

## Inventions and Discoveries

A selection of people who made outstanding contributions to technological developments is given below. There are, of course, many others. The approximate year of the invention or discovery is also given.

Inventor	Year	Development
Robert Boyle (Ire.)	1662	Relation between gas, pressure and volume
Thomas Newcomen (Eng.)	1712	Steam engine
James Watt (Scot.)	1769	Steam engine with separate condenser
Eli Whitney (U.S.)	1793	Cotton gin. Mass production methods (1798)
Alessandro Volta (It.)	1800	Electric battery
Henry Maudslay (Eng.)	1800	Screwcutting lathe
Richard Trevithick (Eng.)	1804	Steam locomotive
Humphrey Davy (Eng.)	1815	Miner's safety lamp
Karl von Sauerbronn (Ger.)	1816	Bicycle
Joseph Niepse (Fr.)	1822	Camera
Charles Babbage (Eng.)	1823	Digital calculating machine
John Walker (Eng.)	1827	Match
James Neilson (Scot.)	1828	Preheating of air blast for blast furnace
Fr. Nicholas Callan (Ire.)	1828	Induction coil — had difficulty in getting his work recognised
Michael Faraday (Eng.)	1831	Electric motor and dynamo
Samuel Colt (U.S.)	1836	Revolver
Charles Goodyear (U.S.)	1839	Vulcanised rubber
Walter Hunt (U.S.)	1849	Safety pin
Isaac Singer (U.S.)	1851	Sewing machine
William Kelly (U.S.)	1851	Principle of steel production by blowing air through molten pig iron
Alexander Parkes (Eng.)	1855	Celluloid
Henry Bessemer (Eng.)	1856	Bessemer process for steel making
William Siemens (Ger.)	1856	Open hearth furnace
Cyrus W. Field (U.S.)	1866	Transatlantic cable between Newfoundland and Ireland
Alexander Graham Bell (Scot.)	1876	Telephone
Thomas Edison (U.S.)	1877	Phonograph, Incandescent electric lamp 1879, Edison patented more than 1,000 inventions
Nicholas Otto (Ger.)	1876	Four stroke engine
Dugald Clerk (Scot.)	1878	Two stroke engine
Joseph J. Thomson (Eng.)	1879	Discovered the electron
Marcus Daly (Ire.)	1883	Mining and smelting of copper ore
Charles A. Parsons (Ire.)	1884	Steam turbine
Gottlieb Daimler (Ger.) and Karl Benz (Ger.) independently	1885	Motor car engine
John B. Dunlop (Scot.) — lived in Belfast	1888	Pneumatic tyre