

PowerPoint Presentation:

https://docs.google.com/presentation/d/1pxnwb6GY4t8AoHODkz3WD2_VTa4XPWgaD3GA2ACPWxg/edit?usp=sharing

Pre-Lecture: Warm up

How do you think the invention of steamboats changed such things as travel, trade, and communication?

During Lecture: Notes

Eli Whitney (1765-1825):

- U.S. born inventor who invented the cotton gin
- his invention allowed for the expansion and maintenance of slavery in the South
- the cotton gin was a machine that grew the production of cotton by making the process of taking out the seeds from the cotton fiber quicker
- by hand, seeds were removed from 1 pound of cotton fiber in one day

Question: Can you guess how many pounds of cotton were cleared in one day after the invention of the cotton gin?

- the cotton gin removes seeds from 50 pounds of cotton fiber in one day

Samuel Slater (1768-1835):

- "Father of the American Industrial Revolution"
- brought the Industrial Revolution to the United States
- established the first successful cotton mill in Rhode Island
- the cotton mill is a building that contained spinning or weaving machinery for production of yarn or cloth from cotton
- Its impact was bringing jobs to the areas where these cotton mills were built which included dangerous work conditions & low pay

Lowell Mill Girls -

- "Mills girls" is the term used in newspapers & periodicals for the young women who worked in large cotton factories
- the age range was 15 to 35 years old
- Workers were recruited from small farms and villages to work in Lowell
- Boarding houses: 20 to 40 women lived in each unit; shared bedrooms and dine in one same room
- protested work conditions & wage cuts

Samuel Morse (1791-1872):

- Invented the telegraph which revolutionized long distance communication
- Transmitted electrical signals over a wired laid between stations
- “Morse Code”: a set of dots and dashes to each English alphabet & allowed simple transmissions of complex messages across telegraphs
- the first message sent was “What hath God wrath?”

Question: If you bought a telegraph and you were sending out your first message, what would it be?

John Deere (1804-1886):

- Was a blacksmith and founded his own company called Deere & Company
- revolutionized American agriculture by developing the first steel plow in 1837
- First steel plow allowed farmers to cultivate crops more efficiently
- Steel plow required 8 yokes of oxen to be able to pull the plow through the land

Railroads:

- the invention of the steam locomotive made traveling long distance quicker and easier
- farming such as perishable goods were transported through locomotives
- it brought jobs & created companies to build more railroads throughout the country
- The First Continental Railroad was completed in 1869 which allowed people to travel from the east to the west

Robert Fulton (1765-1815):

- An American engineer & inventor who invented the first successful steamboat
- the steamboat was automotive to travel and transport goods on the river
- It used steam power to travel upstream

Exit Ticket:

Which invention do you think was the most influential and why? Write one or two sentences.

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Sources:

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