

The Transportation and Industrial Revolutions



c. 1800's – c. 1840's

Georgia Standards

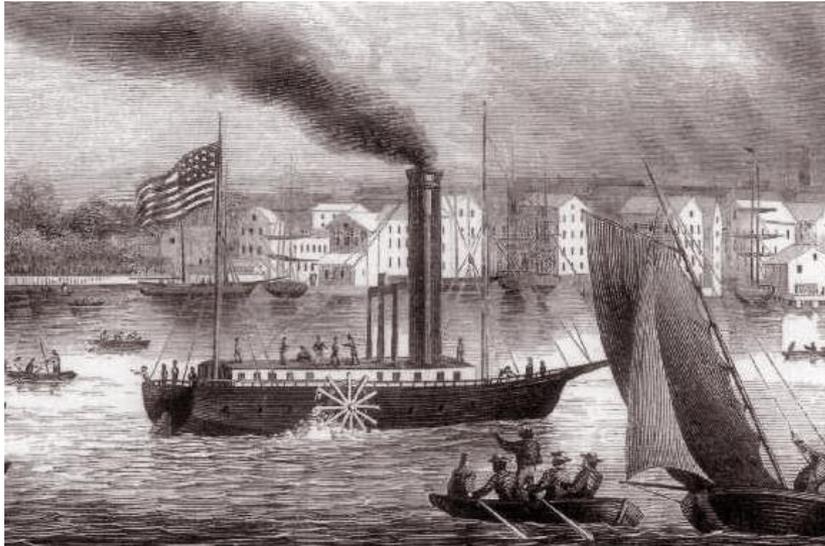
- ∞ **SSUSH6** The student will analyze the nature of territorial and population growth and the impact of this growth in the early decades of the new nation.
- ∞ d. Describe the construction of the Erie Canal, the rise of New York City, and the development of the nation's infrastructure.
- ∞ **SSUSH7** Students will explain the process of economic growth, its regional and national impact in the first half of the 19th century, and the different responses to it.
- ∞ a. Explain the impact of the Industrial Revolution as seen in Eli Whitney's invention of the cotton gin and his development of interchangeable parts for muskets.

Transportation Revolution

- As America expanded westward new methods of transportation were needed.
- Improving Roads:
 - Some states created turnpikes, roads for which users had to pay a toll.
 - The federal government built the National Road that stretched from Maryland to Missouri.



Transportation Revolution

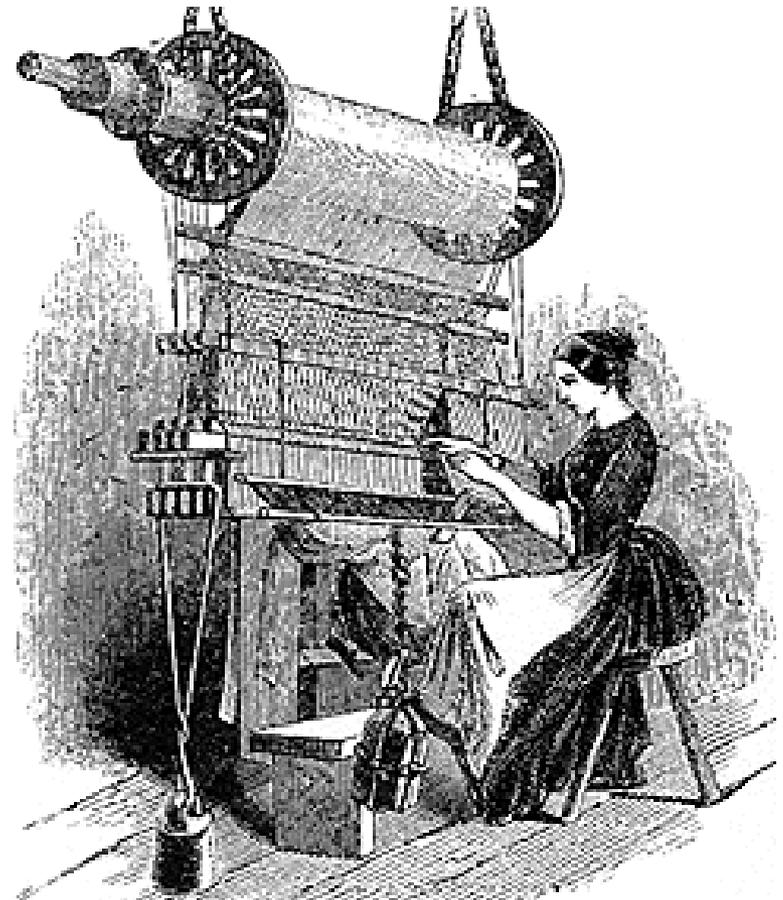


- ∞ Water travel improves and expands.
- ∞ Robert Fulton invents the steamboat.
 - Makes travel upstream easier and faster.
- ∞ Canals Boom:
- ∞ These man-made waterways connected various bodies of water, linking farmland in the West to the growing cities of the East.
- ∞ Erie Canal
 - Completed in 1825; fueled the growth of New York City and cities along its banks.



Industrial Revolution

- ✎ During the Industrial Revolution, developments in technology transformed the manufacturing of products.
- ✎ Textile Mills:
- ✎ New machinery transformed the way textiles (cloth) were produced.
- ✎ Textile mills in Lowell, MA became famous for their methods of production.



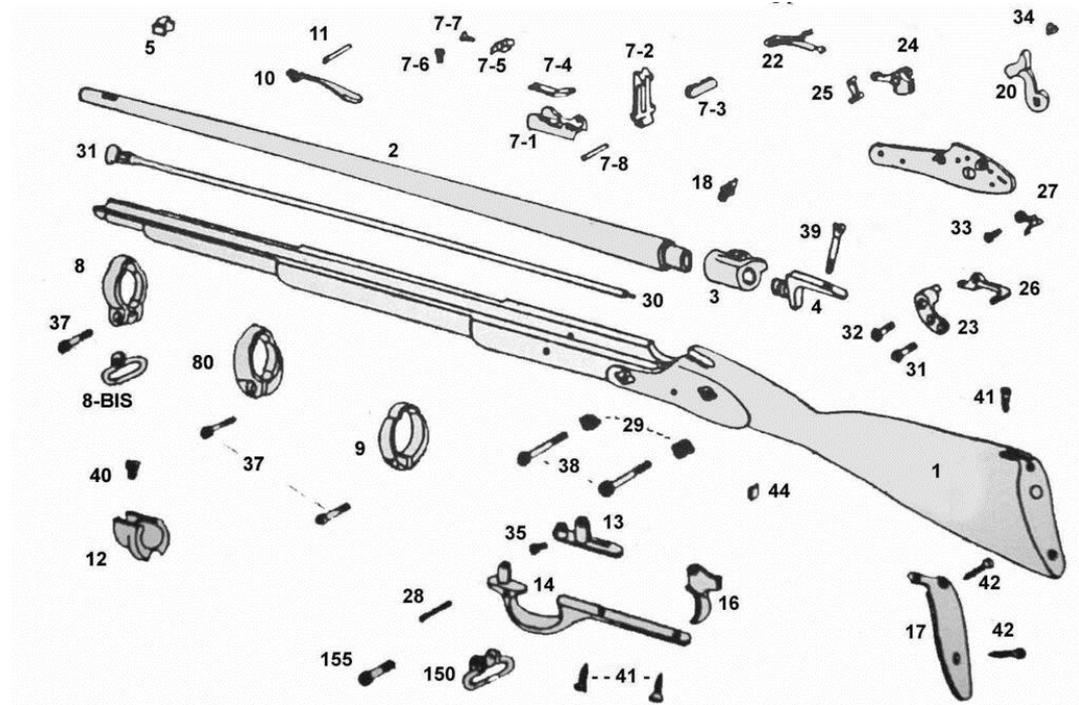
Industrial Revolution



- ✧ New inventions transform industry and agriculture.
- ✧ Samuel Morse
- ✧ Morse invents telegraph that delivers messages via Morse code.
- ✧ Relay of information becomes instant. Messages take seconds, not days to deliver.

Industrial Revolution

- ☞ Eli Whitney changes everything.
- ☞ Interchangeable parts – identical components that can be used in place of one another
- ☞ “If the trigger on the musket breaks, now you can just install a new trigger instead of buying a whole new musket.”



Industrial Revolution



- ☞ 1793 – Eli Whitney invents the cotton gin.
- ☞ Cotton gin easily removes the seeds from cotton.
- ☞ Faster production of cotton leads to increased demand.
- ☞ Increased demand for cotton leads to increased demand for slaves.
- ☞ Northern textile mills were also profiting from booming cotton industry in the South.

Ticket Out the Door

- ✎ Pick two inventions or innovations from the list below. Explain the way your chosen advances changed the lives of Americans in the first half of the 19th century.
- Turnpikes
 - Steamboats
 - canals
 - Textile mills
 - The telegraph
 - Interchangeable parts
 - The cotton gin