

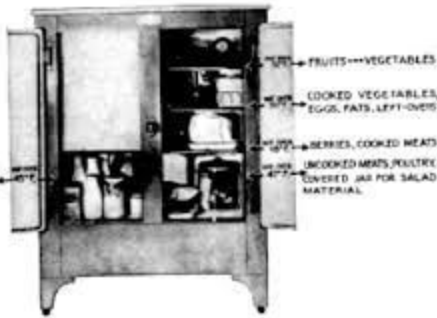
The Invention of the Refrigerator

How it began:

- Chinese-cut and stored ice 5,000 years ago
- Egyptians & Indians-left earthen pots out in the cold
- Greeks & Romans-stored snow in pits and covered it with insulated materials
- Europeans-added calcium nitrate to

water to make ice; wrapped it in flannel and stored it underground

People needed a way to keep perishable food from spoiling.



1700's Homemade wooden boxes were lined with zinc or cork and filled with snow

Food was stored in cellars underground to keep cool

1720- Mechanical refrigeration

William Cullen (Scottish Doctor)

experimented with using evaporation of ether as a coolant

1805-Oliver Evans (American inventor) drew a design for the cooling machine

1820-Michael Faraday used liquid ammonia for cooling



JACOB PERKINS.

1835-**Jacob Perkins** got a patent for liquid cooling technique “father of the refrigerator”. He did not build the first refrigerator.

1899 **Albert T Marshall** patented the first refrigeration machine in Massachusetts.

1900-Meatpacking businesses used for cooling meat



In **1920**, almost all homes had a refrigerator.

First Model--General Electric 1911 Audiffren (wooden box style)\$1000 (twice as much as an automobile)

1930 Albert Einstein invented not toxic refrigeration liquid- safer

If the cooling process had not been improved, all there would be no fresh meat. All meat would be dried and salted like jerky.



Fun Facts:

Louise Greenfarb has 32,000 refrigerator magnets (Nevada)

2004-Pocket size refrigerator for diabetics

2007-Mini fridge with remote control and catapult for
tossing canned beverages

15% of the population has at least 2 refrigerators

November 15 -CLEAN OUT YOUR REFRIGERATOR
DAY

Food can now be stored longer and travel longer
distances.

Mrs. VanZee