

**ISAMBARD
KINGDOM
BRUNEL**
FELLOW OF THE ROYAL SOCIETY

OBJECTIVE

To design the world's best bridges, railways, and steam-powered ships in the world.

EDUCATION

UNIVERSITY OF CAEN, NORMANDY
LYCEE HENRI-IV, PARIS
After graduating top of the class from both institutions, I apprenticed under master clock-maker, Abraham-Louis Breguet.

SKILLS & ABILITIES

Engineering, design, science, understanding of physics.

LOCATION

Portsmouth and Westminster
England

EXPERIENCE

CHIEF ENGINEER, GREAT WESTERN STEAMSHIP COMPANY, BRISTOL

1835-1855

Designed the *Great Western* ship – longest steam ship in the world in 1838. Steam powered paddle wheels cut the transatlantic travel time. A more efficient model of sea travel. Introduced propeller-driven steamships to the fleet – *The Great Britain*.

CHIEF ENGINEER, GREAT WESTERN RAILWAY, LONDON

1833-1835

Designed London Paddington station which still exists in 2017. Designed and engineered tunnels and bridges for the rail line. Planned route between London and Bristol. Changed the gauge size for rail track which made rail travel faster, stable, and more comfortable.

AWARDS

Winning a bridge designing contest for the Clifton Suspension Bridge. As I wrote to Benjamin Hawes, "*Of all the wonderful feats I have performed, since I have been in this part of the world, I think yesterday I performed the most wonderful. I produced unanimity among 15 men who were all quarrelling about that most ticklish subject— taste.*"¹

LEADERSHIP

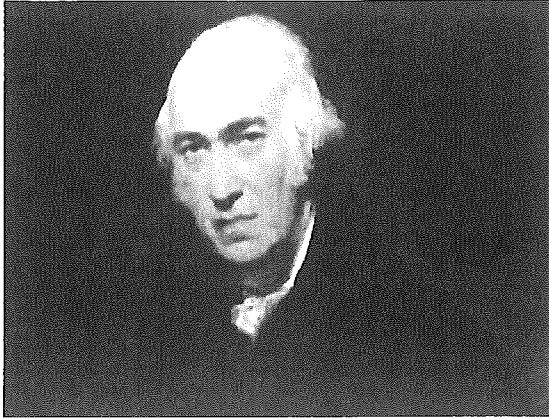
My decision to locate the Great Western Railway locomotive sheds allowed for the town of Swindon to become one of the fastest growing towns of the 19th century. I provided inspiration for the National Health Service by setting the example of providing recreation and health opportunities for my employees.

REFERENCES

SIR DANIEL GOOCH, SUPERINTENDENT OF LOCOMOTIVES, GREAT WESTERN RAILWAY BEDLINGTON, NORTHUMBERLAND, ENGLAND

¹ Brunel to his brother-in-law Peters, Professor G Ross. "Brunel: 'The Practical Prophet'". BBC History. Retrieved 27 August 2009.

James Watt



Industrial Designer

Regent Place
Glasgow, Scotland
United Kingdom

SKILLS

- Mechanical Engineer
- Mathematician

INVENTIONS

- Made the Steam engine more efficient and much better working.
- James Watt made the photocopier.
- Watts Linkage

EDUCATION

Grammar School, Greenock Scotland - Mathematics

James Watt learned Math, Latin, and Greek at school. His father taught him carpentry, and his mother taught him how to read.

AWARDS

- Watt power was named after him
- Got a gold medal for being the most successful and best Mechanical Engineer.