

# Section II: Industrialization

## First Half!

# Raw Materials

oil, wood, coal, water, iron ore, etc.  
first oil gusher in Pa. (1859)

George Westinghouse

**invented air brake**

**John S. Pillsbury**

invented process of reduction of  
wheat to make white bread

George W. Carver



black scientist who broke down  
chemical components of peanuts

Thomas A. Edison

light bulb, phonograph,  
motion pictures

“Laissez Faire”

government did not tax, regulate, or  
otherwise interfere with business

# Monopolies

**business with no competition**

# Trusts



board which sets prices and  
practices for all the companies  
in the trust

Andrew Carnegie

built the steel industry in Pittsburgh  
with the Bessemer process

# Vertical Integration

control all aspects of manufacturing  
from raw materials  
to the finished product

**John D. Rockefeller**

owned the Standard Oil Trust which  
controlled 97% of  
the oil industry

J. P. Morgan\*



organized General Electric and  
U. S. Steel  
(first billion \$ corporation)

Daniel McCallum\*

RR manager who developed a famous truss for bridges and developed the organizational chart used in businesses

# Social Darwinism

“survival of the fittest” ...  
an unregulated economy would be  
most productive and beneficial  
to all classes

Horatio Alger

**“rags to riches” stories**

**Karl Marx**



wrote the Communist Manifesto and  
predicted that capitalism  
would be replaced by  
socialistic communism

**Socialism**

The government owns the major industries and uses the profits for government operation and social programs.

# The Gospel of Wealth

Andrew Carnegie's book which said that the very wealthy had the responsibility to give back a portion of their success to society and contribute to charities.

# Labor Unions

Workers organized to negotiate with their employers in order to obtain higher wages and safer working conditions.

scabs



Strike breakers or workers willing to cross a strike line and take the job of an employee who was refusing to work.

Molly MaGuire

Union members comprised of Irish coal miners and they were among the most violent terrorists in U.S. history.

anarchy

Advocated violence and the  
abolishment of all government since  
they saw government institutions  
favoring the wealthy and ignoring  
the poor.

# Pinkerton Detectives

private police agency hired by  
employers and company  
management to combat unions.

Terence Powderly\*



head of Knights of Labor who  
advocated eight hour work day and  
abolition of child labor.

# Knights of Labor

a secret labor union which  
represented workers of all types:  
regardless of race, gender,  
or nationality.

Haymarket Square

strike at McCormick reaper plant led  
to bomb which killed  
seven policemen

John P. Altgeld

the first successful pro-union  
candidate for governor (Illinois) who  
issued pardons to three of those  
accused in the  
Haymarket Square Incident.