Essential Question:

-What factors led to the rise of the American Industrial Revolution from 1870 to 1900?

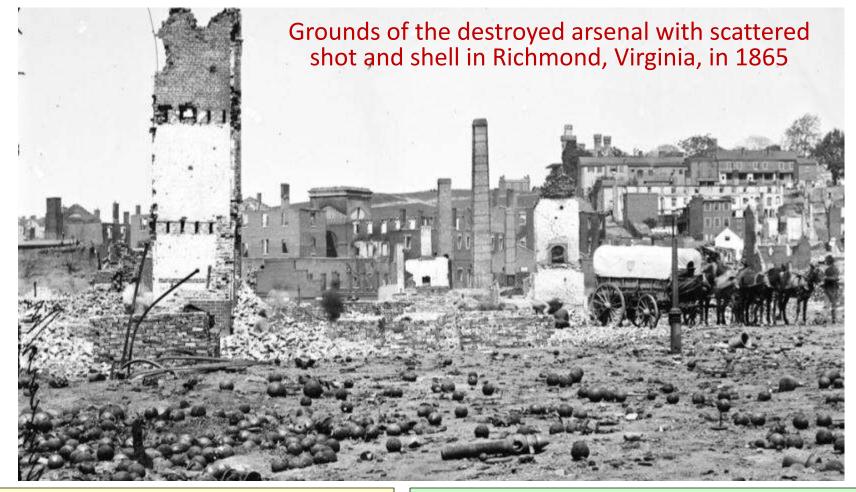
<u>CPUSH Agenda for Unit 7.2</u>:
<u>-Industrialization and Big Business notes</u>

During the Gilded Age, the United States experienced an industrial revolution



Stacked cannon balls, possibly a view of an arsenal yard in Washington, D.C. (NARA)

The Civil War stimulated mass-production techniques that were used after the war to make industrial goods

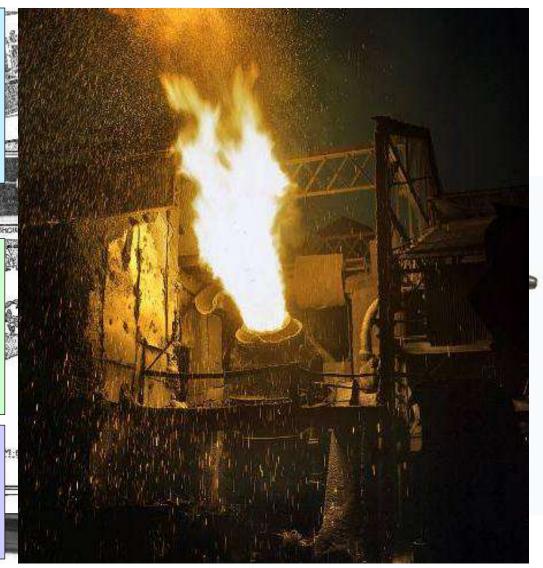


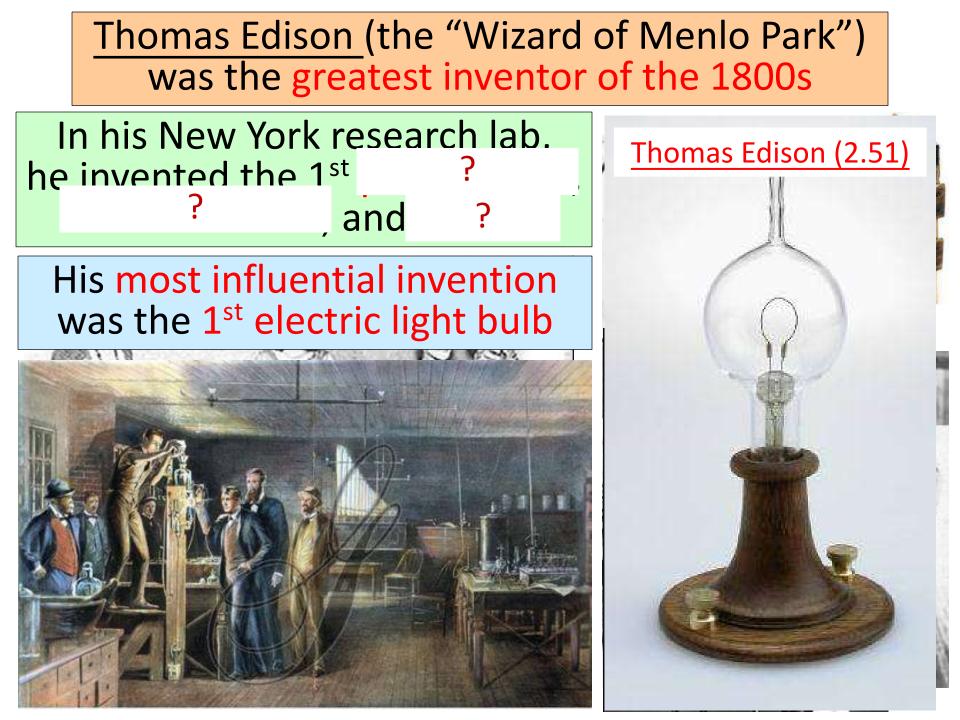
The Civil War stimulated mass-production techniques that were used after the war to make industrial goods Industrial goods like iron, steel, and railroads were needed to rebuild the nation after the war and build America's new cities America's industrial revolution began as a wave of inventions Cash registers, typewriters adding machines, made businesses more efficient

Alexander Graham Bell's telephone revolutionized communication

The <u>Bessemer process</u> created a cheap way to transform iron into stronger, lighter steel

New inventions allowed for improved industrialization

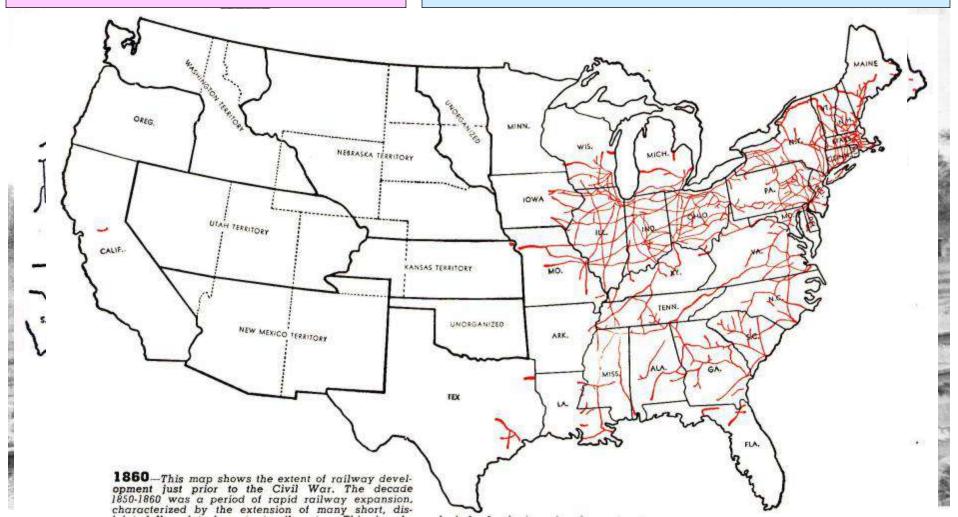




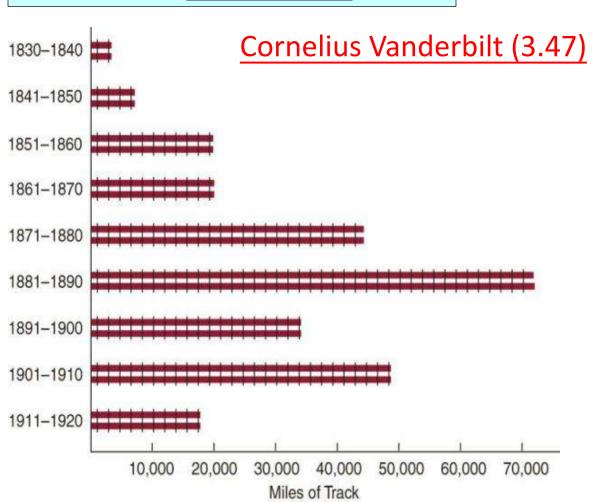
The <u>railroad</u> was America's first "big business"

Railroad construction grew in the years before the Civil War...

...But, tracks were owned by different companies and were not standardized



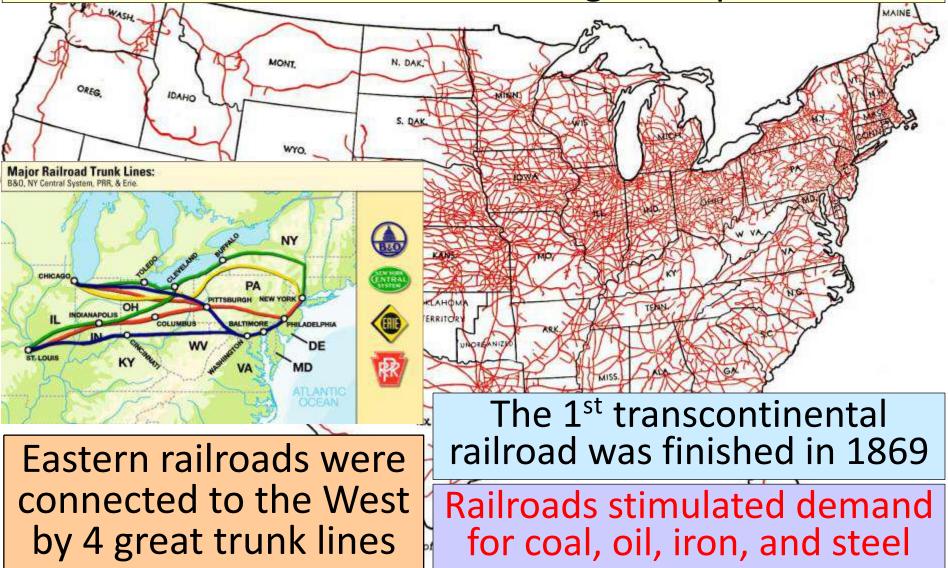
During the Gilded Age, railroad construction boomed, led by tycoons like <u>Cornelius Vanderbilt</u> and Jay Gould Large companies bought small railroads, standardized gauges and schedules, and pooled cars





Railroad expansion led to a boom in the economy

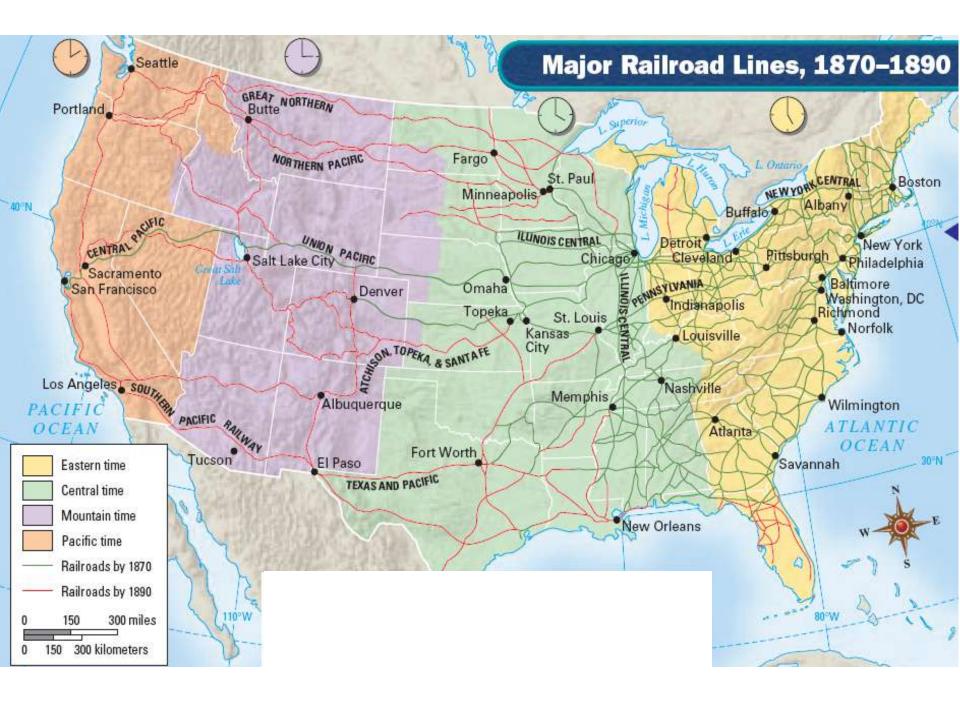
Railroads connected the East, South, and West and allowed for national trade and regional specialization



Chinese workers were recruited to America to build the railroad...

...But, Congress passed the Chinese Exclusion Act in 1882 which ended Chinese immigration to America





PLESSY V. FERGUSON

In 1896, <u>Plessy v. Ferguson created</u> the "Separate but Equal" clause, upholding many of the Jim Crow Laws

RISTORIC DECISIONS OF

PLESSY v. FERGUSON (1896)

ORIGINS OF THE CASE In 1892, Homer Plessy took a seat in the "Whites Only" car of a train and refused to move. He was arrested, tried, and convicted in the District Court of New Orleans for breaking Louisiana's segregation law. Plessy appealed, claiming that he had been denied equal protection under the law. The Supreme Court handed down its decision on May 18, 1896.

THE RULING The Court ruled that separate-but-equal facilities for blacks and whites did not violate the Constitution.

arguments in the 1954 case of Brown v. Board of Education. (Continued on other side)

CRESCENT CITY PEACE ALLIANCE

Essential Question:

-What factors led to the rise of the American Industrial Revolution from 1870 to 1900?

<u>CPUSH Agenda for Unit 7.3</u>:
<u>-Industrialization and Big Business notes</u>

Industrialization led to a demand for iron and steel

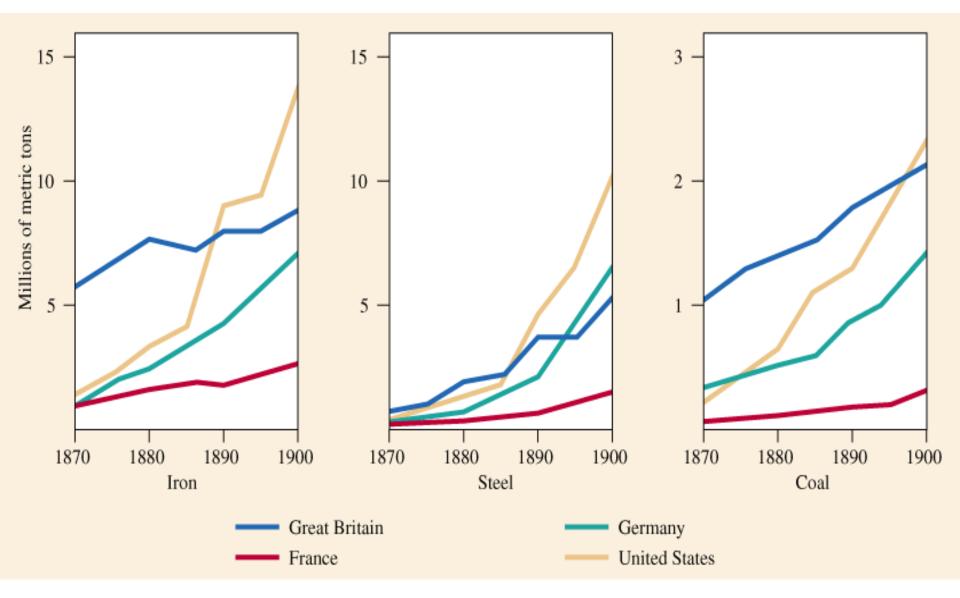
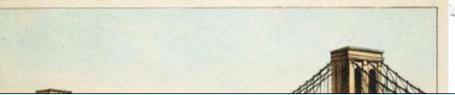


Figure 17.3 Iron, Steel, and Coal Production 1870–1900

Steel led to skyscrapers, longer bridges, stronger railroads, and heavier machinery



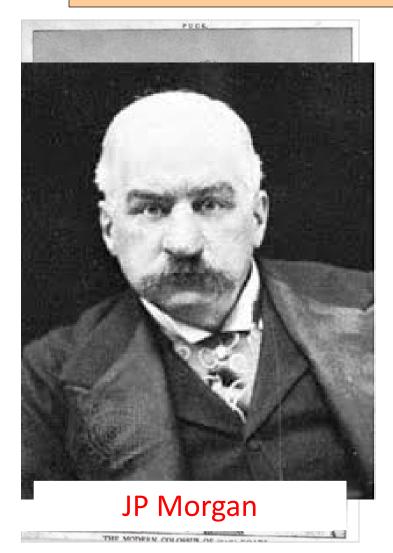


<u>Urbanization</u> led to cities growing outward, while skyscrapers and elevators let them grow upward



VIEW LOOKING NOCTHWEST, CITT HALL IN POBROBOUND WOOLWORTH BUILDING, NEW YORK, CASS GILBERT, F.A.LA., ARCHITECT

Captains of Industry or Robber Barons





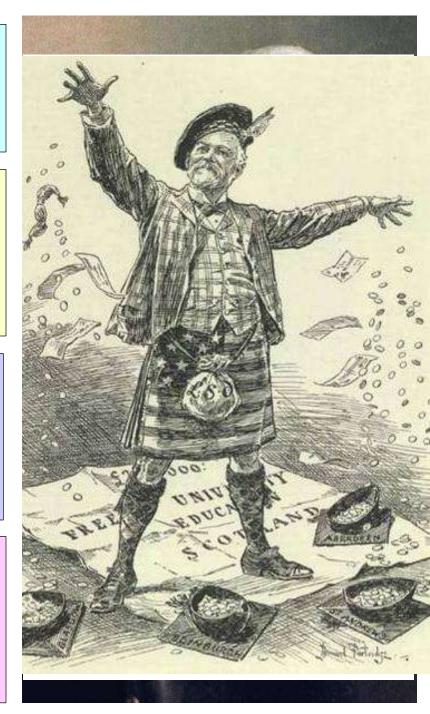
John D. Rockefeller

The iron and steel industries were dominated by <u>Andrew Carnegie</u>

Carnegie converted his mills to the <u>Bessemer process</u> and made the highest quality steel at the lowest price

Carnegie Steel Company produced more steel than all the steel factories in Great Britain combined

Carnegie best represented the American dream by rising from poor a immigrant to richest man in the world



Carnegie did not pay his employees very much and did not allow unions in his factories...

...but he was a philanthropist who gave away money to New York City libraries, colleges, and performing arts institutions

Andrew Carnegie (2.11)

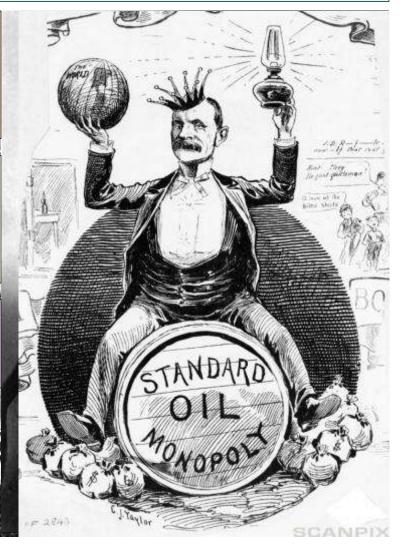
Industrialization led to a demand for oil for lubrication and kerosene lighting The oil industry during the Gilded Age was dominated John D. Rockefeller's Standard Oil Company

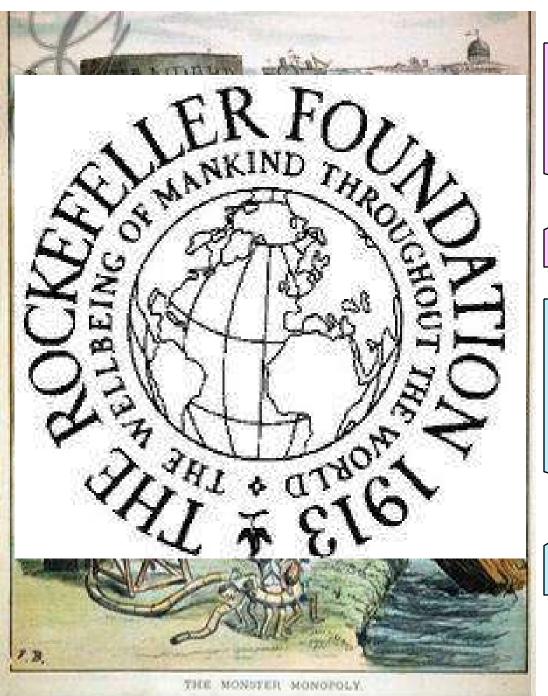
Rockefeller used ruthless tactics to buy out competing companies

Standard Oil lowered costs and improved the quality of its oil products

By 1879, Standard Oil sold 90% of the oil in America



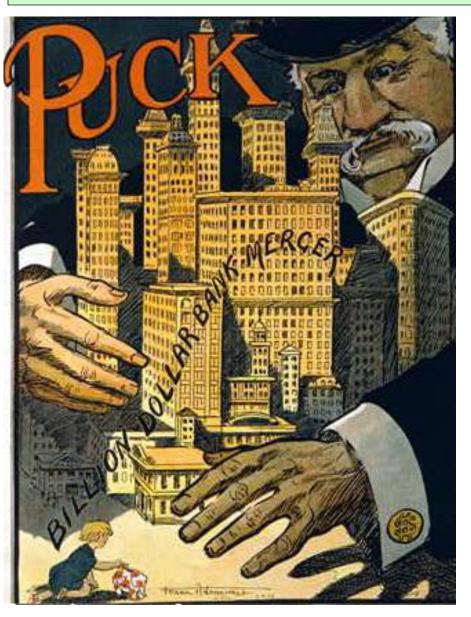




Rockefeller took advantage of his workers and used his fortune to influence the national gov't...

...but Rockefeller gave away \$500 million to charities, created the Rockefeller Foundation, and founded the University of Chicago

Industrialization led to a demand for financing so banking became a significant part of the Gilded Age



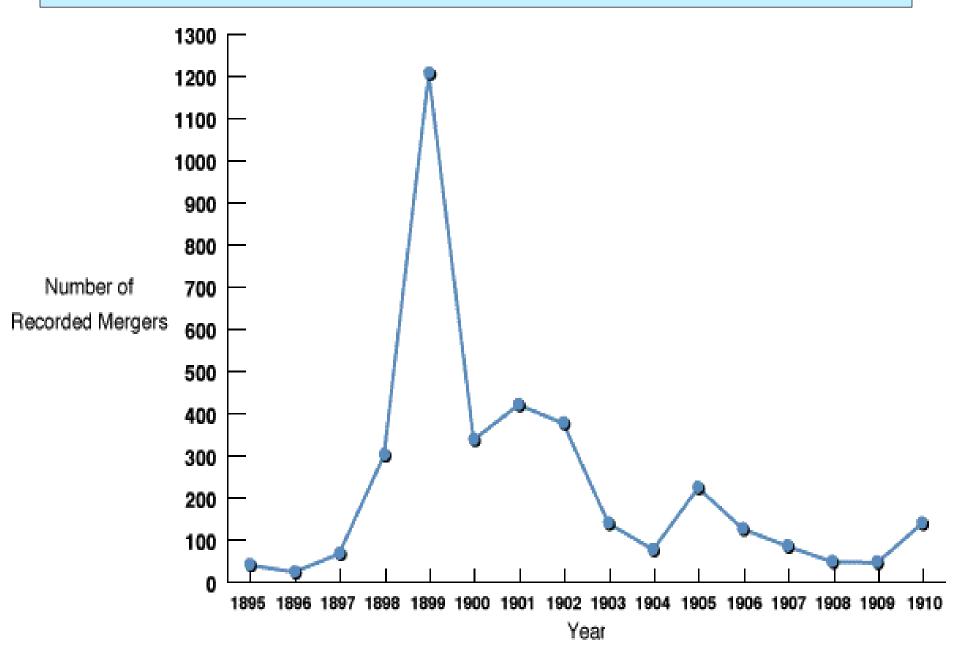
American finance and railroad was dominated by JP Morgan

He was so influential that he bailed out the railroad industry when companies were in trouble

He helped ease an economic depression during the Panic of 1907

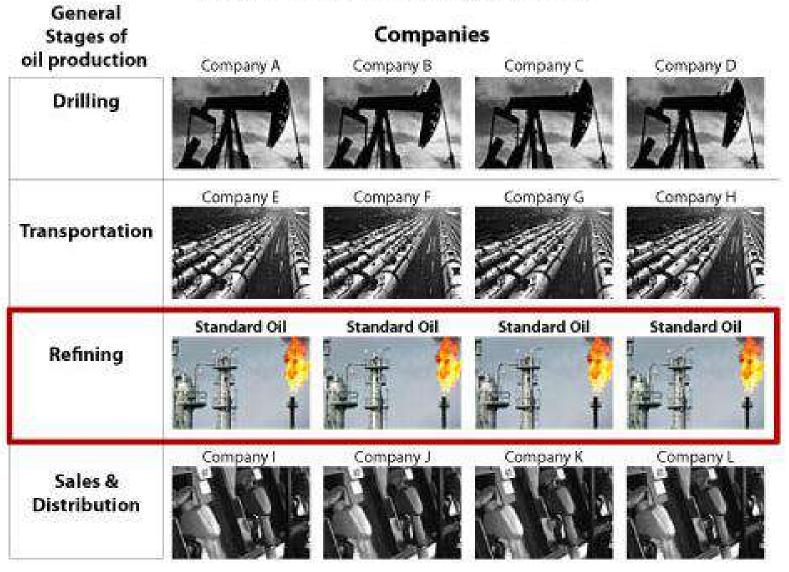
JP Morgan (3.08)

Corporations used mergers to increase profits



Companies like Standard Oil used <u>horizontal integration</u> to buy similar companies to reduce competition

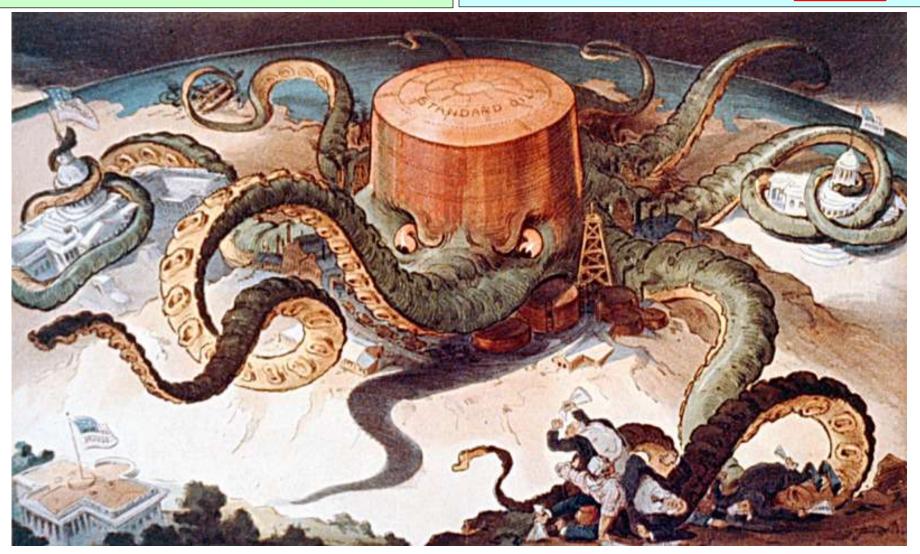
Horizontal Integration



Companies like Carnegie Steel used vertical integration to buy companies in order to gain materials needed to make or deliver their products

Vertical Integration General Companies Stages of steel production Company A **Carnegie Steel** Company C Company B Mining **Carnegie Steel** Company D Company E Company F Transportation Company G **Carnegie Steel** Company H Company I Smelting Company J **Carnegie Steel** Company K Company L Refining & Rolling

Corporate mergers led to giant companies called <u>monopolies</u> that controlled the majority of an industry... Because most monopolies were run by boards of trustees, monopolies became known as "trusts"



Monopolists justified their wealth in a variety of ways

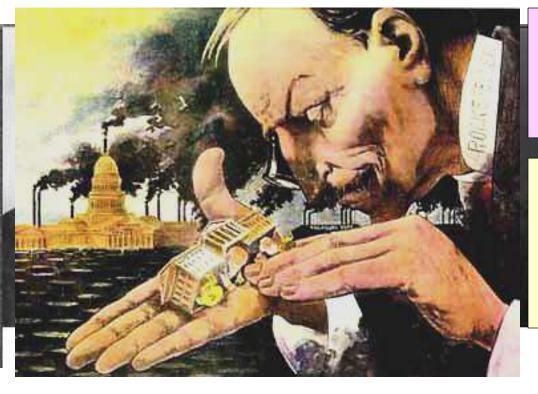
The "Gospel of Wealth" argued that it is God's will for some men to gain great wealth so they could serve the public Social Darwinism taught that natural competition weeds out the weak and allows the strong to survive

The government used <u>laissez faire</u> policies toward big business...

...the lack of regulation allowed businesses to become very powerful and exploitive

Andrew Carnegie

J Pierpont Morgan



Conclusions

America was changed by the Industrial Revolution:

- The United States led the world in industry, innovation, and wealth
- Laissez-faire gov't policies and new business tactics led to monopolies
- But the gap between the wealthy monopolists and their poor immigrant workers grew wider

Were the industrial capitalists of the Gilded Age "robber barons" or "captains of industry"? Weigh their positive and negative effects

