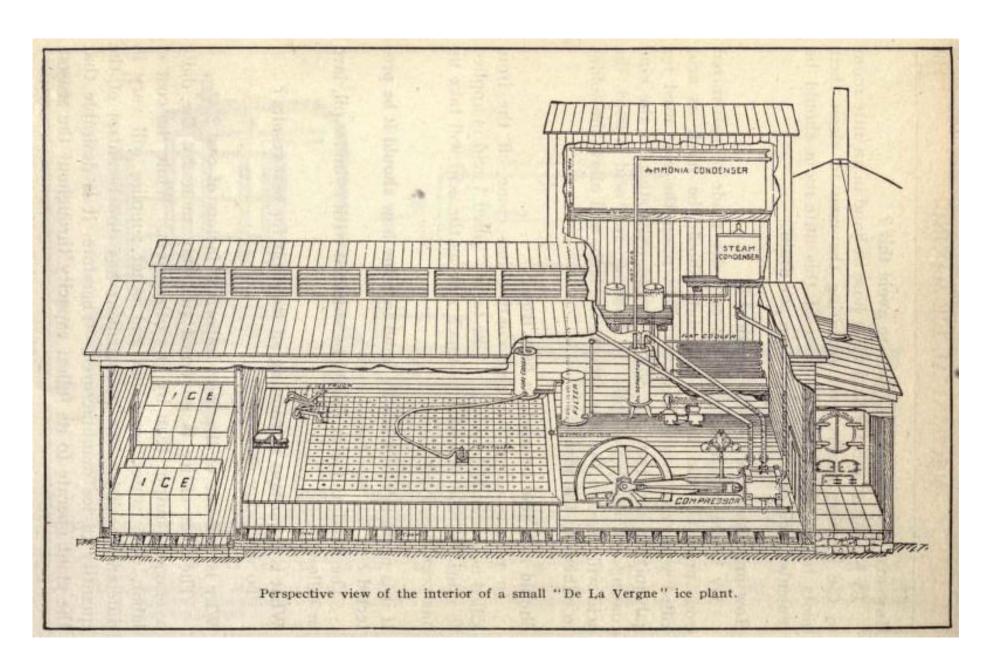


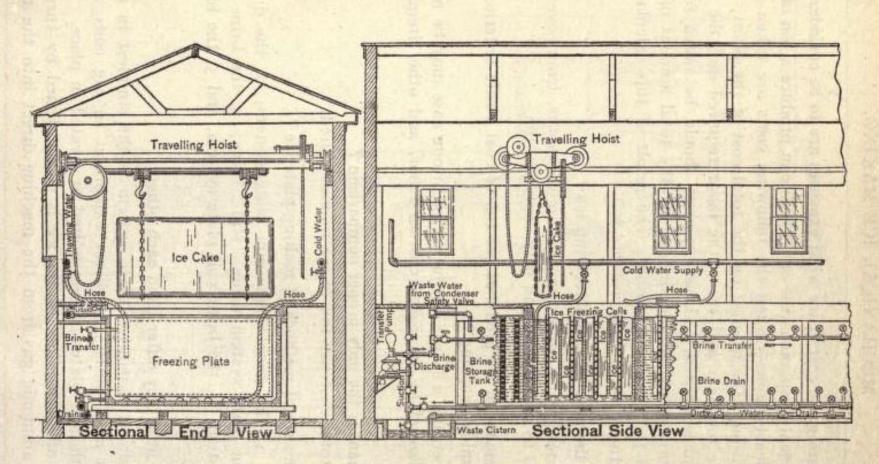


Cross section of freezing tank, showing a centrifugal agitator. The gas suction is carried through the water storage tank thus forecooling the water.

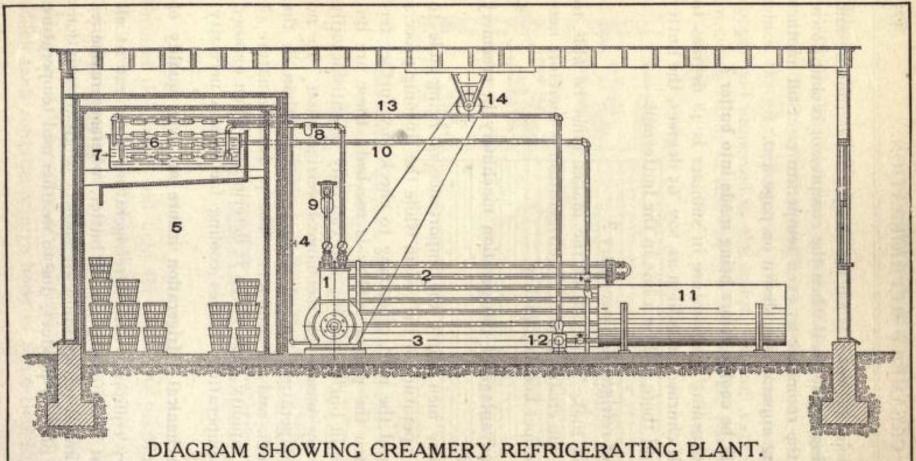


Detail arrangement of freezing tank of an Eclipse ice plant, showing the arrangement of the cans with covers, also the brine agitator. The agitator is in the shape of a propeller which keeps up a continuous circulation of brine between bottom and top of tank.





Sectional elevations of freezing cells of an Eclipse plate ice plant. The ice plates are hoisted by means of the traveling hoist after being thawed off the freezing plates by passing hot brine through the coils. The freezing plates with their coils are shown in heavy black lines with the ice forming on both sides af them.



- Ammonia Compressor Ammonia Condenser,

- 3 Liquid Receiver. 4 Expansion Valve. 5 Cold Storage.

- 6 Direct Expansion Coil. 7 Brine Tank.

- 8 Suction Scale Trap.
 9 Oil Trap.
 10 Brine Line to Cream Vat.
- 11 Cream Vat.
- Brine Pump. Brine Return Line,
- 14 Line Shaft.

