

# Great British Inventions

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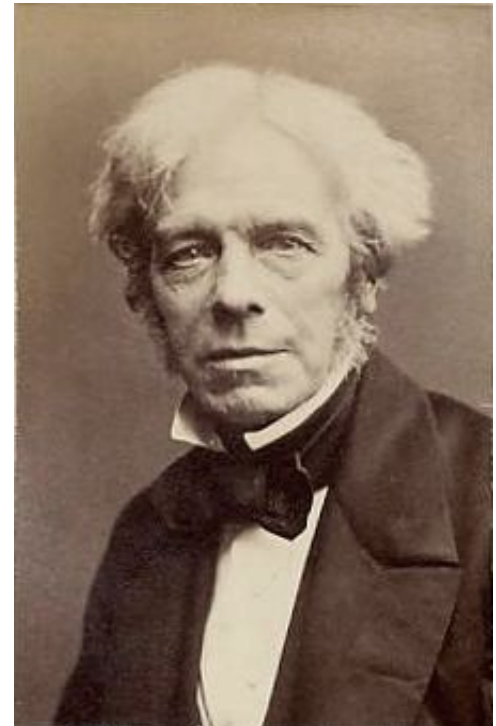
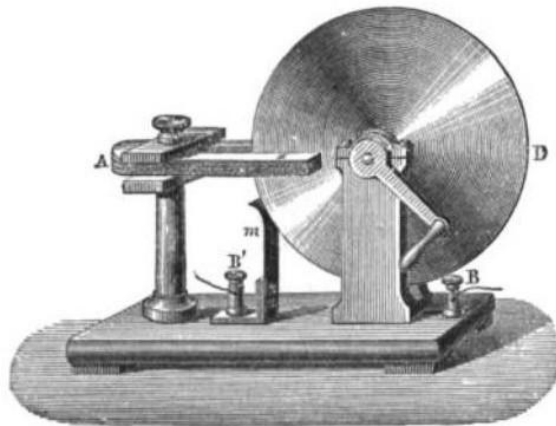


- According to Japanese research 40% of discoveries originated from the United Kingdom

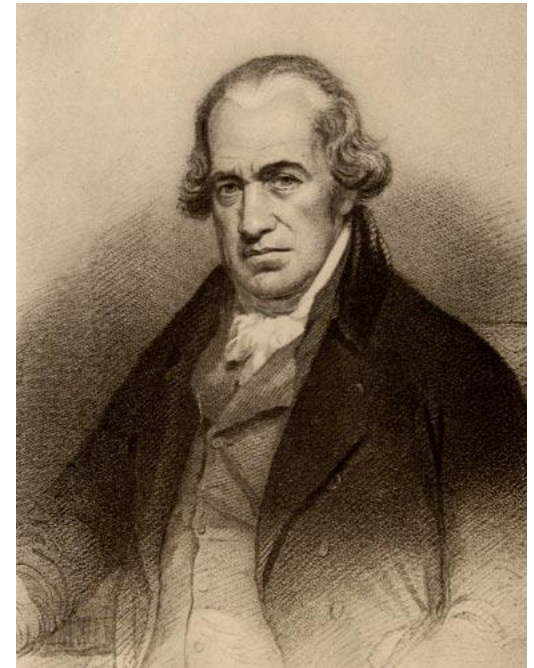
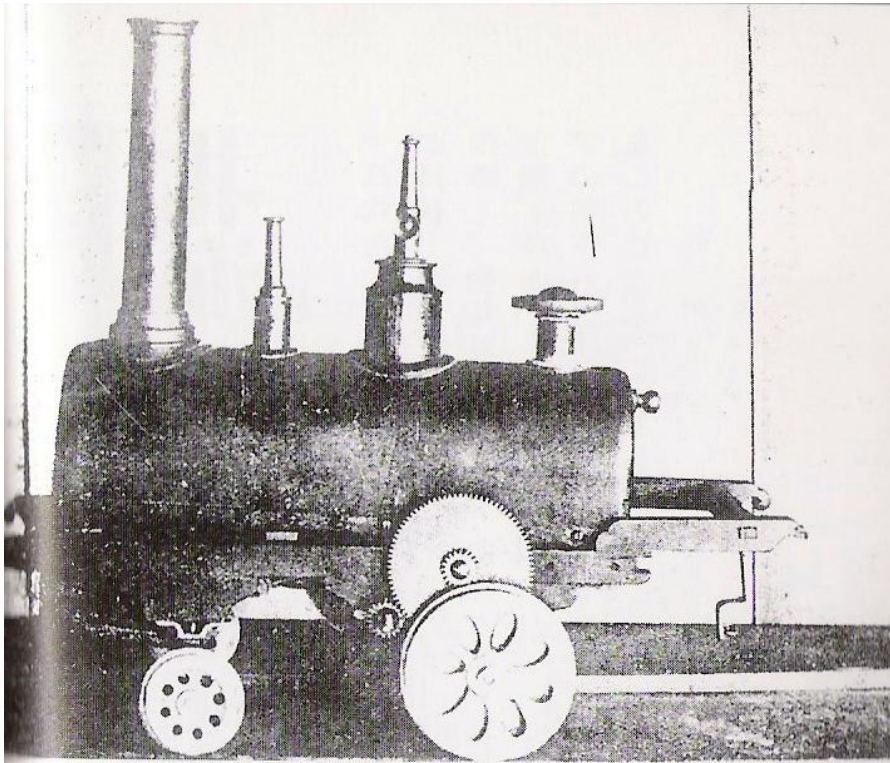


# Many of these British inventions have had an enormous impact on the world

imagine how different life would be today if Michael Faraday had not built the first simple electrical generator

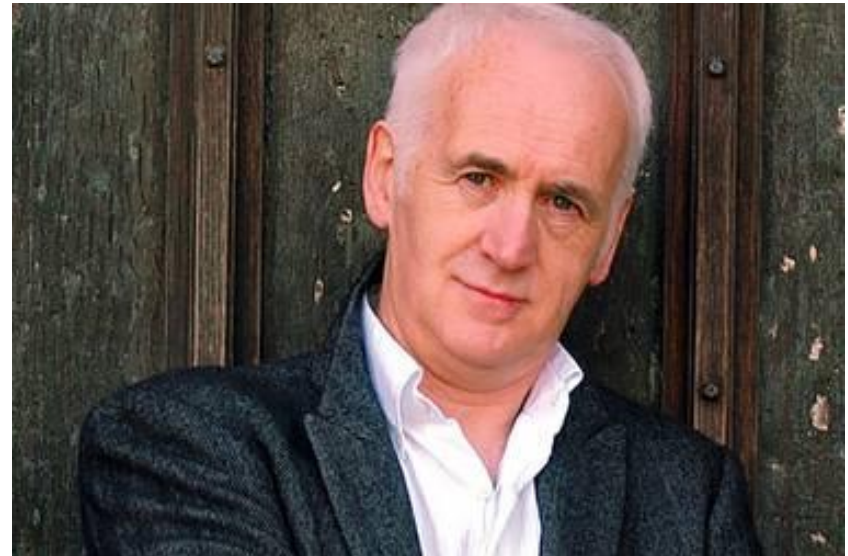


# if James Watt had not developed the steam engine



James Watt

- Leading British author Terry Deary has discovered some other pretty spectacular British 'firsts', some of which have not been traditionally attributed to the British



- 2003 - the Dayton & Montgomery County Public Library celebrated the 100th anniversary of the Wright Brothers invention of the first powered airplane

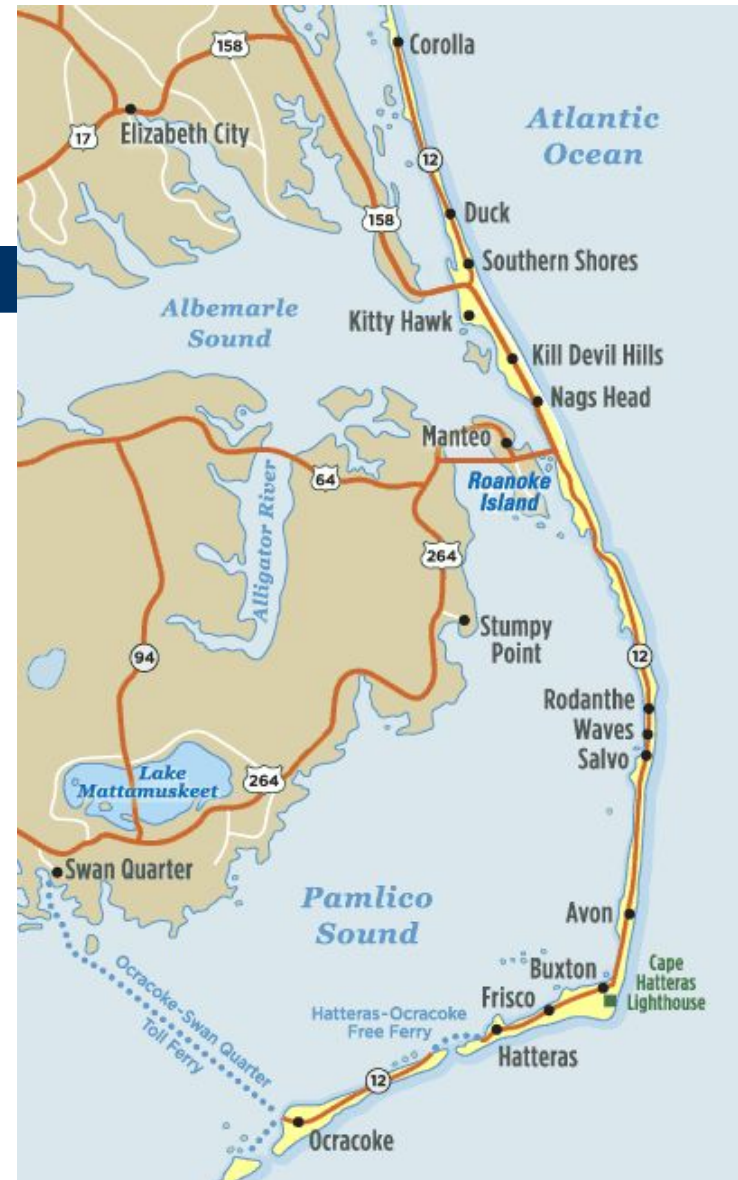


# The first powered airplane

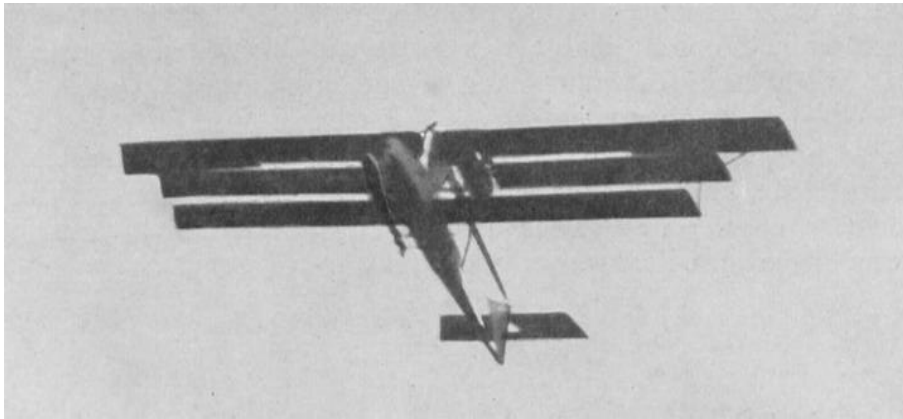


the Wright Brothers

1903 - the first successful flight occurred at Kill Devil Hills in Kittyhawk, North Carolina

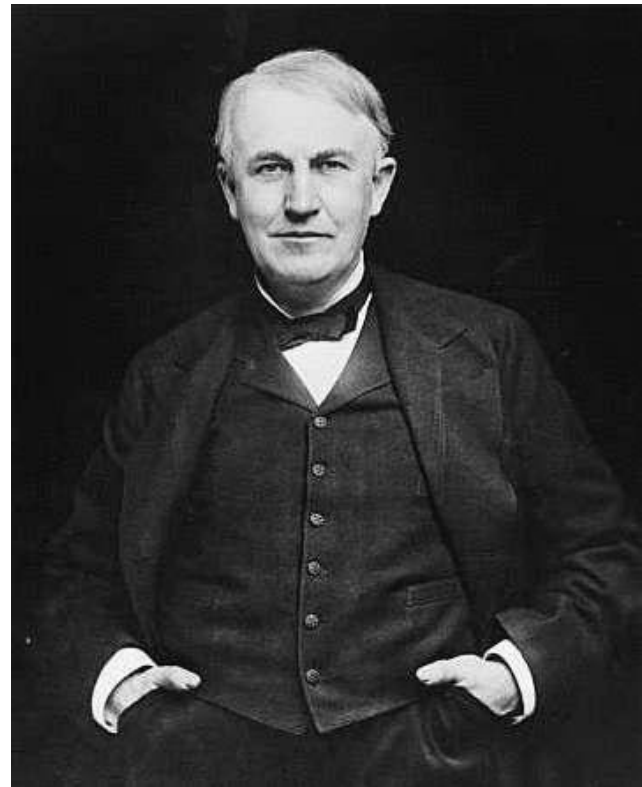


Brit Percy Pilcher designed a  
powered triplane and built it in  
1899



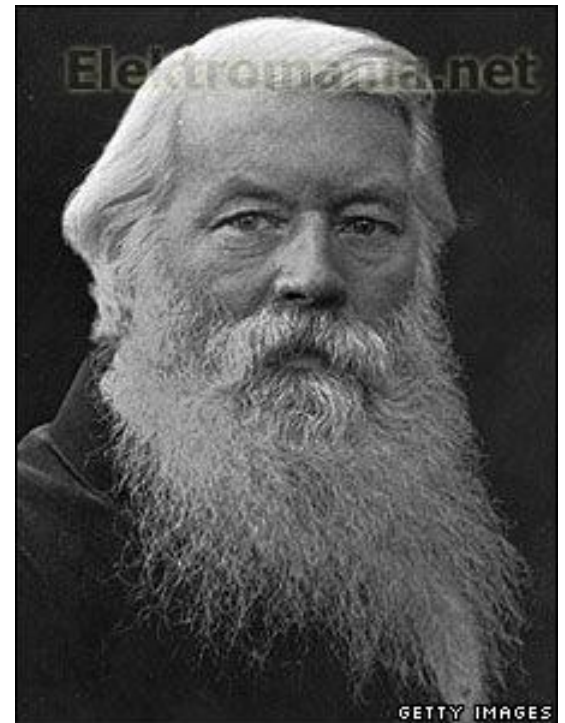
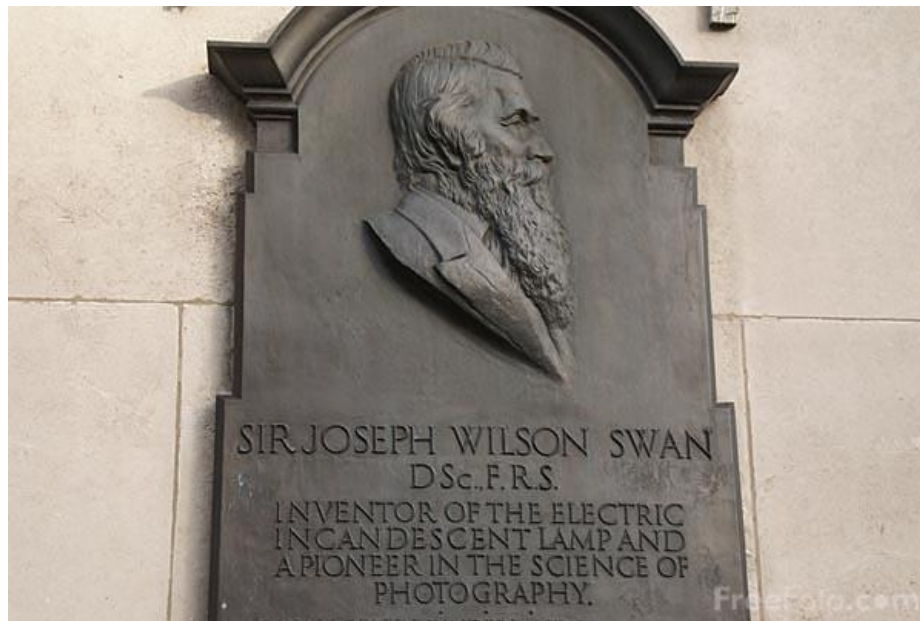
By the last day of September 1899, Pilcher's powered triplane was very nearly ready for flight, but on that day Pilcher was gliding in his "Hawk." His previously reliable "Hawk" suffered a structural failure, fell, and Pilcher died two days later. Pilcher's powered triplane was never flown.

**Thomas Alva Edison invented the light bulb.  
He began his experiments in 1878 and by  
1879 he made a working electric light bulb.**



# BUT...

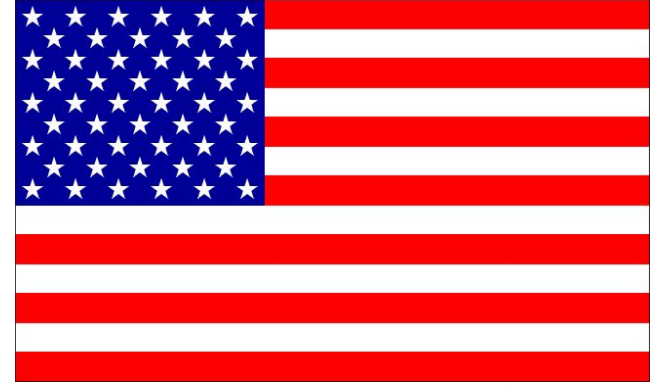
- Sir Joseph Swan of Newcastle announced that he had made a working light bulb in 1878



- The first telephone message was made at 5 Exeter Place, Boston, Massachusetts on 10 March 1876

- 1876 - Alexander Graham Bell called to his assistant, “Come here, Watson, I want you”



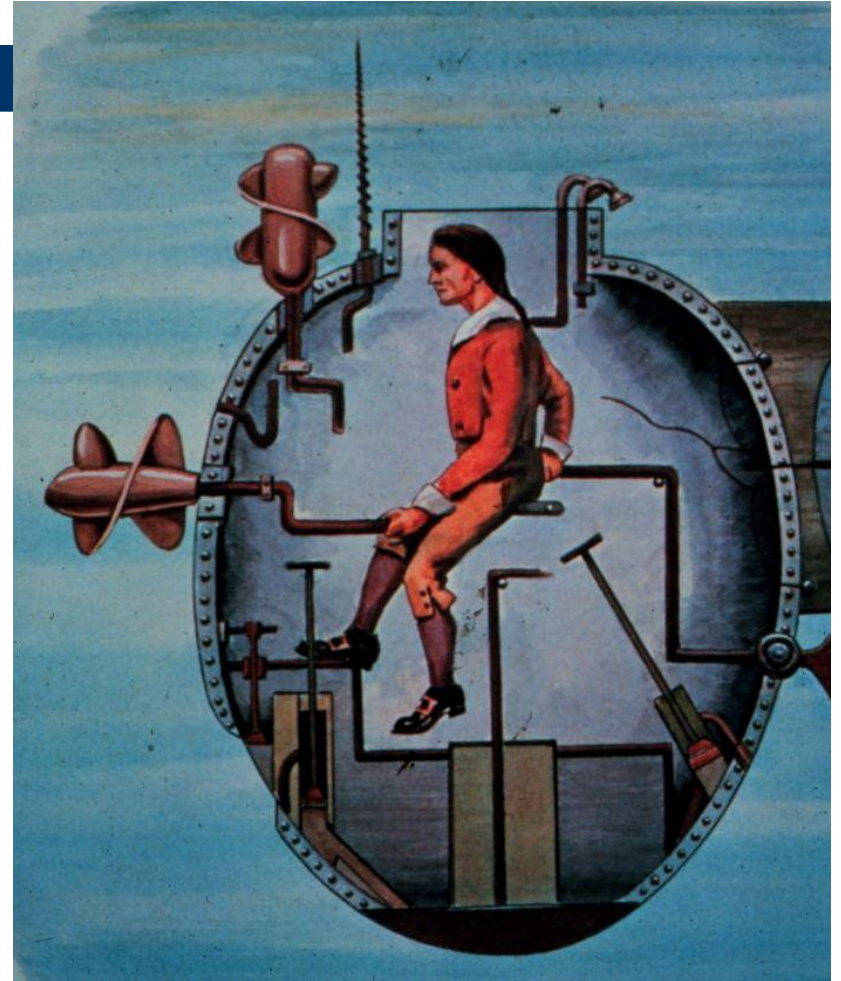


- But ... Alexander Graham Bell was born in 1847 in Edinburgh, Scotland. He moved to Canada when he was 23 and only then migrated to the USA. He was British so Brits can rightly claim the telephone is a British invention



# The submarine

1700s - David Bushnell created the first usable submersible, christened “The Turtle”

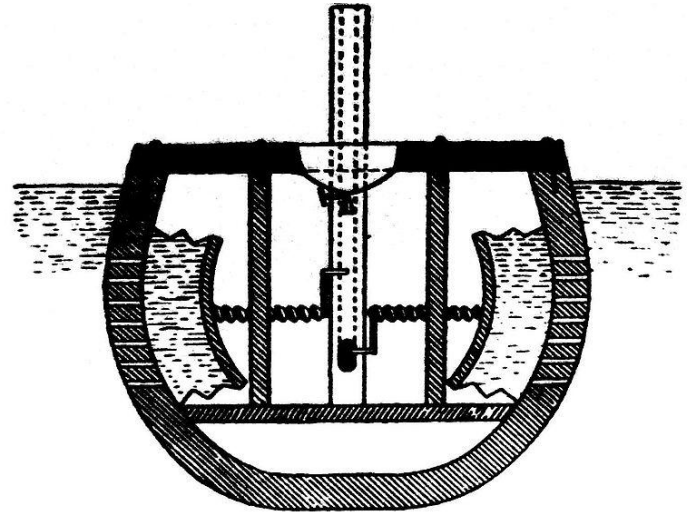


- It's purpose was to sneak up on British ships in the American War of Independence and screw a mine into the wooden hull. Unfortunately when it tried to attack HM Eagle the submariners discovered the hull covered in copper. They couldn't bore into it. The mine went off but the only victims were an unlucky shoal of fish.

- 1600s – there was an English submarine that was not only demonstrated but gave a test-ride to King James I



- The design was created in 1578 by William Bourne, a mathematician



## A Dutchman called Cornelis Drebbel came to London to test it in the Thames

- Between 1620 and 1624 he did many tests; his oar-propelled craft worked at depths of five metres for several hours. Even the free trip for the King didn't get a commission from the Navy!

