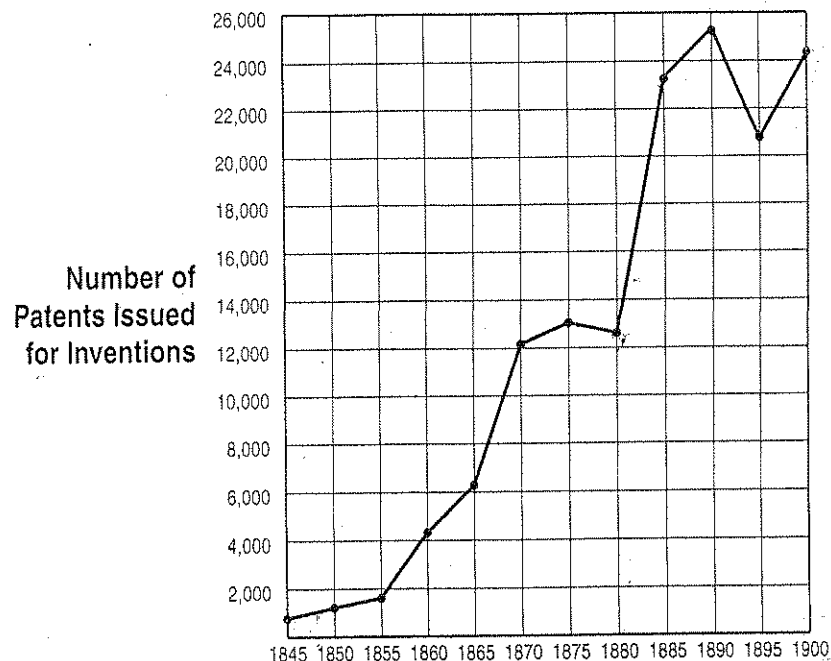
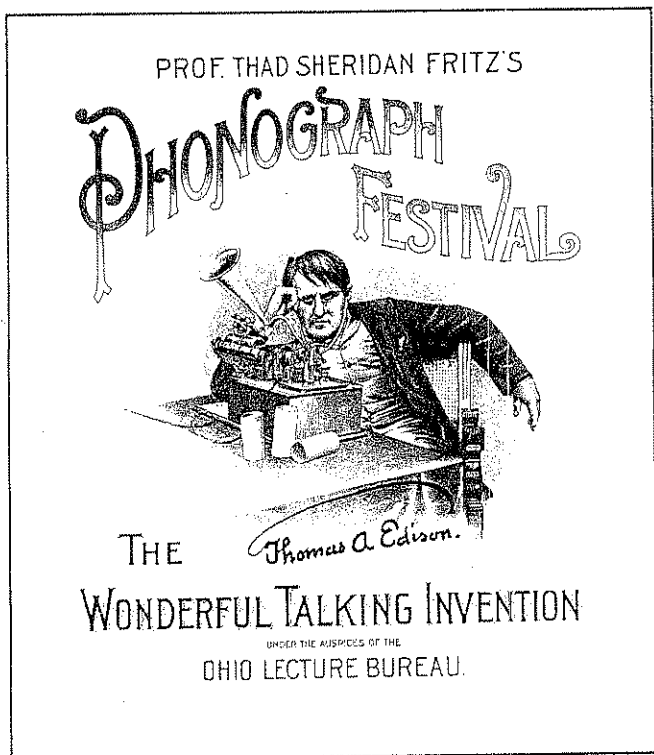
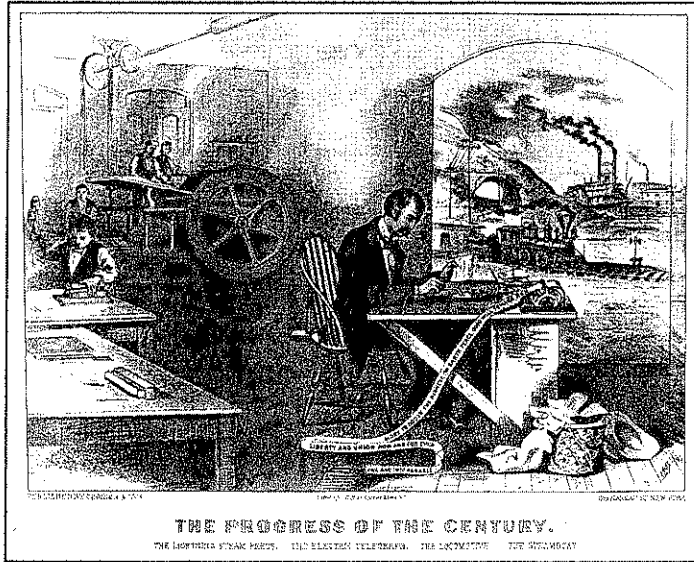


## Patents Issued for Inventions, 1845-1900

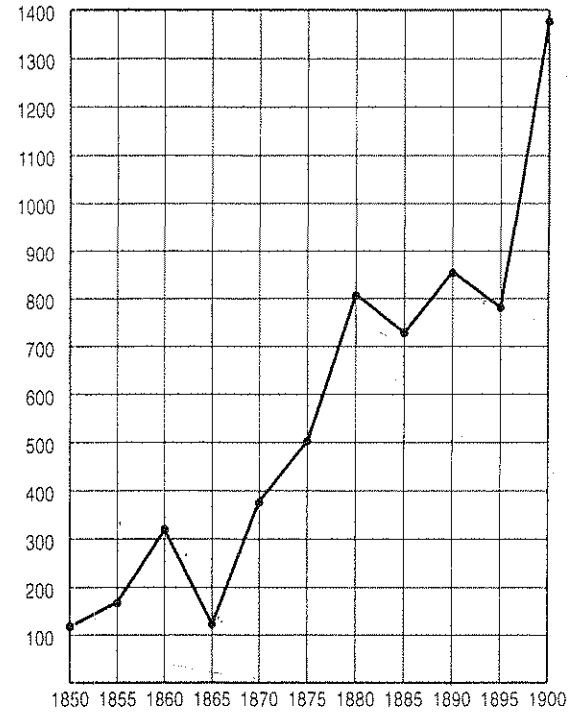


- Approximately how many patents were issued in 1845? In 1880? In 1900?
- What was the overall trend in patents issued between 1845 and 1900?
- Why do you think the trend in the number of patents issued was so important to the rise of industrialism?

# Total Value of Exports from the United States, 1850-1900

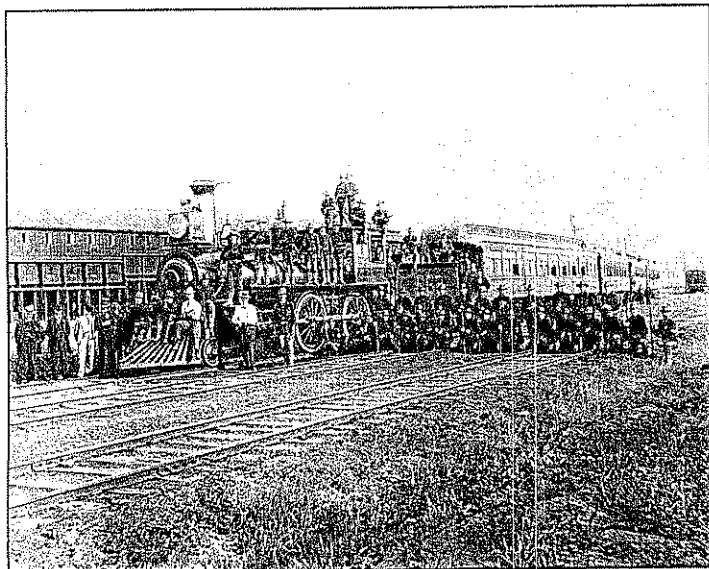


Value of Exports in Millions of Dollars

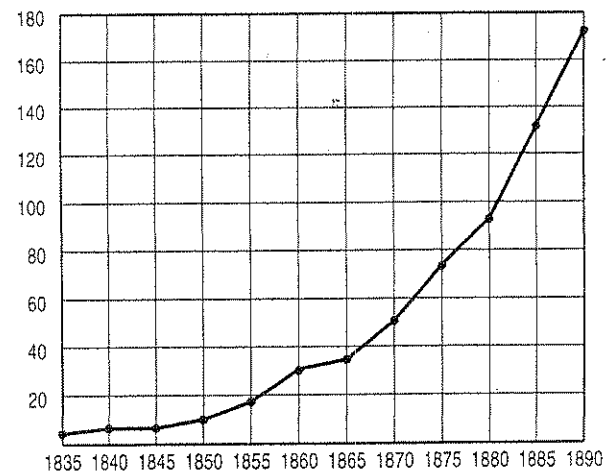


- What does the horizontal axis show? The vertical axis?
- In how many periods did the value of exports decline? Name those periods.
- What was the overall trend in the value of exports between 1850 and 1900? What does the picture suggest were some of the factors that contributed to this trend?

## Miles of Railroad Track in Operation, 1835-1890

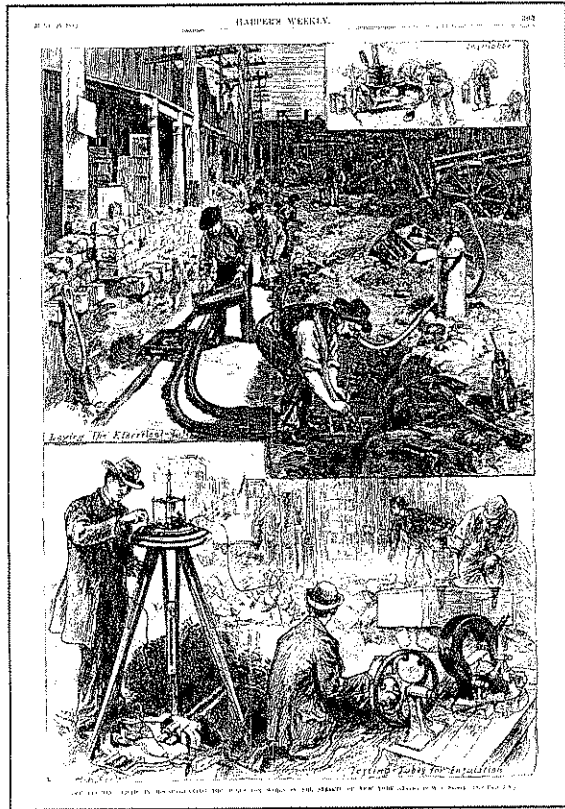


Railroad Track  
in Operation  
in Thousands  
of Miles

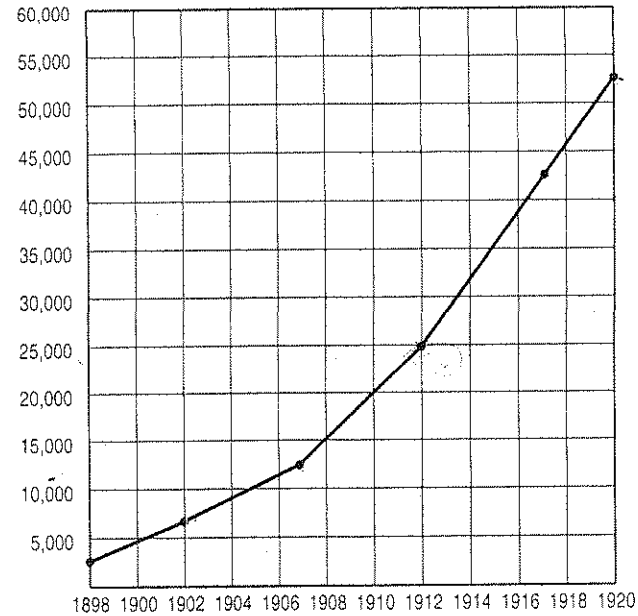


- What does the horizontal axis show? The vertical axis?
- Look at the indicator line and describe the trend in miles of railroad track operated.
- How do you think the expansion of railroads contributed to the rise of industrialism?

# Use of Electric Energy, 1898-1920

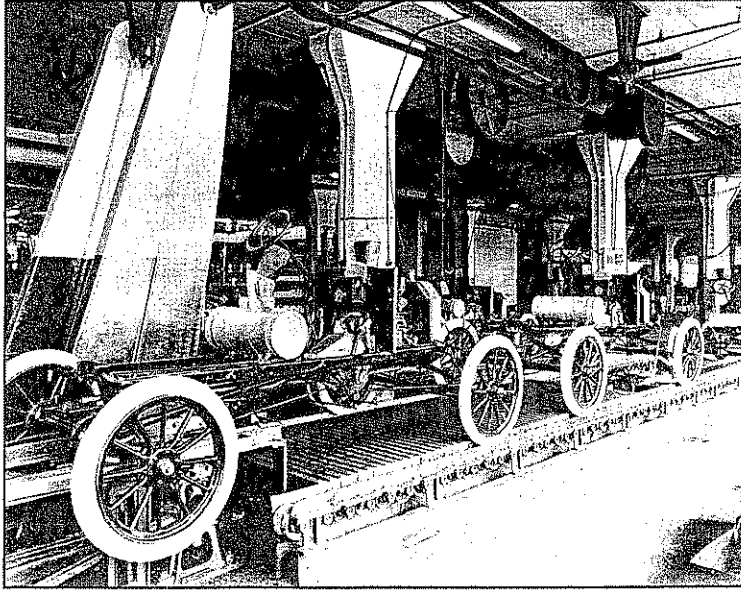


Total Electric Energy Used in Millions of Kilowatt-Hours

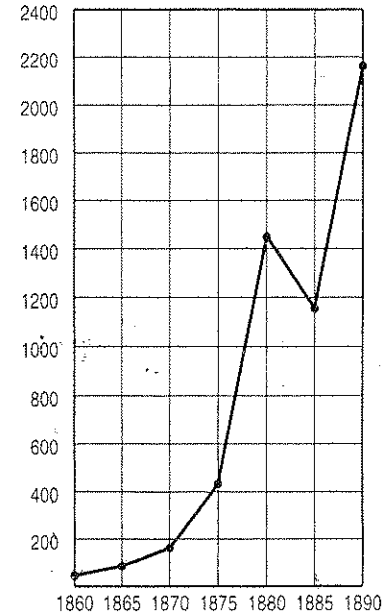


- Approximately how many total kilowatt-hours of electric energy were used in 1902?  
In 1920?
- In what year did the amount of electricity used reach 25 billion kilowatt-hours?
- The first electric power station was installed in 1882 in New York. In this picture of New York, what important uses of electricity do you see? How do you think the use of electric energy changed city life?

## Total Raw Steel Produced, 1860-1890

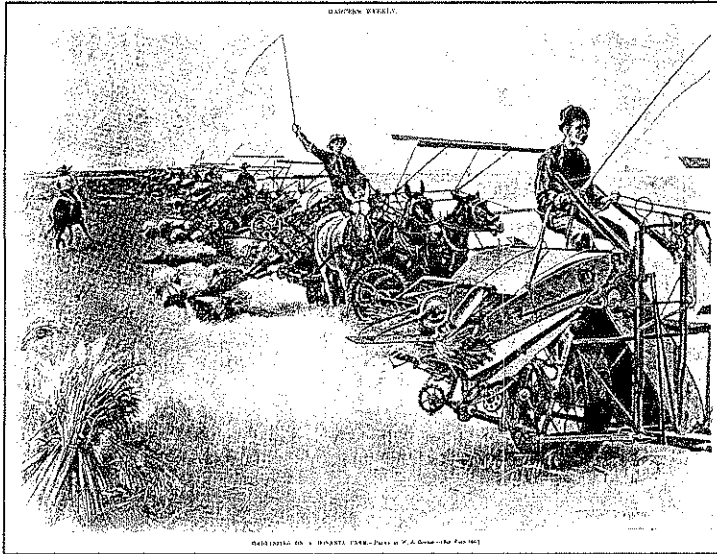


Tons of Steel  
Produced in  
Thousands

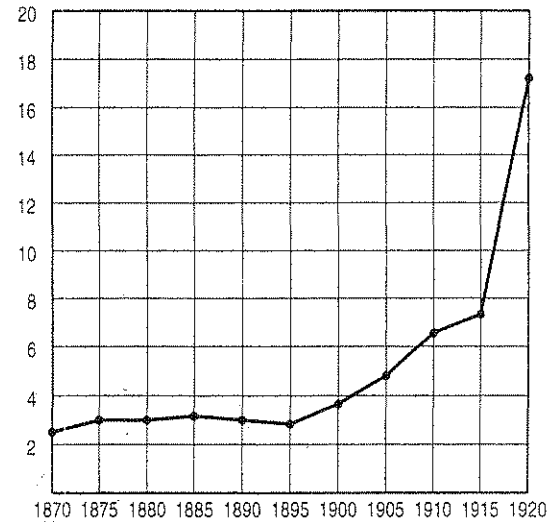


- A. In what years were one million or more tons of steel produced?
- B. Approximately how many more tons of steel were produced in 1885 than in 1865?
- C. Look carefully at both the photograph and the line graph. How did steel production contribute to the growth of other key industries in this time period?

## Farm Income, 1870-1920

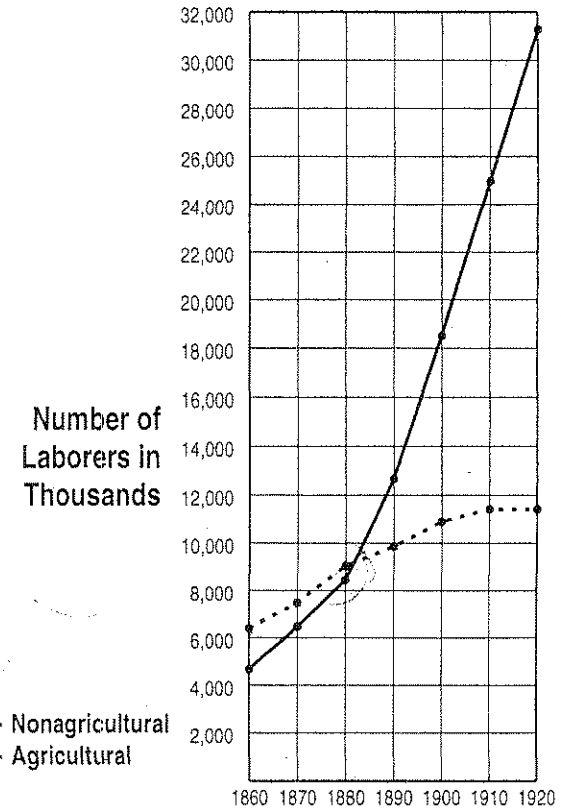
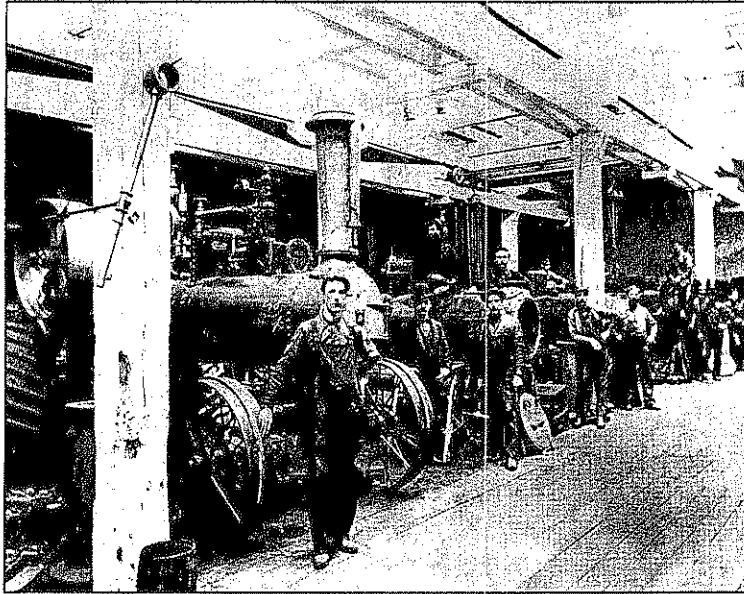


Farm Income  
in Billions of  
Dollars



- What is the total number of years represented on the horizontal axis?
- The indicator line shows two basic trends in farm income. In what period did farm income remain steady? In what period did farm income constantly increase?
- Look carefully at the picture above. In what ways do you think new technology affected farm income after 1895?

## Total Number of Workers, 1860-1920

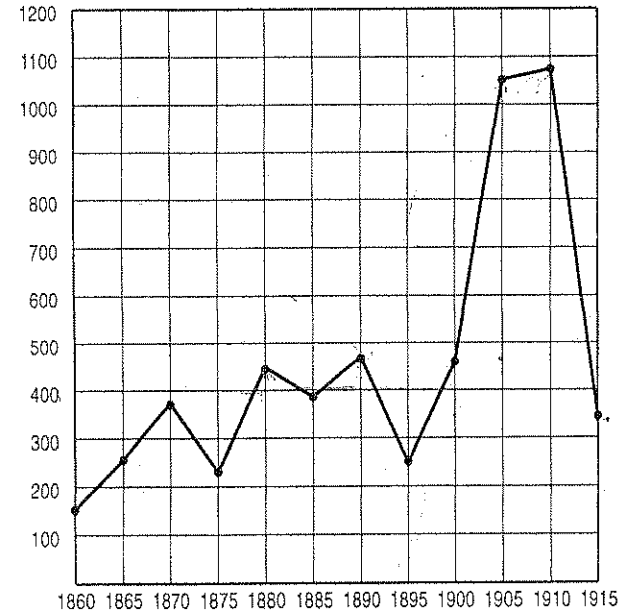


- In what year were the numbers of workers in agricultural and nonagricultural jobs the closest?
- List the years in which the number of laborers in agricultural jobs was greater than the number in nonagricultural jobs.
- Which type of workers are pictured in the photograph? Describe how the line graph reveals their importance to the U.S. economy.

# Immigration to the United States, 1860-1915



Number of Immigrants in Thousands



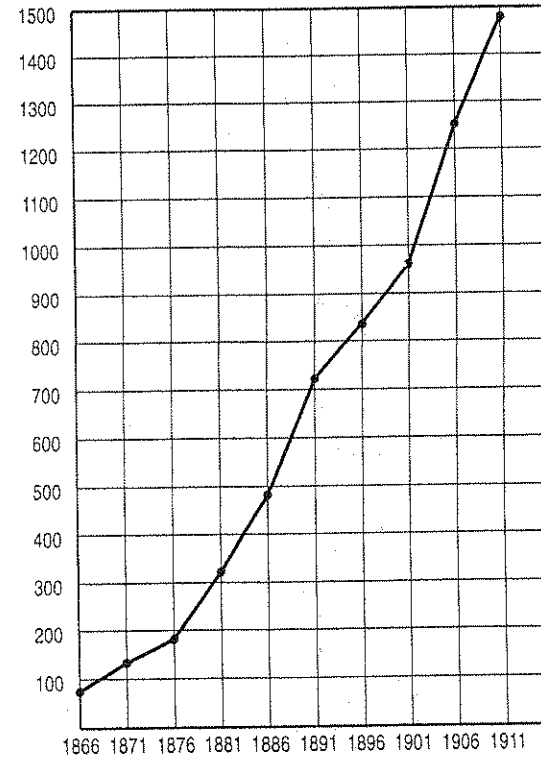
- A. List the years in which more than 400,000 immigrants came to the United States.
- B. In which five-year period did immigration increase the most? Decrease the most?
- C. What does this graph reveal about immigration patterns during these years?



## Miles of Telegraph Wire Installed, 1866-1911

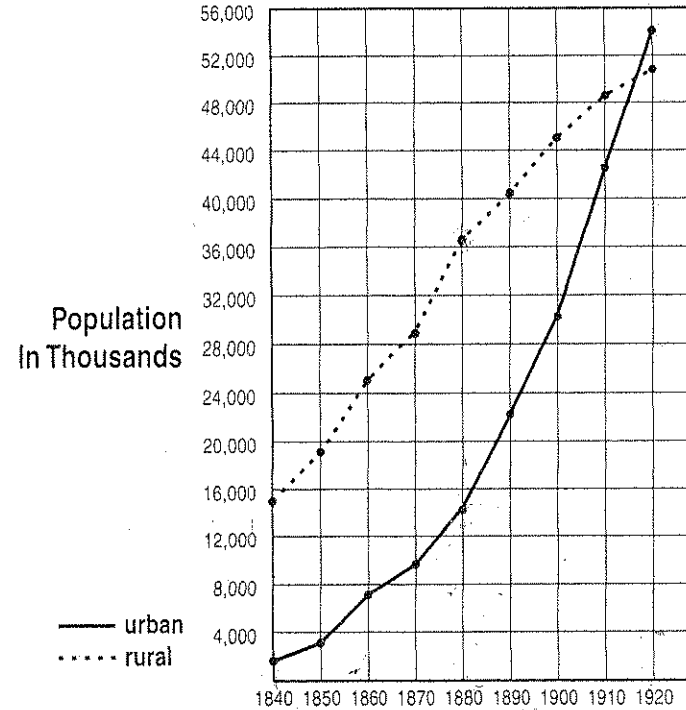


Miles of Wire  
In Thousands



- Approximately how many miles of telegraph wire were installed in 1896?
- In which five-year period did the amount of telegraph wire installed increase the most?
- Notice the train at the base of the telegraph poles. How do you think the expansion of railroads and the expansion of telegraph services affect each other?

## Population in Urban and Rural Territory, 1840-1920



- A. In 1880, approximately what was the rural population? Urban population?
- B. Between the years 1840 and 1920 did the rural or the urban population increase more?
- C. What does this graph reveal about changing population patterns during these years?