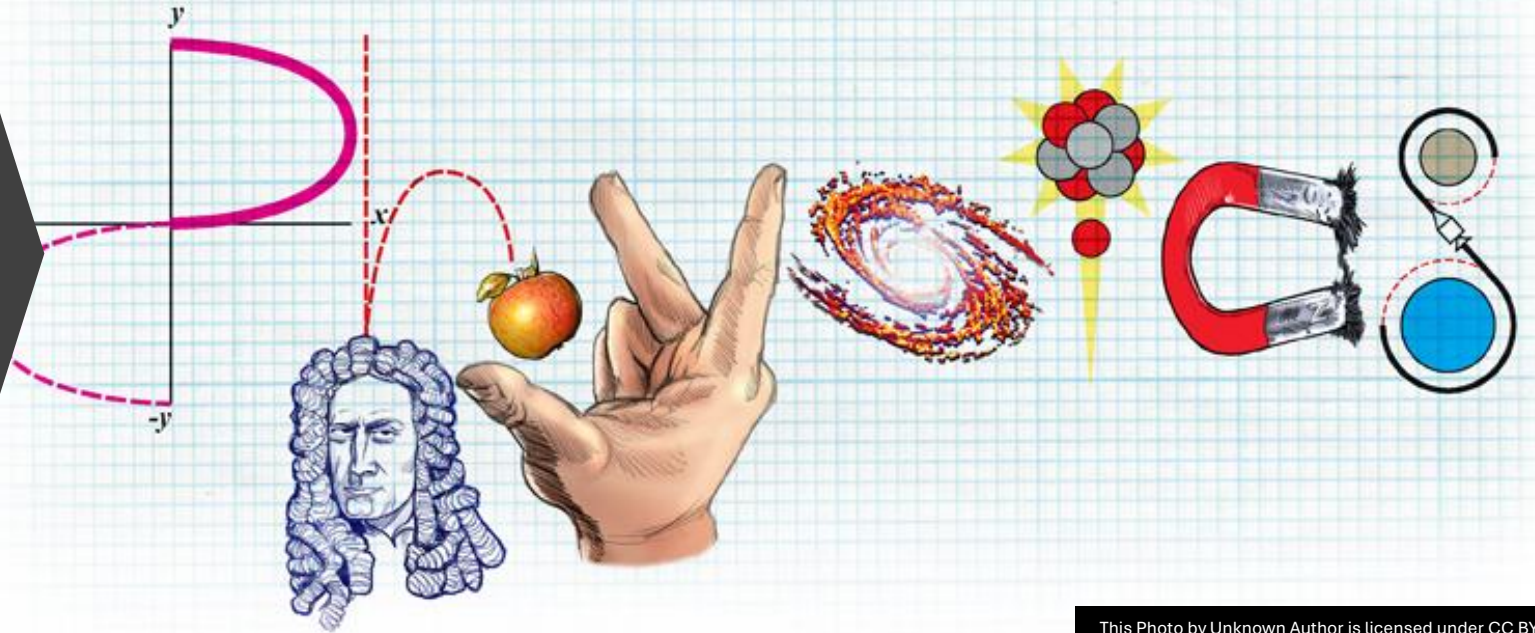


SCENIC SCIENCE LESSON 7A

OUR PHYSICS TIMELINE



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INVENTIONS THROUGH TIME

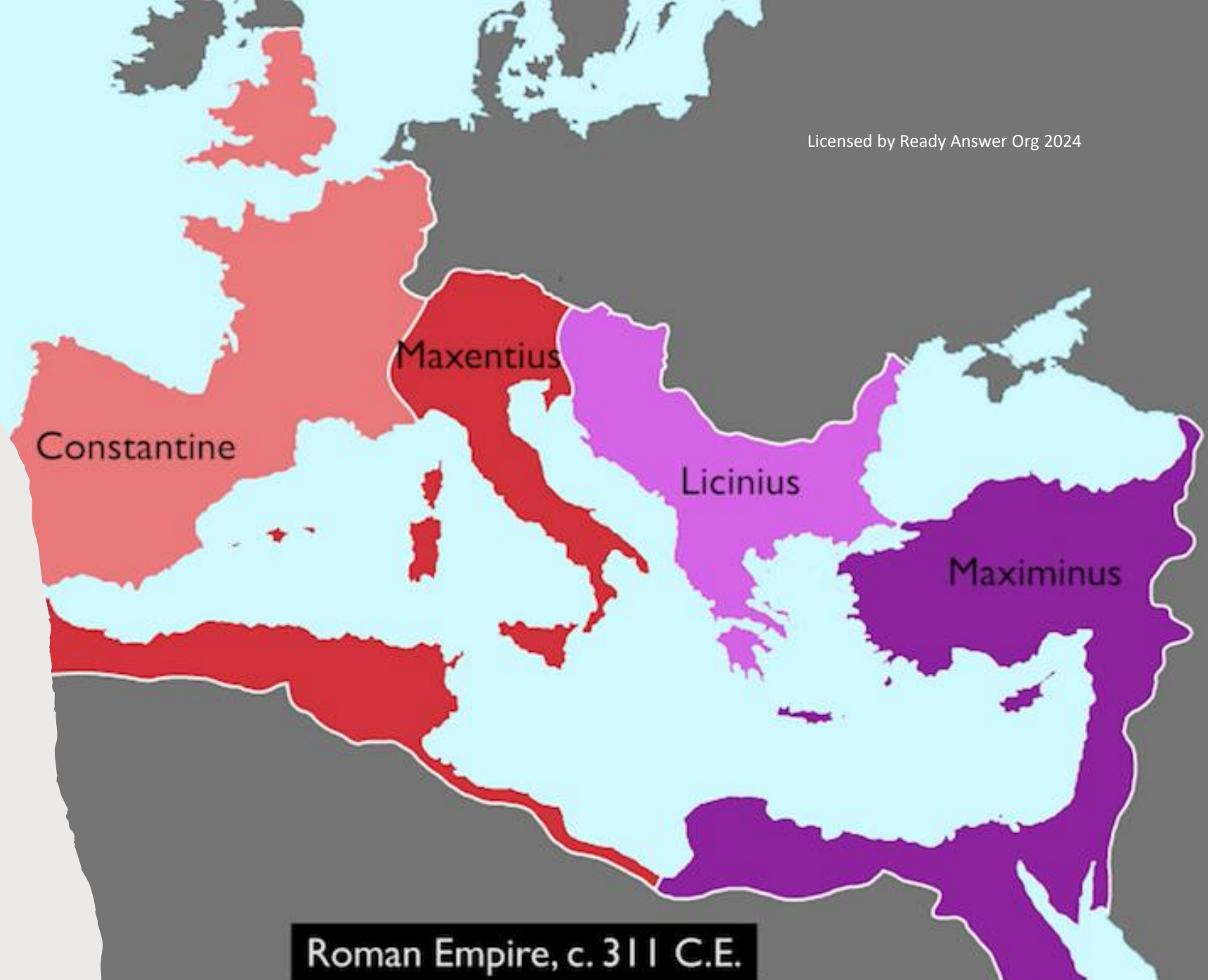


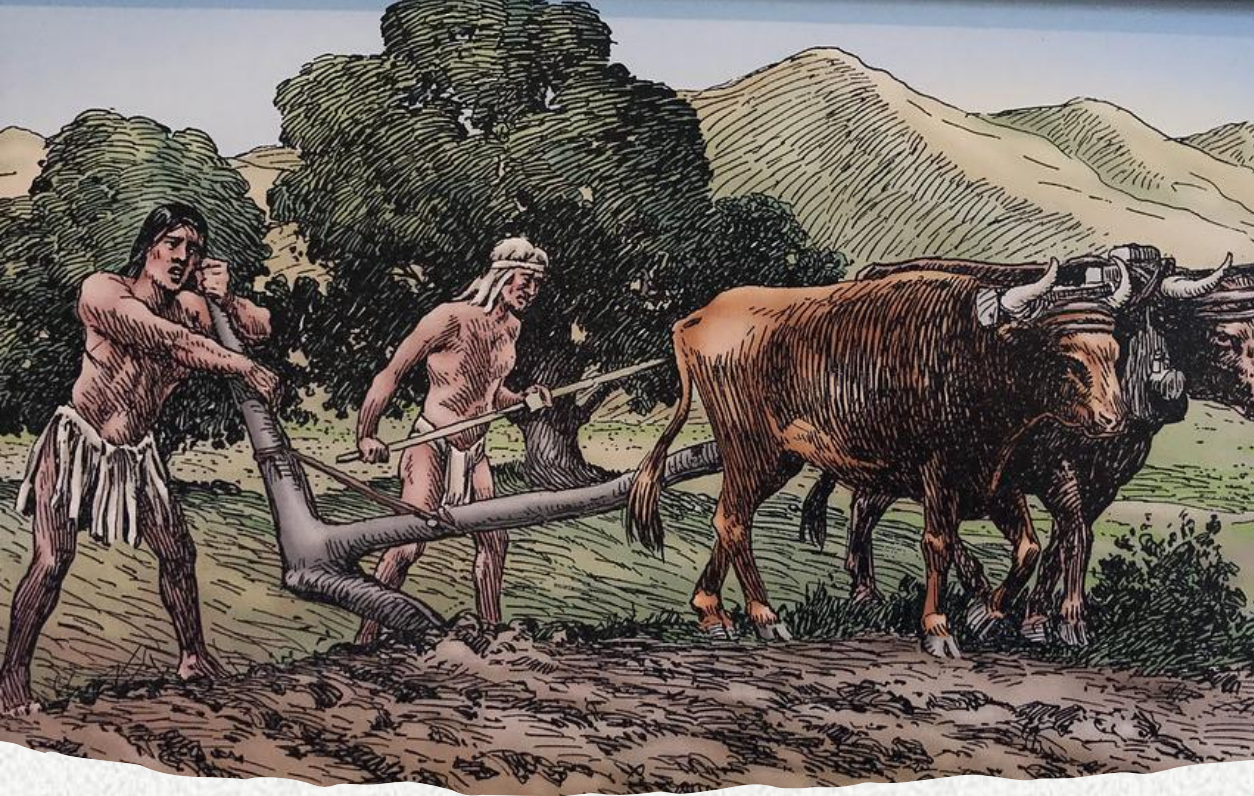
THE CHURCH AGE BEGINS

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CHRISTIANITY SPREADS during the Roman Empire 300-350 AD

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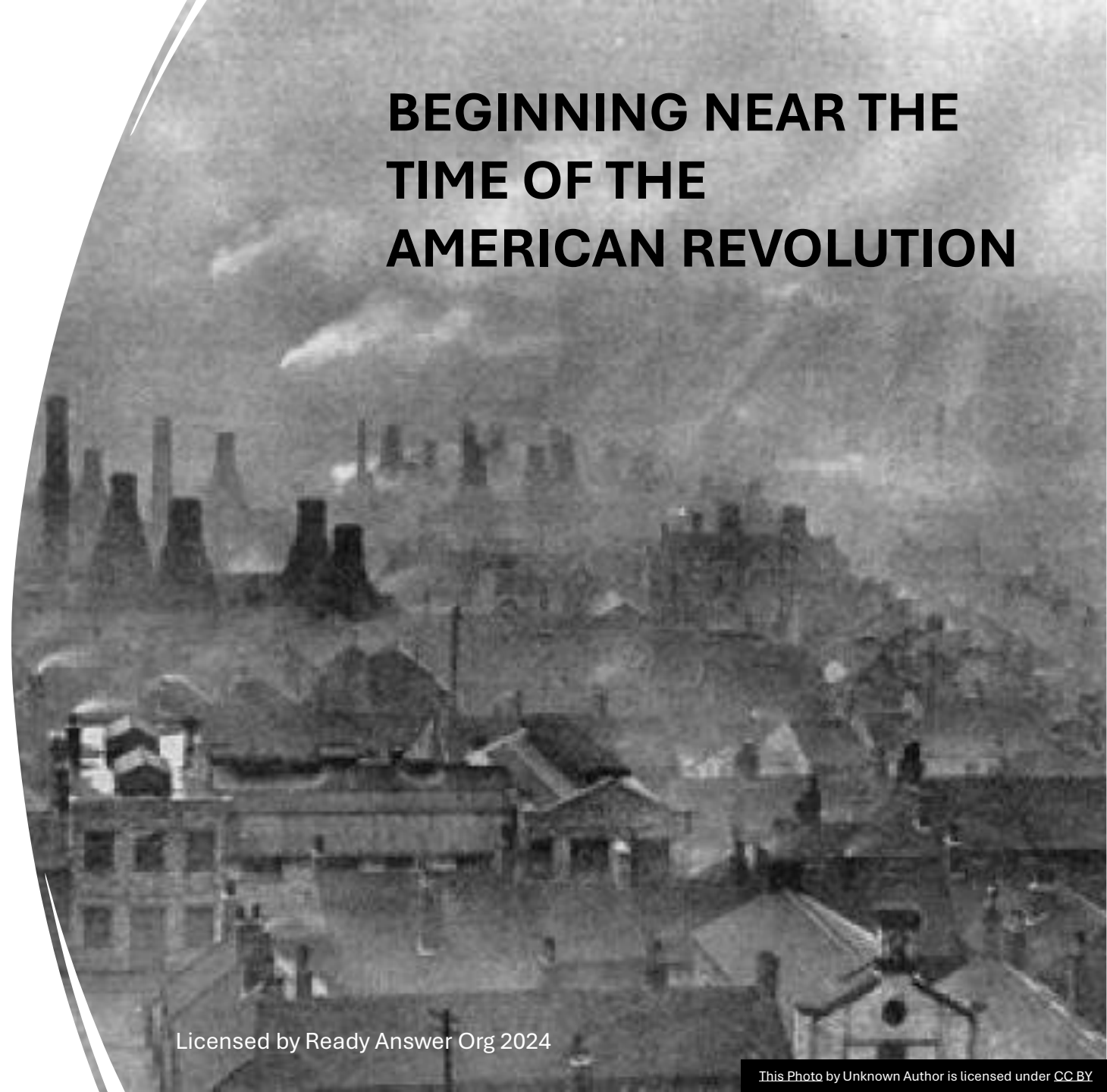
MODERN AGE

THE WAY OF LIFE IN THE EARLY MODERN AGE
DEFINED BY RURAL OR CITY LIFE – NOMADIC OR SETTLED

The Industrial Age - Engines

- The Steam Engine
- Coal, Gas, & Combustion Engines
- Railroad
- Manufacturing
- Automobiles & Planes
- **Eventually leading to Electricity and Electric Motors**

**BEGINNING NEAR THE
TIME OF THE
AMERICAN REVOLUTION**



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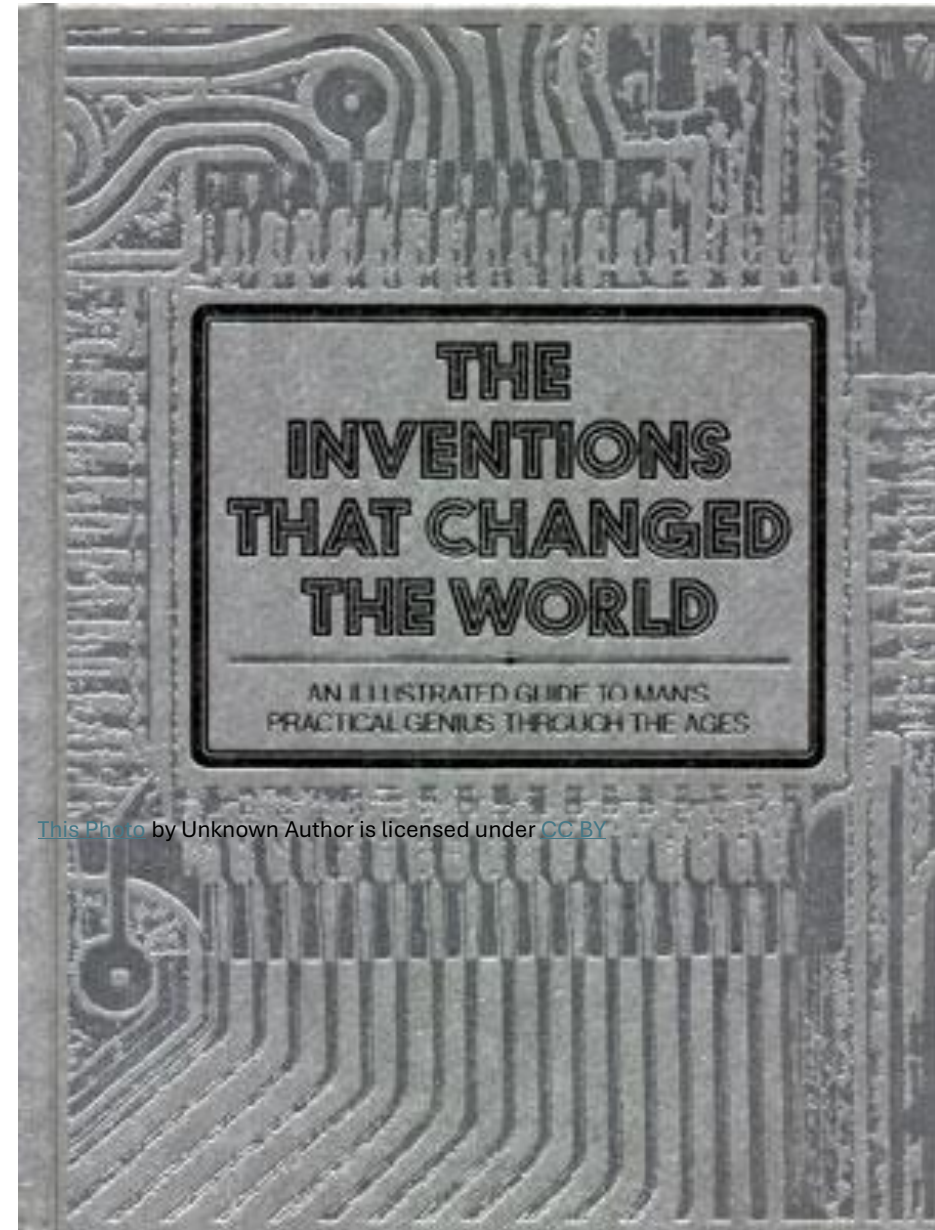


INVENTION
TIMELINE -
MODERN TIMES:

FROM THE INDUSTRIAL AGE TO THE
INFORMATION AGE TO THE
AGE OF ARTIFICIAL INTELLIGENCE

ENGINES & COMPUTERS

FROM the Printing Press to
Steam Engines to
Computers



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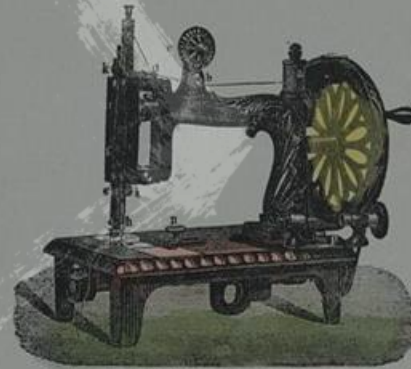


Moveable Type...

- German inventor, Johannes Gutenberg, in 1455
- Knowledge Abounds

MODERNIZING

- Pumps and Pumping Machines
- Peddle Machines
- Engines

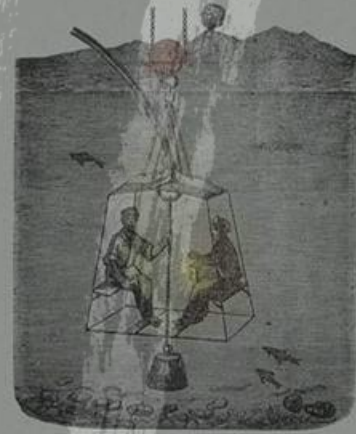


DE NAAIMACHINE.

Eene der nuttigste uitvindingen van den lateren tijd is de naaimachine. Zij is in verschillende soorten verkrijgbaar en zeer aan te bevelen voor naaiers, kleermakers, en menig anderen.



EEN BAROMETER.



DE DUICKERKLOK.

Met de duikklok daalt men tot op den bodem der zee; zij is onmisbaar om voorwerpen uit de diepte op te voeren, daar die zonder deze klok verloren moesten blijven.



HET WINDAS.



EEN KOMPAS ROOS.



Dit lichtje kan branden, zoo lang er lucht in het glas is.



Op zeeën en rivieren varen groote en kleine stoombooten tot vervoer van menschen, dieren en goederen. Er varen stoombooten naar alle oorden der wereld en op onze rivieren zijn ze van veel belang en gemak.

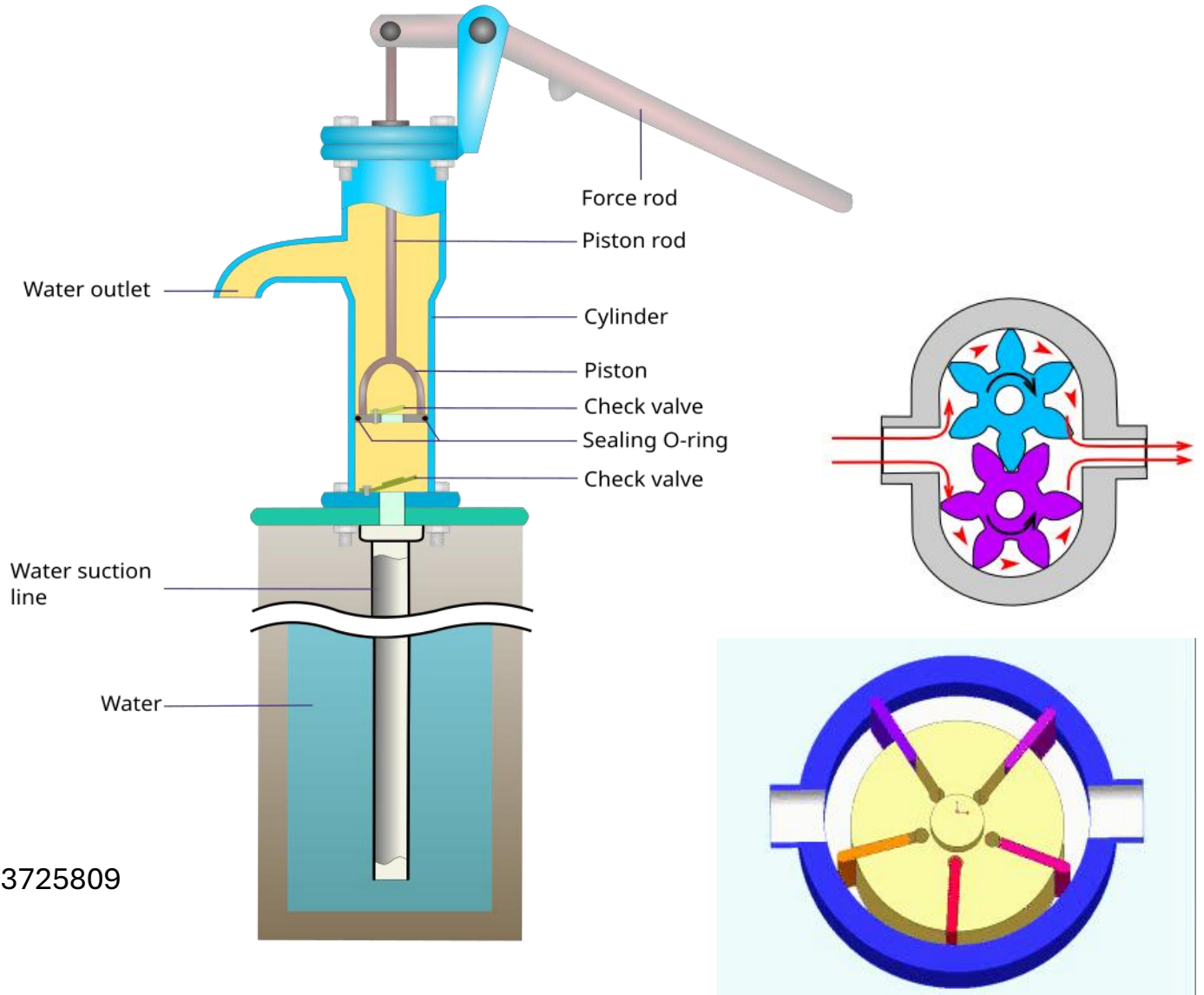


De eerste spoorweg in ons land, werd geopend in 1839, tusschen Amsterdam en Haarlem. Thans rijden door het gansche land spoortreinen, locaalspooren en trams, waardoor we in de gelegenheid zijn om in korten tijd groote afstanden af te leggen.

PUMPS

- Pumps (hand and feet)
 - Water
 - Sewing
 - Piston (compression)
- Machine Pumps

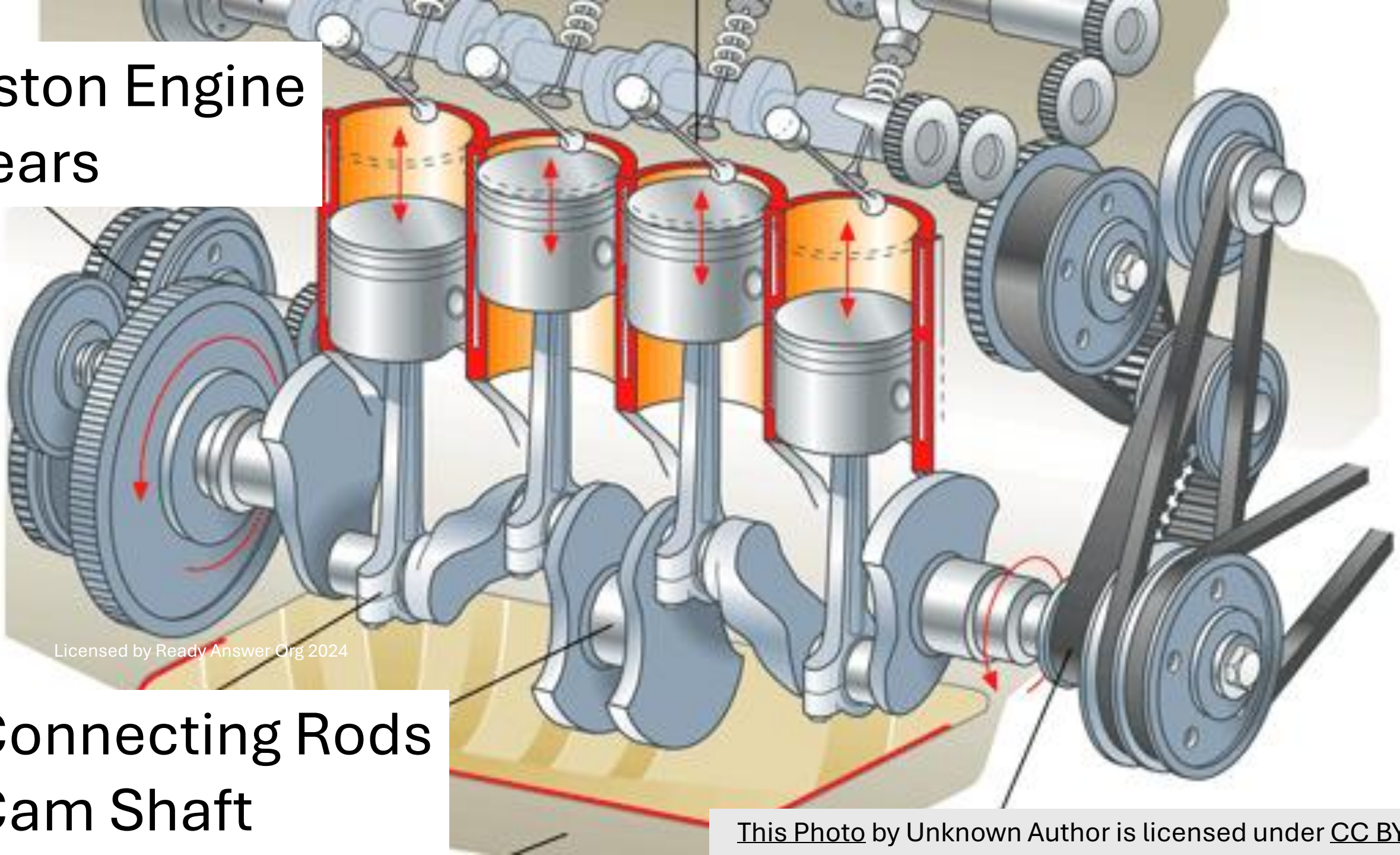
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The Engine Revolution



Piston Engine Gears



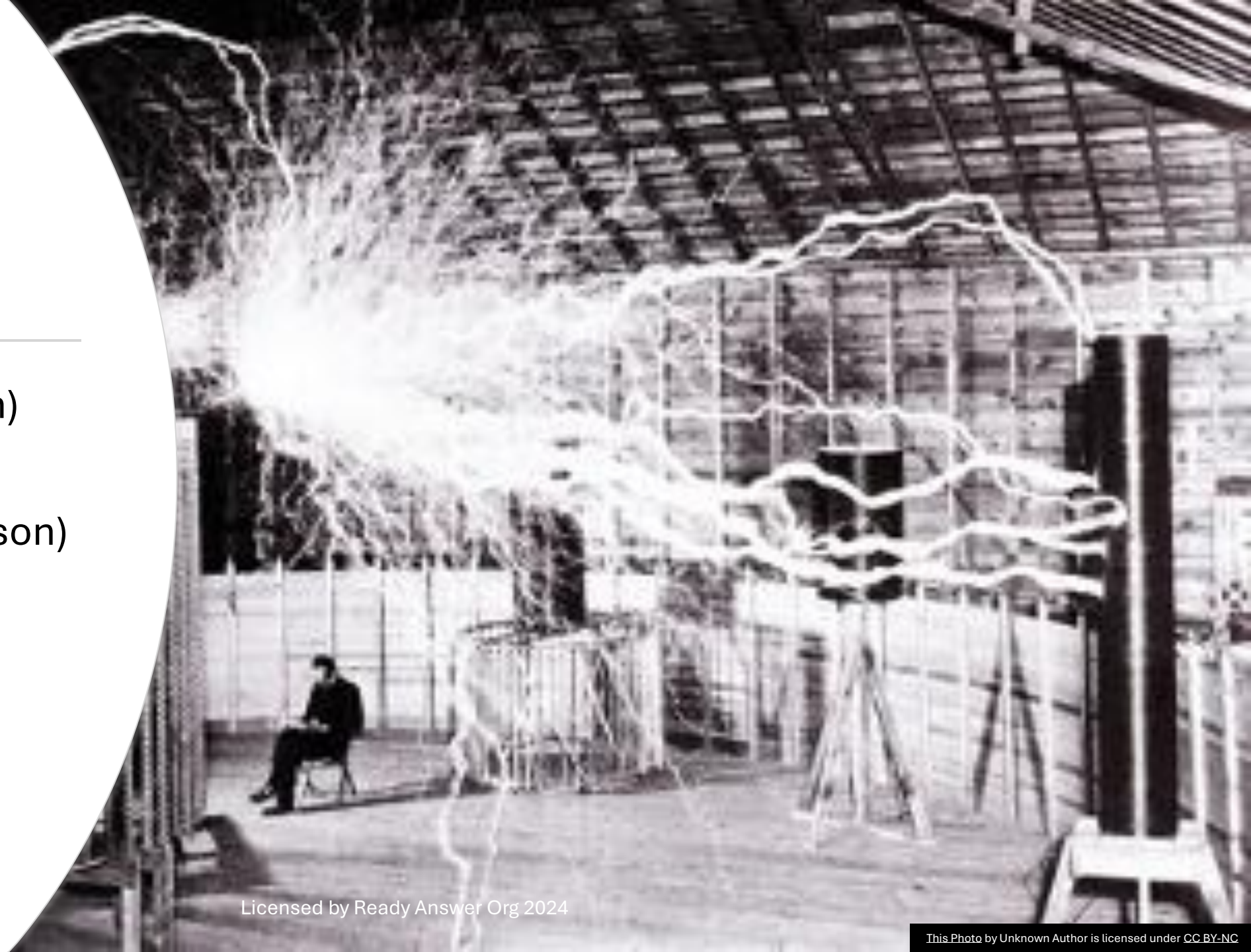
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Connecting Rods Cam Shaft

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ELECTRIC REVOLUTION

- DC Current (Edison)
- AC Current (Tesla)
- The Light Bulb (Edison)

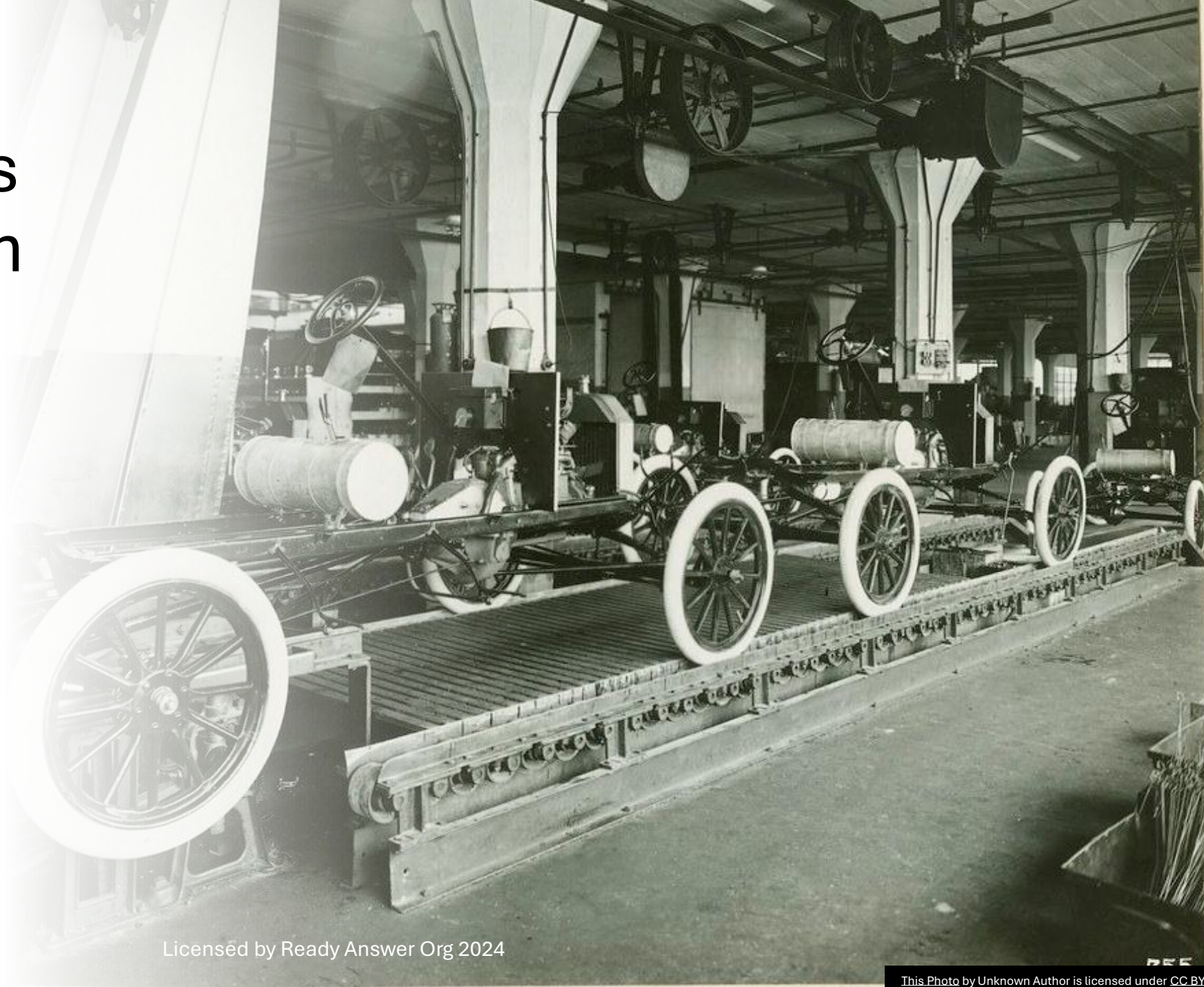


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Assembly Lines and Automation

- Making Inventions Affordable
- Travel Accessible
- Production Faster
- From the Farm to the City

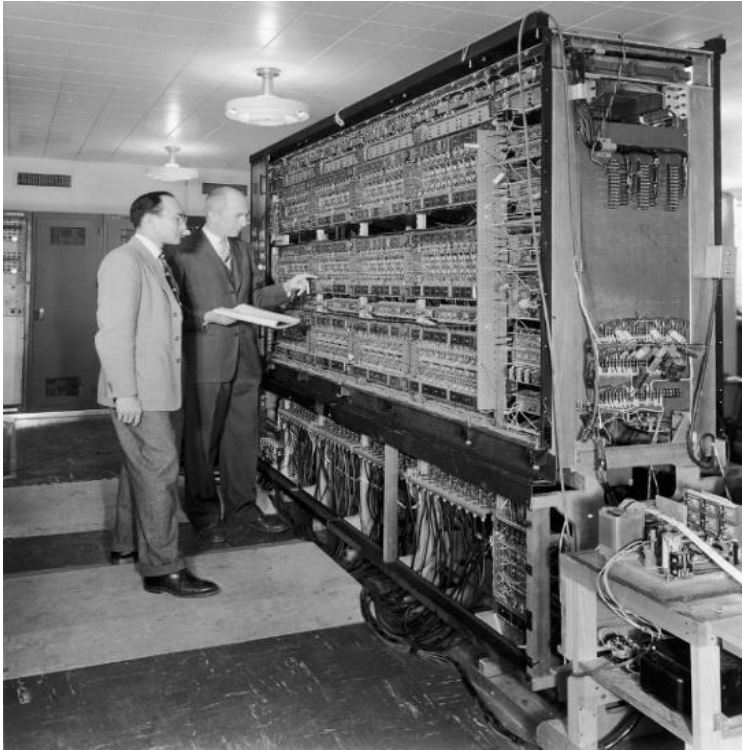


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Radio, Telephone, & Television





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COMPUTERS



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From MAINFRAME COMPUTERS that filled a room
To PERSONAL COMPUTERS that sat on a desk

Technology Thrives

- The INTERNET IS BORN
- The INFORMATION AGE has arrived
- COMMUNICATION SYSTEMS are revolutionized

Not only do we need light, but every element on earth is a product of light. From static electricity to nuclear power (that releases gamma radiation/light), light exposes the possibilities and wonders of our world.

- **Psalms 18:28** “You, Lord, keep my lamp burning; my God turns my darkness into light.”



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Light in the Darkness

REMEMBER THESE THINGS



We often use a “light bulb” as a symbol for a new idea or understanding. A simple electric light bulb in a dark closet or room can make all the difference in finding something you need to find. Darkness is the absence of light. Darkness is NOT an entity itself. It cannot exist where Light rules. Light expels darkness in a way that fills and overcomes that which is empty or lacking.

John 1:5 ⁵ *The light shines in the darkness, and the darkness has not overcome it.*