

Competition Cosmos

Inventions & Discoveries

INVENTIONS	INVENTOR	YEAR	COUNTRY
Electric Iron	H.W. Seeley	1882	U.S.A
Electric Motor	Moritz Jacobi	1834	Russia
Evolution, theory of	Charles Darwin	1858	England
Film sound	Dr. Le de Forest	1923	U.S.A
Glider	Sir George Calyey	1853	England
Insulin	Sir Frederick Banting	1923	Canada
Safety Match	J.E. Lundstrom	1855	Sweden
Motor car, Petrol	Karl Benz	1885	Germany
Radium	Marie & Pierre Curie	1898	France
Rubber (vulcanized)	Charles Goodyear	1841	U.S.A
Safety Lamp	Sir Humphry Davy	1816	England
Telescope	Hans Lippershey	1608	Netherlands
Television	John Logic Baird	1926	Scotland
Thermometer	Galileo	1593	Italy
Valve. Radio	Sir J.A Fleming	1904	Britain
Printing Press	Johannes Gutenberg	1440	Germany
Pocket Watch	Peter Henlein	1510	Germany
Microscope	Zacharis Janssen	1590	Netherlands
Logarithms, Napier Bones & decimal point	John Napier	1590s	Scotland
Automatic Calculator	Wilhelm Schickard	1623	Germany
Adding Machine	Blaise Pascal	1642	France
Barometer	Evangelista Torricelli	1643	Italy
Air Pump	Otto Von Guericke	1650	Germany
Bacteria	Antonie Van Leeuwenhoek	1665	Netherlands
Pendulum Clock	Christian Huygens	1657	Netherlands

Gravity & Reflecting telescope	Isaac Newton	1668	England
Clarinet	Johann Christoph Denner	1690	Germany
Steam Engine	Thomas Savery	1698	UK
Piano	Bartolomeo Cristofori	1700	Italy
Centigrade Scale	Anders Celsius	1742	Sweden
Electroscope	Jean Nollet	1748	France
Lightning Conductor	Benjamin Franklin	1752	USA
Hydrogen	Henry Cavendish	1766	England
Chlorine	Karl Wilhelm Scheele	1774	Sweden
Ship (Steam)	J.C Perier	1775	France
Oxygen	Antoine Laurent Lavoisier	1775	France
Submarine	David Bushnell	1776	USA
Hot Air Balloon	Josef & Etienne Montgolfier	1783	France
Tungsten	Juan José Elhuyar Lubize & Fausto de Elhuyar	1783	Spain
Bifocal Lens	Benjamin Franklin	1784	USA
Parachute	Jean Pierre Blanchard	1785	France
Steam Boat	John Fitch	1786	USA
Guillotin	Dr. Joseph-Ignace Guillotin	1790s	France
Watch (Self Winding)	Abraham-Louis Breguet	1791	France
Milling machine & cotton gin	Eli Whitney	1793	USA
Small Pox Vaccine	Edward Jenner	1796	England
Vaccination			
Electric Battery	Volta	1800	Italian
Locomotive	Richard Trevithick	1804	England
Stethoscope	Rene Laennec	1816	France
Dental Plate	Anthony A.Plantson	1817	USA
Cadmium	Friedrich Stromeyer	1817	Germany

Cement	Joseph Aspdin	1824	England
Electromagnet	William Sturgeon	1824	England
Photography (on metal)	Joseph Nicéphore Niepce	1826	France
Braille	Louis Braille	1829	France
Electromagnetic Induction	Michael Faraday	1831	UK
Electric Generator			
Revolver	Samuel Colt	1835	USA
Photography (on paper)	W. H. Fox Talbot	1835	England
Telegraph	William Cook & Charles Wheatstone	1837	England
Telegraph code	Samuel Morse	1837	USA
Ozone	Christian Schonbein	1839	Germany
Typewriter	Peter Mitterhofer	1841	Austria
Transformer (Induction coil)	William Stanley .Jr	1842	US
Saxophone	Adolphe Sax	1846	Belgium
Sewing Machine	Elias Howe	1846	USA
Motorcycle	Edward Butler	1848	England
Bullet	Claude Minie	1849	France
Safety Pin	William Hunt	1849	US
Burglar Alarm	Edwin T. Holmes	1851	US
Refrigerator	James Harrison	1851	Australia
Elevator	Elisha G. Otis	1852	USA
Steam-Powered Airship	Henri Giffard	1852	France
Light Bulb	Heinrich Goebel	1854	Germany
Generator	Piciontti	1860	Italy
Machine Gun	Richard Gaffing	1861	USA
Typewriter	Peter Mitterhofer	1864	Austria
Antiseptic	Dr. Joseph Lister	1867	England
Dynamite	Alfred B. Nobel	1867	Sweden
Helium	William Ramsay	1868	Great Britain
Vacuum Cleaner	Ives McGuffey	1869	USA
Electric Motor (DC)	Zenobe Gramme	1873	Belgium
Barbed Wire	Joseph F. Glidden	1873	US

Telephone	Graham Bell	1874	Canada
Microphone	Alexander Graham Bell	1876	US
Carburetor	Gottlieb Daimler	1876	Germany
Phonograph	Thomas Edison	1877	USA
Welder (Electric Welding)	Elisha Thompson	1877	US
Gramophone	Thomas Edison	1878	USA
Cash Register	James Ritty	1879	USA
Arc Lamp	C. F. Brush	1879	Ohio
Electric Lamp	Thomas Alva Edison	1879	USA
Electromagnetic theory of light & electromagnetic waves, Radio and electrical frequencies (Hz)	Heinrich Rudolph Hertz	1880	Germany
AC motor and transformer, vacuum tube amplifier, Tesla coil, X-Ray technology	Nikola Tesla	1880s	USA
Electric Fan	Wheeler	1882	USA
Fountain Pen	Lewis Edson Waterman	1884	USA
Fluorine	Ferdinand Frederick Henri Moissan	1886	France
Ball Point Pen	John Loud	1888	USA
Bicycle Tyres	John Boyd Dunlop	1888	Scotland
Photography (on film)	John Carbutt	1888	US
Time Recorder	Harlow Bundy	1890	USA
Animation	Emile Reynaud	1892	France
Cinema	Lumiere brothers	1894	France
Argon	William Ramsay & Baron Ray Leigh	1894	UK
Radio	Guglielmo Marconi	1894	Italy
Ship (Turbine)	Charles Parsons	1894	England
Diesel Engine	Rudolf Diesel	1895	Germany

X-ray	Wilhelm Conrad Roentgen	1895	Germany
Electric stove/cooker	William S. Hadaway	1896	USA
Aspirin	Dr. Felix Hoffman	1899	Germany
Cellophane	I.E. Brandenberger	1900	Switzerland
Tractor (Caterpillar)	Benjamin Holt	1900	US
Disc Brake	Dr. F. Lanchester	1902	England
Windshield wipers	Mary Anderson	1903	USA
Airplanes	Wilber and Orville Wright	1903	USA
Silicones	F.S Kipping	1904	England
Bakelite	H. Backcland	1907	Belgium/US
Gyrocompass	Elmer A. Sperry	1908	U.S
Vitamin A	Elmer V. McCollum & M. Davis	1913	USA
Air Conditioner	Willis Carrier	1914	USA
Neon Lamp	Georges Claude	1915	France
Vitamin B	Elmer V. McCollum	1916	US
Motor Scooter	Greville Bradshaw	1919	England
Vitamin C	Albert Szent-Györgyi & Charles Glen King	1920	USA
Vitamin D	Edward Mellanby	1920	USA
Band Aid	Earle Dickson	1920	USA
Crescograph	Jagadish Chandra Bose	1920s	India
Insulin	Frederick Banting & Charles H. Best	1921	Canada
Radar	Dr. Albert H. Taylor & Leo C. Young	1922	US
Vitamin E	Herbert McLean Evans	1922	USA
Film (Musical)	Warner Bros	1923	US
Adhesive tape	Richard G. Drew	1923	USA
Loud Speaker	Chester W. Rice and Edward W. Kellogg	1924	US
Film (Talking)	Warner Bros	1926	US

Rocket Engine	Robert H. Goddard	1926	USA
Penicillin	Alexander Fleming	1928	England
Xerox Machine	Chester Carlson	1928	USA
Car Radio	William Lear & Elmer Wavering	1929	US
Vitamin K	Henrik Dam & Edward Adelbert Doisy	1929	Denmark & USA
Richter Scale	Charles Richter	1935	USA
Jet Engine	Hans Von Ohain	1936	Germany
Microscope(Electron)	Vladimir Kosme Sworykin	1939	Russia
Helicopter	Igor Sikorsky	1939	Russia
Atom Bomb	Julius Robert Oppenheimer	1945	USA
Microwave Oven	Percy Spencer	1947	USA
Transistors	John Bardeen, William Shockley & Walter Brattain	1948	US
Pacemaker	Dr. Paul Zoll	1952	USA
Electronic Calculator	IBM	1954	USA
Hovercraft	Christopher Cockerell	1959	England
Laser	Dr. Charles H. Townes	1960	US
Soft Contact lenses	Otto Wichterle	1961	Czech
Synthesizer	Dr. Robert Arthur Moog	1964	USA
Bicycle	Kirkpatrick Macmillan	1839	Britain
Celluloid	Alexander Parkes	1861	Britain
Chloroform	E. Soberran	1831	France
Cine Camera	Wm. Friese-Greene	1889	Britain
Circulation of blood	William Harvey	1628	England
Clock Mechanical	Hsing and Ling-Tsan	1725	China
Diesel Engine	Rudolf Diesel	1892	Germany

