



Create a list of the top ten BEST inventions.

Be prepared to explain your answer.

Guess Who?

What do these people have in common?

◆ Alexander Graham Bell *telephone*



◆ Thomas Edison *light bulb*



◆ Lewis Waterman *fountain pen*



◆ James Ritty *cash register*



◆ Jan Matzeliger *shoemaking machine*



What did each do?



NYC - 1895

Inventions and Innovations



Safety Razor with
removable blade 1895



Motor Powered Vacuum
Cleaner 1908



Brooklyn Bridge 1869

Phonograph 1877



Airplane 1903



Assembly line 1913



Ferris Wheel 1893

1886



LE SPORT A LA MODE

LES PATINS
A ROULETTES
EXTENSIBLES



Adresser Commandes
et Mandats
à L'EPATANT
5, Rue de Roissy, Paris

*Nos prix s'entendent
franco de port et d'emballage.*

Pour enfants, roues fer. <i>La paire</i>	5 95
Pour hommes, dames et jeunes gens, roues acier. <i>La paire</i>	9 75
Pour hommes, dames et jeunes gens, roulement à billes roues acier....	18 D



Inventions Change the Nation

The Patent Office had never seen a year like 1897. An average of 60 patents were being granted everyday. By years end, Americans had registered some 21,000 patents. This was more than the total recorded in the entire 1850's.

Patent – license for a new invention



NOW... Work in
groups to discover your
new idea to patent!





[http://www.livescience.com/topics/invention/
msn.com](http://www.livescience.com/topics/invention/msn.com)

Shark Tank

2015 Invention awards

[http://money.cnn.com/gallery/technology/2015/08/18/
coolest-inventions-2015/](http://money.cnn.com/gallery/technology/2015/08/18/coolest-inventions-2015/)

apple



HOMEWORK:

Interview a family member

- What is the best invention of all time?
- What invention has most impacted your life?
- Discuss changes from when they were “your age.”

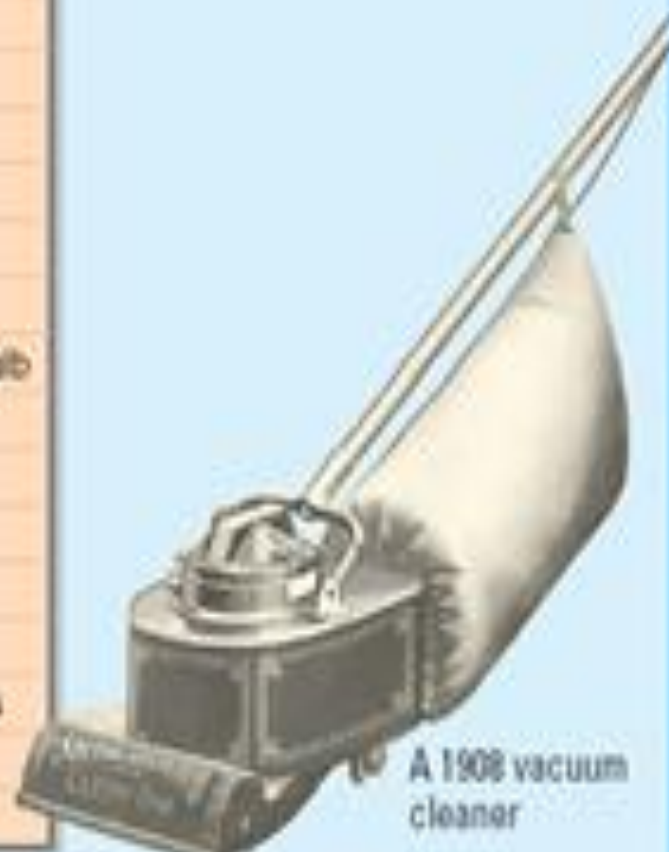


Total Recall
30 Seconds
List
inventions of
the time.



HW

INVENTOR	DATE	INVENTION
Elisha Otis	1852	Passenger elevator brake
George Pullman	1864	Sleeping car
George Westinghouse	1869	Air brake
Elijah McCoy	1872	Automatic engine-oiling machine
Andrew S. Hallidie	1873	Cable streetcar
Stephen Dudley Field	1874	Electric streetcar
Alexander Graham Bell	1876	Telephone
Thomas Alva Edison	1877	Phonograph
Anna Baldwin	1878	Milking machine
Thomas Alva Edison	1879	First practical incandescent light bulb
James Ritty	1879	Cash register
Jan E. Matzeliger	1883	Shoemaking machine
Lewis E. Waterman	1884	Fountain pen
Granville T. Woods	1887	Automatic air brake
Charles and J. Frank Duryea	1893	Gasoline-powered car
King C. Gillette	1895	Safety razor with throwaway blades
John Thurman	1899	Motor-driven vacuum cleaner
Leo H. Baekeland	1909	Improved plastic



A 1908 vacuum cleaner

New Inventions transformed daily life in the United States. They also helped the American economy grow.

Who needs that !?!?

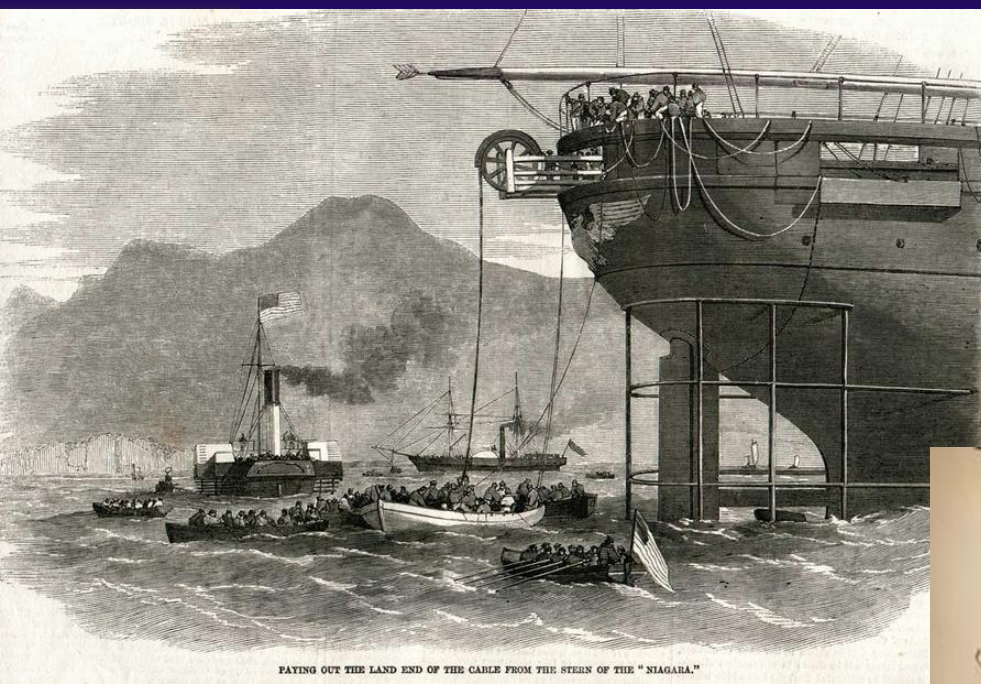
- **The Wright brother's** experiment with the “flying machine.” Surprising, people were not too interested at first. It was the United States military that first recognized a practical use for their new discovery.
- **Cyrus Field** laid an underwater cable that transmitted telegraph messages from North America to Europe. This led to **A.G. Bell's** discovery of the “talking machine” which we call the telephone; another “toy” invention that was followed by 587 lawsuits.



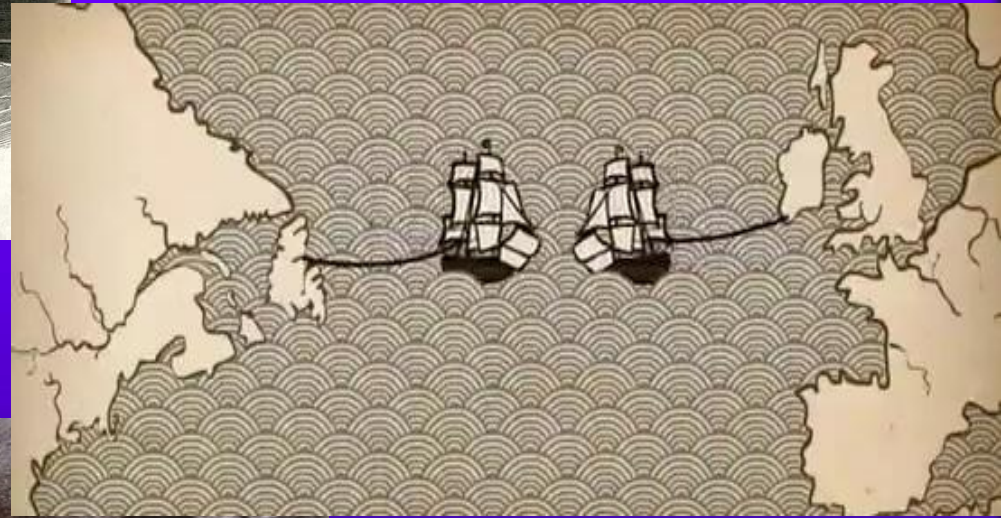


1858 map of Atlantic Telegraph Cable

**The first laying of the cable was made in
1857**

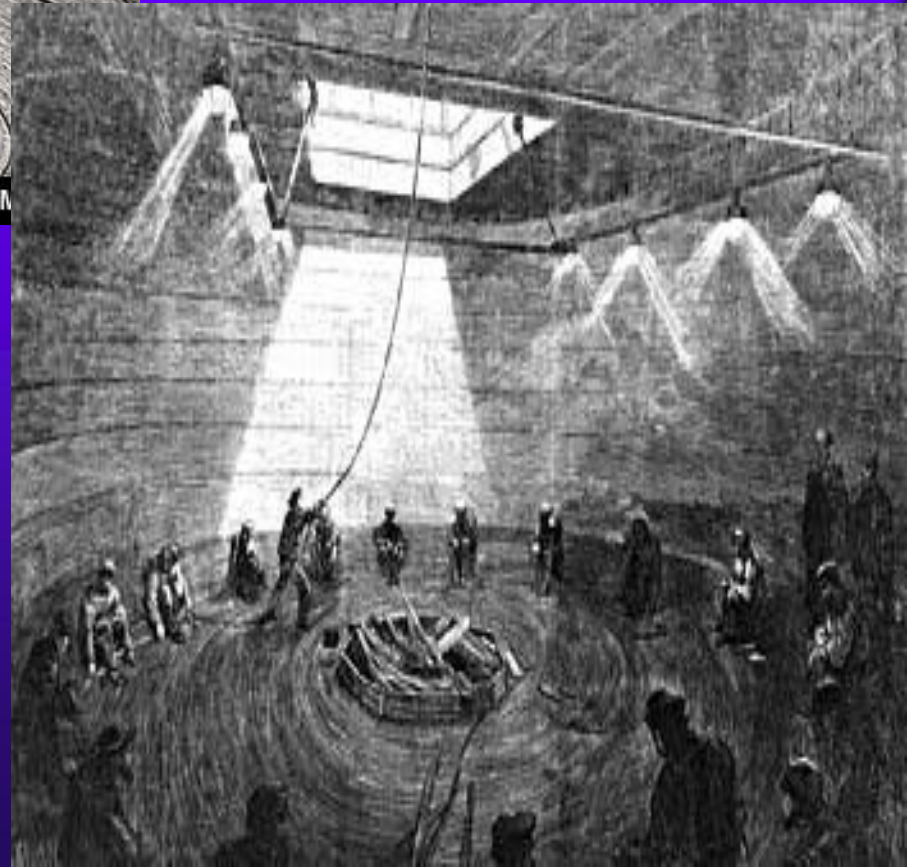


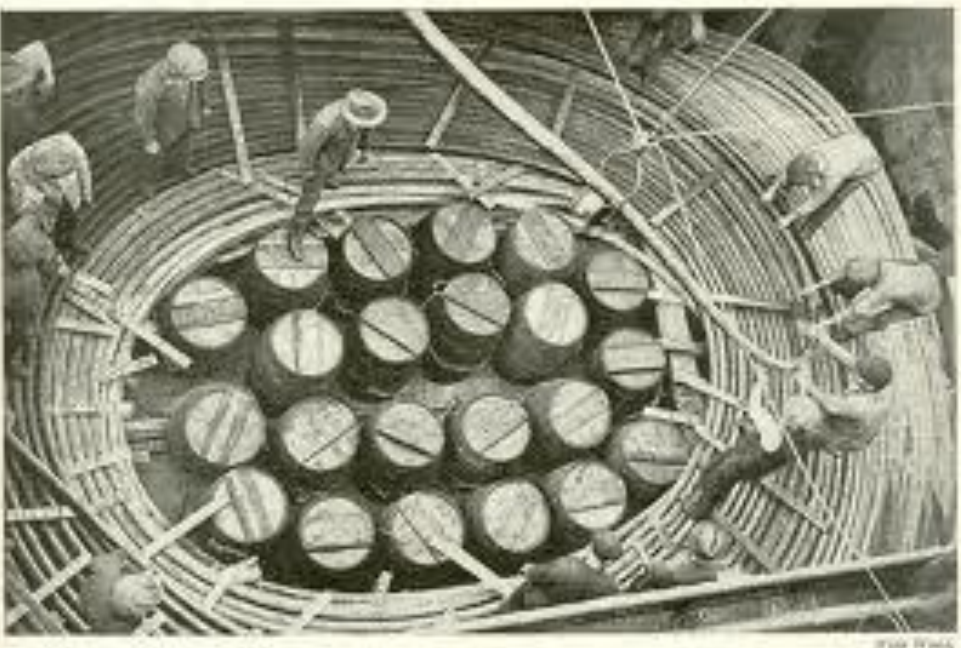
PAYING OUT THE LAND END OF THE CABLE FROM THE STERN OF THE "NIAGARA."





The TAT-1 Cable used for the transatlantic cable system on board the HMTS M





Henry Ford revolutionized automobile production with the assembly line. This made it possible for millions of Americans to afford cars.




1901 NY
Individual



1903 Mass
State

Other important inventions such as the telegraph, the transatlantic telegraph cable, and the telephone were important to businesses after 1850 because they filled a need that other inventions of the day could not. Businesses that thrived on shipping overseas really benefited.





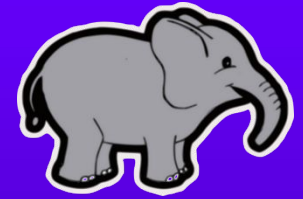
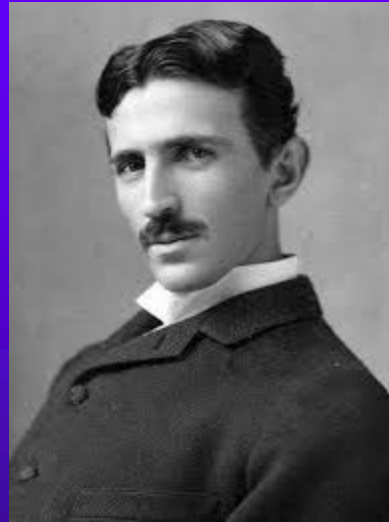
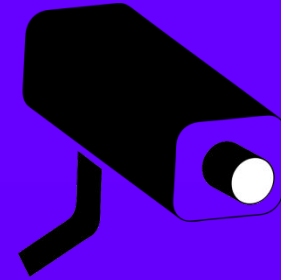
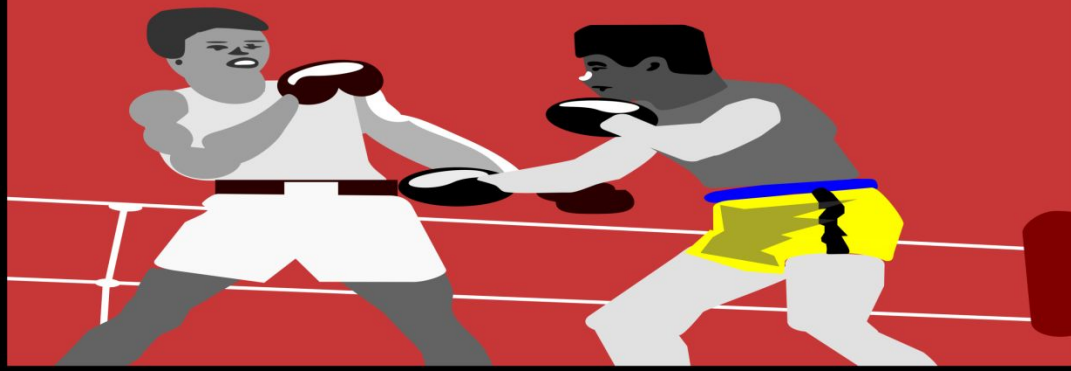
- **Thomas Alva Edison** was the master of many inventions: motion picture projector, electric power plant, phonograph, incandescent light bulb. He became known as the “Wizard of Menlo Park” because he systemized the process of creating inventions.

"If we did all the things we are capable of, we would literally astound ourselves"

-Thomas A. Edison

Take The Edison

Test What's it like to work there?



Edison

Vs.

Tesla

<http://www.livescience.com/46739-tesla-vs-edison-comparison.html>