

THE POWER OF PATENTS

Ten Patents That Changed The World

U.S. Patent System

- ◆ U.S. Constitution Article I, Section 8
 - ◆ "... promote the Progress of Science and useful Arts, by securing for Limited Times to Authors and Inventors the Exclusive Right to their Respective Writings and Discoveries."
- ◆ Inception in 1790 (1st Patent - July 31)
 - ◆ Provides Incentive For Creativity
 - ◆ Promotes Advancement Of Commerce & Industry
- ◆ 1985 Court Case
 - ◆ Infringement Of Instant Camera Rights
 - ◆ Eastman Kodak Co. & Polaroid Co.
 - ◆ 1990 - Kodak Assessed \$900 Million Penalty

U.S. Patent System

- ◆ Storied Old Days
 - ◆ Invented Something In Attic Or Basement
 - ◆ Got A Patent On It, Began Building It & Selling It
 - ◆ Made A Pile Of Money, All Pretty Much Alone
- ◆ Modern Days
 - ◆ Salaried Lab Worker
 - ◆ Anonymity Of A Large Corporation
- ◆ Few People Make It Big Today
 - ◆ Steve Wozniak (Apple)
 - ◆ Edwin Land (Polaroid)
 - ◆ William Hewlett & David Packard

U.S. Patent System

- ◆ Forefathers
 - ◆ Not Committed To Individual Rights
 - ◆ Dead Set Against Monopolies
- ◆ Patent
 - ◆ Gives Inventors Monopoly For A Period Of Years
 - **17 Years**
 - ◆ Required Inventors To Disclose The Workings Of their Inventions Publicly For The Well-Being Of Society
 - ◆ Patent Holders Could Market Product, Lease Patent Rights, Sell Patent Rights, Or Sit On It

U.S. Patent System

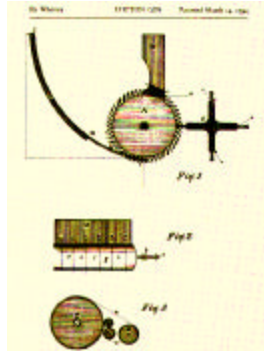
- ◆ Industrial Revolution Of 19th Century
 - ◆ Proliferation Of Complex Technologies
 - ◆ Growth Of Powerful Corporations
 - **Controlled New Technologies**
- ◆ Famous Inventors
 - **Cyrus McCormick (Reaper)**
 - **Samuel F.B. Morse (Telegraph)**
 - **Charles Goodyear (Vulcanized Rubber)**
 - **Thomas Alva Edison (1093 Patents)**
 - **Henry Bessemer (Steel Process) - 1856**
 - **George Westinghouse, Jr. (Air Brakes) - 1869**
 - **Walter Hunt (Safety Pin)**
 - **Abraham Lincoln (Type Measure)**

Ten Patents That Changed The World

- | | |
|------------------|---------------|
| ◆ Cotton Gin | ◆ Machine Gun |
| ◆ Sewing Machine | ◆ Automobile |
| ◆ Barbed Wire | ◆ Aeroplane |
| ◆ Telephone | ◆ Xerography |
| ◆ Light Bulb | ◆ Transistor |

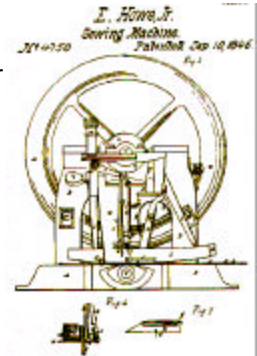
Cotton Gin

- ◆ Eli Whitney
- ◆ Patent - 1794
- ◆ Took Seeds Out Of Cotton
- ◆ Made Cotton King
- ◆ Made Slavery Profitable
- ◆ Led To Civil War



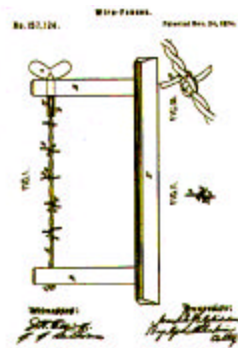
Sewing Machine

- ◆ Elias Howe & Isaac Singer
- ◆ Patent - 1846
- ◆ No. 4,750
- ◆ Industrialized Clothes Making
- ◆ Built Garment Industry
- ◆ Created First Patent Pool
- ◆ First Millionaire Inventors



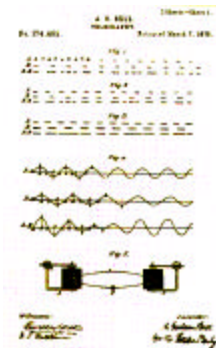
Barbed Wire

- ◆ Joseph Glidden
- ◆ Patent - 1874
- ◆ No. 157,124
- ◆ Wood Fences Impractical For The Big Treeless Plains
- ◆ Ranchers Could Divide Up Range
- ◆ 173,00 Tons A Year Sold



Telephone

- ◆ Alexander Graham Bell
- ◆ Patent - 1876
- ◆ No. 174,465
- ◆ J.P. Morgan - Non-profitable Invention
- ◆ Created AT&T
 - ◆ World's Largest Company
 - ◆ Controlled All Telecommunications
 - ◆ Federal Antitrust Suit - 1984



Light Bulb

- ◆ Thomas Alva Edison
- ◆ Patent - 1880
- ◆ No. 223,898
- ◆ Symbolized Inspiration & Invention
- ◆ Became Important When Power Distribution Network Was Established

