

# BECOMING AN INDUSTRIAL SOCIETY

WELCOME TO THE GILDED AGE



# UNDERSTANDING THE TERMS

- **INDUSTRY – THE PROCESS OF MAKING PRODUCTS BY USING MACHINERY AND FACTORIES.**
- **INDUSTRIALIZATION – THE PROCESS IN WHICH A SOCIETY/COUNTRY TRANSFORMS ITSELF FROM AN AGRICULTURAL SOCIETY INTO ONE BASED ON MANUFACTURING.**
  - **MANUAL LABOR IS REPLACED BY MACHINES**
  - **CRAFTSMEN ARE REPLACED BY ASSEMBLY LINES**
- **REVOLUTION – A DRAMATIC CHANGE IN IDEAS OR PRACTICE.**

## A LITTLE REVIEW

THE 1<sup>ST</sup> INDUSTRIAL REVOLUTION  
(EARLY 1800S)

- WHERE DID IT START?
- WHO HELPED SPREAD IT TO THE UNITED STATES?
- WHAT REGION DID MOST INDUSTRY TAKE PLACE?
- WHAT DID THE GOVERNMENT PASS TO PROTECT AND SUPPORT THE GROWTH OF INDUSTRY?
  - HINT – SOUTH HATED BECAUSE IT INCREASED THE PRICES OF IMPORTED GOODS.

# WHAT DOES A COUNTRY NEED TO INDUSTRIALIZE?

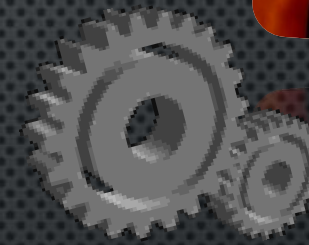
THERE ARE SEVERAL THINGS THAT NEED TO TAKE PLACE WITHIN A COUNTRY OR SOCIETY FOR IT TO INDUSTRIALIZE - THESE ARE CALLED FACTORS OF PRODUCTION.

- **LAND**

- **NATURAL RESOURCES** - CAN YOU NAME SOME NATURAL RESOURCES?

- **LABOR**

- FARMERS MOVED BACK TO THE CITIES TO WORK IN THE FACTORIES
- IMMIGRANTS ARRIVED BY THE MASSES
- **CAPITAL** - ALL THE TOOLS AND EQUIPMENT USED TO PRODUCE GOODS.
- **ENTREPRENEURS** - THE INDIVIDUAL WHO TAKES AN IDEA AND ATTEMPTS TO MAKE AN ECONOMIC PROFIT FROM IT BY COMBINING ALL OTHER FACTORS OF PRODUCTION.



# LET'S REVIEW AND SUMMARIZE!

How did the Civil War and Manifest Destiny help to Industrialize the nation?

	<b>NORTH</b>	<b>SOUTH (THE "NEW SOUTH")</b>
<b>Industries</b>	continued rapid development financed by wartime growth; new interest in overseas markets	began slowly after the war, especially in textile steel production; urban areas needed major reconstruction
<b>Railroads</b>	crucial to the economy; new railroad routes and completion of transcontinental railroad allowed the development of western markets	destroyed during the war; needed to be rebuilt, along with roads and bridges
<b>Land Use &amp; Agriculture</b>	farms began to mechanize and to increase production, providing food for the growing urban areas	plantation economy based on slavery ended; land destroyed by fighting; former slaves competed with destitute whites in search of land; tenant farming and sharecropping began



# HOW DID NEW INVENTIONS HELP CONTRIBUTE TO INDUSTRIALIZATION?

1. HELP THE NATION'S PRODUCTIVITY
2. IMPROVE TRANSPORTATION
3. IMPROVE COMMUNICATION
4. LED TO THE FOUNDING OF CORPORATIONS (BIG BUSINESSES)

ARE THERE ANY INVENTIONS THAT YOU CAN THINK OF THAT WE TALKED ABOUT IN AMERICAN HISTORY THAT WOULD HAVE HELPED LEAD TO INDUSTRIALIZATION?

# INVENTORS AND INVENTIONS

Samuel Morse

- Invented **the Telegraph**

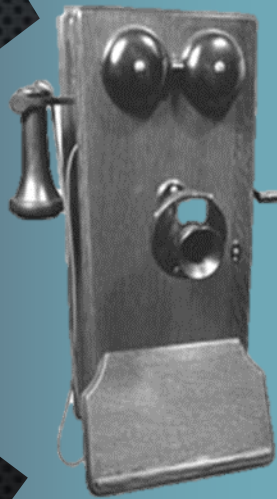
Alexander Graham Bell

- Invented **the Telephone**

CHRISTOPHER LATHAM SHOLES

- INVENTED **THE TYPEWRITER**

ALL OF THESE INVENTIONS **made it possible for individuals and businesses to communicate more easily & on a broader scale than ever before!**



# INVENTORS AND INVENTIONS

- THOMAS EDISON

- INVENTED THE LIGHTBULB
- ENABLED FACTORY WORK TO CONTINUE AFTER SUNSET
- WORKERS KEPT LONGER HOURS; INDUSTRIES PRODUCED MORE GOODS.
- HE ALSO INVENTED AND PRODUCED A SYSTEM FOR PRODUCING AND DISTRIBUTING ELECTRICITY

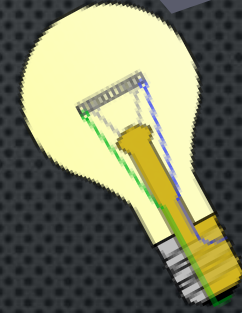
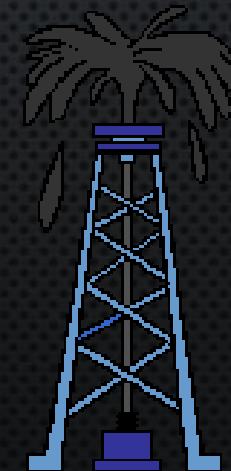


- HENRY BESSEMER

- DEVELOPED A PROCESS USED TO CREATE STEEL; QUICKER THAN PREVIOUS METHODS
- STEEL QUICKLY BECAME ONE OF THE MOST DEMANDED GOODS
- USED FOR RAILROADS, BRIDGES, SKYSCRAPERS

- EDWIN L. DRAKE

- USED THE STEAM ENGINE TO DRILL FOR OIL
- OIL = BLACK GOLD (USED FOR KEROSENE AND GASOLINE)
- STARTED AN OIL BOOM WHICH LED TO THE PETROLEUM INDUSTRY



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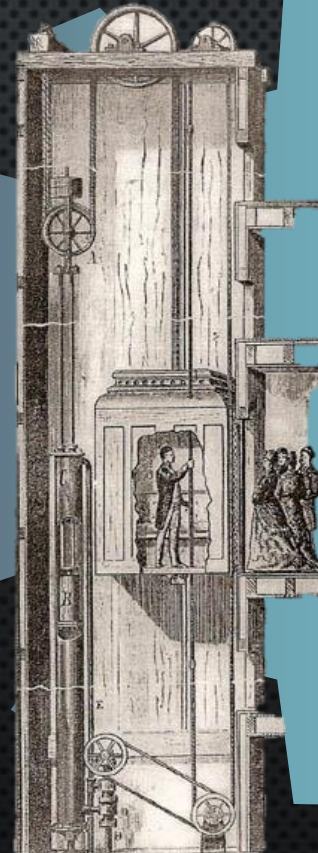


## Elisha Otis

- Invented the Elevator
- Allowed businesses to grow UP and continue to be accessible to workers!

## SKYSCRAPER

- Tall, Steel Buildings
- Made possible due to the invention of the Elevator and the Bessemer process







# LET'S REVIEW AND SUMMARIZE!

How did inventors and these new inventions help lead to industrialization?