

Inventions!

Steel

Bessemer Process- a new way of creating steel by removing impurities in iron with blasts of air (1856)

- Allowed steel to be mass manufactured cheaply and quickly

What changes now that steel can be mass produced?

What does it do to the price of steel?

Brooklyn Bridge- example of what can be accomplished now that we have steel

Steel



Transatlantic cable

An undersea cable running under the Atlantic Ocean used for telegraph communications

First message was on August 16, 1858

- Took 17 hours to send, at 2 minutes a character

Telephone

March 10, 1876- Alexander Graham Bell successfully speaks to his assistant through a prototype telephone

- Short range phone, limited to the house

First long distance phone call was in August, 1876 over a distance of 10 miles

Light Bulb

October 14, 1878- Edison files for his first patent for “Improvement in Electric Lights”

Continues to develop the tech and files a specific patent for his lightbulb filament on November 4, 1879

Begins marketing his product commercially in 1880

Assembly Line

December 1, 1913- Henry Ford installs the first assembly line for the Model T

- It starts production on October 7

Reduced production time to 93 minutes

One of his employees saw a “disassembly line” at a slaughterhouse in Chicago

Skyscrapers

First one built in 1884-1885

- 10 story Home Insurance building

Made possible by the mass production of steel

- First all steel framed building built in 1889