

Top 12 Engineers Who Shaped World History





In memory of Thomas Alva Edison

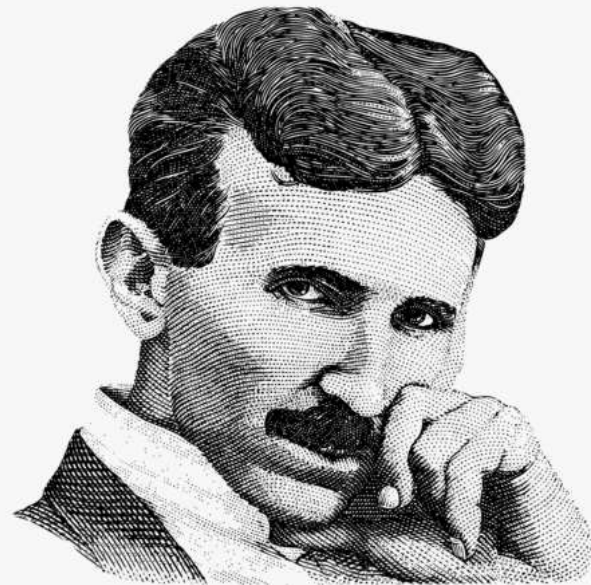
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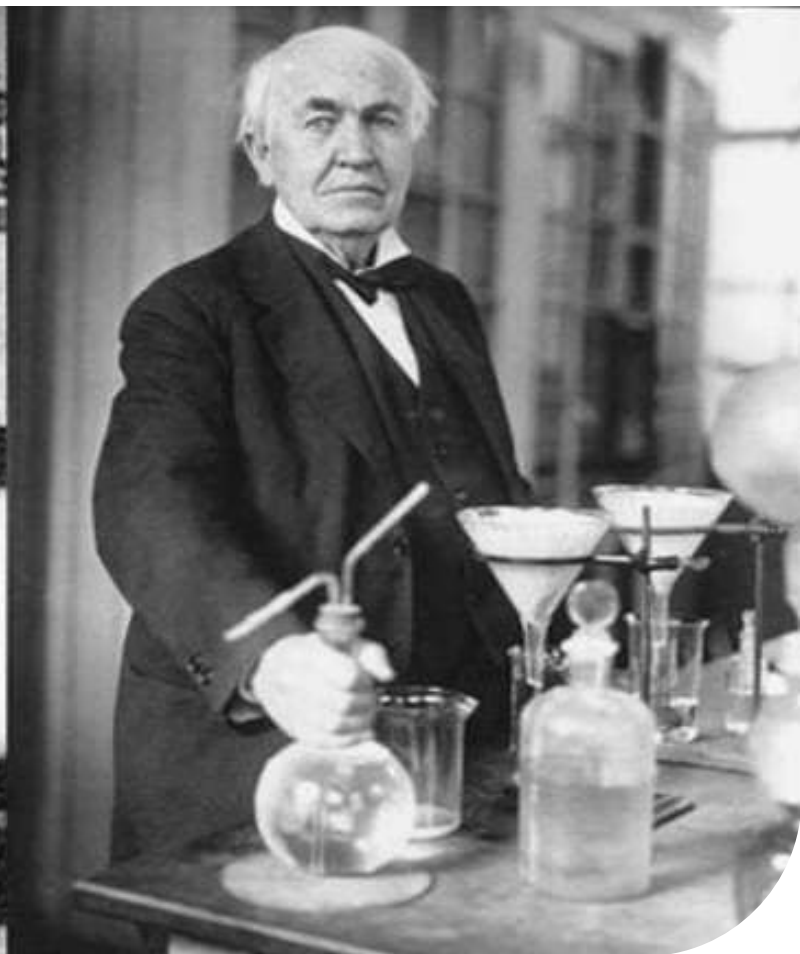


“

**Failure is central to engineering.
Every single calculation that an
engineer makes is a failure
calculation. Successful engineering
is all about understanding
how things break or fail**

”

– Henry Petroski



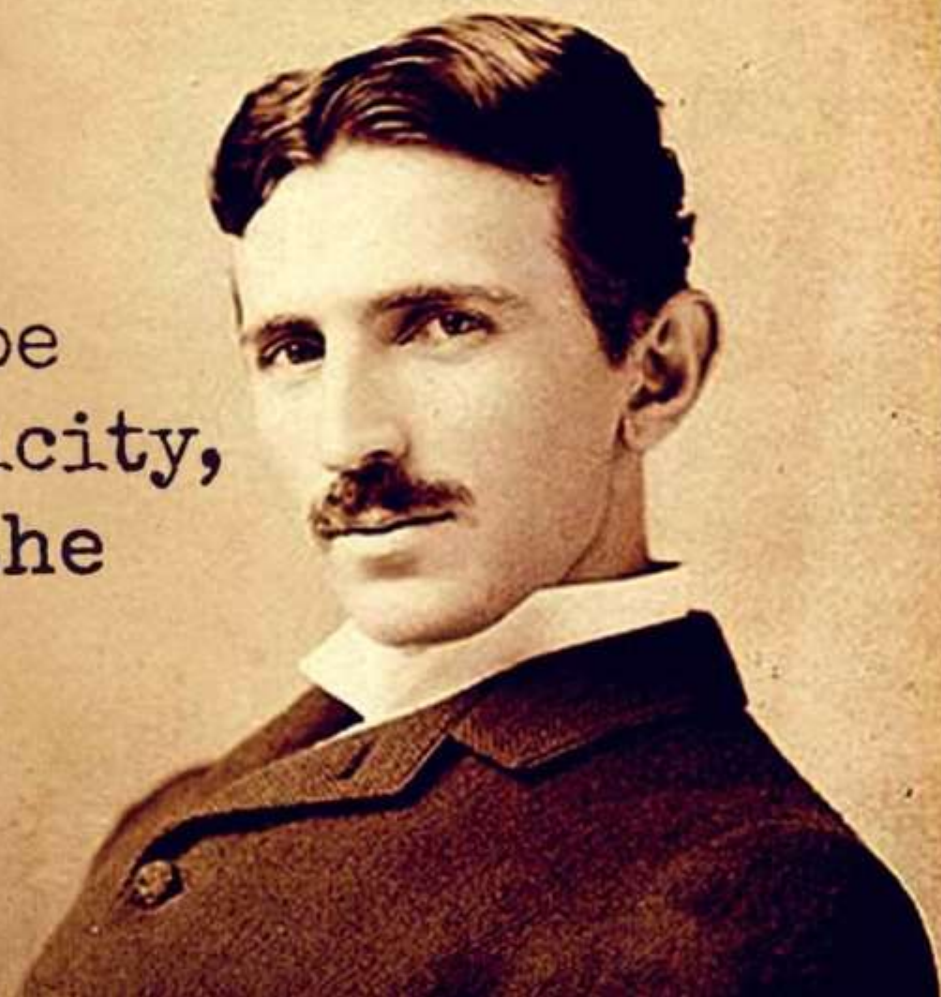
Nikola Tesla

Serbian-American inventor best known for his contributions in the fields of electromagnetism and wireless radio communications



If your hate could be
turned into electricity,
it would light up the
whole world.

Nikola Tesla

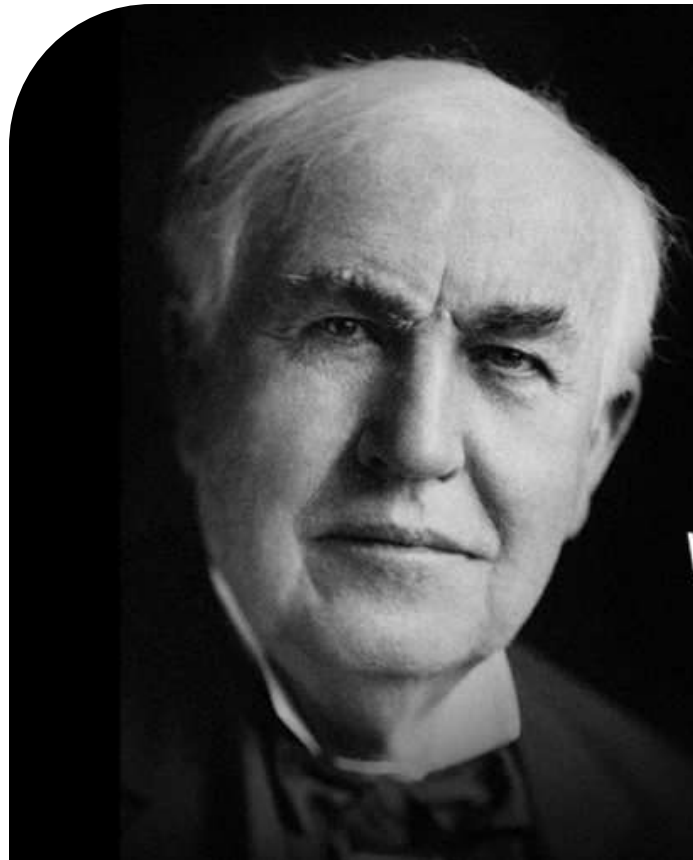




Thomas Edison

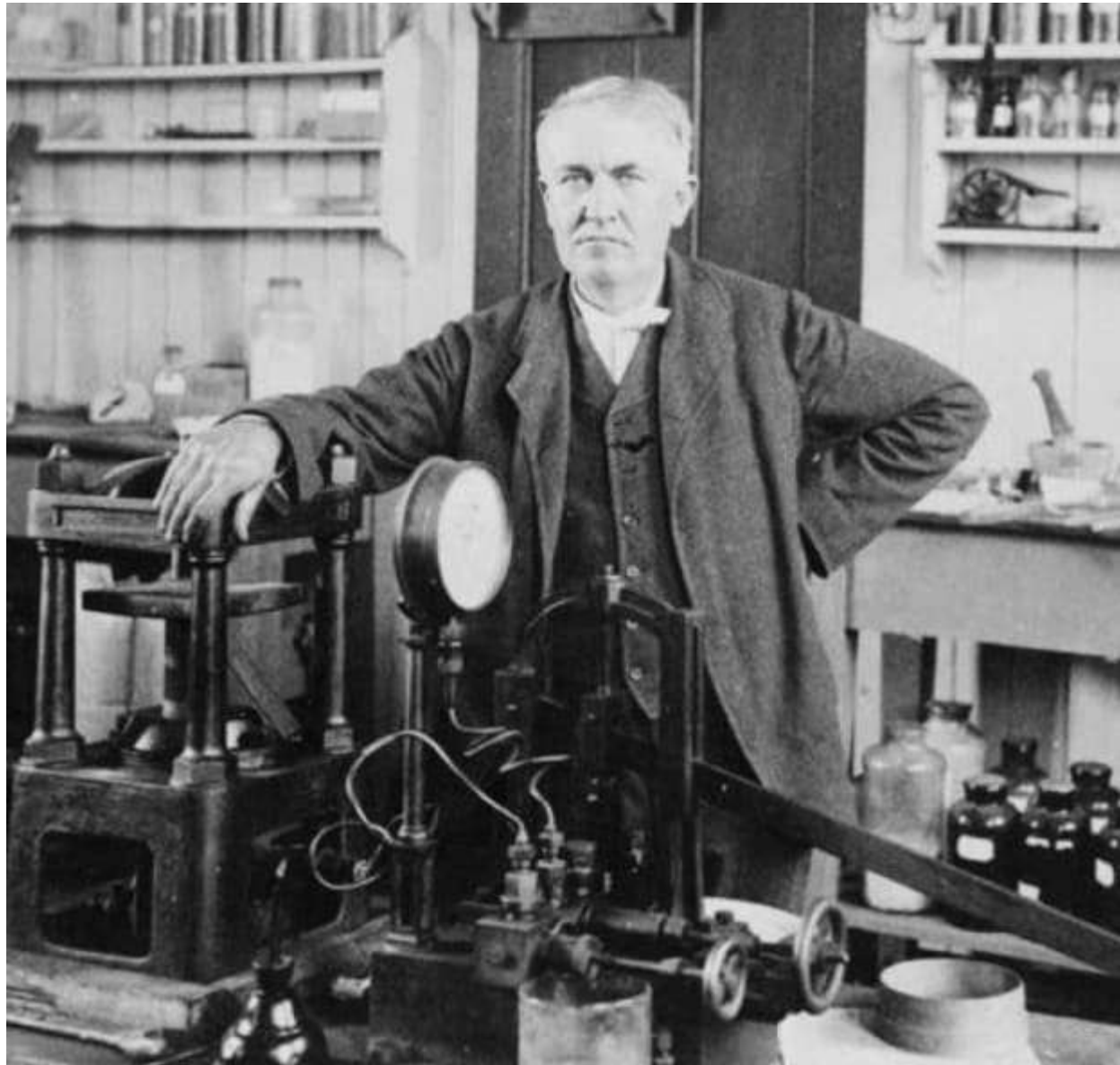


American inventor primarily
known for inventing the light
bulb



Many of **life's failures** are people who did not realize **how close** they were **to success** when they **gave up**.

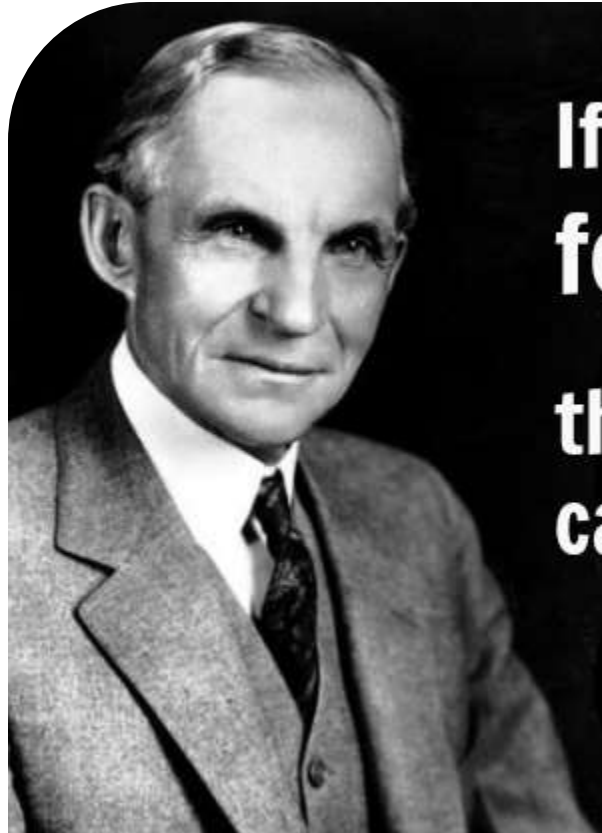
- Thomas Edison



Henry Ford

American engineer and industrialist who founded the Ford Motor Company





If everyone is moving
forward together,
then **SUCCESS** takes
care of itself.

~ Henry Ford

Archimedes

Greek mathematician who invented
the sciences of mechanics and
hydrostatics

EUREKA!



“I don't care if it's
my fifth bath today,
it's science time and I
am so, so dirty.”

-Archimedes on his
methods



Nikolaus Otto

German inventor who is
credited with the
development of the four
stroke engine





L. SCHNELL

George Stephenson



British engineer who built
the first public intercity
railway line in the world



The rage for railroads is so great that many will be laid in parts where they will not pay.

(George Stephenson)

Leonardo da Vinci

Italian polymath who is known
for his designs of flying objects
such as hang gliders



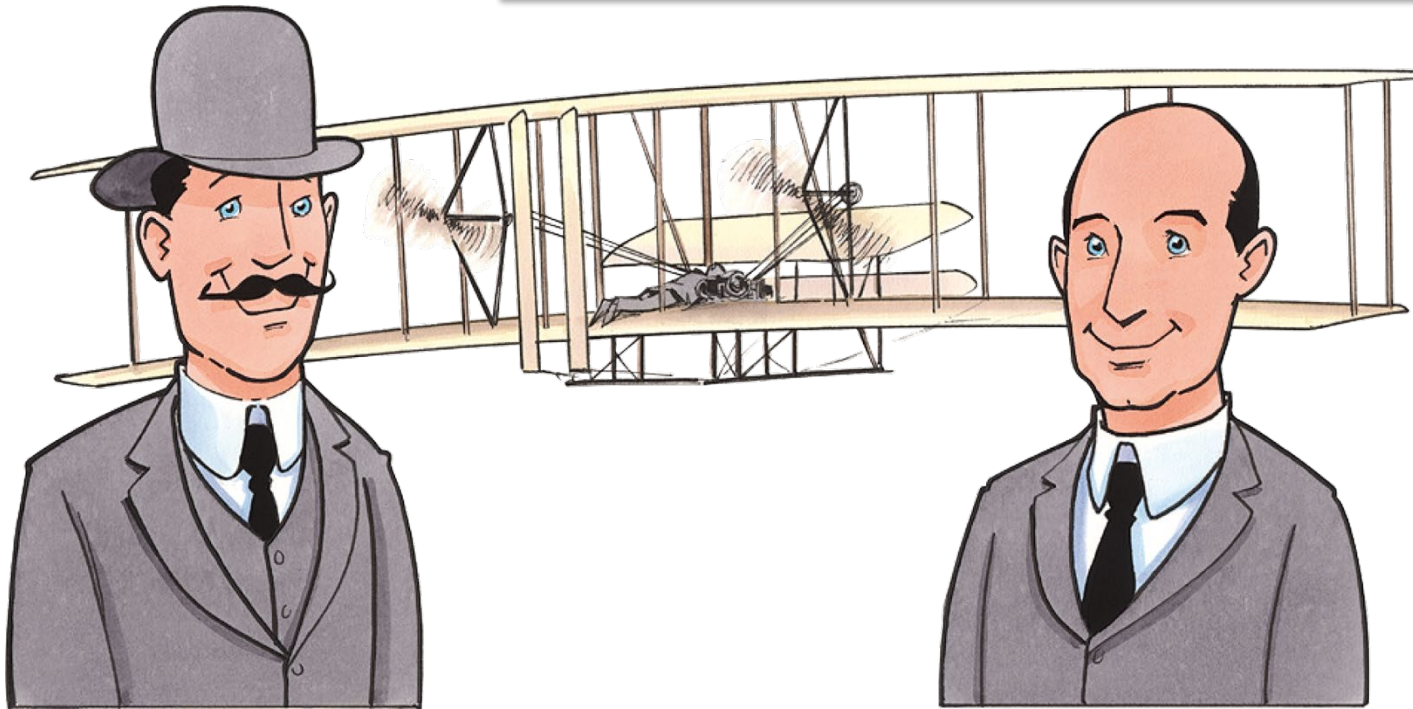
“Wisdom is the
daughter of
experience.”

Leonardo da Vinci



Wright Brothers

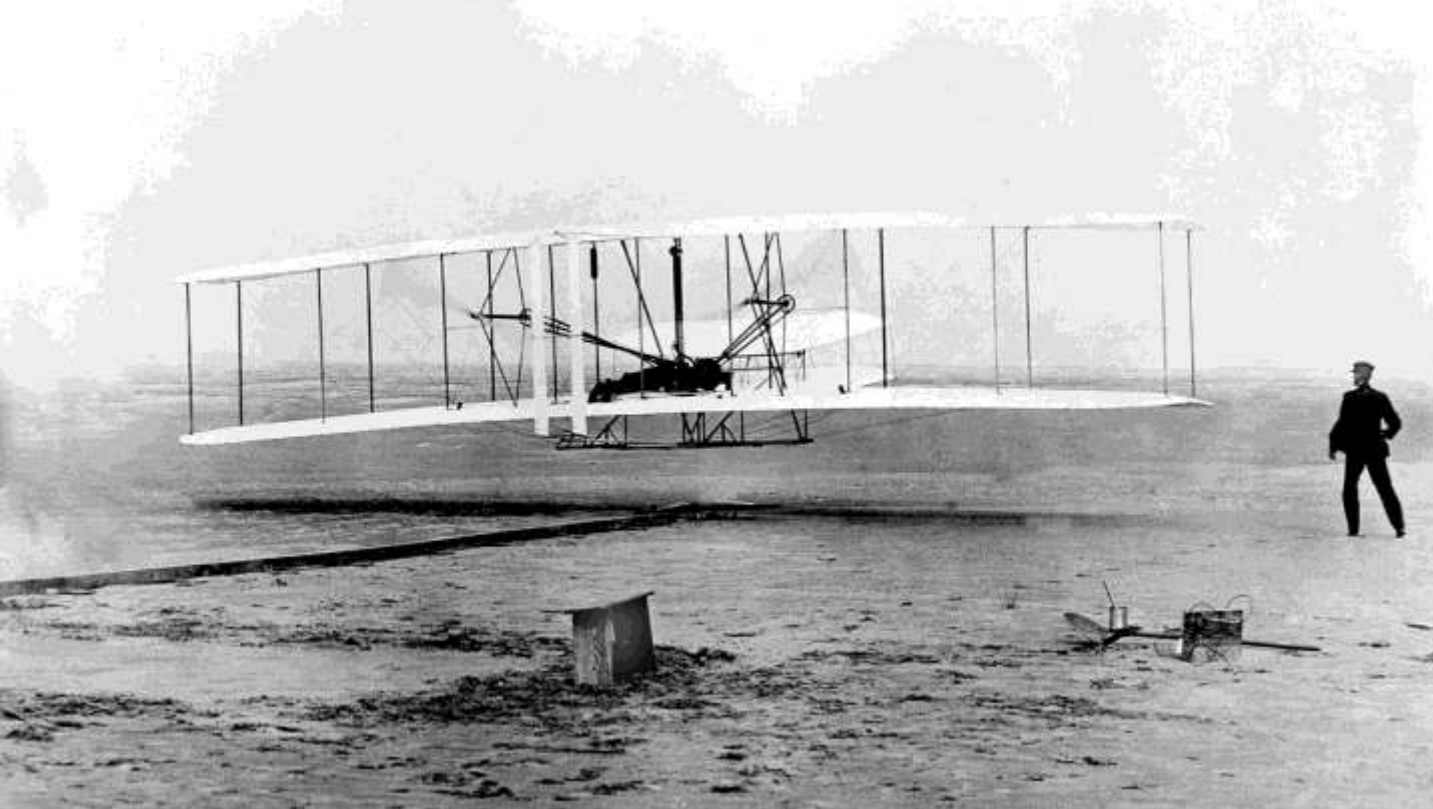
American aviation pioneers generally credited with inventing, building, and flying the world's first successful motor-operated airplane





**IT IS POSSIBLE TO FLY
WITHOUT MOTORS,
BUT NOT WITHOUT
KNOWLEDGE AND SKILL**

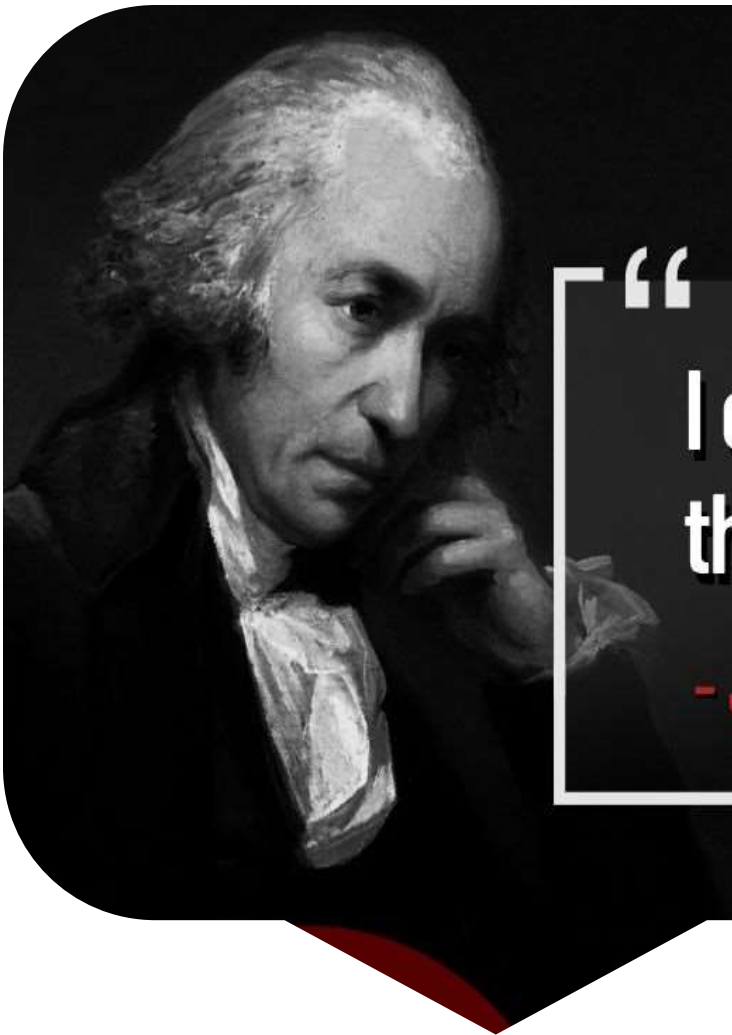
- Wilbur Wright



James Watt

Scottish engineer whose
steam engine contributed
substantially to the
Industrial Revolution





“

**I can think of nothing else
than this machine.**

- James Watt

”

Isambard Kingdom Brunel



English civil engineer who is
responsible for building bridges
and also the first major British
railway



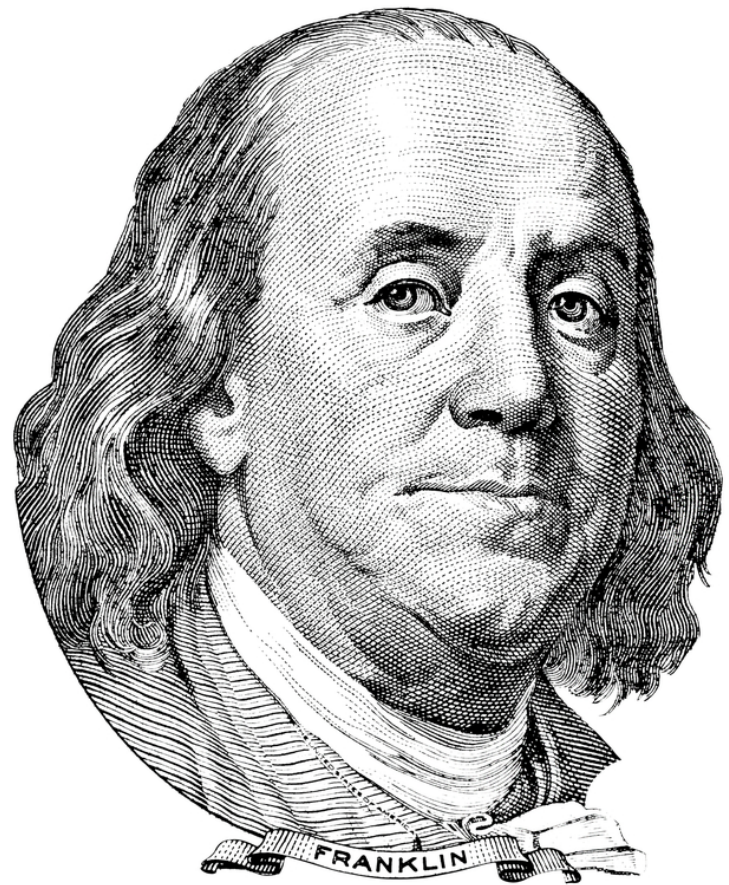
**Brunel statue in
Paddington Station, London**

Aeroplanes are not designed by science, but by art in spite of some pretence and humbug to the contrary. I do not mean to suggest that engineering can do without science, on the contrary, it stands on scientific foundations, but there is a big gap between scientific research and the engineering product which has to be bridged by the art of the engineer.

Isambard Kingdom Brunel

Benjamin Franklin

American statesman best
known for his invention of the
lightning rod



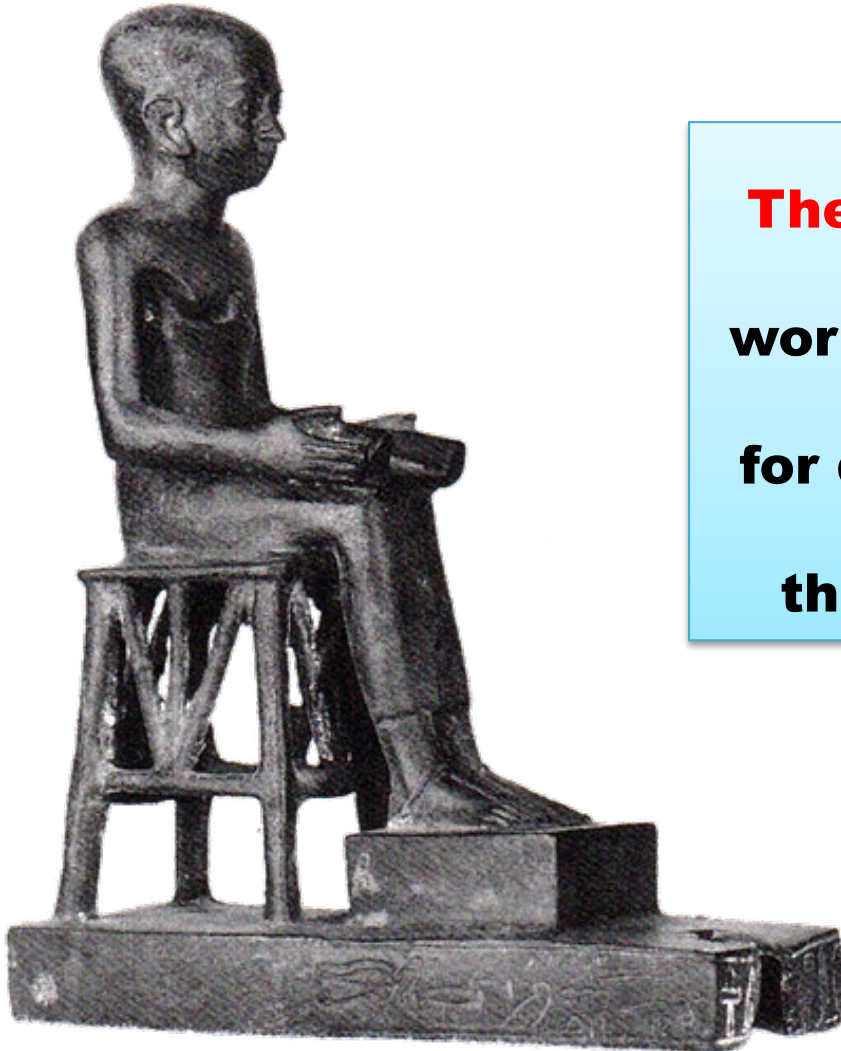
“Love your enemies, for they tell
you your faults.”

Benjamin Franklin





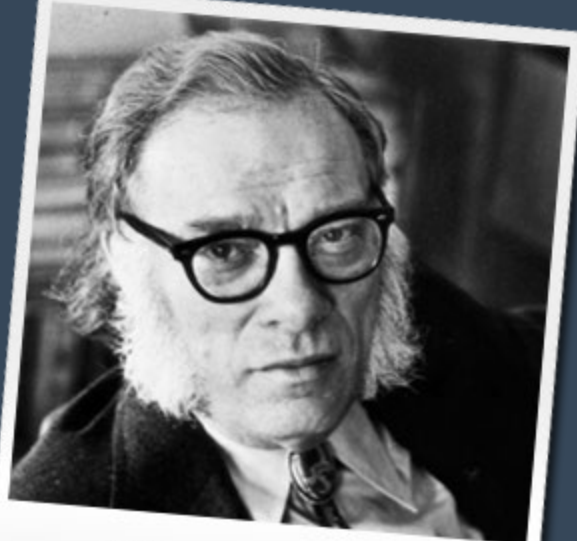
Imhotep



The first civil engineer in the world on record who is known for designing and supervising the step Pyramid of **Djoser**

“Science can amuse and fascinate us all, but it is engineering that changes the world.”

– *Isaac Asimov*



Isaac Asimov