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# Some Early Robey Steam Engines

**S Ben Porath**



## **Some Early Robey Steam Engines:**

Some Early Robey Steam Engines ,1986      Some Early Robey Steam Engines P Southworth,2014-06-10 Robert Robey was born in Nottingham in 1826 He established the business in Lincoln in 1854 with George Lamb Scott as Robey Scott at the Perseverance Ironworks In 1854 Robey Scott built the first iron framed threshing machine Another partner Thomas Gamble joined the firm Scott resigned in September 1856 and became Gamble Robey Robey Steam wagon The Robey Steam Wagon In 1861 the firm produced its first portable steam engine moving on to traction engines They also made steam engines for industry railways and steam wagons for the road Robeys was an important employer in Lincoln employing 114 men by 1865 By 1868 the firm was known as Robey Co Ltd The Perseverance Ironworks was enlarged in 1871 and covered a total area along Canwick Road of seven acres Robert Robey died in 1876 at the age of 50 in Nottingham where he then lived taking a less active part in the running of the business Robeys are believed to have built a prototype of steam ploughing equipment to the designs of W Savory but did not pursue this further A Robey steam engine won a gold medal for reliability at the Paris Exhibition in 1878 By 1885 Robeys manufacturing took place at the Globe Ironworks reflecting their world wide sales which was possibly a renaming of the site rather than a move to new premises Robeys produced threshing machines saw benches mills and elevators all for steam power Electrical plant supplied by Robeys lit Lincoln Cathedral to celebrate both the Golden and Diamond Jubilees of Queen Victoria The electric winding gear for Blackpool Tower was produced by Robeys Robeys main customers for winding gear were coal mines The strength of their general steam engineering business in boilers stationary engines etc enabled the firm to survive the decline of agricultural steam business after the First World War The firm added road rollers to the product range in the 1920s and after 1945 moved into electrical and diesel engineering finally going out of business in February 1988 This book was first printed in 1986      *An Economic History of British Steam Engines, 1774-1870* Haris Kitsikopoulos,2023-08-29 This book traces the diffusion trajectory of the second and third generation of British steam engines the Watt and high pressure models covering the period 1774 to 1870 It begins by subjecting to econometric analysis the latest version of Dr Kanefsky s database on 18th century steam engines coming up with an upward revision of the total amount of horsepower installed by 1800 Subsequent chapters delve into the determinants of the diffusion process through the third quarter of the 19th century relating to engines used both in mining and industry as well as transportation railways steam cars The book s main contribution to the literature lies in drawing material from a very large volume of 18th and 19th century sources found in the Dibner Library of Rare Books Smithsonian and by utilizing a fair amount of technical literature pertaining to the economic factors driving the diffusion process This great expansion of the empirical material has led to bringing multiple revisions to the work of other authors on the key aspects and determinants of the diffusion process In conjunction with the publication by the author of an earlier monograph on the first generation of steam engines the Newcomen model the present study completes the task of offering the most

comprehensive account of the preeminent and most strategic technology of the British Industrial Revolution This book will appeal to students scholars and researchers of economic history and history of technology interested in a better understanding of the industrial revolution in general and the role of British steam engines in particular **The Papers of Thomas A. Edison** Thomas A. Edison, Paul B. Israel, 1989 The sheer diversity of material offered here refreshingly transcends any exclusive restriction to Edisonia British Journal for the History of Science **Innovation and Technological Diffusion** Harry Kitsikopoulos, 2015-10-23 This book deals with two key aspects of the history of steam engines a cornerstone of the Industrial Revolution specifically the road that led to its discovery and the process of diffusion of the early steam engines The first part of the volume outlines the technological and scientific developments which took place between the 16th and 18th centuries proving critical for the invention of this strategic technology The most important question addressed is why did England come up with this innovation first as opposed to other countries e g France Italy which were more advanced in terms of knowledge pertinent to it The second part of the volume traces the process of diffusion of the early steam engines the Newcomen model through to 1773 the year prior to the first commercial application of the second generation of steam engines the Watt model The process of diffusion is quantified on the basis of a novel method before proceeding with a discussion of the main determinants of this process Kitsikopoulos pulls together a large amount of relevant evidence found in primary sources and more technically oriented literature which is often ignored by economic historians This book will be of interest to economic historians and historians of technology **The Economic History of Britain Since 1700** Roderick Floud, D. N. McCloskey, 1994-08-18 The most up to date and comprehensive survey of recent British economic history currently available The Newcomen Bulletin Newcomen Society (Great Britain), 1984 *Economic History of Energy and Environment* S. Sugiyama, 2015-05-15 This book is the first volume of a monograph series published by the Socio Economic History Society Japan The purpose of the series is to make works by Japanese scholars accessible to a wider readership and to increase the knowledge of scholars in this field particularly in relation to Asia This volume includes four chapters on energy and the environment of Japan China and Britain and four short book reviews on recent academic works published in Japanese and English The four chapters cover the following topics the relationship between deforestation and the development of the silk reeling industry in a district of Nagano Prefecture central Japan from the 1870s to the 1900s and the subsequent shift from firewood to coal the importance of timber supplies for the development of industry as illustrated by a case study on the supply of timber for use as rail sleepers in the Japanese national railway network during the prewar period a methodological survey of the history of ecology and the environment in China and an analysis of the British Smoke Nuisance Abatement Act of 1821 as a measure that incorporated the interests of politicians landlords and industrialists **The Electrician** , 1882 **The Electrical Engineer** , 1882 **American Gas-light Journal and Chemical Repertory** , 1894 *London in the Age of Industrialisation* L. D. Schwarz, 1992-10-29

Analyses the effects of the industrial revolution on London's working population      Engineering ,1924      **Annual Report**  
 South Australia. Woods and Forests Dept,1926      **Faster, Better, Cheaper in the History of Manufacturing** Christoph  
 Roser,2016-10-04 The industrial revolution mechanization water and steam power computers and automation have given an  
 enormous boost to manufacturing productivity Faster Better Cheaper in the History of Manufacturing shows how the ability  
 to make products faster better and cheaper has evolved from the stone age to modern times It explains how different  
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 about technology but also about social aspects Ultimately it is not a book about machines but about people      *The Engineer*  
 ,1860      Metropolitan Science Rebekah Higgitt,Jasmine Kilburn-Toppin,Noah Moxham,2024-08-22 Exploring distinctive  
 practices in the artisanal mercantile and governmental sites of London Metropolitan Science offers a new perspective on the  
 development of a scientific culture between the years 1600 1800 Beginning with the demographics of London in the 17th and  
 18th centuries including its attraction of migrants importance as a centre of empire and the role of its institutions in  
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 such as the Tower of London's Royal Mint and the Livery Company Halls this book examines the city's sites of exchange for  
 knowledge and practice and highlights the importance of both public and private spaces With exploration of London's  
 military and colonial history the authors acknowledge how its port and maritime trade were not only central to growth and  
 protection but also facilitated the organisation assessment valuation and pursuit of knowledge in the city Ultimately this book  
 demonstrates that London corporations produced unique knowledge communities that drew on networks across the city and  
 beyond and uses a variety of spatial and material approaches to reveal the use representation and exchange of practice in  
 these collective settings      **Social Networks in the History of Innovation and Invention** Francis C. Moon,2013-11-19  
 This book integrates history of science and technology with modern social network theory Using examples from the history of

machines as well as case studies from wireless radio and chaos theory the author challenges the genius model of invention Network analysis concepts are presented to demonstrate the societal nature of invention in areas such as steam power internal combustion engines early aviation air conditioning and more Using modern measures of network theory the author demonstrates that the social networks of invention from the 19th and early 20th centuries have similar characteristics to modern 21st C networks such as the World Wide Web The book provides evidence that exponential growth in technical innovation is linked to the growth of historical innovation networks

**James Watt** Ben Russell, 2014-08-15 Scottish inventor and mechanical engineer James Watt 1736 1819 is best known for his pioneering work on the steam engine that became fundamental to the incredible changes and developments wrought by the Industrial Revolution But in this new biography Ben Russell tells a much bigger richer story peering over Watt s shoulder to more fully explore the processes he used and how his ephemeral ideas were transformed into tangible artifacts Over the course of the book Russell reveals as much about the life of James Watt as he does a history of Britain s early industrial transformation and the birth of professional engineering To record this fascinating narrative Russell draws on a wide range of resources from archival material to three dimensional objects to scholarship in a diversity of fields from ceramics to antique machine making He explores Watt s early years and interest in chemistry and examines Watt s partnership with Matthew Boulton with whom he would become a successful and wealthy man In addition to discussing Watt s work and incredible contributions that changed societies around the world Russell looks at Britain s early industrial transformation Published in association with the Science Museum London and with seventy illustrations James Watt is not only an intriguing exploration of the engineer s life but also an illuminating journey into the broader practices of invention in the eighteenth and early nineteenth centuries Published in association with the Science Museum London

**The Oxford Handbook of the Ancien Régime** William Doyle, 2012 An exploration of current scholarly thinking about the wide and surprisingly complex range of historical problems associated with the study of Ancien Régime Europe

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