



# Transcript

## Document to show the cost of the Liverpool to Manchester Railway

This is a document to show the cost of the Liverpool to Manchester Railway, as estimated by its engineer and designer, George Stephenson. The railway was opened in 1830, but building had started in the 1820s. It was the first railway to completely run on steam power and have a signalling system. The document is dated 5th February 1825.

### Estimate of the Expense of the proposed Rail Road from the Port of Liverpool to the Town of Manchester

Forming Excavation & embankments	37,599	2	5
Bridges & other masonry	16,920		
Stone Blocks at ¼ each	15,957	6	8
Chairs or pedestals 10lbs each at 15 £ per ton	16,028	12	6
Rail, 4 lines of 35lbs per yard for 34 miles at £16.10 per ton	61,710		
Laying Rails & forming Road for 34 miles at 5/- per yard	14,960		
Fencing the Road	5,129	8	
Gates 400 @ £1.10 shillings each	600		
Waggons for making the Road	4,000		
Locomotive Engine 20 @ 600 £ each	12,000		
Boilers on the Road	1,500		
Cranes & machinery at the wharfs	2,000		
Warehouses & Offices	25,000		
Land	100,000		
Surveys & Act of Parliament	10,000		
Contingencies during the performance of the work	26,595	10	5
	£400,000		

George Stephenson  
February 5th 1825