

Categories: Transport [Maritime, Roads, Railways]; Public Health; Power

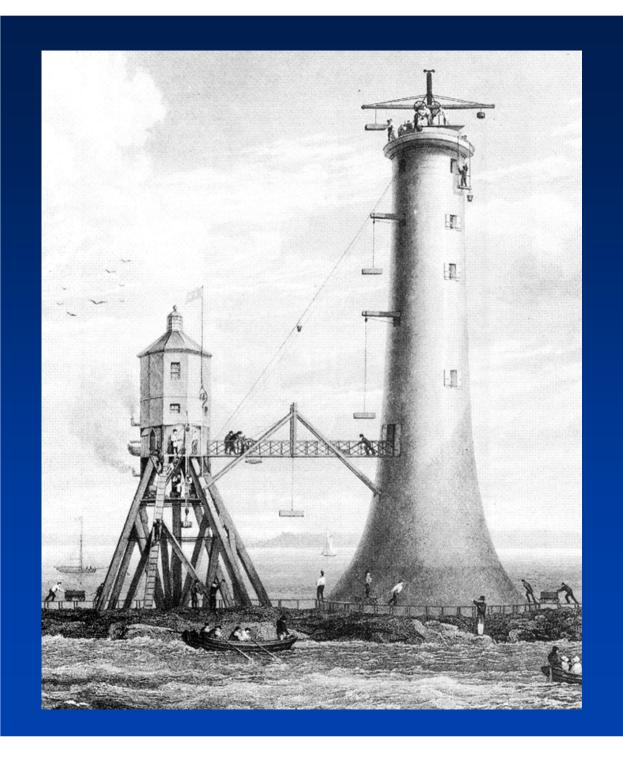




Charlestown Harbour and Limekilns 1761-90

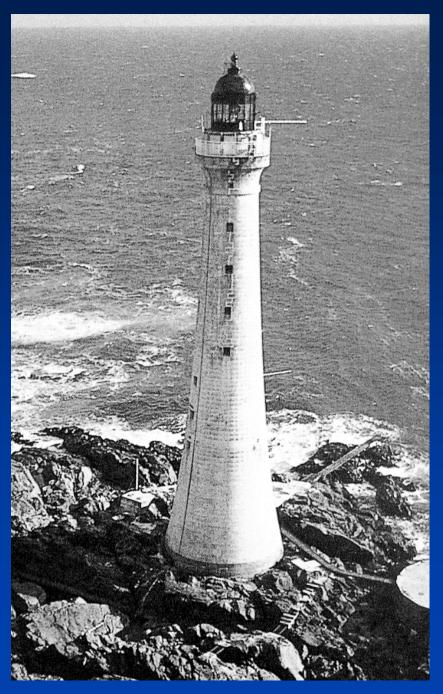


North Ronaldsay Lighthouses 1789, 1809:1852 (brick 138 ft)



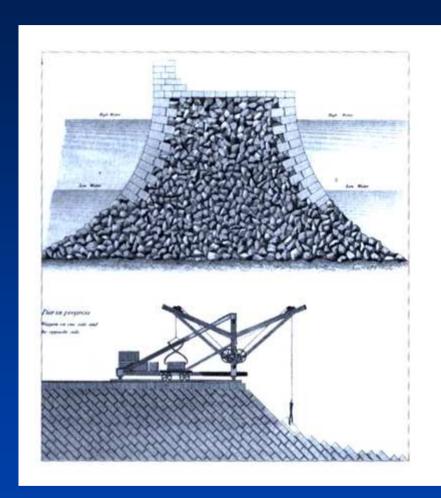
Bell Rock Lighthouse Works 1810

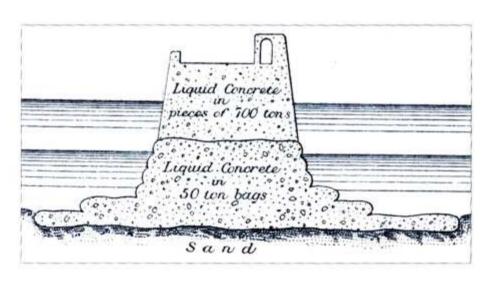
One of the world's greatest maritime engineering achievements



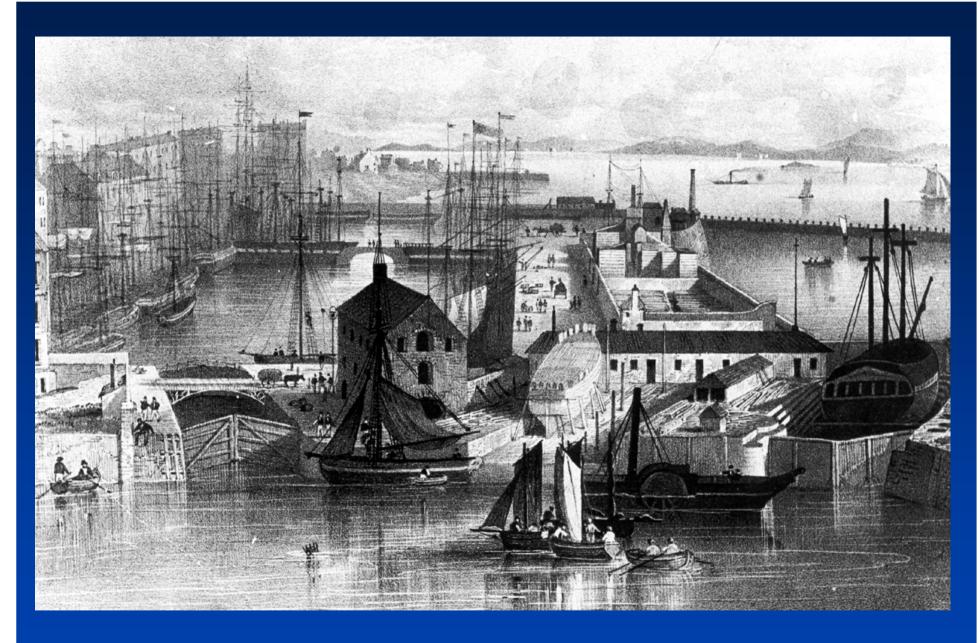
Skerryvore Lighthouse 1844

A landmark in scientific design for mass combined with elegance of outline

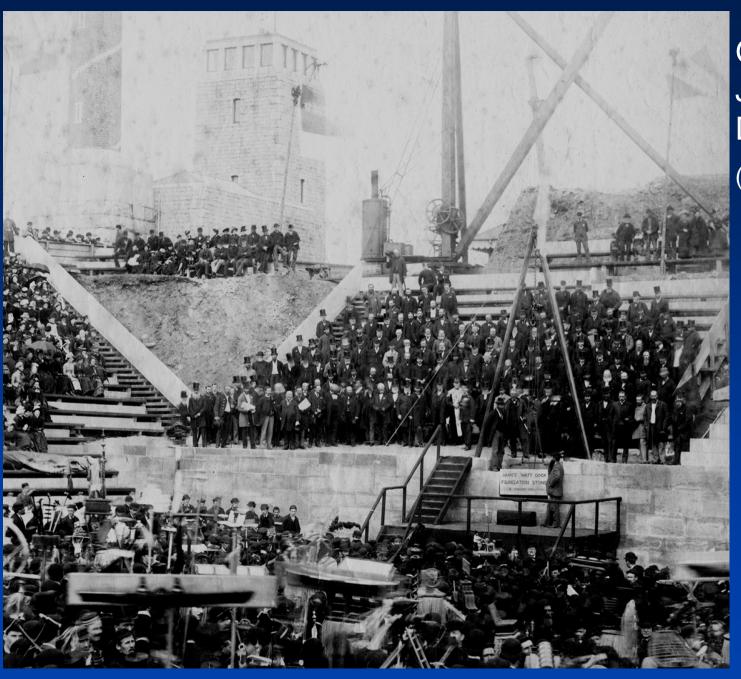




Aberdeen Harbour, North Pier 1816 and 1877 concrete extension



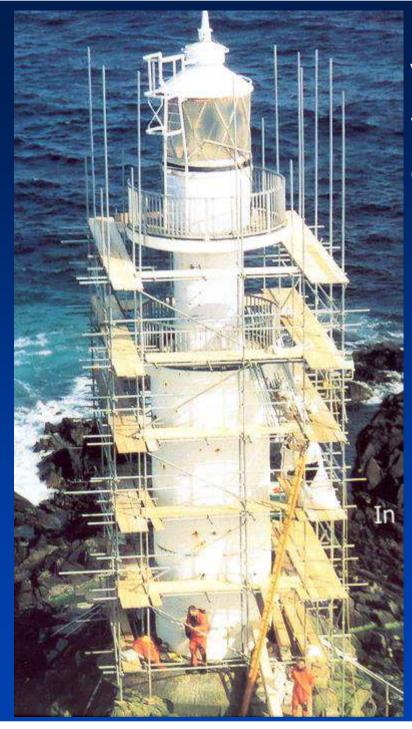
Leith Harbour 1838



Greenock, James Watt Dock 1881

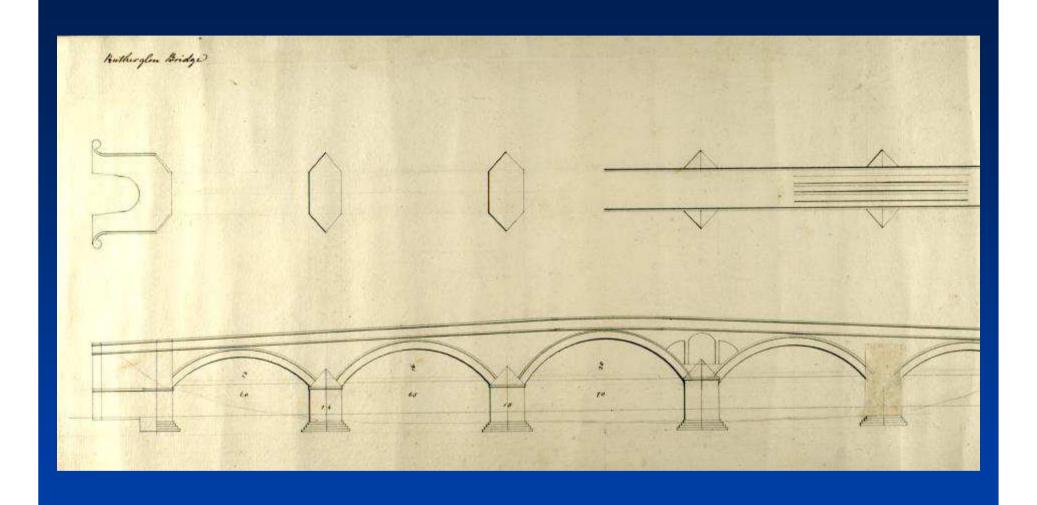
(3000 ft x 400 ft)

Laying the foundation stone



Ve Skerries Lighthouse, Papa Stour, Shetland, 1979

(pre-stressed concrete)



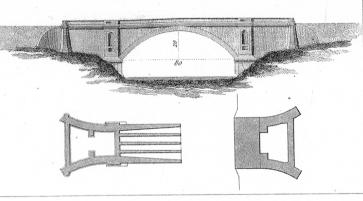
Rutherglen Bridge, Glasgow – James Watt 1774



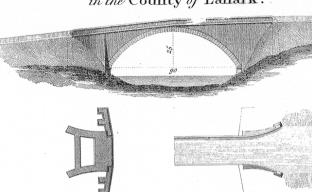
East Linton Bridges c 1550 and c 1870

GLASGOW and CARLISLE ROAD.

Bridge over the River Avon near Hamilton.



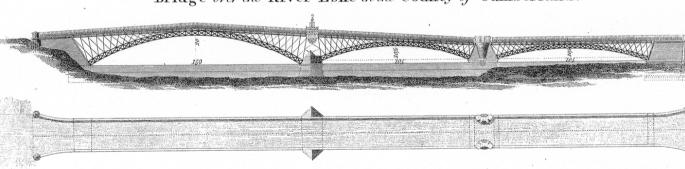
Bridge *over the* River Clyde *at* Elvanfoo *in the* County *of* Lanark.



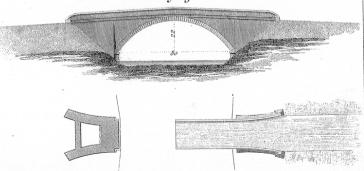
Glasgow and Carlisle Road Bridges

1822

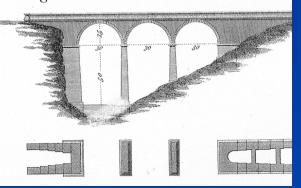
Bridge over the River Eske in the County of Cumberland.

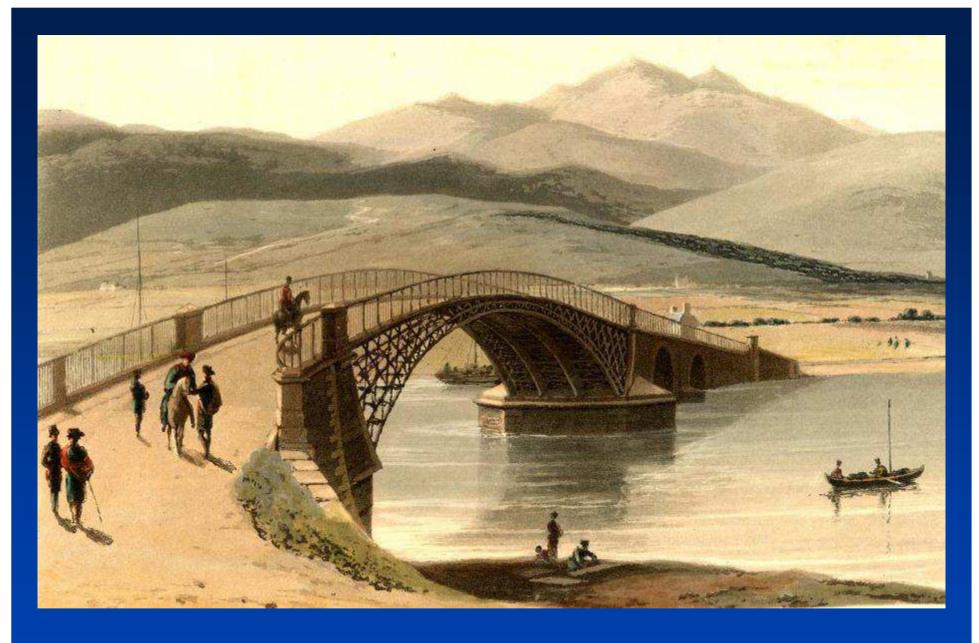


Bridge over the River Annan at Johnstone Mill, in the County of Dumfries.

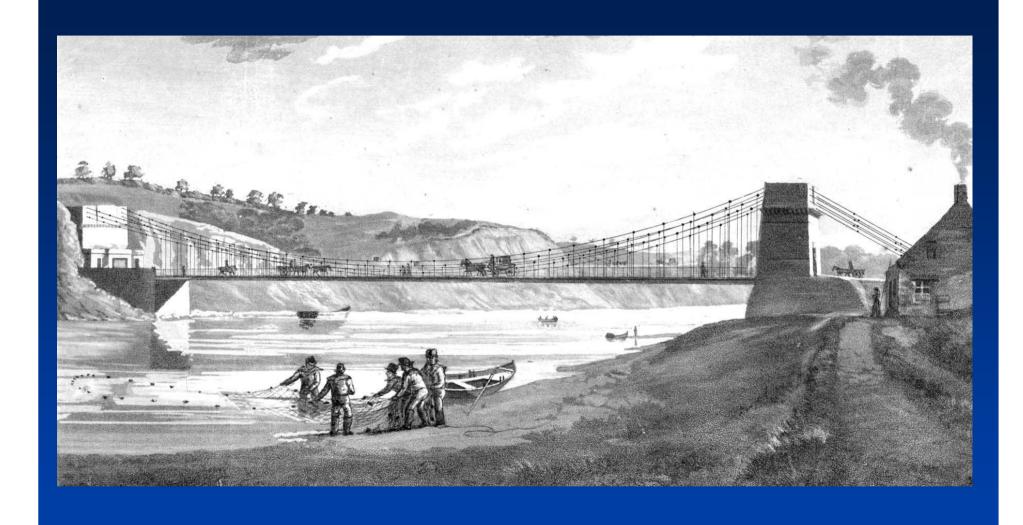


Bridge over Birkwood Burn near Lismah

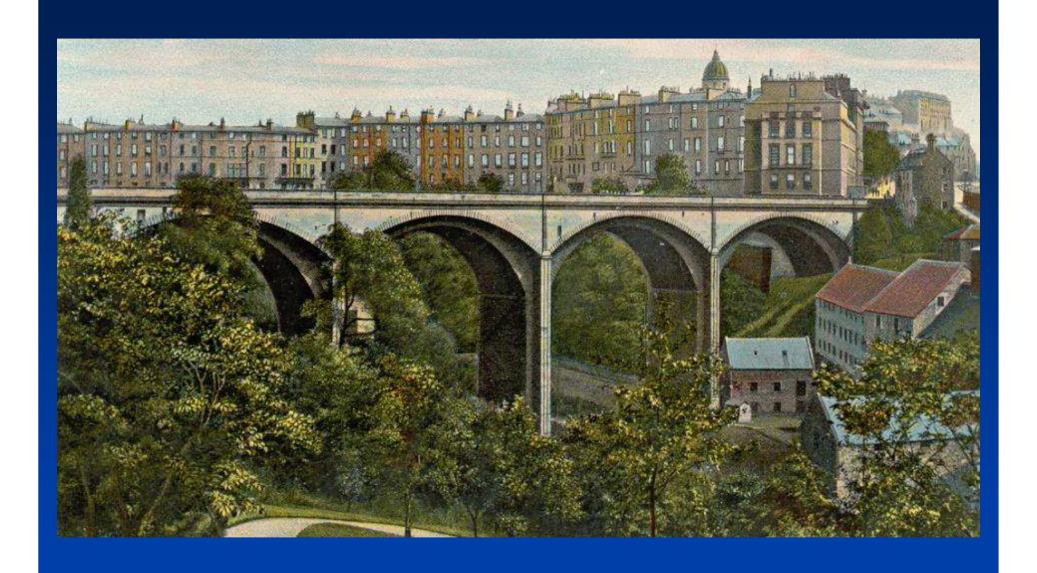




Bonar Bridge 1812 – Telford – First of a new innovative genre



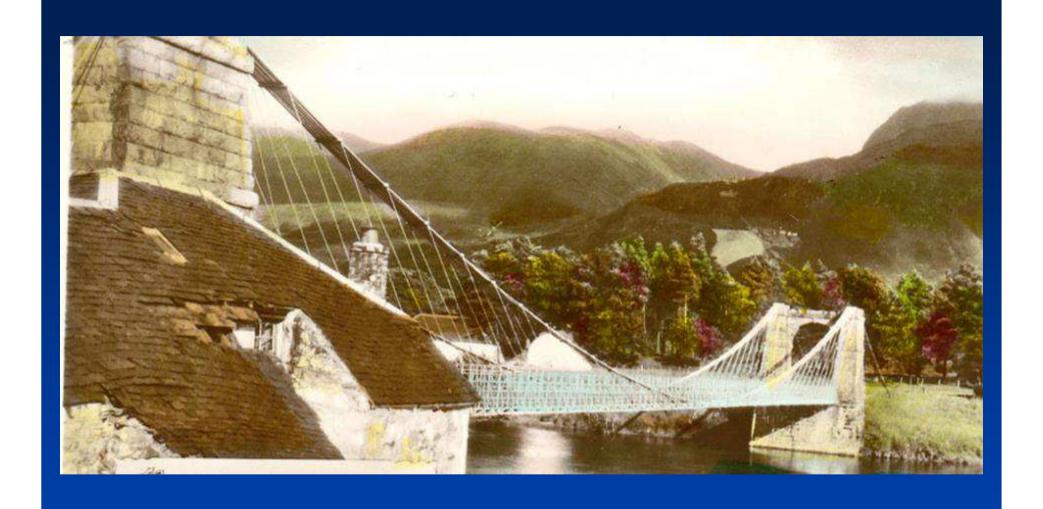
Union Bridge, Paxton 1820 – The world's oldest suspension bridge still carrying vehicles



Dean Bridge, Edinburgh 1832 – elegant sophistication in masonry



Ashiesteel Bridge 1848 (132 ft) (longest rubble masonry span in Scotland)



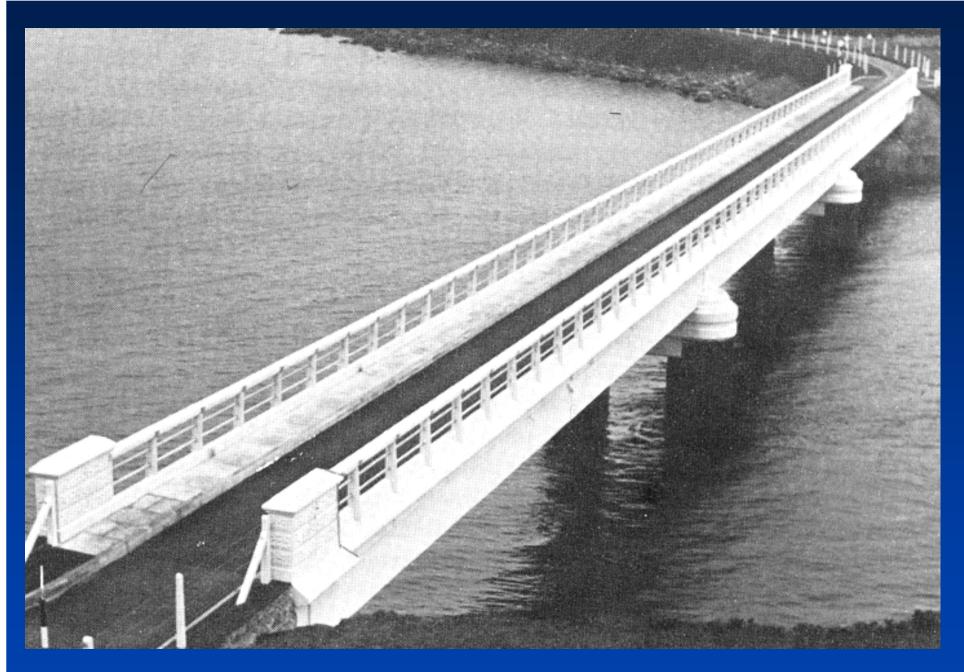
Victoria Bridge, Fort William 1849 (Dredge 250 ft) - Forerunner of Bridge of Oich



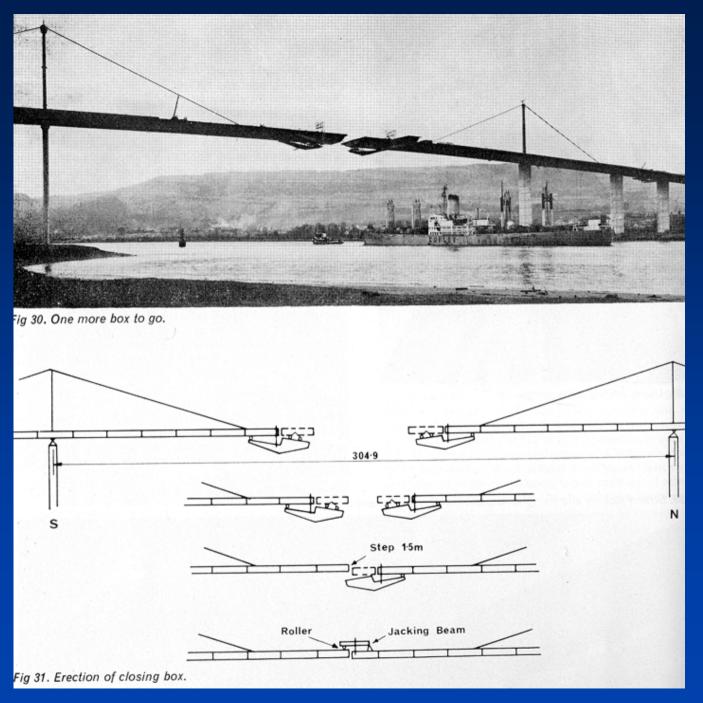
Saughton Park Bridge, Gorgie, Edinburgh 1907 (Mouchel 30 ft)



Great North Road (A9) 1926 - North of Blair Atholl

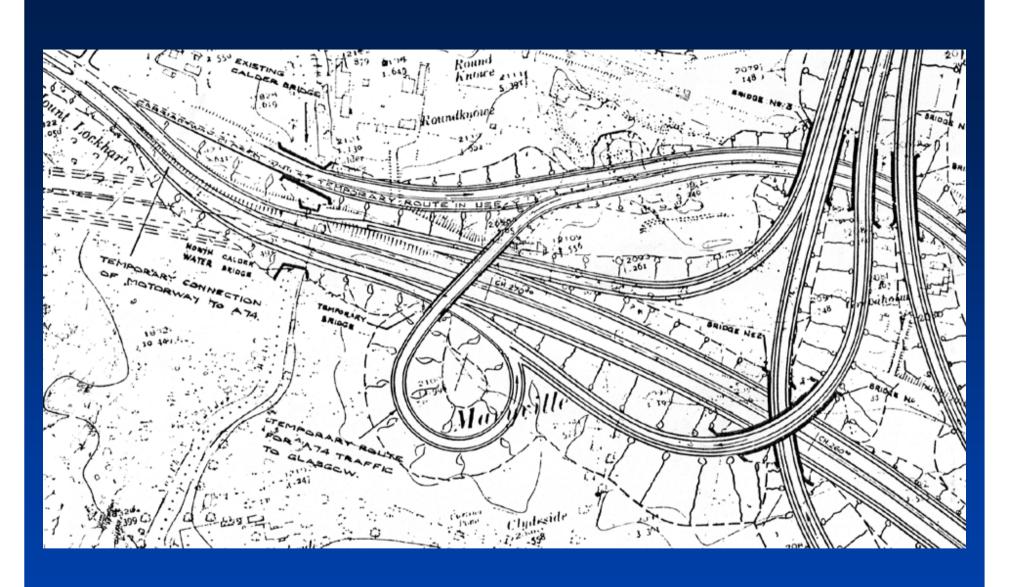


Bernera – Lewis Bridge 1953 – First pre-stressed example in UK

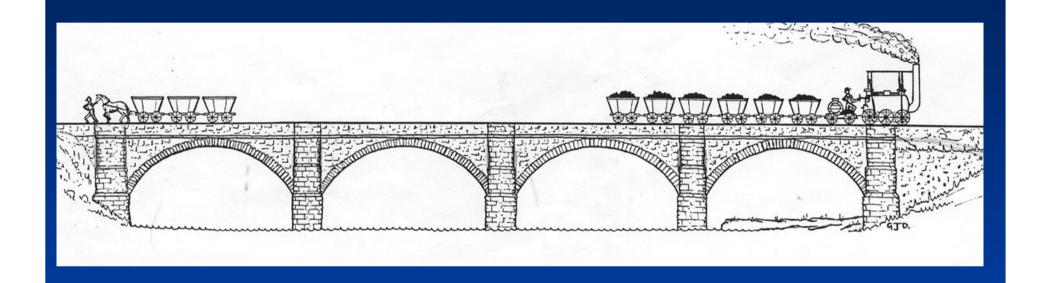


Erskine Bridge 1971 (cablestay 1000 ft)

Precursor of Millau Bridge



M74 Interchange, Maryville, Hamilton 1968 – First of its type in Scotland

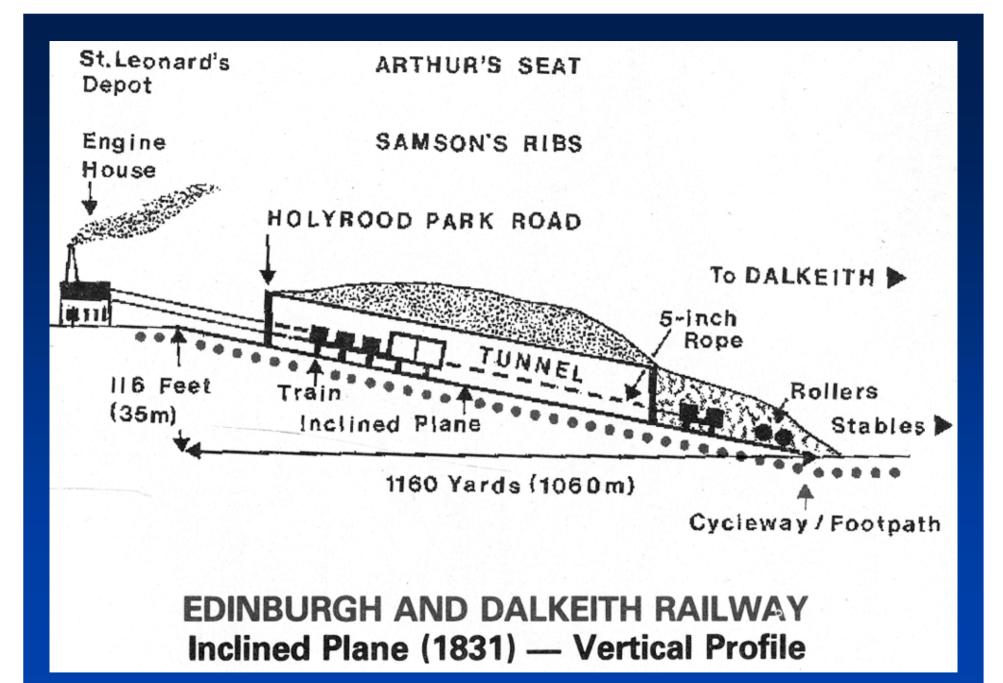


Laigh Milton Viaduct, Kilmarnock, 1811

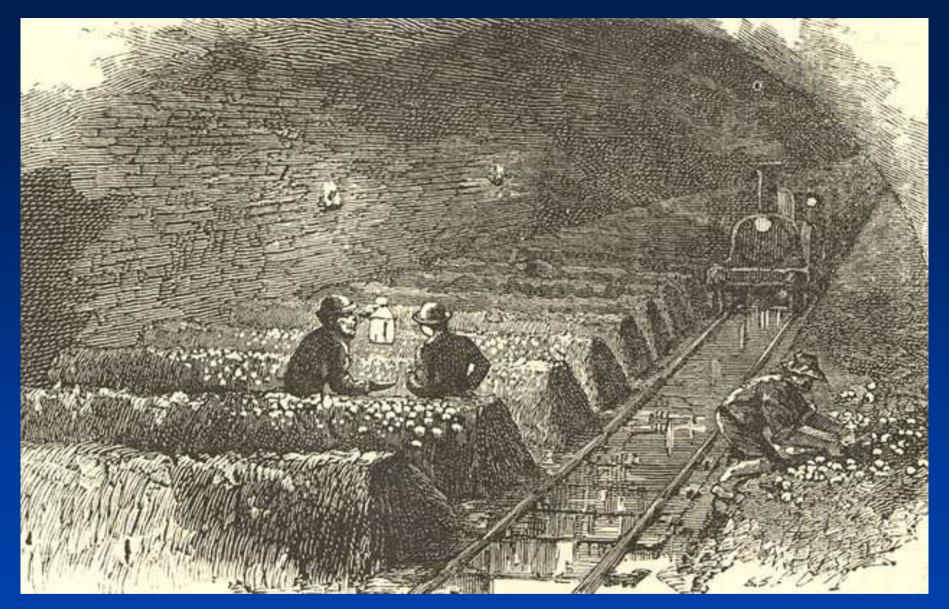
The world's earliest surviving viaduct on a public railway



Edinburgh and Dalkeith Railway – Lifting Braid Burn Bridge (1831) in 2001

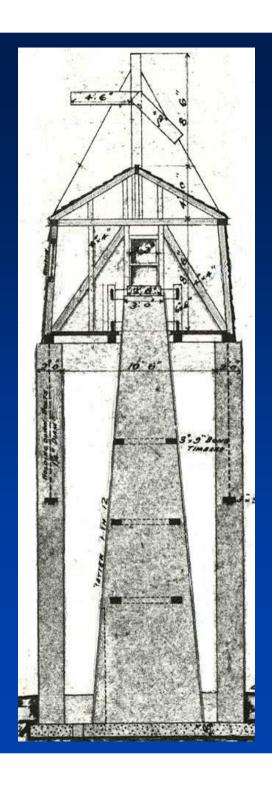


St Leonards' Tunnel and Inclined Plane



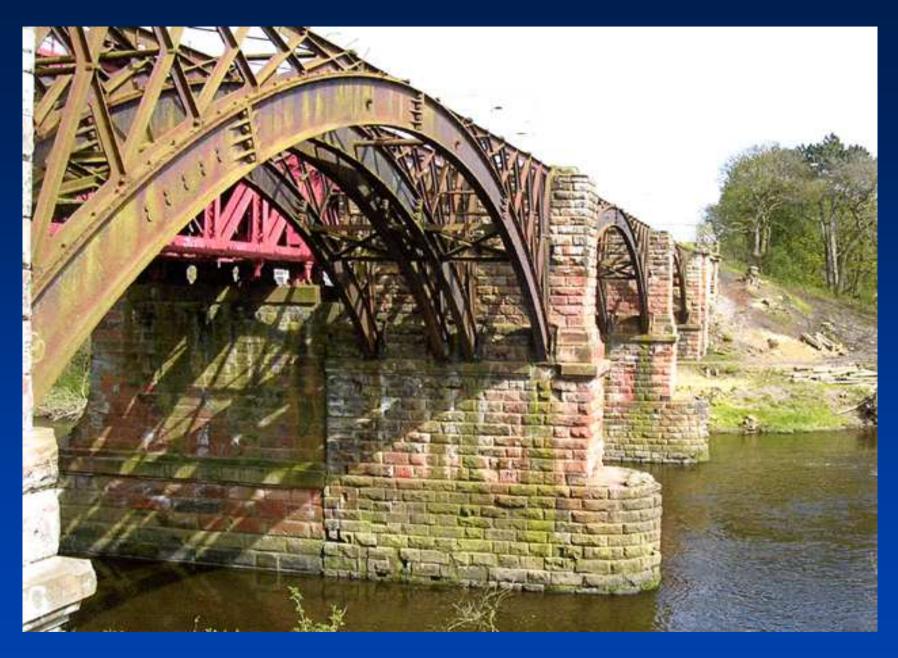
Scotland Street Tunnel, Edinburgh, 1847–68

Mushroom Growing in 1893



Talla Aqueduct Observatory 1901

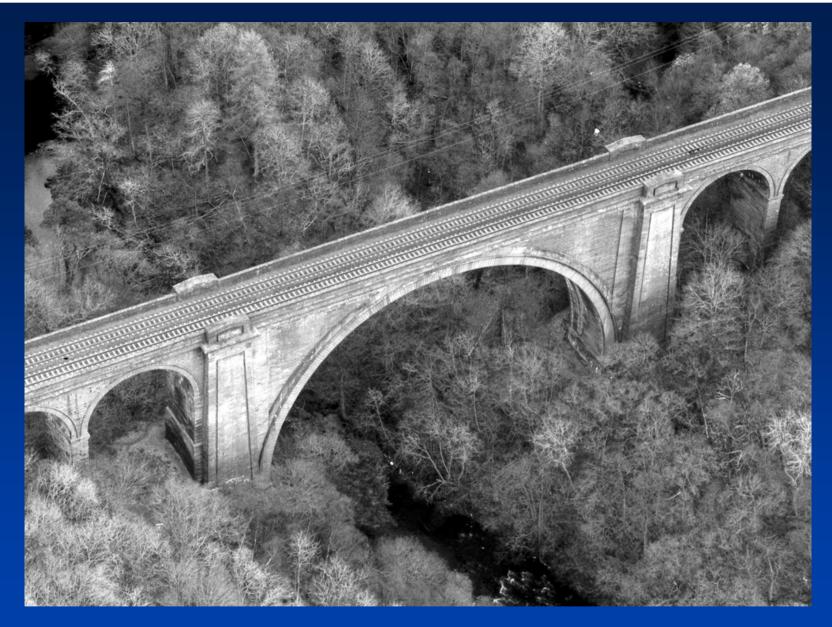
Typical 19th Century observatory for setting out tunnel lines – except for its construction in concrete



Uddingston Viaduct 1849 – Earliest survivor of type in Scotland

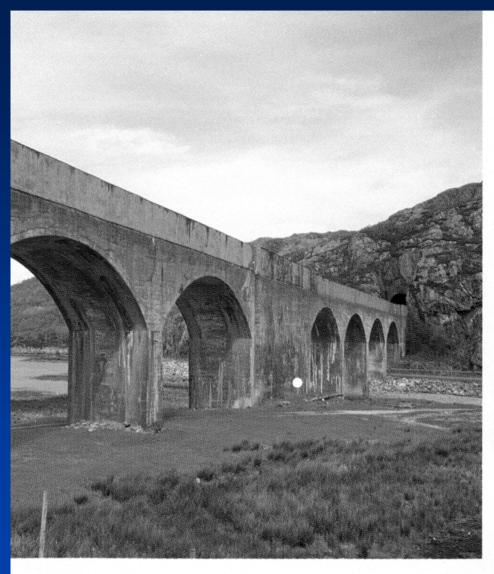


Queen's Street Station Roof, Glasgow 1879 (170 ft span)

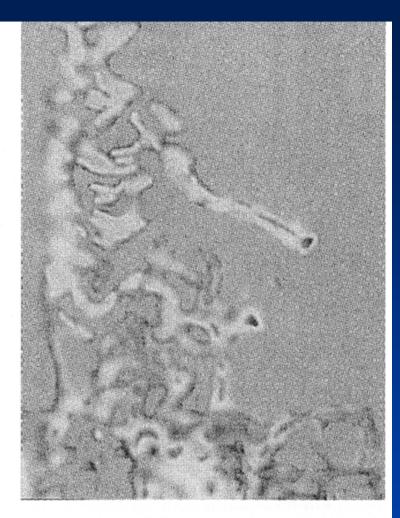


Ballochmyle Viaduct 1848 (181 ft span; 164 ft high)

Largest of type in UK

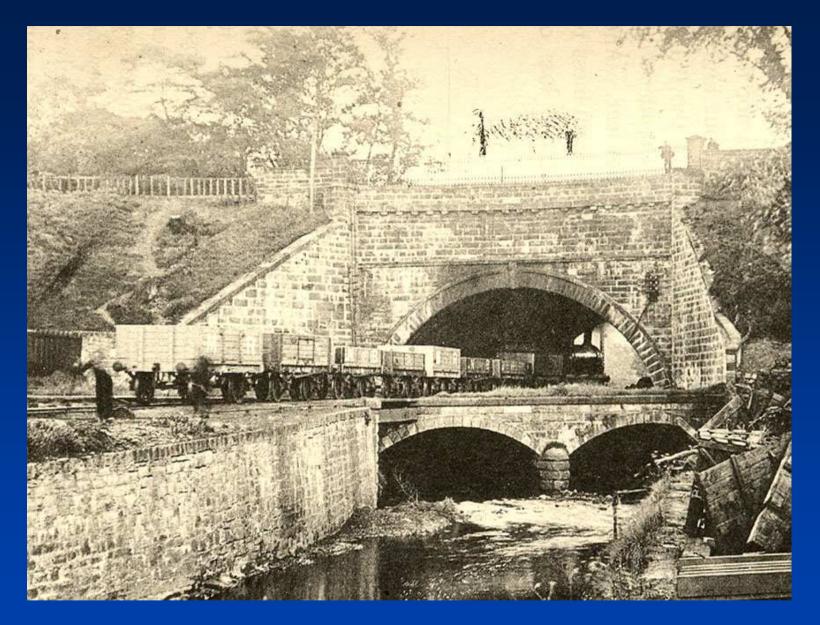


indicates the location of the horse and cart. (RCAHMS: D48255/CN)



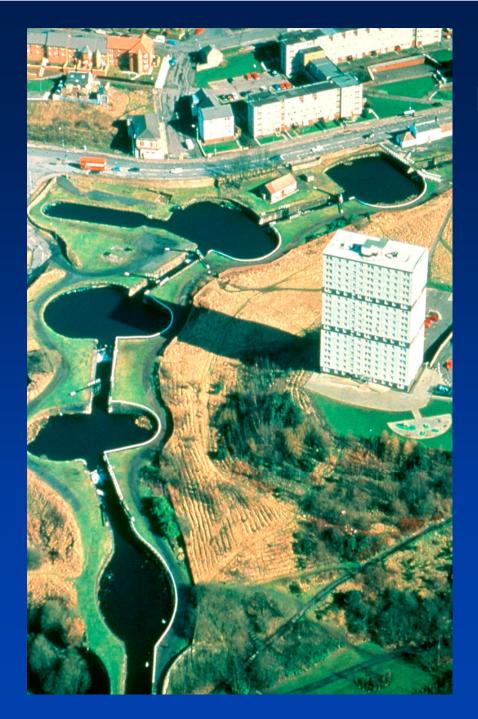
Loch nan Uamh Viaduct; radar scan of remains of horse and cart within central pier. (Courtesy of Radar World)

Loch-Nan-Uamh Viaduct c1899 – Mass Concrete



Forth and Clyde Canal

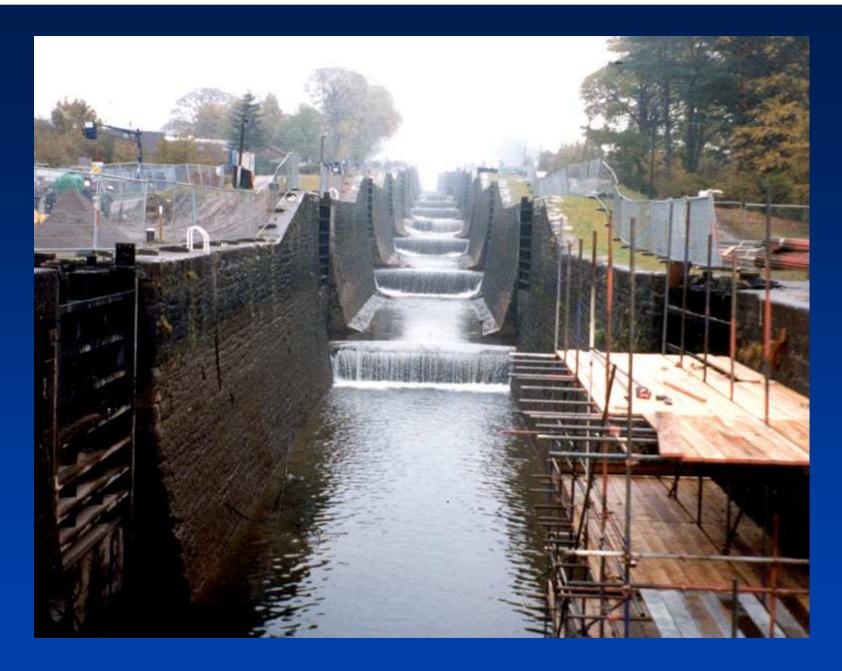
Luggie Aqueduct, Kirkintilloch 1774 (railway 1858)



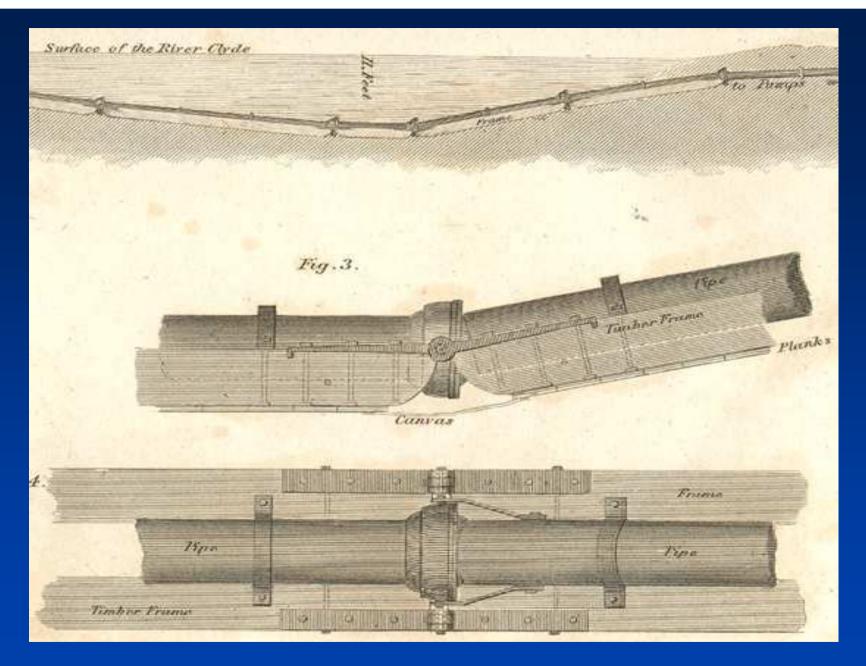
Forth and Clyde Canal, Maryhill Locks, Glasgow 1787



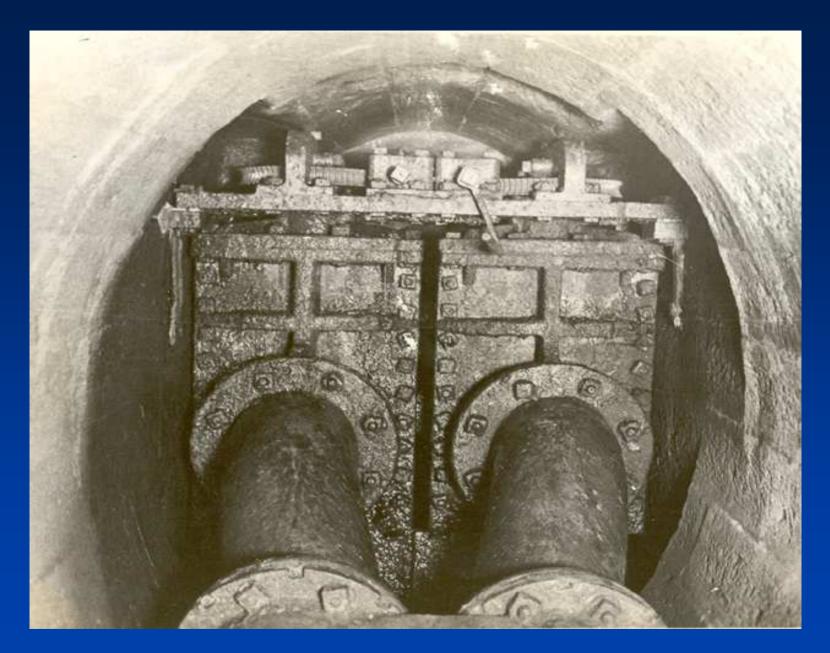
Caledonian Canal – Muirtown Locks and Swing Bridge 1890



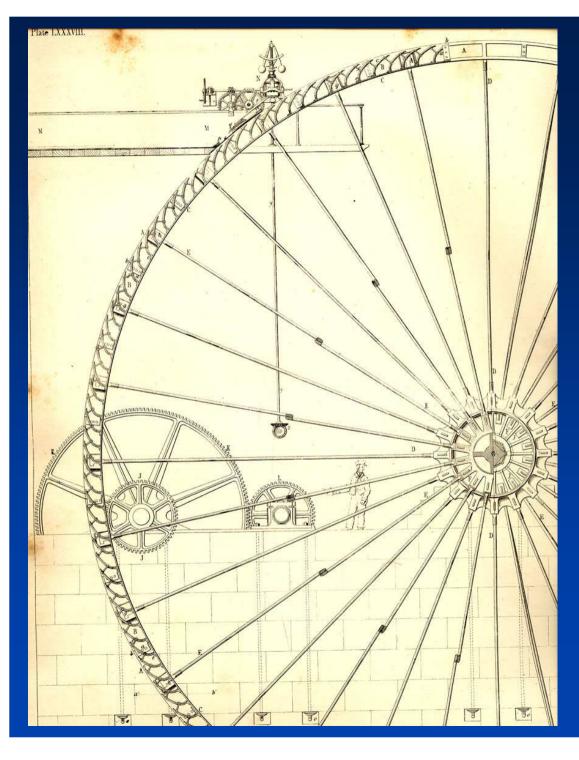
Caledonian Canal - Neptune's Staircase, Banavie, 1811



Glasgow Water – Watt's Flexible Iron Mains 1810-30



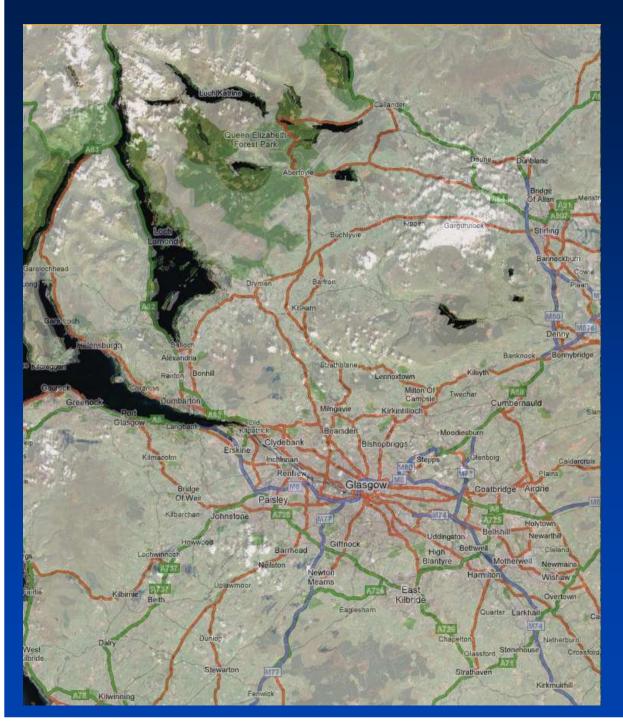
Edinburgh Water – Glencorse Dam Valves 1823



Greenock Water Loch Thom

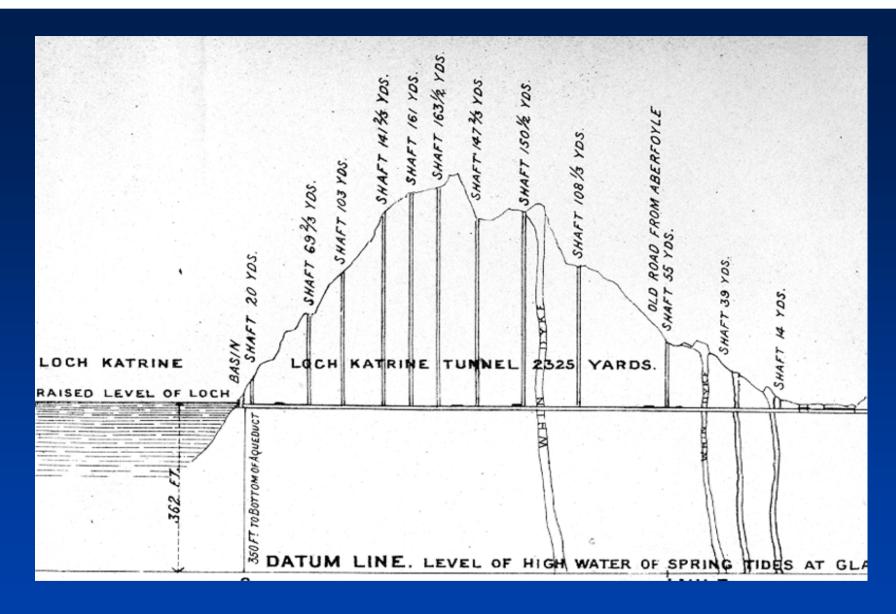
70 ft dia. Iron Waterwheel c 1840 [192hp]

For Shaws Water Cotton
Spinning company



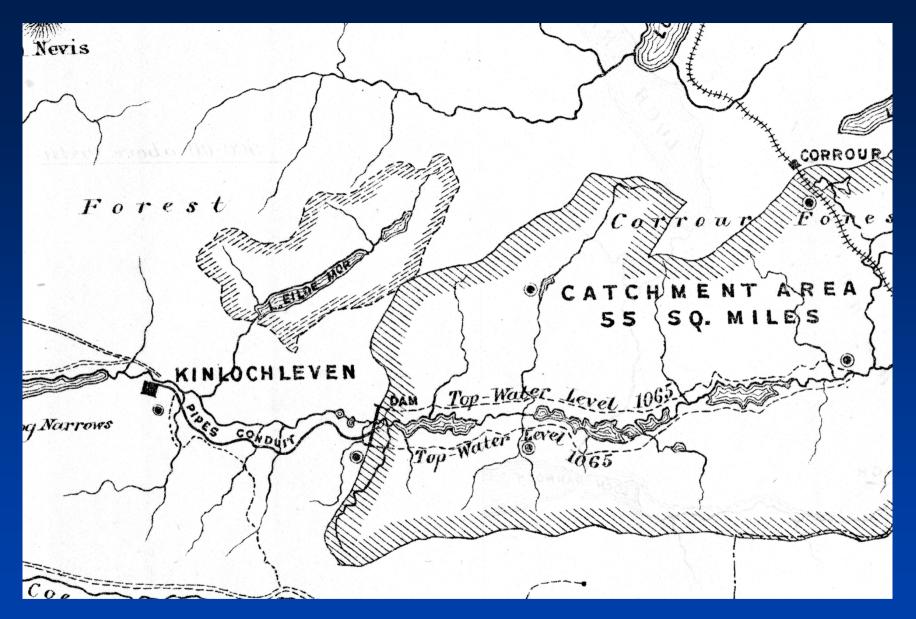
Glasgow Water Loch Katrine

1855 and 1885 Mains (36 miles)



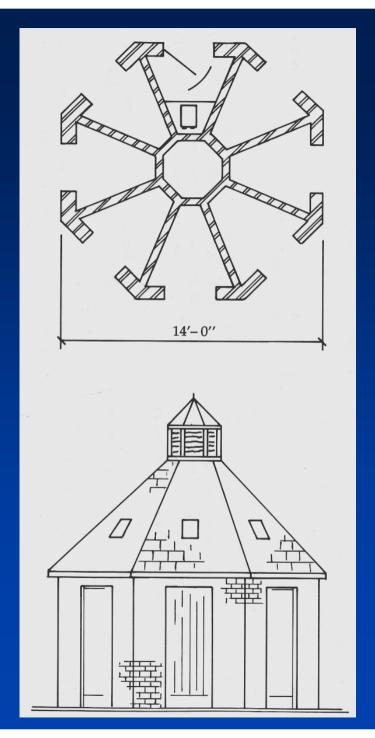
Glasgow Water – Loch Katrine Tunnel 1855

(50 mgd from 4ft rise in water level)

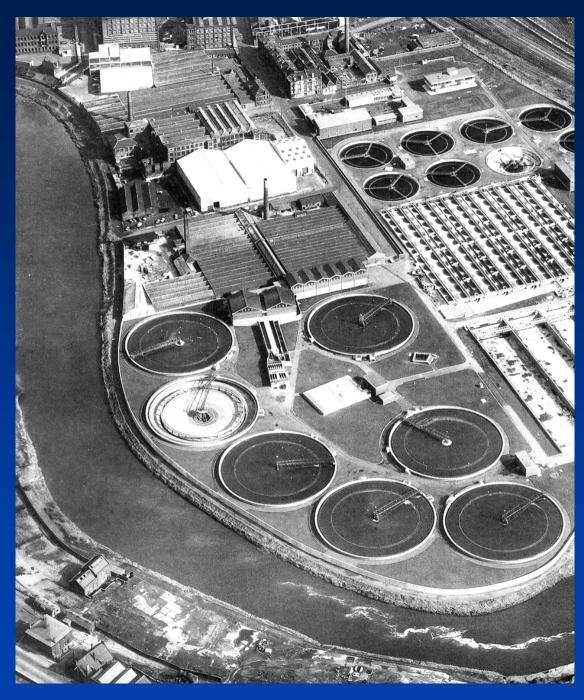


Kinlochleven Hydro-Electric Works 1909 (30,000 hp)

Mass concrete dam (86 ft high)

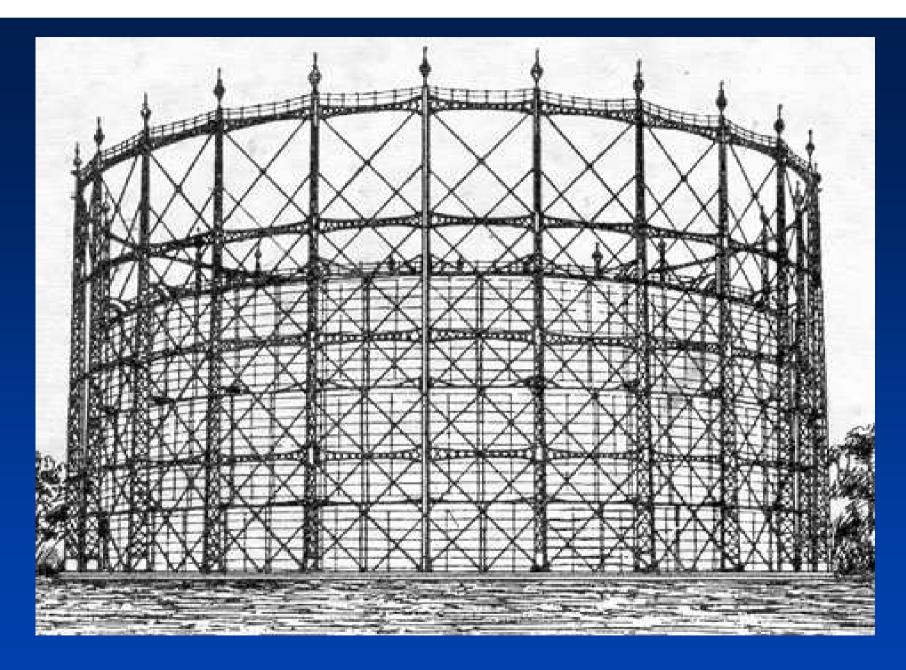


Parton's 'Houses of Parliament' Privy 1901

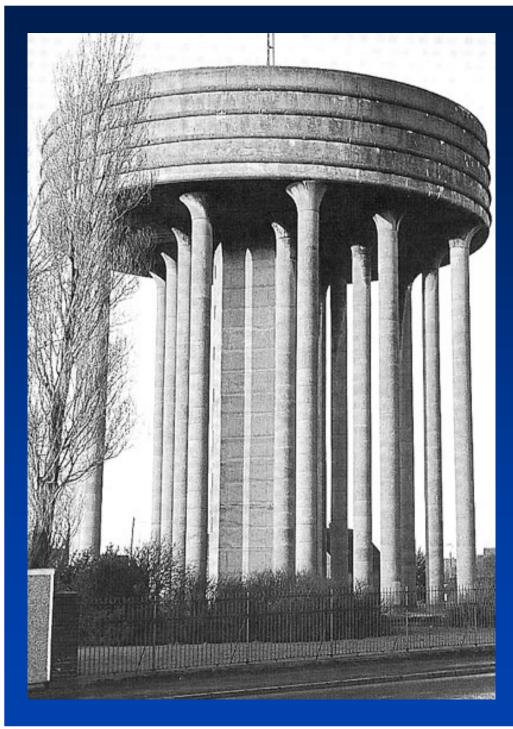


Dalmarnock Sewage Works 1894

('Globe Fertilizer' Sludge Cake)

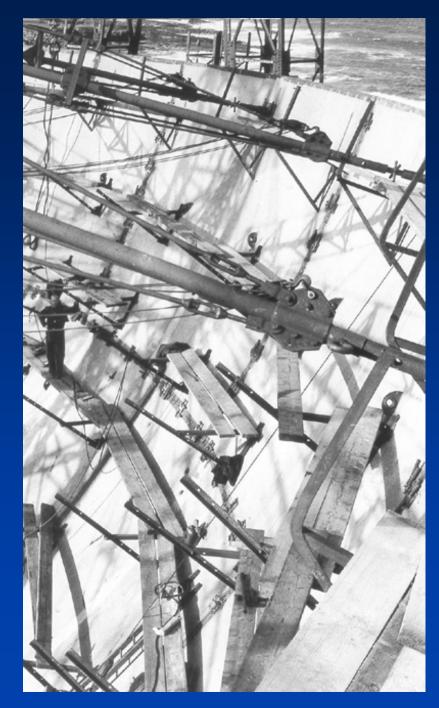


Granton Gasworks 1903 (252 ft dia. 7 m cub feet)



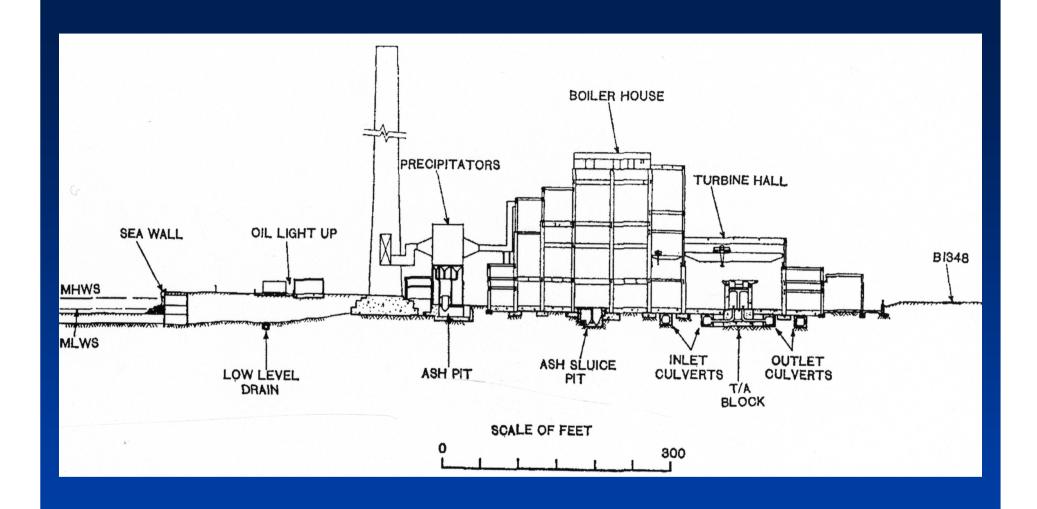
Garthhamloch Water Tower 1958

Largest tank in the UK



Dounreay Fast Reactor – Erecting Sphere 1959

Precursor of Hunterston 1964 and Torness 1984 stations



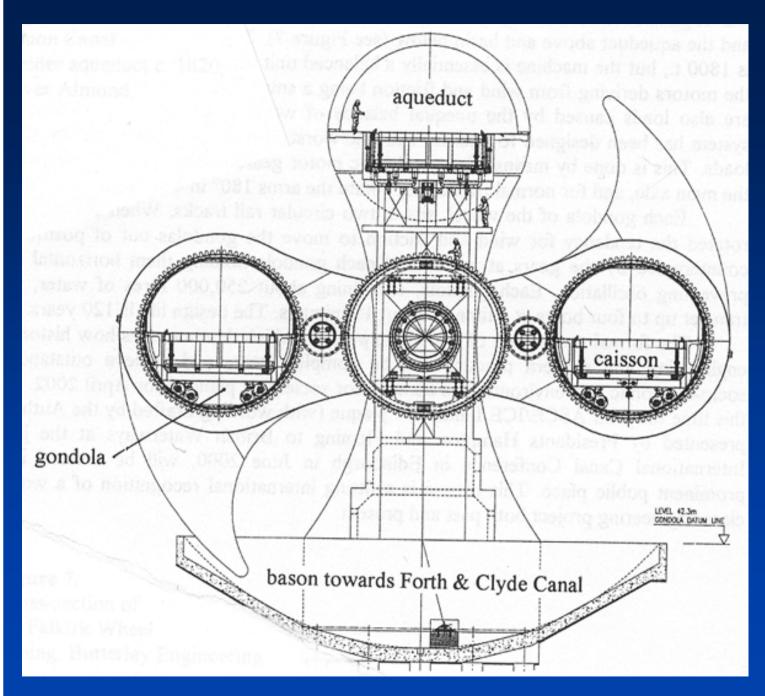
Cockenzie Coal-fired Power Station 1968 (steam pressure turbines)





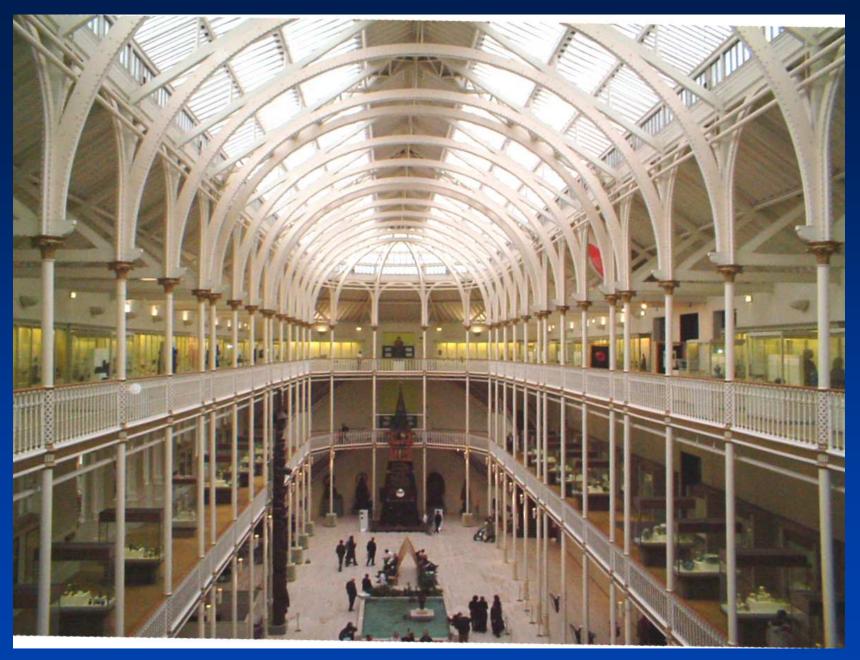
Aberdeen Maritime Museum – Model of Murchison Oil Platform 1980

(57,000 tons; 544 ft high jacket)



Forth and Clyde Canal – Falkirk Wheel 2002

(1800t : 35 m arms)



Industrial Museum of Scotland 1861-1866(E); 1875(W)