

The Rise of Business, Industry and Labor in the United States

	North-	South-
Industries		
Railroads		
Land Use and Agriculture		



Three Factors of Production = INDUSTRIALIZATION

Land	Labor	Capital

Inventions → improved transportation and communication!

Examples:

List THREE of the most important inventions of this time period and explain HOW it impacted culture:

- 1)
- 2)
- 3)

Railroads *Most important factor in the growth of industry*

Standardization:

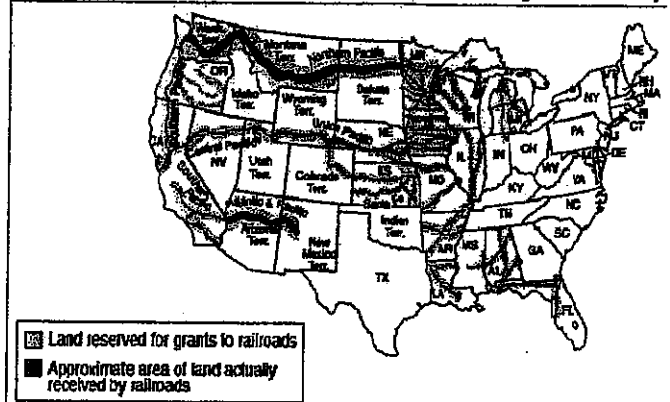
Good for Industry:

Consolidation:

Time Zones:

Federal Land Grants to Railroads as of 1871

Besides land, the government provided loans of \$16,000 for each mile built on level land, \$32,000 for each mile built on hilly terrain, and \$48,000 for each mile in high mountain country.

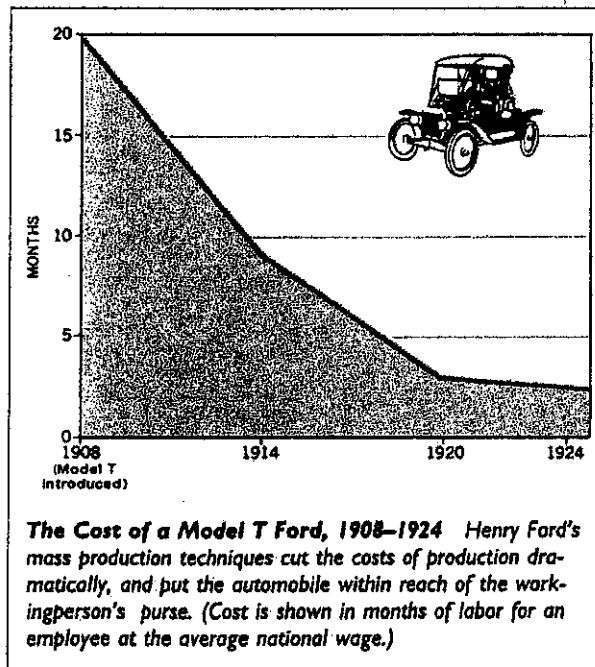


Source: Robert A. Divine et al., *America Past and Present*, Scott, Foresman and Company, 1987 (adapted)

Some Late 19th Century Inventions That Changed American Life

DATE	INVENTION	IMPACT ON CULTURE
1857	passenger elevator	multi-story buildings could be built and by 1885 the first skyscraper was built in Chicago; escalators followed in 1891
1867	barbed wire	allowed farmers to fence in the formerly open prairies
1873	Levi Strauss creates blue jeans, known as "Levi's"	heavy duty farm clothing was quickly successful and continued into the twenty-first century as a fashion garment
1874	first structural steel bridge	steel from the Carnegie Mills used in a triple arch design that spanned the Mississippi River at St. Louis, opened the way for other bridges
1876	telephone	increased speed and ease of communication for business, political, and social needs, aided in organization for farm groups and others
1879	earliest incandescent lights	before the end of the century, offices, homes, factories, and farms were affected by availability of longer hours of light
1892	first gas powered car and first gas powered tractor	earliest efforts at "horseless carriages" and farm equipment without animal helped spur further

Length of Time an Average American Employee Must Work to Purchase a Car



Source: Bailey and Kennedy, *The American Pageant*, D.C. Heath and Company, 1987

1 According to Bailey and Kennedy, how did Henry Ford's mass production techniques influence the cost of the automobile? [1]

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