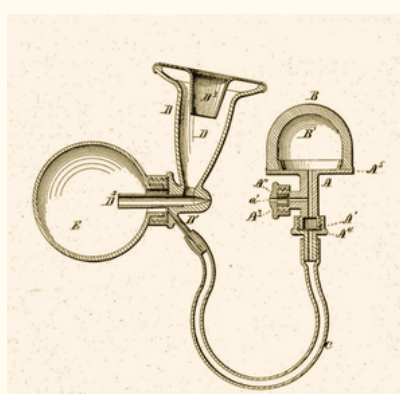
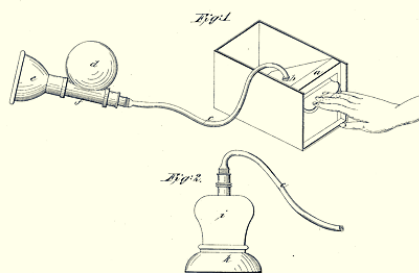


Breast Pump Technology

1854 *First Breast Pump*

The first breast pump was patented in 1854 by Orwell H. Needham. The idea was to replicate a nursing infant.



1874 *Milk Bottle Collection*

Robbery C. Gray and Charles E. Gassin added a milk bottle collection to the original design of the breast pump. You could now remove the bottle of milk from the device and easily clean it.

1898 *Vacuum Pump*

In order to increase the comfortability of breast-feeding, a spring was incorporated into the design to mimic a "suck and release."

1905 *Piston Technology*

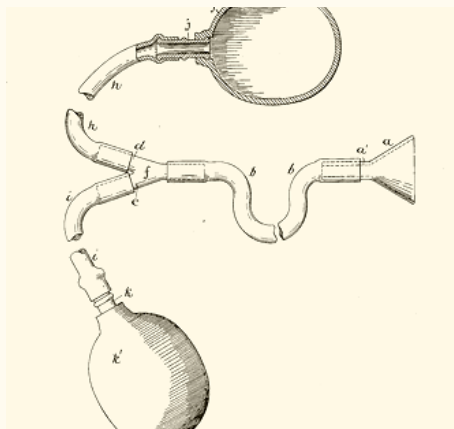
In 1905 piston breast technology, which included an air chamber and finger holds, was introduced

1908 *Hands-free*

Now breast feeding could be done only using one hand with the introduction of two bulbs to a single pump

1980 *Portable Hospital Grade*

The Engell pump allowed a breast pump to be transported on wheels in hospitals



1993 *First Microprocessor*

Allowed breastfeeding to fit the individual needs of each mother with pumping programs

1998 *Outside of Hospital*

Breast pumps were now available to rent outside of the hospital, but it was not common

1999 *Hospital Grade Breast Pumps for Home*

Finally, in 1999, breast pumps became available for at-home usage.

