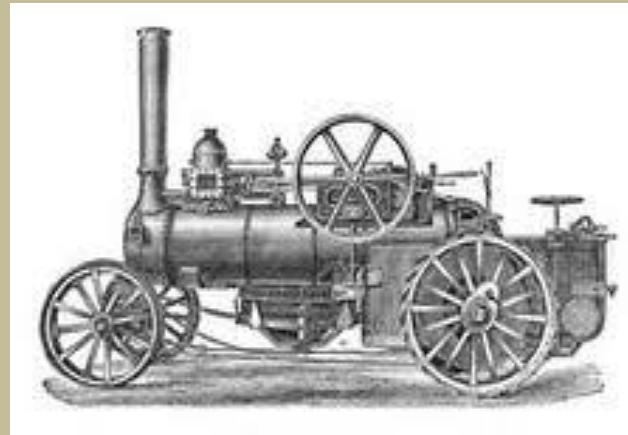


The Industrial Revolution



A Turning Point in History

- 1750
- Use of simple hand tools
- Lived in cottages; made own clothes/food
- Village life/market
- 1850
- Growth of cities/industrial towns
- Bought food/clothes
- Worked in factories/stores
- Easy movement of people

Agricultural Revolution

- Better use of land/fertilizer equals better crops
- Jethro Tull: seed drill



Enclosure Movement

- Rich land owners...fencing off land formerly shared with peasants...profits rose...but fewer people needed to farm
- People moved to the city



Population Explosion

- 5m in 1700...9m in 1800
- Declining death rate; reduced risk of famine;
- Healthier women gave birth to better babies;
- Diseases faded; better hygiene

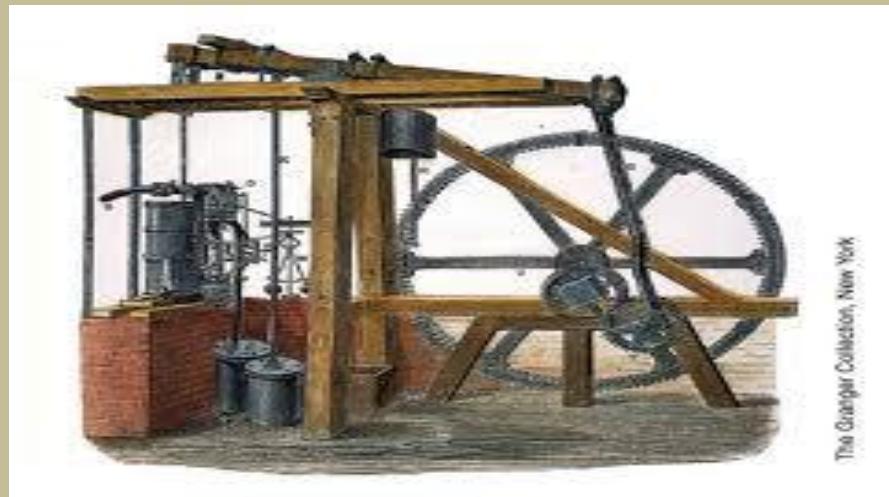
Table I Population of some cities in England in the Industrial Revolution

Cities	1801	1841
Manchester	35,000	353,000
Leeds	53,000	153,000
Birmingham	23,000	183,000
Sheffield	46,000	111,000

Source: Korn (1953, p. 67)

Energy Revolution

- Waterpower became more efficient
- Coal was used to develop steam power
- James Watt: steam engine



The Granger Collection, New York

Part 2

Why did Britain lead the Way?



Natural Resources

- Coal to power steam engines
- Iron to build machines



Human Resources

- Agriculture workers moved to the city or to coal/iron mines
- Population explosion provided more workers



New Technology

- Scientific Revolution plus Enlightenment ideas
- Steam engine
- Spinning mule
- Locomotive
- dynamo



Capital (\$) and Demand

- Lots of \$\$\$ to invest
- Population boosted demands for goods
- General economic prosperity



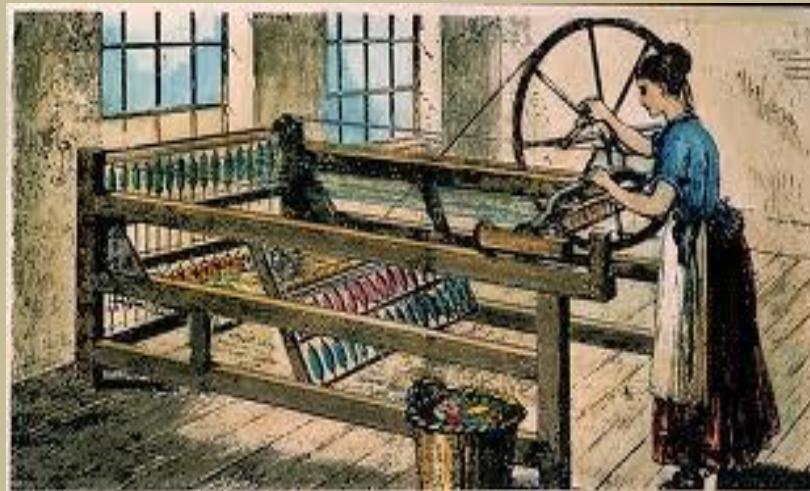
Political/Social Conditions

- Stable government
- Strong navy to protect empire and trade
- Thrift and hard work
- Material achievement became important



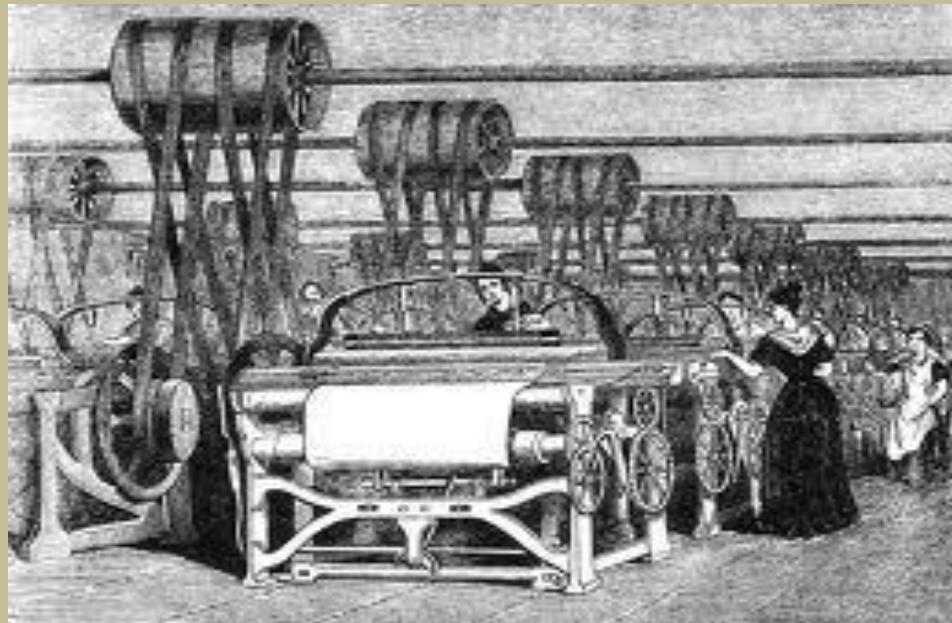
Revolution in Textile Industry

- Largest industry and first to feel impact of Industrial Revolution
- Move from cottage to factory
- Flying shuttle/ spinning jenny/waterframe



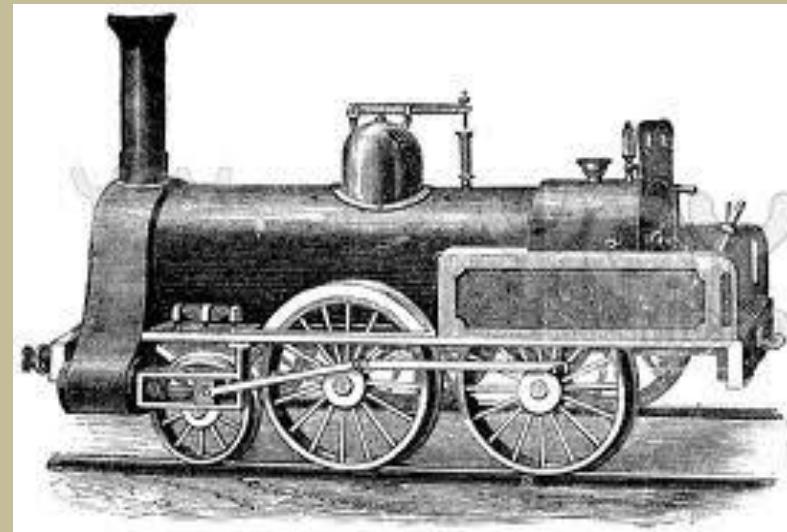
First Factories

- Machines large/expensive
- Factories near water supply/then steam



Revolution in Transportation

- Needed faster/cheaper ways to move goods
- Turnpikes: roads with tolls
- Canals
- Steam locomotive



POV

- How would you feel about the Industrial revolution if you were a farmer? Could different farmers have different POV?

