

Brunel The Man Who Built The World Phoenix Press

From tunnels and railways to bridges and ships, Isambard Kingdom Brunel would stop at nothing to realise his amazing engineering ideas. Born at the beginning of the nineteenth century, Brunel had a brilliant brain for design, and never tired of building new and exciting things – the deepest tunnel, the longest bridge, the fastest train. For Brunel, the average and the ordinary were just not good enough. A perfectionist and a control freak, he would stop at nothing to complete a project, even when it meant taking hair-raising risks. Short Books is re-releasing some of its finest writing as a newly designed series of six children's biographies called The Great Victorians. These are entertaining and engaging stories of some of history's most fascinating characters. They tell history in a novelistic, engaging way, a halfway house between storybooks and traditional history. There is abundant humour and drama too. With beautifully designed covers these books will catch the eyes of parents as well as children. Also published in a highly collectable set.

In 1887, William Jacomb, the esteemed civil engineer and final assistant of Isambard Kingdom Brunel, is found dead at his desk at Waterloo Railway Station. Underneath him there sits a manuscript, detailing nearly a century of corruption and a bizarre secret behind the industrial age. This is the story of the campaign to topple the secret society that rules the world of engineering, and destroy the secretive, mysterious book of ages - the mysterious Eternal Tome, unbeknownst to the world, that has created the Industrial revolution. Starring a multitude of historical figures, including Isambard Kingdom Brunel, Daniel Gooch, Robert Brereton and many more, every event in the Great London Conspiracy is informed by real life industrial revolution - with calamity, destruction and arguments interwoven with an otherwise fictional narrative. This is the secret tale of the age that created our modern way of life. This is a book that may well have you second guessing the reality of the Victorian era and those that built it. Written over a three year period with intensive research, the Great London Conspiracy is written to replicate and recapture the tone of the age - grease, stray bolts and all, through the eyes of a young engineer thrust into a situation he can't quite understand - revolving around Brunel's latest and greatest achievement. The Great London Conspiracy is a must read for those fascinated by conspiracies, societies and the Victorian world - not to mention the mysteries deep within that smoke, clag and oil that shrouded the city of London. In this perfect companion to London: The Biography, Peter Ackroyd once again delves into the hidden byways of history, describing the river's endless allure in a journey overflowing with characters, incidents, and wry observations. Thames: The Biography meanders gloriously, rather like the river itself. In short, lively chapters Ackroyd writes about connections between the Thames and such historical figures as Julius Caesar and Henry VIII, and offers memorable portraits of the ordinary men and women who depend upon the river for their livelihoods. The Thames as a source of artistic inspiration

comes brilliantly to life as Ackroyd invokes Chaucer, Shakespeare, Turner, Shelley, and other writers, poets, and painters who have been enchanted by its many moods and colors.

A dazzling, inventive literary adventure story in which Captain Ahab confronts Captain Nemo and the dark cultural stories represented by both characters are revealed in cliffhanger fashion. A sprawling adventure pitting two of literature's most iconic anti-heroes against each other: Captain Nemo and Captain Ahab. Caught between them: real-life British engineer Isambard Kingdom Brunel, builder of the century's greatest ship, The Great Eastern. But when he's kidnapped by Nemo to help design a submarine with which to fight the laying of the Transatlantic cable - linking the two colonialist forces Nemo hates, England and the US - Brunel finds himself going up against his own ship, and the strange man hired to protect it, Captain Ahab, in a battle for the soul of the 19th century.

Paddington Station in London is one of Britains most splendid and historically significant railway termini, as the home and headquarters of the Great Western Railway, and as one of the masterpieces of its chief engineer Isambard Kingdom Brunel (1806-59). Steven Brindles comprehensive history, the first full-length study of the station to be published, first appeared in 2004. Around the same time, in the course of research for the book, the author discovered Brunels earliest surviving cast-iron bridge, which spanned the Regents Canal just outside the station but had hitherto been unrecognised, just in time to prevent its destruction for a major new road bridge and negotiate its salvage by dismantling. The second edition of the book, richly illustrated from a wealth of historic sources and now published in a larger format, has been updated to take account of a series of momentous recent developments at Paddington: the reprieve and restoration of the stations Edwardian fourth span; the project to create a new entrance on its north side; and the impending redevelopment of its south side to serve as one of the principal stations on the new Crossrail route across London. The book concludes with a detailed account of the project to rebuild the Bishops Road Bridge project and the authors discovery and salvage of Brunels iron canal bridge: a rare instance when writing the history of a historic place directly influenced its future, and led to the saving of a unique part of the past.

An introductory biography to Isambard Kingdom Brunel. The book includes suggestions for places to visit.

Ways into History: Houses and Homes looks at the life and achievements of the great Victorian engineer and architect, Isambard Kingdom Brunel. It also explores his powerful legacy. Several of his main engineering achievements are examined through photographs, drawings and other historical objects, including the Clifton Suspension Bridge, the Thames Tunnel and the incredible influence he had on the railways, travel by ship and even the Crimean War. A simple timeline helps readers see the span of his achievements over time. In the Ways into History series, original illustrations and simple text bring the past alive, while questions and activities encourage historical research and build up confidence

and enthusiasm for British history at Key stage 1. For children aged 5+. Teaching and literacy notes are included to help parents and teachers use the book in a classroom setting and for home learning.

A major new biography of Britain's greatest engineer, the visionary Isambard Kingdom Brunel

Engineering genius, technical innovator and one of the greatest figures of the Industrial Revolution, Isambard Kingdom Brunel changed the face of the English landscape with his groundbreaking designs and ingenious constructions. L. T. C. Rolt's masterly biography is the definitive work on Brunel, tracing the life, times and monumental achievements of the man who helped to build modern Britain.

Mark Hodder's second Burton & Swinburne steampunk adventure, following the acclaimed *The Strange Affair of Spring Heeled Jack*, is filled with eccentric steam-driven technology, grotesque characters, and a deepening mystery. When a clockwork-powered man of brass is found abandoned in Trafalgar Square, Burton and his assistant, the wayward poet Algernon Swinburne, find themselves on the trail of the stolen Garnier Collection--black diamonds rumored to be fragments of the Lemurian Eye of Naga, a meteorite that fell to Earth in prehistoric times. From a haunted mansion to the Bedlam madhouse, from South America to Australia, from séances to a secret labyrinth, Burton struggles with shadowy opponents and his own inner demons. Can the king's agent expose a plot that threatens to rip the British Empire apart, leading to an international conflict the like of which the world has never seen? And what part does the clockwork man have to play? From the Trade Paperback edition.

Describing the course of British engineering throughout the 19th century, this survey gives accounts of such major developments as the building of the railways, the growth of ship-building and the introduction of gas and electricity. It examines the individual achievements of Brunel, Joseph Paxton and Robert Stephenson among others, and explains how industrialization changed the face of the environment. The book concludes by considering why the Victorians' mood of optimism turned to one of disillusionment. It argues that the Victorians failed to come to terms with the consequences of industrialization, and that many of the innovations of British engineers found their best expression in other countries.

William George Armstrong was a visionary inventor, scientist and businessman who bestrode the 19th-century world like a colossus, bringing global renown to his Elswick works at Newcastle upon Tyne, which employed 25,000 people in the manufacture of hydraulic cranes, ships and armaments. He created Cragside in Northumberland, and planted in its grounds seven million trees; his guests at Cragside included the Shah of Persia, the King of Siam, the Prime Minister of China and two future British kings. *Magician of the North* is much more than the life of one man, however. It is the story of Britain at the height of empire, riding the crest of industrial and technological success. The Queen and the Prince Consort played a vital role in fostering the scientific ferment, but so did characters such as Michael Faraday, Charles Darwin and Thomas Huxley.

Few people can have had such a dramatic impact on Britain than Isambard Kingdom Brunel. More than many kings, warriors and politicians, this icon of the Victorian age transformed not just the landscape of a nation but left a lasting legacy of physical monuments and dynamic innovation that together played a major part in turning Britain into a superpower. Rather than a

conventional biography of Brunel's life, this unique book shows how this most famous of engineers revolutionised transport, industry and much more through the story of his achievements – his grand designs, innovations and technological breakthroughs. It explores in fascinating detail Brunel's great bridges, tunnels, railways and stations; it charts how he came to revolutionise shipping with evermore ambitious projects; it examines the remarkable contribution Brunel made in other fields including construction, town planning and military applications; and it looks at the brave but flawed schemes that didn't quite succeed but which were still testimony to his genius, as well as considering his lasting legacy. Superbly illustrated and packed with facts, detail and key information, this is a fresh and fascinating look at the extraordinary achievements of a truly great man.

Conquerors of Time celebrates 150 years of courage, energy, innovation, resourcefulness and grand ideas, from the late 17th century to the early 20th. It's about the seafarers, engineers, inventors and trailblazers who enabled the British to hold together a vast empire and the Americans to push their frontiers west. Some, such as Captain Cook and Robert Stephenson are famous. Others, like the makers of chronometers, the collectors of tropical plants or the railway engineers who roughed it in the Canadian wilderness are less well-known. What they all had in common is a desire to understand the world and a determination to harness the forces of nature. 'Trevor Fishlock's brio and broad vision matches those of his subjects and makes for a rattling good read.' Lawrence James, Daily Mail 'Fact-filled and highly evocative ... the sheer romance of the story is irresistible.' Sunday Telegraph

From the best-selling author of THE DINOSAUR HUNTERS and THE LOST KING OF FRANCE comes the story of how our modern world was forged – in rivets, grease and steam; in blood, sweat and human imagination.

“... one of the most original books I've ever read.” – I Heart Reading “One of my most enjoyable reads of this year, cracking along at high speed and using intriguing ideas to create a world that's like a cracked mirror version of our own history.” – BookieMonster In the heart of London lies the Engine Ward, a district forged in coal and steam, where the great Engineering Sects vie for ultimate control of the country. For many, the Ward is a forbidding, desolate place, but for Nicholas Thorne, the Ward is a refuge. Deep within the bowels of the Ward, Nicholas can finally escape his strange affliction – the thoughts of animals that crowd his head. The shadows of his past hang over him, forcing him to remain hidden alongside the Stokers – a forgotten people who toil day and night to keep the boilers of the Ward constantly firing, so that the engine of progress may continue to hum. But rebellion is stirring within the ranks of The Stokers, led by Nicholas' childhood friend, the brilliant engineer, Isambard Kingdom Brunel. Forbidden to do the work that brings him his only joy, Brunel innovates in secret, his mind growing ever more twisted by the desire for knowledge. Battles rage in the shadows of bizarre buildings at the heart of this nightmarish alternative London. As men transform into flesh-eating monsters, Nicholas and Brunel seek a way to restore peace – will London's salvation come from a mechanical army, or on the backs of prehistoric beasts? The Sunken is the first book in the Engine Ward fantasy series by S C Green. For fans of China Mieville and Neal Stephenson who want to explore the clash of religion, technology, and bestiary in a city on the cusp of industrial revolution. metaphysical fantasy, dark fantasy, epic fantasy, grim dark, steampunk, science fiction, alternate history, Victorian,

Georgian, London, dragons, dinosaurs, zombies, vampires, dystopian, gothic, historical fantasy

A celebration of the life and engineering achievements of Isambard Kingdom Brunel by two of the world's foremost authorities. In his lifetime, Isambard Kingdom Brunel towered over his profession. Today, he remains the most famous engineer in history, the epitome of the volcanic creative forces which brought about the Industrial Revolution - and brought modern society into being. Brunel's extraordinary talents were drawn out by some remarkable opportunities - above all his appointment as engineer to the new Great Western Railway at the age of 26 - but it was his nature to take nothing for granted, and to look at every project, whether it was the longest railway yet planned, or the largest ship ever imagined, from first principles. A hard taskmaster to those who served him, he ultimately sacrificed his own life to his work in his tragically early death at the age of 53. His legacy, though, is all around us, in the railways and bridges that he personally designed, and in his wider influence. This fascinating new book draws on Brunel's own diaries, letters and sketchbooks to understand his life, times, and work.

'A fascinating celebration of the impact that structural engineering has on all our lives...[an] eye-opening book' The Sunday Times
In BUILT, structural engineer Roma Agrawal takes a unique look at how construction has evolved from the mud huts of our ancestors to skyscrapers of steel that reach hundreds of metres into the sky. She unearths how engineers have tunnelled through kilometres of solid mountains; how they've bridged across the widest and deepest of rivers, and tamed Nature's precious - and elusive - water resources. She tells vivid tales of the visionaries who created the groundbreaking materials in the Pantheon's record-holding concrete dome and the frame of the record-breaking Eiffel Tower. Through the lens of an engineer, Roma examines tragedies like the collapse of the Quebec Bridge, highlighting the precarious task of ensuring people's safety they hold at every step. With colourful stories of her life-long fascination with buildings - and her own hand-drawn illustrations - Roma reveals the extraordinary secret lives of structures.

A New Statesman Book of the Year for 2017 His father conceived of the Brooklyn Bridge, but it was Washington Roebling who built this iconic feat of human engineering after his father's tragic death. It has stood for more than 130 years and is now as much a part of New York as the Statue of Liberty or the Empire State Building. Yet, as recognisable as the bridge is, its builder is too often forgotten. The Chief Engineer is a brilliant examination of the life of one of America's most distinguished engineers. Roebling's experience as an engineer building bridges in the Union Army during the civil War has never before been documented, and played a central role in the bridge that links Brooklyn and Manhattan. The Brooklyn Bridge took fourteen dramatic years to complete, and the personal story that lay behind that construction is told here for the first time. The Chief Engineer is an engaging portrait of a brilliant and driven man, and of the era in which he lived. Meticulously researched, and written with revealing archival material only recently uncovered, including Washington Roebling's own memoir that was previously thought to be lost to history, in The Chief Engineer Erica Wagner relates the fascinating history of the bridge and its maker.

Robin Jones' history of the Great Western Railway line and its founding father.

The enthralling Sunday Times-bestselling biography of the shepherd boy who changed the world with his revolutionary

engineering and whose genius we still benefit from today Thomas Telford's name is familiar; his story less so. Born in 1757 in the Scottish Borders, his father died in his infancy, plunging the family into poverty. Telford's life soared to span almost eight decades of gloriously obsessive, prodigiously productive energy. Few people have done more to shape our nation. A stonemason turned architect turned engineer, Telford invented the modern road, built churches, harbours, canals, docks, the famously vertiginous Pontcysyllte aqueduct in Wales and the dramatic Menai Bridge. His constructions were the greatest in Europe for a thousand years, and - astonishingly - almost everything he ever built remains in use today. Intimate, expansive and drawing on contemporary accounts, *Man of Iron* is the first full modern biography of Telford. It is a book of roads and landscapes, waterways and bridges, but above all, of how one man transformed himself into the greatest engineer Britain has ever produced.

A simple series that follows the KS1 history curriculum topics and introduces history at a level that really works.

A brilliant, perceptive biography of the father and son who initiated the age of the railway.

Brunel very nearly amazed us all by being named outright winner on BBC television's *Greatest Britons*, where he was presented by Jeremy Clarkson. In this biography, Adrian Vaughan draws on a range of evidence to reveal not just an engineer of genius, a fountain of original ideas and nervous energy, a born actor and courageous leader, but also a man who was obstinate, unjust, dictatorial and in the end paranoid. Insecurities he confided only to a journal he kept locked. His drive cost others dear: lives and fortunes were lost in the execution of his dramatic projects. He was an engineering knight-errant, not interested in mundane solutions but in daring experiments that would make him famous. Brunel's superbly engineered railways and bridges, and three great ships, serve as his monument. Much of his work is still in place, as serviceable as when it was first built. But he sold his soul to ambition, and like Faust he paid.

From tunnels and railways to bridges and ships, Isambard Kingdom Brunel would stop at nothing to realise his amazing engineering ideas. Born at the beginning of the nineteenth century, Brunel had a brilliant brain for design, and never tired of building new and exciting things - the deepest tunnel, the longest bridge, the fastest train. For Brunel, the average and the ordinary were just not good enough. A perfectionist and a control freak, he would stop at nothing to complete a project, even when it meant taking hair-raising risks. Part of *The Great Victorians*- a newly designed series of entertaining and engaging biographies for children.

"Brunel" tells the story both of the engineer and of the man in the context of his times. It explores his successes and failures, at home and abroad, including both the broad gauge Great Western Railway and the SS Great Eastern, bringing out Brunel's imagination, drive and inventiveness.

Marc Isambard Brunel (1769-1849) nourished an extraordinary intellect, in spite of a tyrannical father. After serving in Louis XVI's navy as an officer cadet, he left France and, at the age of 30, came to Britain via America; 50 years later he died here. Napoleon Bonaparte (1769-1821) nourished an equally extraordinary intellect. On leaving his native island of Corsica he went to France, where he became First Consul aged 30 and waged war against Britain. He died in St. Helena 22 years later. This revised

biography of Marc Brunel reveals, for the first time, how both these temperamentally opposed men labored, unceasingly and with great courage, on behalf of their adopted countries, and how much Marc Brunel contributed to Napoleon's ultimate defeat. Marc Brunel was a man without malice. In addition to being an inventor, artist, and musician, he was the 19th century's most innovative engineer. Until recently, however, he has been acknowledged less for his achievements than for fathering his brilliant and indefatigable son Isambard Kingdom Brunel (1806-59). Until the age of 56, Marc Brunel was primarily an inventor, but Isambard took his father's and others' inventions when they were barely visible seeds and turned them into highly visible fruits in the shape of steam ships and railways. Marc Brunel worked in a relatively literate age and his frequently forthright comments were eagerly sought by reporters of many newly established daily papers. He never became a "celebrity." This authoritative work must represent the definitive exploration of this remarkable man's life and brings his considerable achievements into focus for the modern historian. Entertaining yet highly informative, and enhanced by a selection of beautifully produced illustrations, it will be widely welcomed.

By use of private papers hitherto unavailable to biographers, the author reveals the 19th-century England engineer who imparted more momentum to the greatest social revolution in all history than any other single man.

No one performs on the circus trapeze like 16-year-old Rémy Brunel. But Rémy also leads another life, prowling through the backstreets of Victorian London as a jewel thief. When she is forced to steal one of the world's most valuable diamonds, she uncovers a world of treachery and fiendish plots.

This is the life of Isambard Kingdom Brunel, a man of vigorous imagination and an engineer of genius whose railways and bridges in the 19th century changed the face of Britain.

London, 1857 the Lazarus Club. Some of the finest, most-unconventional minds in Victorian Britain including Charles Darwin, Charles Babbage and Isambard Kingdom Brunel are members of this illustrious brotherhood. Their meetings take place behind closed doors, their discussions are revolutionary and their conclusions sometimes forbidden. Knowing nothing of this secret society, Dr George Phillips, a young and ambitious surgeon, is intrigued to encounter Brunel over a well-used cadaver in the gory pit of his dissection theatre. It soon becomes apparent that the great engineer has mysterious plans for the good doctor. And so Phillips becomes embroiled in the enigmatic machinations of the Lazarus Club, unaware that in the midst of their unorthodox club, a black conspiracy lurks. Not only is his own life in jeopardy, but as the first mutilated body is washed up on the banks of the Thames so the very foundations of Victorian society are set to be rocked to their core.

Isambard Kingdom Brunel. Three names. Three people in one. Born in Portsmouth on 9 April 1806, there was Brunel the great engineer, who would habitually throw out the rule book of tradition and established practice, and start again with a blank sheet of paper, taking the technology of the day to its limits and then going another mile. Then there was Brunel the visionary, who knew that transport technology had the power to change the world, and that he had the ability to deliver those changes. Finally, there was Brunel the artist who rarely saw technology as just functional, and strove to entwine the fruits of the Industrial Revolution with

the elegance and grace of the neo-classical painter. His bridges, tunnels and railway infrastructure have entered a third century of regular use, and the beauty of their design and structure has rarely been equalled. The three decades, from the 1830s to the 1850s, saw an explosion of technical excellence, and it was Brunel who in so many cases lit the blue touch paper. He did not always get it right first time, and it was left to others to reap the fruits of his many labours. Nevertheless, his actions fast-forwarded the march of progress by several decades.

Much is known about the achievements of George Stephenson and of his infamous creation, the Rocket, yet little is known of the man himself. This volume is a profile of the self-taught and often testy Geordie, whose Victorian invention is now the backbone of every nation on the planet.

BrunelThe Man Who Built the World

Thomas Telford's life was extraordinary: born in the Lowlands of Scotland, where his father worked as a shepherd, he ended his days as the most revered engineer in the world, known punningly as The Colossus of Roads. He was responsible for some of the great works of the age, such as the suspension bridge across the Menai Straits and the mighty Pontcysyllte aqueduct. He built some of the best roads seen in Britain since the days of the Romans and constructed the great Caledonian Canal, designed to take ships across Scotland from coast to coast. He did as much as anyone to turn engineering into a profession and was the first President of the newly formed Institution of Civil Engineers. All this was achieved by a man who started work as a boy apprentice to a stonemason. rn He was always intensely proud of his homeland and was to be in charge of an immense programme of reconstruction for the Highlands that included building everything from roads to harbours and even designing churches. He was unquestionably one of Britain's finest engineers, able to take his place alongside giants such as Brunel. He was also a man of culture, even though he had only a rudimentary education. As a mason in his early days he had worked alongside some of the greatest architects of the day, such as William Chambers and Robert Adams, and when he was appointed County Surveyor for Shropshire early in his career, he had the opportunity to practice those skills himself, designing two imposing churches in the county and overseeing the renovation of Shrewsbury Castle. Even as a boy, he had developed a love of literature and throughout his life wrote poetry and became a close friend of the Poet Laureate, Robert Southey. He was a man of many talents, who rose to the very top of his profession but never forgot his roots: he kept his old masons' tools with him to the end of his days. rn There are few official monuments to this great man, but he has no need of them: the true monuments are the structures that he left behind that speak of a man who brought about a revolution in transport and civil engineering.

The story of Brunel's most famous ship and the people who knew her, using new archive sources

One of the great minds of the 19th century, Isambard Kingdom Brunel was responsible for some of the most impressive engineering feats of his day. By the age of 26, he had been appointed chief engineer of the Great Western Railway, linking Bristol to London. His love of steamships led him to build a series of revolutionary vessels, including the Great Britain—the first steamship to cross the Atlantic. Illustrated with a wealth of blueprints, drawings, and rare photographs, this new biography tracks the life and achievements of this Victorian-era genius. A fascinating portrait of ambition and innovation, Brunel provides ample evidence to support the claim that Brunel was indeed “the man who built the world.”

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