

Women inventors

Презентация урока на тему ”Женщины-изобретатели” подготовлена учителем английского языка МОУ СОШ № 27 г. Мытищи Московской области Копташкиной Н.В.

What is an invention?

By definition, **an invention** is a new and useful machine or piece of work. Inventions can change the way you live. Many inventions started as flaws, but with time they improved and gave way to other inventions and discoveries. These inventions have given people a new world to live in.



Invention Timeline

- For each time period indicated below, name the invention that was created during that time period which had the greatest impact on you.

1900 _____

1920 _____

1940 _____

1960 _____

1980 _____

Inventions Vocabulary List & Definitions

- Patent - a government grant to an inventor, giving for a specified period the exclusive right to make, use, or sell an invented device, process, or the like.
- The windshield or windscreen of an aircraft, car, bus, motorbike or tram is the front window.
- A windscreen wiper or windshield wiper is a device used to remove rain and snow from a windshield.

Inventions Vocabulary List & Definitions

- Artisan - a person skilled in making things, esp. with the hands; craftsman.
- Safety pin is an object commonly used to fasten clothing together.
- Posterity - all generations to come.

Which of these items were invented by women?



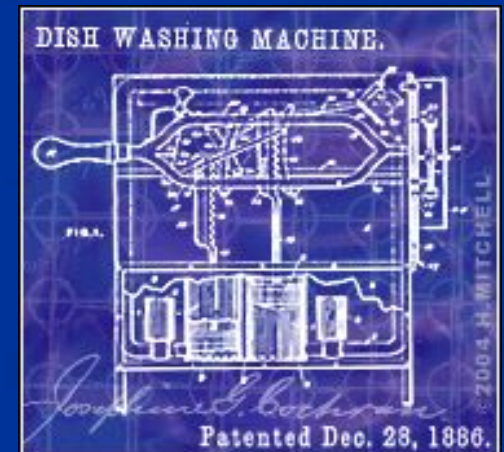
A dishwasher?



YES

Josephine Cochrane (1839-1913)

- She constructed wire compartments to fit plates and cups, and placed these inside a wheel that lied flat within a copper boiler. The wheel turned, powered by a motor, and soapy water squirted up over the dishes to clean them. In 1886, she patented her design. Soon restaurants and hotels became interested in it and made orders.



Safety Pin?



NO

Safety Pin



- The modern safety pin was the invention of an American mechanic and artisan Walter Hunt (1796 – 1859).

Windshield wipers?



YES

Mary Anderson (1866-1953)

- Mary Anderson was granted her first patent for a window cleaning device in November of 1903. Her invention could clean snow, rain, or sleet from a windshield by using a handle inside the car. Her goal was to improve driver vision during stormy weather - Mary Anderson invented the windshield wiper.
- The windshield wipers became standard equipment on all American cars by 1916.



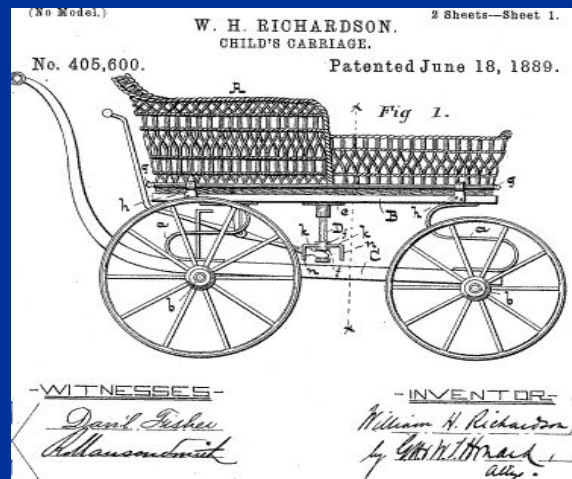
The baby carriage?



NO

The baby carriage

The baby carriage was invented in 1733 by English architect William Kent for the 3rd Duke of Devonshire's children. William H. Richardson patented an improvement to the baby carriage in the United States on June, 18, 1889. You can view U.S. patent # 405,600 below.





Word Formation

Lillian Gilbreth was an 1)..., engineer, and mother of twelve 2) She patented many kitchen appliances including an electric food 3) ..., shelves inside refrigerator doors and the trash can with a pedal lid -opener .

INVENT

CHILD

MIX

Lillian Gilbreth 4) ... one of the first 5) ... to study the effects of stress And lack of sleep on the workers.

BE

SCIENCE

She was an 6)... engineer for General Electric and became the 7) ... women to be elected to the National Academy of Engineering.

INDUSTRY

ONE

CHECK YOUR ANSWERS

- 1 - inventor
- 2 – children
- 3 - mixer
- 4 – was
- 5 – scientists
- 6 - industrial
- 7 – first

Put a mark for yourself.

Follow this gradation.

- 7 correct answers – “5”
- 5-6 correct answers – “4”
- 3-4 correct answers – “3”

A dishwasher: for or against?

Here you can see some discussion phrases.

- - From my point of view...
- – As far as I know...
- – There is no doubt...
- – It is quite obvious/
evident...
- – It goes without saying...
- – May I put a word in?
- – If you ask me...
- - In my opinion...
- – It seems to me...
- – To tell the truth...
- – And what about you?
- – As for me...
- – It just occurred to me...
- – Generally speaking...
- – Strictly speaking...



Hometask: If I Were A

Choose any invention ever developed.

Pretend you are this invention for the remaining questions.

1. Who created you? Where?
2. How do you benefit human life?
3. What would happen if humans could not make any more of you ever?
4. Is there anyone or thing on the Planet that you have negatively affected?



В презентации использованы материалы интернет-ресурсов:

- <http://inventors.about.com>
www.women-inventors.com
www.google.ru