



1001 Inventions That Changed the World

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1001 Inventions That Changed the World From Brand: Barron's Educational Series

Medical advances, from antiseptic surgery to the electron microscope... and much more.

Inventors and pioneers of science and technology, including Eli Whitney, James Watt, Benjamin Franklin, Henry Bessemer, Thomas Edison, J.B. Dunlop, the Wright Brothers, Werner von Braun, Jonas Salk, J. Robert Oppenheimer, and many others are also discussed. Fascinating photos and illustrations complement authoritative summaries of each invention, and remarkable quotations from many of the inventors add to this chronicle of human ingenuity that began some 6,000 years ago with the invention of the wheel. Approximately 700 photos and illustrations in color and black and white.

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Editorial Review From [Booklist](#)

This overview of creative thinking and innovation moves chronologically from one advancement to another. Photos, advertisements, and schematics of the locomotive, zoom lens, lie detector, World Wide Web, and Segway enhance history with succinct captioning and color or black-and-white illustrations of the devices in use. Commentary and glosses are succinct and inclusive without dumbing down the material. Beginning with stone tools and fire, coverage veers rapidly away from domestic developments. The list omits knitting, a medieval transformation in clothing design, and subsequent necessities such as the infant nurser, faucet diverter valve, powdered yeast, sheet gelatin, denim, oven thermometer, garment elastic, and food processor. Weaknesses include unusual spelling errors (carburettor, brwmpplant) and inadequate cross-referencing. Although there are indexes for inventions and inventors, the absence of a general index is a drawback. Nonetheless, this is a valuable and inexpensive reference text for the school and public library and for the homeschooler. --Mary Ellen Snodgrass Review
"takes a look at the gadgets and innovations, big and small, that have shaped the way we live. It offers an impressive look at technological history."

—*History Magazine*, June/July 2009

From the Inside Flap

(back cover)

Every day we make use of countless inventions that we take for granted. Some, such as safety pins and toothbrushes, are simple domestic items that make our lives easier. Others, such as traffic lights and antibiotics, can make the difference between life and death. But how much do you actually know about these objects that are part of our daily lives? **1001 Inventions That Changed the World** is an enthralling guide to the world's most important scientific and technological advances. Authoritatively written by a team of historians, designers, scientists, and anthropologists, **1001 Inventions That Changed the World** tells the stories behind the innovations, thus presenting a comprehensive history of the world--through invention and discovery.

(front flap)

Have you ever wondered who made the first moving staircase that eventually became the escalator--or mused over when the first pair of scissors were used? From the development of the abacus to the creation of the zipper, **1001 Inventions That Changed the World** presents a fascinating and comprehensive review of the scientific and technological breakthroughs that have had an impact on the human experience. Covering events that start with the invention of the wheel circa 4000 B.C.E. and progress to the cloning of Dolly the sheep in 1996, this wide-ranging book explores the stories behind each innovation, tracing its development from concept to completion. Engaging, accessible, and enlightening, **1001 Inventions That Changed the World** is a unique history of human inventiveness and inquisitiveness. It reveals the origins and evolution of everything from the invention of paper to the design of the personal computer, and from the discovery of penicillin to the development of the contraceptive pill. It investigates the invention of simple items we now take for granted--the paper clip, the rivet, the toothbrush, the seat belt--and the development of complex medical and technological advances--antibiotics, jet propulsion, the atomic bomb, and genetically modified organisms.

Fascinating photos and illustrations complement authoritative summaries that are supplemented with intriguing and surprising quotations from the inventors and early users. Entertaining to dip into, **1001 Inventions That Changed the World** can also be read as a comprehensive history of the world through human inventions. Science and technology expert Jack Challoner and his team of historians, designers, scientists, and anthropologists take you on a journey of discovery in this enthralling study of human achievement.

(back flap)

Jack Challoner studied physics at Imperial College, London, and teacher training at Kingston-upon-Thames. He worked in the Education Unit of the Science Museum, London, where he explained scientific developments to visitors. Jack has written nearly 30 books on science and technology topics for readers of all ages and has acted as consultant science editor on many other books. He also presents science shows in both formal and informal educational settings. He currently lives in France with his wife and daughter.

Users ReviewFrom reader reviews:

Marie Nitta: The book 1001 Inventions That Changed the World make you feel enjoy for your spare time. You can utilize to make your capable far more increase. Book can to become your best friend when you getting stress or having big problem using your subject. If you can make examining a book 1001 Inventions That Changed the World to be your habit, you can get a lot more advantages, like add your current capable, increase your knowledge about several or all subjects. It is possible to know everything if you like start and read a e-book 1001 Inventions That Changed the World. Kinds of book are several. It means that, science reserve or encyclopedia or other folks. So , how do you think about this reserve?

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