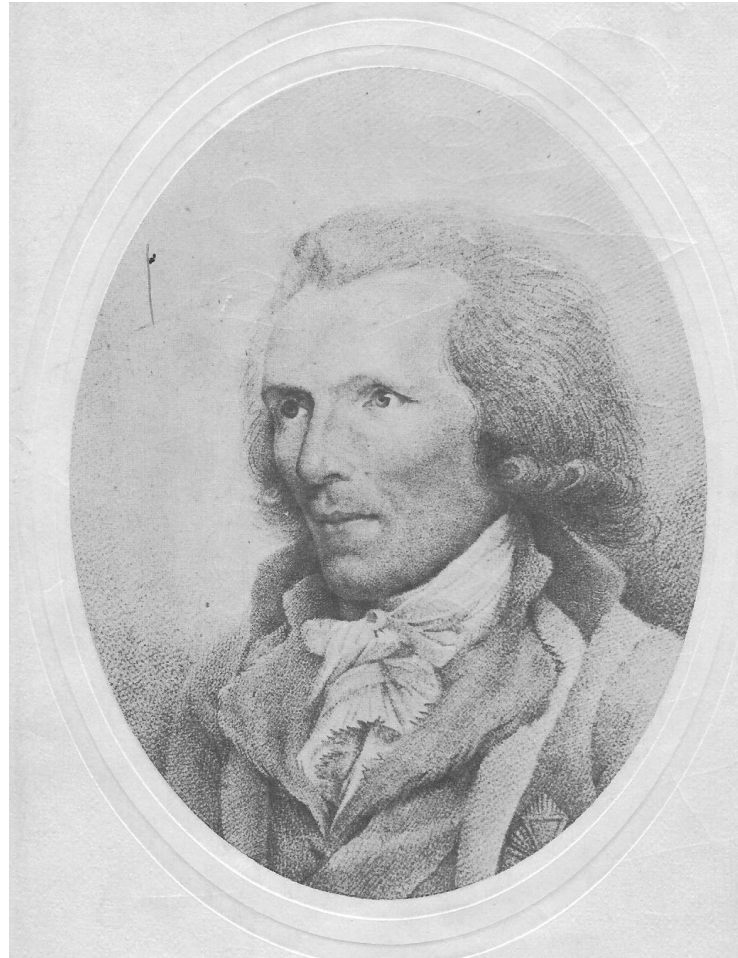


Benjamin Thompson,
Count of the Holy Roman Empire,
from Woburn, Massachusetts

1753
-
1814



The Woburn Public Library



First Law of Thermodynamics

$$\Delta E = \delta q + \delta w$$

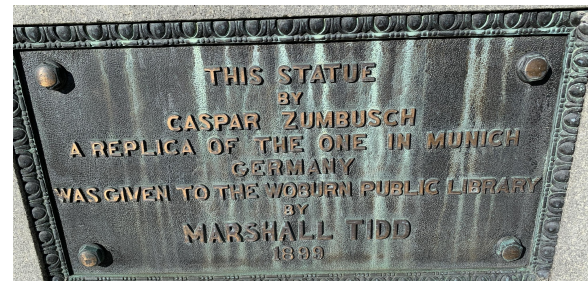
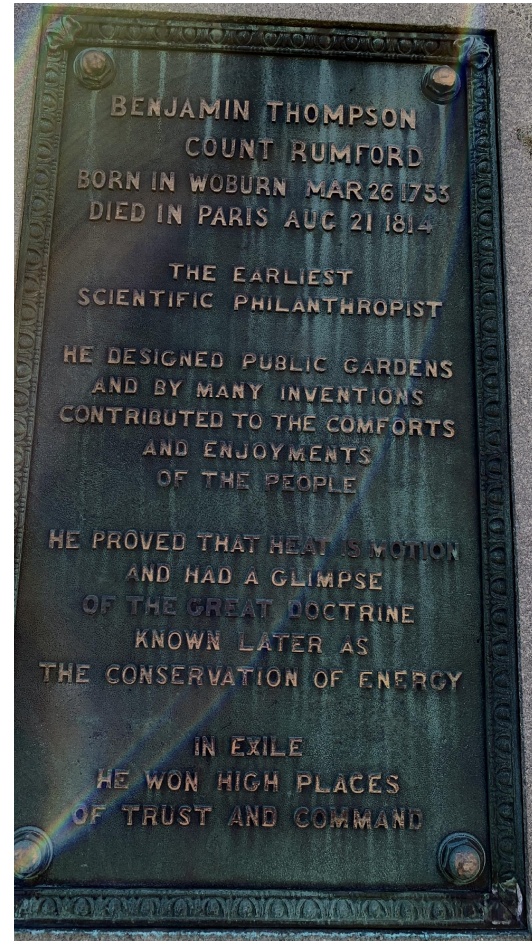
First Law of Thermodynamics

$$\Delta E = \delta q + \delta w$$

What he measured

$$C_P \Delta T = \delta w$$

HE PROVED THAT HEAT IS
MOTION AND HAD A GLIMPSE
OF THE GREAT DOCTRINE
KNOWN LATER AS THE
CONSERVATION OF ENERGY
1899



Statue

Maximilianstrasse, Munich



**BENJAMIN THOMPSON
GRAF
VON RUMFORD
GEBORNEN IN WOBURN
IN MASSACHUSSETS**

1630



1930

WOBURN

SETTLED BY MEN FROM
CHARLESTOWN UNDER CAPTAIN
EDWARD JOHNSON. NAMED IN 1642
AFTER WOBURN, BEDFORDSHIRE. HERE
WERE BORN AND GREW UP TOGETHER
COLONEL LOAMMI BALDWIN, THE
ENGINEER, AND BENJAMIN THOMPSON,
(COUNT RUMFORD) PHILANTHROPIST
AND SCIENTIST.

MASSACHUSETTS BAY COLONY
TERCENTENARY COMMISSION

THE WPA GUIDE TO M

ASSACHUSETTS



W O B U R N . *Home of a Yankee Count*

WITH A NEW
INTRODUC-
TION BY JANE
HOLTZ KAY

THE FEDERAL WRITERS' PROJECT GUIDE TO 1930s MASSACHUSETTS

Thompson's Birthplace



Loammi Baldwin



Baldwin House



Sir John Wentworth
Governor of New Hampshire
1767-1775



George Grenville, Viscount Sackville
Secretary of State for Colonies
1775-1782



Benjamin Thompson, London , 1783



Prinz Maximilian Duke of Zweibrücken



**Charles Theodore
Elector of Bavaria
1777-1799**



Rumford Soup

- 1 part pearl barley
- 1 part dried (yellow) peas
- 4 parts potato
- salt according to need
- Old, sour beer

Slowly boil until thick. Eat with bread.

Munich's English Garden



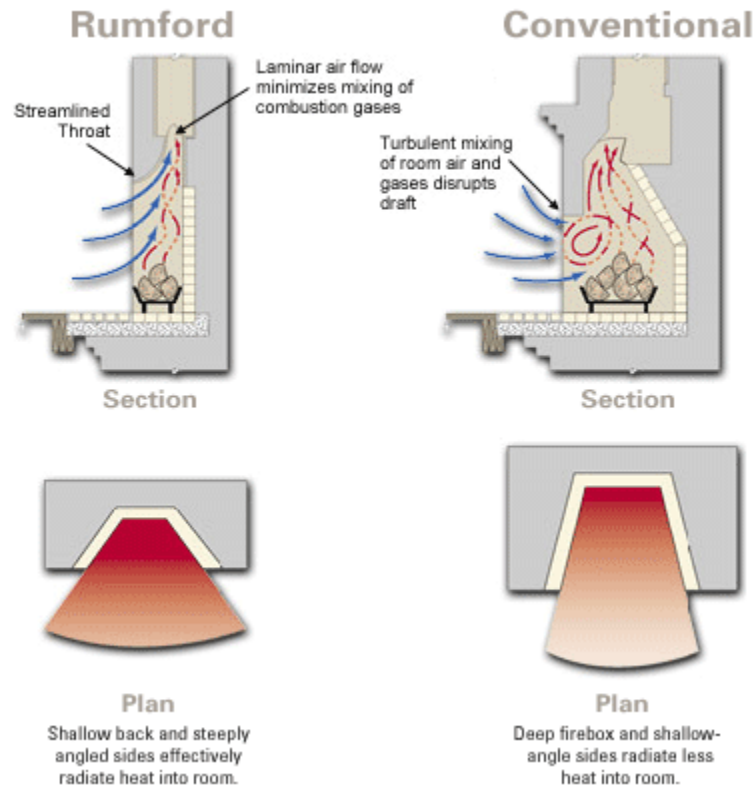
Sarah Thompson



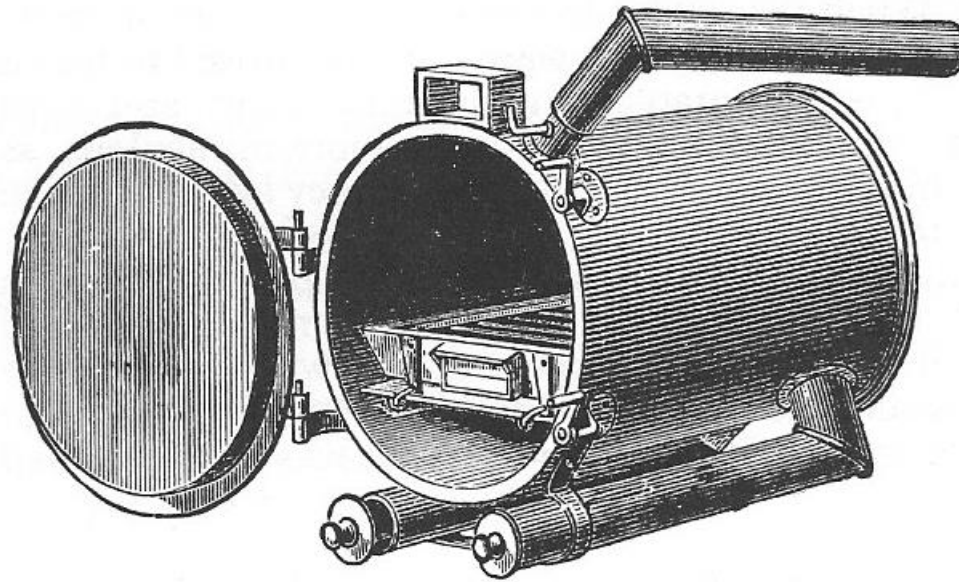
One of His Inventions



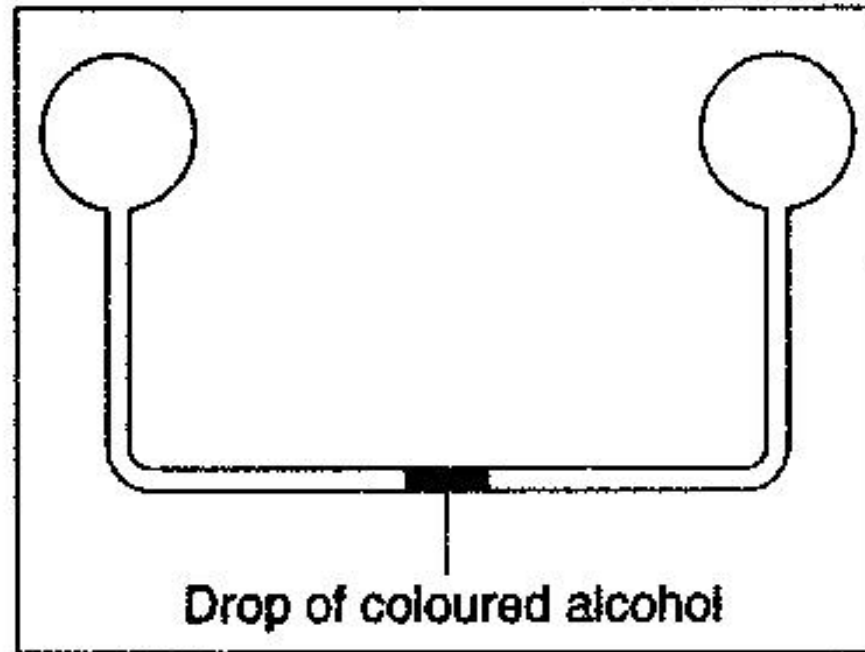
Another Invention the Rumford Fireplace



The Rumford Roaster



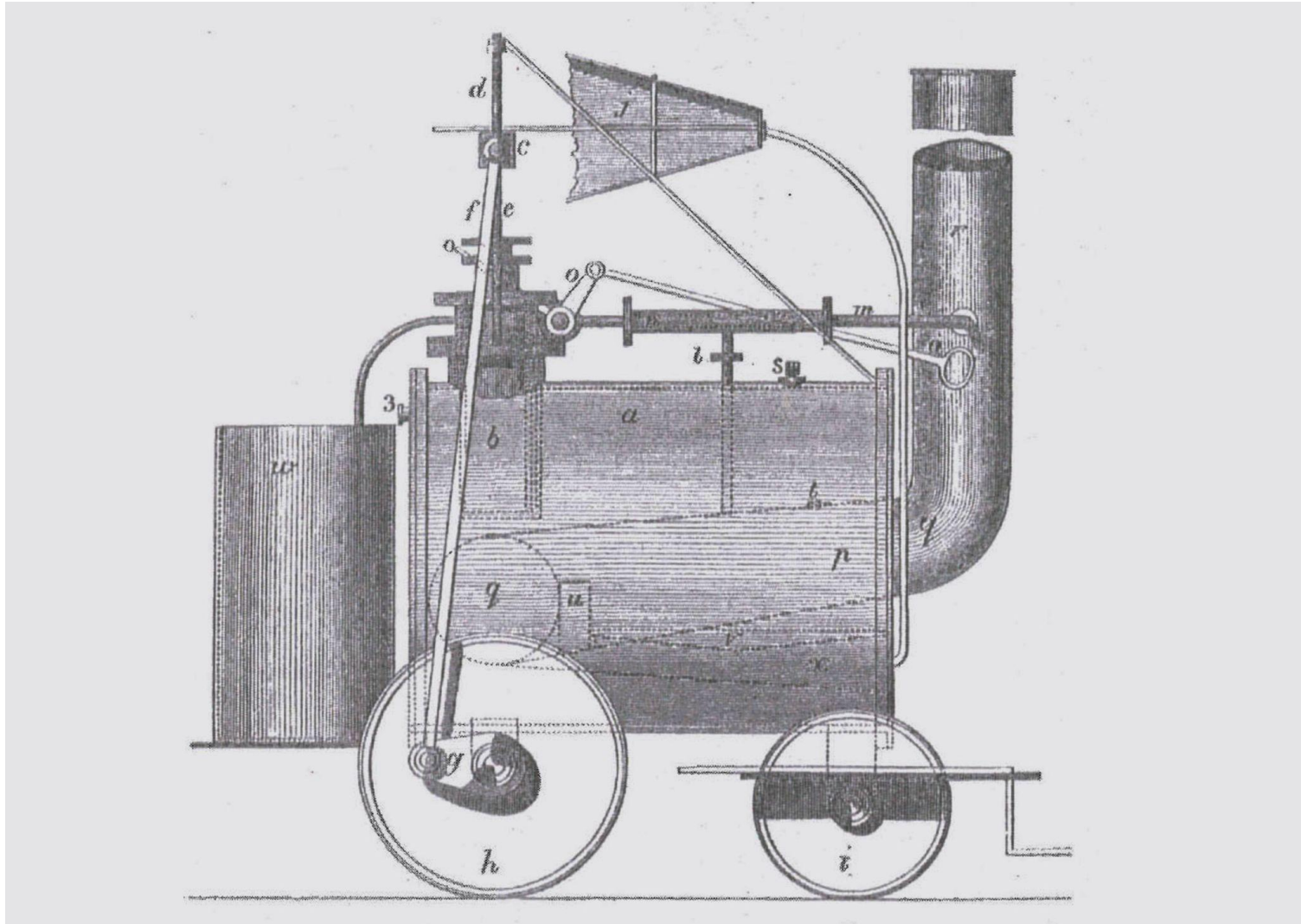
A device to measure small temperature differences



Drop of coloured alcohol

Rumford's thermoscope.

Richard Trevithick's Puffin Devil 1802



The Royal Institution



A public institution for the diffusion of knowledge and facilitating the general introduction of useful mechanical inventions and improvements, and for teaching courses of philosophical lectures and experiments, the application of science to common purposes of life

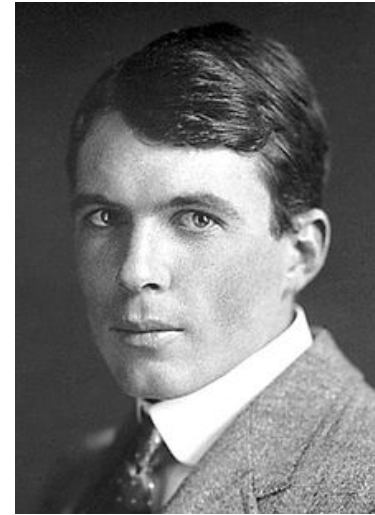
Some of the Royal Institution's Great Scientists



Humphry Davy

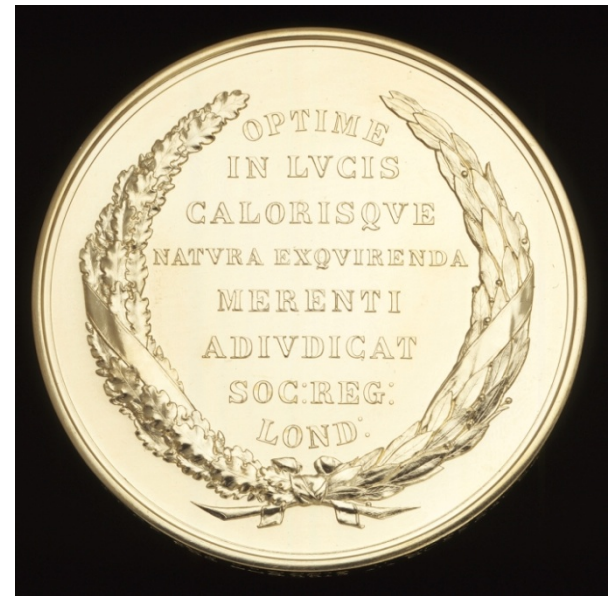


Michael Faraday



William Bragg

Rumford Medal



an outstandingly important recent discovery in the field of thermal or optical properties of matter made by a scientist working in Europe

Rumford Prize



Rumford Denkmal Munich

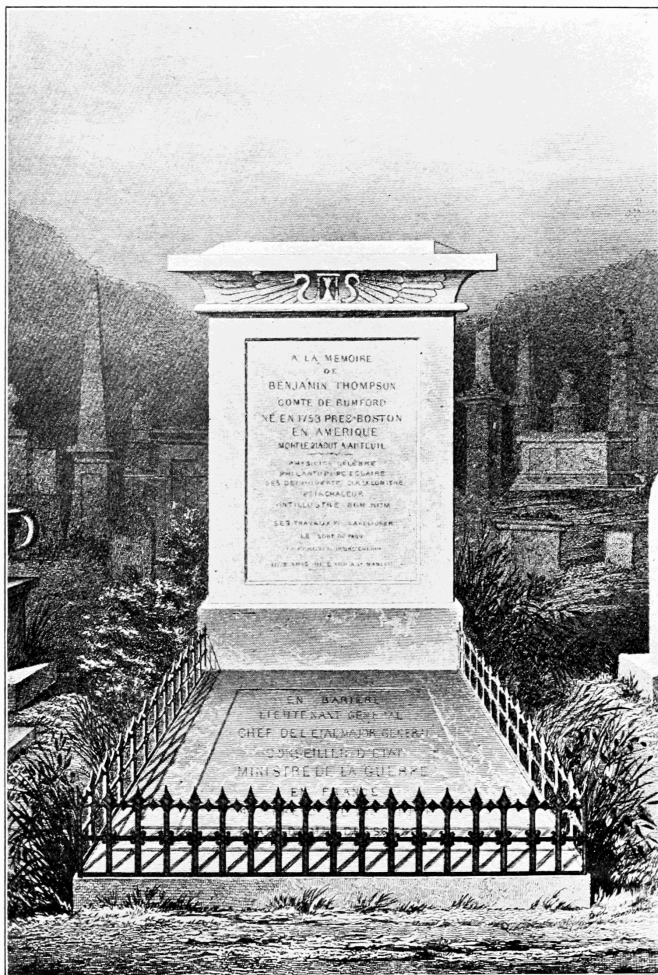


To him, who rooted out the most disgraceful public evils, idleness and mendacity. Who to the poor, gave succor, work, and good habits, and to the youth of the fatherland so many chances of instruction. Go, saunterer, and strive to match him in spirit and deed, and us in gratitude.

M. And Mme Lavoisier



Grave at Auteuil, Paris



To the Memory of Benjamin Thompson,
Count Rumford.

Born in 1753 at Concord near Boston, in America;
Died the 21st of August 1814, at Auteuil.

A celebrated physicist.

An enlightened philanthropist.

His discoveries in light and heat
have made his name illustrious.

His labors for ameliorating the lot of the poor
will cause his name to be cherished
forever by the friends of humanity.

--In Bavaria--

Lieutenant General, Chief of State,
Major General, Counselor of State,
Minister of War.

--In France--

Member of the Institute
Academy of Sciences.



RUMFORD

Aluminum-Free

**BAKING
POWDER**



NET WT 8.1 OZ (230g)