#### There's only One Queen Victoria!!!

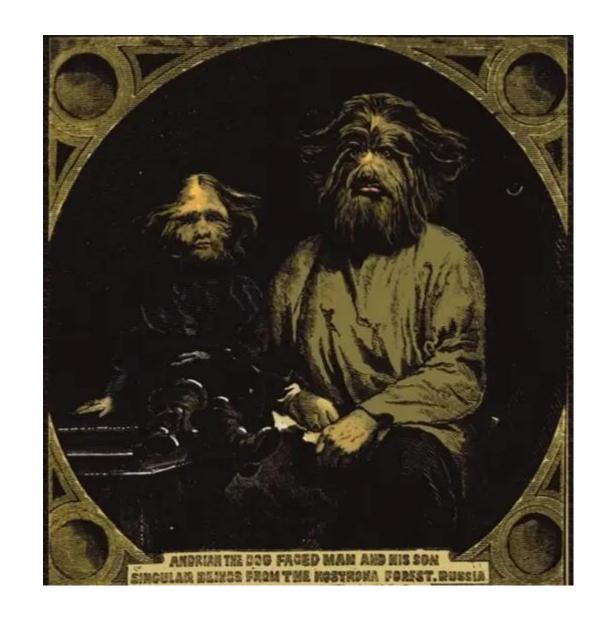






# CAUSES OF THE LOUIS TO LUTION

"The Dog-Faced Boy" was one of the most popular attractions in London and Liverpool in the 1870s.



Dresses became so wide that women would frequently get stuck in doorways.



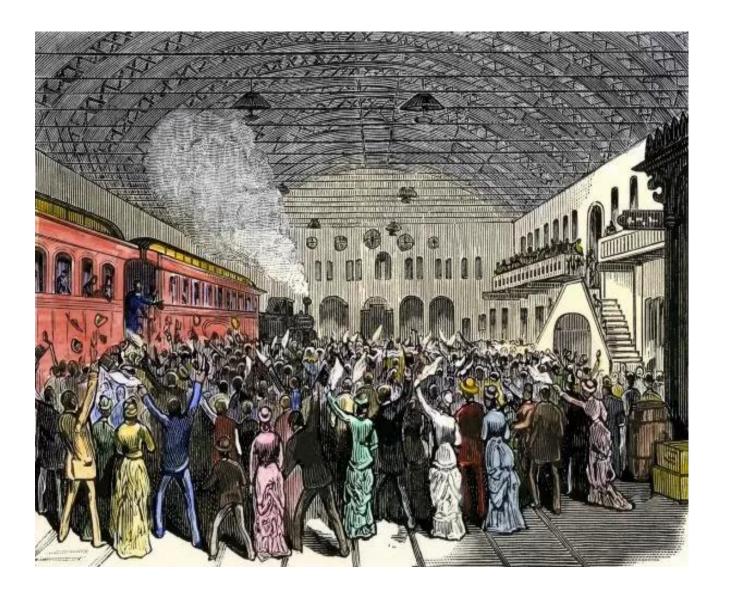
The Thames was so full of sewage and dead animals that you could pretty much walk across it



...and the streets were unbelievably disgusting, too.



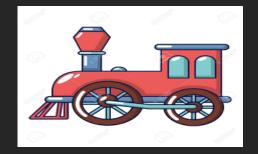
# Victorian Railway Mania!!!



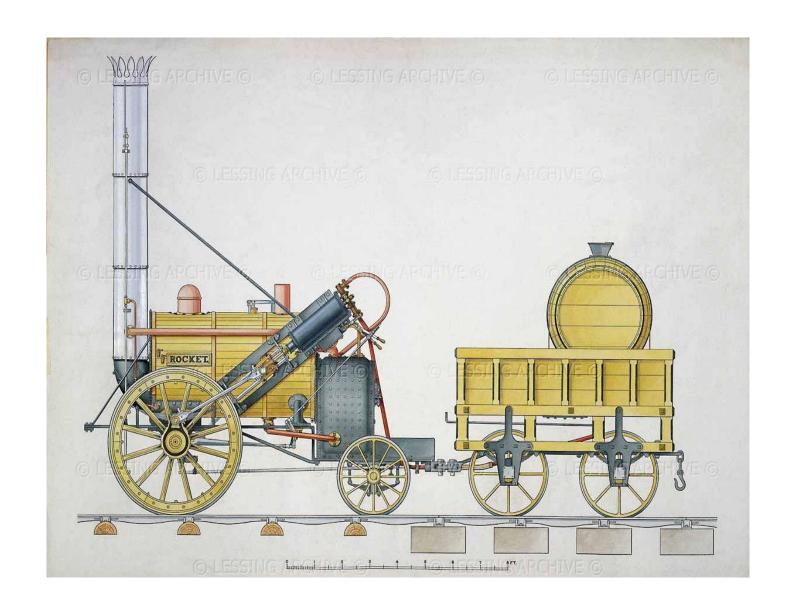




Britain – little change in 1800 Life was slow Life was rural Fastest thing was a galloping horse

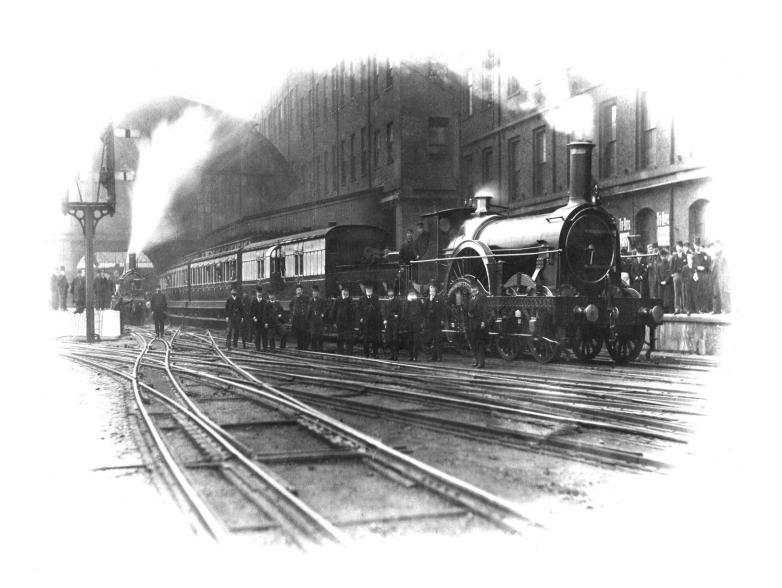


## Steam changed everything!!



#### Start of the Modern Railway Age

- One of the great achievements of the Industrial Revolution
- The end for canals and coaches
- 1804 one of first locomotives Richard Trevithick. Highly unreliable.
- 1813 "Puffing Billy" built by William Hedley to pull coal wagons. Used for 50 years!!
- Stockton and Darlington Railway 1825
  - First in the world. A pioneering railway built by Stephenson
  - Two locomotives could pull 21 wagons 8 miles at 25mph
- 1825 seen as the start of the Modern Railway Age.



#### Start of the Modern Railway Age

- 1826 Stephenson given the task of building the Manchester to Liverpool line, subject to "The Rainhill Trials" to select the best train.
- 1829 The winning train was the legendary Stephenson's Rocket.
- 1830 The Manchester to Liverpool line was opened.
- 1825 1837 95 lines were built
- 1838 Robert Stephenson, son of George, built the London to Birmingham line
- 1841 the stunning GWR was completed
- 1900 22000 miles of track existed carrying passengers by the millions



#### **GWR**

The Great Western Railway

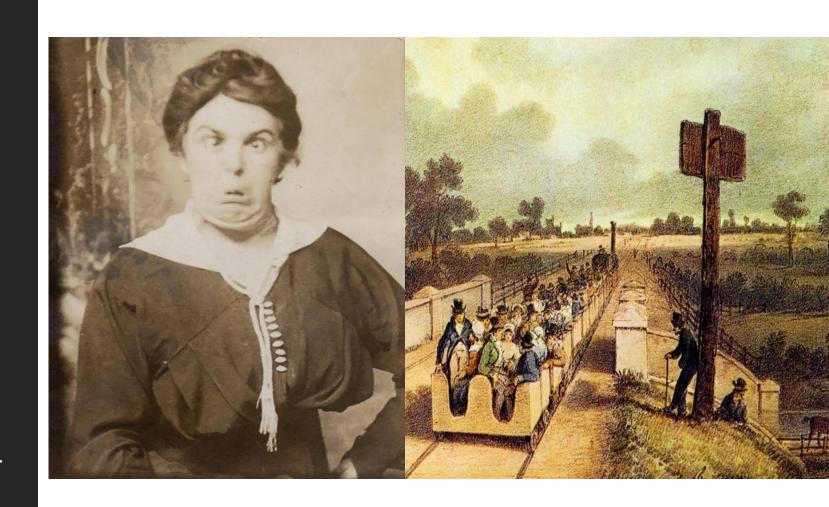
God's Wonderful Railway

Isambard Kingdom
Brunel



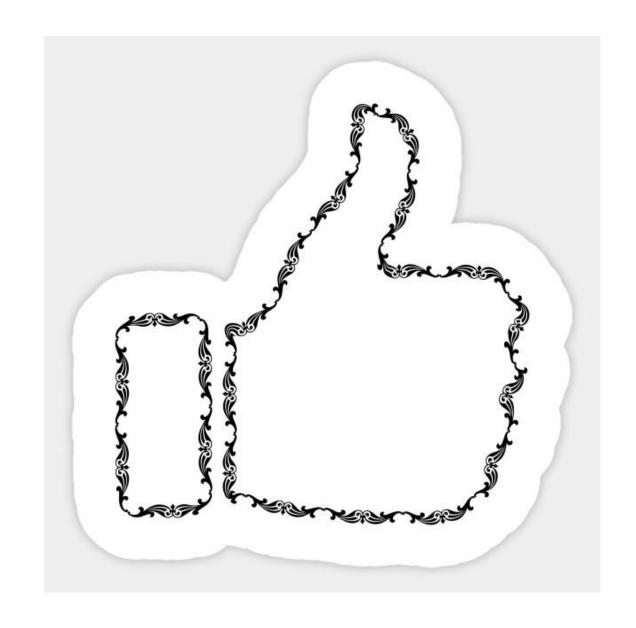
#### Nevertheless.....

- 25MPH a breakneck speed -Too fast!!!!!
- Open carriages
- Carriage doors not closing properly
- "Railway Madmen" attacking passengers.
- Nerve damage due to swaying motion
- Different rail sizes rail gauges
- Rails cracking led to some derailments
- Boiler Explosion!!!!!!
- Lack of Signalling and warning systems journeys could be nerve wracking!!!



### How did Railways change society?

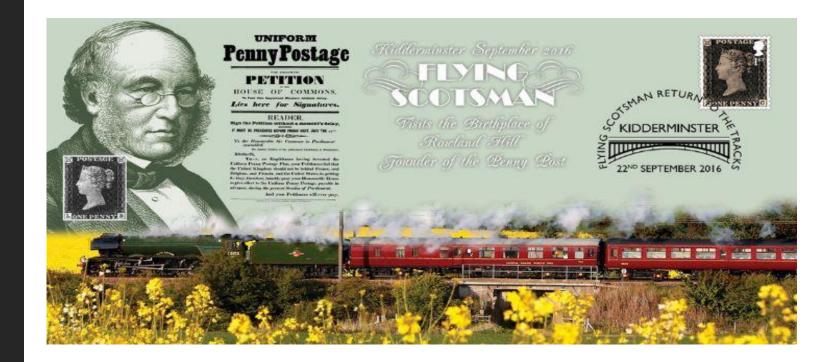
- It was 50% cheaper than coach travel
- It was faster
  - greater speed and need for manufacturers to make more and make it quicker.
- Towns and cities had cheaper food
  - Farmers could get perishable food to market quicker and cheaper
  - Inland towns could get fresh fish!
- It was affordable 3 classes of travel
- Peoples horizons and ambitions were broadened as the country became a smaller place.
- Railways gave easy access to many inaccessible parts of the country



#### Communication Revolution

- 1837 Telegraph technology.
  - -The first operational telegraph system linked Euston Station with Camden Town, London to Birmingham and GWR
  - -It spread all over the national railway network to carry messages and control signals.
- 1839 Introduction of the Postage Stamp
  - A boom in mail services supported by the railways.





#### Communication Revolution

- 1846 1880 Wait a minute
- Railway Schedules were based upon London time or GMT.
- Until late 18thc all towns determined time by use of a local sundial.
- The differences in time between towns and cities could differ by up 20 minutes!
- The slight time difference led to confusion in schedues and a risk accidents
- 1855 Railways adopted unified GMT

1880 UK adopted GMT by law





### Queen Victoria's railway journeys

- 1842 the first monarch to travel by train.
- From Windsor to Paddington in just25 minutes in pure luxury
- Brunel was driving.
- She insisted the train go at a max of 30MPH at night and 40MPH during the day
- She would always travel to Balmoral by train – an overnight journey only versus several days and nights by horse and carriage



#### Your carriage awaits ma'am

- 1869 Commissioned her own carriage
- £1800
- 23carat gold paint and luxurious satin and silk interior
- 1901 Her last journey was the same as her first Paddington to Windsor







- Building of the railway network the major achievement of the Victorian Period
- Changed social patterns and landscape economically and physically
- Great engineers left a legacy through embankments, viaducts, tunnels and bridges
- Beautifully constructed stations of iron and glass which brought a different face to our cities, still remain and support us

#### **Victorian Stations - London**

	Annual	
Station	Passemgers	Year
Waterloo	95m	1848
Victoria	75m	1860
Liverpool St	68m	1874
London Bridge	50m	1836
Euston	45m	1837
Paddington	37m	1854
St Pancras	36m	1868
Kings Cross	35m	1852
Charing Cross	<b>29m</b>	1864
Cannon St	24m	1866
Vauxhall	20m	1848
Fenchurch St	19m	1841
Marylebone	17m	1899
Blackfriars	12m	1886
Moorgate	11m	1865
Waterloo East	<b>10m</b>	1869
Old St	6m	1901











