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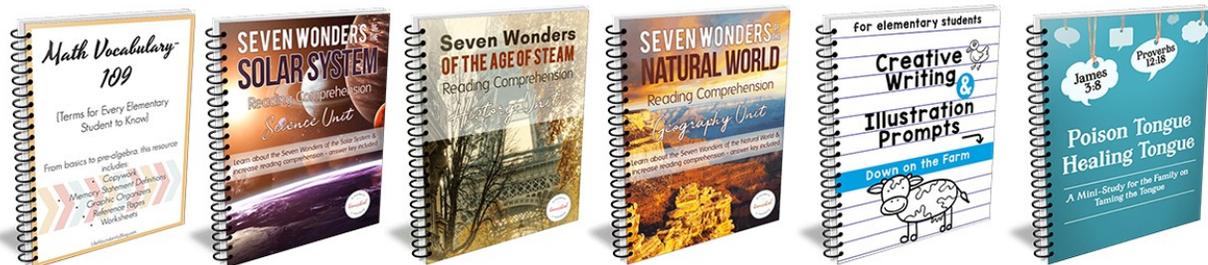
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Please note: The accepted dates for many inventions vary. There are times when one person invented the item but another improved upon it. There are times one source records an invention's creation date when another records the patent date, the commercially available date, etc. There are also conflicting claims regarding who was actually responsible for some inventions. These have been noted as much as possible in these cheat sheets, but please be aware of these possible conflicts when your students do deeper study.

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Inventors (Alphabetical)

Inventor	Date of Birth	Date of Death	Known For	Invention Date(s)
Acheson, Edward Goodrich	1856	1931	Carborundum, a strong abrasive	1893
Akasaki, Isamu	1929	N/A	blue light-emitting diode (LED) <i>(with Hiroshi Amano but independent of Shuji Nakamura)</i>	1992-1993
Allbutt, Thomas Clifford	1836	1925	modern clinical thermometer	1866
Amano, Hiroshi	1960	N/A	blue light-emitting diode (LED) <i>(with Isamu Akasaki but independent of Shuji Nakamura)</i>	1992-1993
Anderson, Mary	1866	1953	windshield wiper	1903
Ando, Momofuku	1910	2007	instant noodles	1958
Antheil, George	1900	1959	spread-spectrum technology <i>(with Hedy Lamarr)</i>	1942
Apgar, Virginia	1909	1974	Apgar Score System	1952
Appert, Nicolas	c. 1750	1841	canned food	1795-1810
Archer, Frederick Scott	1813	1857	wet collodion photography process that could make multiple copies of a picture	1851
Archimedes	c. 287 BC	212/211 BC	Archimedes screw	3rd century BC
Arkwright, Richard	1732	1792	water frame (spinning machine)	1764
Armstrong, Edwin H.	1890	1954	frequency modulation (FM) of radio waves	1933
Babbage, Charles	1791	1871	Analytical Engine mechanical computer, forerunner of the digital computer	c. 1835
Babbitt, Isaac	1799	1862	babbitt metal	1839
Baekeland, Leo Hendrik	1863	1944	Bakelite, the first entirely synthetic resin	1909
Baer, Ralph	1922	2014	video game console	1968
Bain, Alexander	Unavailable	Unavailable	fax machine	1842-1843
Baird, John Logie	1888	1946	electromechanical television	1924

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Baldwin, Matthias William	1795	1866	easier way to plate gold	1819
Banneker, Benjamin	1731	1806	hand-carved wooden clock able to keep precise time	1753
Bardeen, John	1908	1991	transistor (<i>with Walter H. Brattain and William Shockley</i>)	1947
Bath, Patricia	1942	2019	laserphaco probe for cataract removal	1981
Bauer, Andreas	1783	1860	steam-powered cylinder printing press (<i>with Friedrich Koenig</i>)	1811
Beach, Alfred Ely	1826	1896	pneumatic tube to move subway cars	1867
Beasley, Maria (Maria Beasley Cox)	Unavailable	Unavailable	life raft	1880
Bell, Alexander Graham	1847	1922	telephone; graphophone cylinder sound recorder (<i>with Charles Sumner Tainter and Chichester A. Bell</i>)	1876; 1886
Bell, Chichester A.	Unavailable	Unavailable	graphophone cylinder sound recorder (<i>with Charles Sumner Tainter and Alexander Graham Bell</i>)	1886
Bendix, Vincent	c. 1881	1945	practical electrical starter for automobiles	c. 1913
Bentz, Melitta	Unavailable	Unavailable	coffee filters	1908
Benz, Karl Friedrich	1844	1929	practical automobile with an internal-combustion engine	1885
Berliner, Emile	1851	1929	practical telephone transmitter; gramophone disc sound recorder (first successful phonograph to use records shaped like discs)	1877; 1887
Berners-Lee, Tim	1955	N/A	World Wide Web	1990-1991
Bessemer, Henry	1813	1898	Bessemer steelmaking process (first to do it inexpensively)	1856
Bi (Pi) Sheng	Unknown	Unknown	movable type printing with clay blocks	1041-1048
Binney, Edwin	1866	1934	modern crayon (<i>with C. Harold Smith</i>)	1903
Binnig, Gerd	1947	N/A	scanning tunneling microscope (<i>with Heinrich Rohrer</i>)	1981
Birdseye, Clarence	1886	1956	method to quickly freeze food	1924-1925

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Bíró, László József	1899	1985	ballpoint pen	1931
Bissell, Melville Reuben	1843	1889	carpet sweeper	1876
Blenkinsop, John	1783	1831	geared steam locomotive that was the first practical and successful railway locomotive	1812-1813
Blodgett, Katharine	1898	1979	nonreflective glass	1938
Bodmer, Johann Georg	1786	1864	gear-making machine that could make precise gears	1839-1841
Boone, Sarah	c. 1830	c. 1904	type of ironing board	1891-1892
Booth, Hubert Cecil	1871	1955	early type of vacuum cleaner that was as large as a carriage	1901
Borden, Gail, Jr.	1801	1874	commercial process to condense milk	1856
Boulsover, Thomas	1706	1788	Sheffield plate for copper and silver plating	c. 1742-1743
Boyden, Seth	1788	1870	type of patent leather	1818-1819
Braille, Louis	1809	1852	Braille writing system	1824
Bramah, Joseph	1748	1814	hydraulic press	1795
Brattain, Walter H.	1902	1987	transistor (<i>with John Bardeen and William Shockley</i>)	1947
Brewster, David	1781	1868	kaleidoscope	1816-1817
Brown, Joseph R.	1810	1876	universal milling machine (able to mass produce items accurately); universal grinding machine (patented after his death)	1862; 1877
Brown, Marie Van Brittan	1922	1999	home security system	1969
Browning, John Moses	1855	1926	Browning automatic rifle	1918
Brunel, Isambard Kingdom	1806	1859	designed first transatlantic steamer	1837
Brunel, Marc Isambard	1769	1849	geared steam tunneling shield	1818
Budding, Edwin	1796	1846	lawnmower	1830

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Bullock, William	1813	1867	web-fed rotary printing press which uses a large roll of paper	1865
Burden, Henry	1791	1871	horseshoe manufacturing machine	1835
Burgess, Hugh	1825	1892	soda papermaking process that turns wood pulp to paper	1851
Burroughs, William	c. 1855	1898	printing-adding machine	1892
Bush, Vannevar	1890	1974	first reliable analog computer (the differential analyzer)	1931
Bushnell, David	1742	1824	hand-powered submarine	c. 1775
Butterick, Ebenezer	1826	1903	standardized paper patterns for clothing	1863
Byler, William H.	Unavailable	Unavailable	black light	1935
Cai Lun	c. 62	121	paper	2nd century AD
Campani, Giuseppe	1635	1715	lens-grinding lathe	1664
Carlson, Chester F.	1906	1968	xerography	1938
Carothers, Wallace Hume	1896	1937	nylon	1935
Carrier, Willis Haviland	1876	1950	air-conditioning	1902
Cartwright, Edmund	1743	1823	wool-combing machine	1789
Carver, George Washington	c. 1864	1943	hundreds of agricultural products	1896-1943
Cayley, George	1773	1854	first glider to carry a human	1853
Celsius, Anders	1701	1744	Celsius scale	1742
Cerf, Vinton	1943	N/A	Transmission Control Protocol/ Internet Protocol (TCP/IP) (<i>with Robert Kahn</i>)	1974
Chappe, Claude	1763	1805	semaphore visual telegraph	1794
Chardonnet, Hilaire Bernigaud de	1839	1924	rayon	1884

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Clark, Graeme Milbourne	1935	N/A	multi-channel cochlear implant	1978
Cochrane, Josephine	1839	1913	mechanical dishwasher	1886
Cockerell, Christopher	1910	1999	hovercraft	1955
Colburn, Irving Wightman	1861	1917	Colburn flat-glass machine	1908-1917
Colt, Samuel	1814	1862	revolver	1835
Congreve, William	1772	1828	military rocket	1805
Conté, Nicolas-Jacques	1755	1805	method of creating pencils from powdered graphite and clay	1795
Cooke, William Fothergill	1806	1879	electric needle telegraph (<i>with Charles Wheatstone but independent of Samuel Morse</i>)	1837
Coolidge, William D.	1855	1926	X-ray tube	1916
Cooper, Martin	1928	N/A	handheld cell phone	1972-1973
Cooper, Peter	1791	1883	<i>Tom Thumb</i> steam locomotive	1830
Cope, Paul	Unavailable	Unavailable	chemically made hot glue	c. 1940
Coston, Martha	1826	1904	ship flares	1859
Cousteau, Jacques-Yves	1910	1997	Aqua-Lung	1943
Cover, Jack	1920	2009	taser	1976
Cray, Seymour	1925	1996	supercomputer	1964
Crompton, Samuel	1753	1827	spinning mule	1779
Ctesibius (Ktesibios) of Alexandria	Unknown	Unknown	float-type clepsydra (water clock)	3rd century BC
Cugnot, Nicolas-Joseph	1725	1804	steam-driven tractor for hauling large guns	1769
Curtiss, Glenn	1878	1930	Hydroaeroplane	1913

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Daguerre, Louis-Jacques-Mandé	1787	1851	daguerreotype	1839
Daimler, Gottlieb	1834	1900	high-speed internal-combustion engine	1885
Daniell, John Frederic	1790	1845	Daniell cell battery, which was able to provide continuous, steady current	1836
Darby, Abraham	c. 1678	1717	used coke to smelt iron	1709
Dart, Joseph	1799	1879	steam-powered grain elevator	1842
Davenport, Thomas	1802	1851	electric motor	1834
Davis, Jacob	Unavailable	Unavailable	denim jeans with rivets (<i>with Levi Strauss</i>)	1873
Davy, Edward	1806	1885	electromagnetic telegraph repeater	c. 1836
Davy, Humphry	1778	1829	"Davy Lamp," a coal mine safety lamp	1815
DeBakey, Michael	1908	2008	coronary artery bypass	1964
Deere, John	1804	1886	all-steel one-piece plow	1838
DeLonge, Jonathon	Unavailable	Unavailable	beach ball	1938
Delvigne, Henri-Gustave	1799	1876	cylindrical bullet	c. 1830
Descartes, Rene	1596	1650	analytic geometry	1619
Dewar, James	1842	1923	vacuum flask	c. 1892
Dibble, Fernando J.	Unavailable	Unavailable	smoke detector (<i>with Francis Robbins Upton</i>)	1890
Diemer, Walter	c. 1904	1998	bubble gum	1928
Diesel, Rudolf	1858	1913	diesel engine	1892
Disney, Walt	1901	1966	modern theme park	1955
Donovan, Marion	1917	1998	modern disposable diaper	c. 1946
Drais, Karl	1785	1851	velocipede (forerunner of the bicycle and motorcycle); first typewriter with a keyboard	1818; 1821

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Draper, Charles Stark	1901	1987	inertial guidance systems for aircraft	c. 1949
Drebbel, Cornelis	1572	1633	navigable submarine	1620
Dreyse, Nikolaus von	1787	1867	needle-firing rifle	1827
Dunlop, John Boyd	1840	1921	pneumatic rubber tire	1887
Durand, Peter	Unknown	Unknown	tin can for canned food	1810
Eastman, George	1854	1932	Kodak camera	1888
Eckert, John Presper, Jr.	1919	1995	general-purpose electronic digital computer (ENIAC) <i>(with John Mauchly)</i>	1946
Edison, Thomas Alva	1847	1931	phonograph cylinder sound recorder; incandescent lightbulb	1877; c. 1879
Engelbart, Douglas	1925	2013	computer mouse	1963
Esposito, Raffaele	Unknown	Unknown	modern pizza	1889
Evans, Oliver	1755	1819	high-pressure steam engine	1790
Evinrude, Ole	1877	1934	marine outboard motor	1906–1909
Fahrenheit, Gabriel	1686	1736	alcohol thermometer; mercury thermometer	1709; 1714
Fairbanks, Thaddeus	1796	1886	platform scale	1830-1831
Farnsworth, Philo Taylor	1906	1971	image dissector electronic television camera	1927
Fender, Clarence Leo	1909	1991	solid-body electric guitar	1948
Ferguson, Patrick	1744	1780	breech-loading flintlock rifle	1776
Fermi, Enrico	1901	1954	atomic reactor <i>(with Leo Szilard)</i>	1942
Ferris, George Washington Gale, Jr.	1859	1896	modern wheel ride for amusement parks, the Ferris wheel	1893
Fessenden, Reginald Aubrey	1866	1932	amplitude modulation (AM) of radio waves	1900

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Fitch, John	1743	1798	early steamboat	1787
Fleming, John Ambrose	1849	1945	vacuum diode rectifier that converted radio signals into current able to be detected by a telephone receiver	1904
Ford, Henry	1863	1947	automobile assembly line	1913-1914
Forest, Lee De	1873	1961	Audion vacuum tube amplifier that made radio signals stronger	1906
Forsyth, Alexander John	1769	1843	percussion-lock musket	1805-1807
Fourneyron, Benoît	1802	1867	water turbine	1827
Franklin, Benjamin	1706	1790	Franklin stove (much more efficient than other stoves of the day); bifocals (date unknown)	1741
Fritts, Charles	1850	1903	solar cell (photovoltaic cell)	1883
Fuller, R. Buckminster	1895	1983	geodesic dome	c. 1947
Fulton, Robert	1765	1815	commercial steamboat	1807
Gabor, Dennis	1900	1979	holography	1947-1960
Gal, Uziel	1923	2002	Uzi submachine gun	1954
Galilei, Galileo	1564	1642	telescope with significantly better lenses than commonly in use	1609
Gatling, Richard Jordan	1818	1903	Gatling gun (first practical rapid-fire gun)	1862
Gayetty, Joseph	Unavailable	Unavailable	toilet paper	1857
Geiger, Hans	1882	1945	Geiger counter	1908
Gesner, Konrad (Conrad)	1516	1565	first described a graphite pencil	1565
Gilbreth, Frank	1868	1924	field of scientific management (<i>with his wife Lillian Gilbreth</i>)	c. 1911
Gilbreth, Lillian	1878	1972	field of scientific management (<i>with her husband Frank Gilbreth</i>)	c. 1911
Gillette, King Camp	1855	1932	disposable razor	1895

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Glidden, Carlos	1834	1877	Remington typewriter, the first practical typewriter <i>(with Christopher Latham Sholes and Samuel W. Soule)</i>	1868
Glidden, Joseph F.	1813	1906	barbed wire	1873
Goddard, Robert Hutchings	1882	1945	liquid-fueled rocket engine	1926
Godfrey, Thomas	1704	1749	quadrant for determining latitude <i>(independent of John Hadley)</i>	1730
Goldman, Sylvan	1898	1984	shopping cart	1937
Goodyear, Charles	1800	1860	vulcanized rubber	1839
Gorrie, John	c. 1802	1855	cold-air machine (forerunner of the air conditioner)	1851
Graaff, Robert Jemison Van de	1901	1967	Van de Graaff generator for particle accelerators	c. 1929
Graham, Bette Nesmith	1924	1980	liquid correction fluid	1950s
Guericke, Otto von	1602	1686	vacuum air pump	1650
Gurney, Goldsworthy	1793	1875	steam-powered large stagecoach (forerunner to a motor-driven bus)	1830
Gutenberg, Johannes	c. 1395	c. 1468	movable type printing press	c. 1450
Haber, Fritz	1868	1934	process to make ammonia gas	1909
Hadley, John	1682	1744	quadrant for determining latitude <i>(independent of Thomas Godfrey)</i>	1730
Hall, Charles Martin	1863	1914	electrolytic aluminum smelting (allowed aluminum to be widely used) <i>(independent of Paul-Louis-Toussaint Héroult)</i>	1886
Hammond, John H., Jr.	1888	1965	radio remote control	1911-1914
Hammond, Laurens	1895	1973	Hammond organ, commercially practical electronic organ	1934
Hancock, Thomas	1786	1865	rubber masticator that was used to convert rubber scraps into usable rubber	1821
Hansom, Joseph Aloysius	1803	1882	hansom cab, a horse-drawn type of taxi cab	1834
Hargreaves, James	1721	1778	spinning jenny	1770

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Harrison, John	1693	1776	way of accurately keeping track of precise time at sea (marine chronometer)	1735
Harroun, Ray	1879	1968	rearview mirror	1911
Harvey, Hayward	1824	1893	carburizing (surface hardening of steel plate to strengthen armor plating)	c. 1890s
Hauron, Louis Ducos du	1837	1920	trichrome process of color photography	1869
Heathcoat, John	1783	1861	lace-making machine	1809
Henlein, Peter	1480	1542	small watch to be worn or carried in a pocket	1510
Henry, Benjamin Tyler	Unavailable	Unavailable	lever-action repeating rifle and self-contained metallic cartridge	1860
Henry, Joseph	1797	1878	electric bell	1831
Henson, Steve	Unavailable	Unavailable	ranch dressing	1950s
Heron of Alexandria	Unknown	Unknown	aeolipile (steam-powered turbine)	1st century AD
Hérault, Paul-Louis-Toussaint	1863	1914	electrolytic aluminum smelting (allowed aluminum to be widely used) (<i>independent of Charles Martin Hall</i>)	1886
Hershey, Milton	1857	1945	Hershey's chocolate	1903
Higinbotham, William	1910	1994	first video game	1958
Hill, Rowland	1795	1879	postage stamp	1835-1840
Hoe, Richard March	1812	1886	rotary printing press	1846-1847
Holland, John Philip	c. 1841	1914	gasoline-electric submarine	1898
Hollerith, Herman	1860	1929	electric tabulating machine	1884
Honnecourt, Villard de	c. 1225	c. 1250	screw jack	c. 1250
Hopper, Grace	1906	1992	compiler to convert computer programming language into a target language	1952

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Hornblower, Jonathan	1753	1815	reciprocating compound steam engine	1781
Howard, John	Unavailable	Unavailable	sheep shearing machine (<i>with Frederick York Wolseley</i>)	1867-1883
Howe, Elias	1819	1867	hand-driven sewing machine	1846
Howe, William	1803	1852	Howe truss for bridges	1840
Hunt, Walter	1795	1859	modern safety pin	1849
Huntsman, Benjamin	1704	1776	crucible steel, which was a better quality than other steel of the time	c. 1740
Hussey, Obed	1792	1860	mechanical reaper	1833
Huygens, Christiaan	1629	1695	pendulum clock	1658
Hyatt, John Wesley	1837	1920	first plastic celluloid	1869-1870
Jacquard, Joseph-Marie	1752	1834	Jacquard loom, an automatic pattern loom	1804
Janssen, Zacharias	c. 1580	c. 1632	compound microscope (<i>both Hans Lippershey and Zacharias Janssen have been credited with inventing the compound microscope</i>)	c. 1590
Jerome, Chauncey	1793	1868	one-day brass clock movement	c. 1838
Jobs, Steve	1955	2011	first commercially successful personal computer (<i>with Steve Wozniak</i>)	1976-1977
Jones, Frederick McKinley	1893	1961	refrigeration unit that could be used in trucks	1940
Jouffroy d'Abbans, Claude-François-Dorothee	1751	1832	early paddlewheel steamboat	1783
Judson, Whitcomb	1846	1909	first type of zipper	1893
Kahn, Robert	1938	N/A	Transmission Control Protocol/ Internet Protocol (TCP/IP) (<i>with Vinton Cerf</i>)	1974
Kamen, Dean	1951	N/A	iBot (a wheelchair that could climb stairs); Segway	1999; 2001
Kay, John	1704	c. 1764-1780	flying shuttle for weaving cloth	1733

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Kelly, William	1811	1888	pneumatic steel-making process	c. 1850
Kettering, Charles F.	1876	1958	automobile electrical starter	1912
Kilburn, Tom	1921	2001	Manchester Mark I stored-program digital computer	1949
Kilby, Jack	1923	2005	integrated circuit (<i>independent of Robert Noyce</i>); small handheld calculator	1958-1959; 1967-1972
King, Franklin Hiram	1848	1911	cylindrical grain silo	1889
Knight, Margaret	1838	1914	flat-bottomed paper bag	1870-1871
Kodama, Hideo	Unavailable	Unavailable	3D printing	1981
Koenig, Friedrich	1774	1833	steam-powered cylinder printing press (<i>with Andreas Bauer</i>)	1811
Kolff, Willem	1911	2009	kidney dialysis machine	1943
Kwolek, Stephanie	1923	2014	Kevlar	1965
Laënnec, René-Théophile-Hyacinthe	1781	1826	stethoscope	c. 1819
Lamarr, Hedy	1914	2000	spread-spectrum technology (<i>with George Antheil</i>)	1942
Land, Edwin Herbert	1909	1991	Polaroid instant-print camera	1947
Langley, Samuel Pierpoint	1834	1906	bolometer, which can measure extremely small temperature changes and is used in studying solar radiation	c. 1878
Larrey, Dominique-Jean	1766	1842	ambulance	c. 1792
Latimer, Lewis	1848	1928	way to produce longer-lasting carbon filaments for incandescent lights	c. 1880
Lauterbur, Paul	1929	2007	magnetic resonance imaging (MRI) (<i>with Peter Mansfield</i>)	1973
Laval, Gustave de	1845	1913	centrifugal cream separator; cattle milking machine (not manufactured until after his death)	1878; 1918

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Lawrence, Ernest Orlando	1901	1958	cyclotron, a high-energy particle accelerator	1934
Leclanché, Georges	1839	1882	dry-cell battery	c. 1866
Lee, William	c. 1550	c. 1610	knitting machine	1589
Leeuwenhoek, Antonie van	1632	1723	single-lens microscope	c. 1670
Leibniz, Gottfried Wilhelm	1646	1716	binary number system	late 1600s
Lenoir, Étienne	1822	1900	commercially successful internal-combustion engine	1858-1859
Lewis, Isaac Newton	1858	1931	Lewis machine gun	1911
Lilienthal, Otto	1848	1896	Lilienthal standard glider	1894
Linde, Carl von	1842	1934	commercially successful compression refrigerator that used ammonia (more precise than other models)	1876
Link, Edwin Albert	1904	1981	mechanical trainer used to train pilots while on the ground	1929
Lippershey, Hans	c. 1570	1619	compound microscope (<i>both Hans Lippershey and Zacharias Janssen have been credited with inventing the compound microscope</i>)	c. 1590
Lister, Joseph	1827	1912	surgical antiseptic	1867
Lister, Samuel Cunliffe	1815	1906	silk-combing machine	c. 1865
Lumière, Auguste	1862	1954	Cinématographe motion-picture camera and projector (<i>with Louis Jean Lumière</i>)	1895
Lumière, Louis Jean	1864	1948	Cinématographe motion-picture camera and projector (<i>with Auguste Lumière</i>)	1895
Macintosh, Charles	1766	1843	mackintosh waterproof fabric	1823
Maelzel, Johann	1772	1838	metronome	c. 1814-1816

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Magee, Carl C.	Unavailable	1946	parking meter	1935
Maiman, Theodore H.	1927	2007	first working laser	1960
Mansfield, Peter	1933	2017	magnetic resonance imaging (MRI) <i>(with Paul Lauterbur)</i>	1973
Manutius, Aldus	1449	1515	italic type	1501
Marconi, Guglielmo	1874	1937	wireless telegraph	1896
Marcus, Siegfried	1831	1898	gasoline-powered automobile	1864-1865
Masters, Sybilla	c. 1676	1720	corn mill	c. 1712
Matzeliger, Jan Ernst	1852	1889	shoe-lasting machine	1882
Mauchly, John	1907	1980	general-purpose electronic digital computer (ENIAC) <i>(with John Presper Eckert, Jr.)</i>	1946
Maudslay, Henry	1771	1831	practical screw-cutting metal lathe	c. 1800
Maxim, Hiram	1840	1916	Maxim machine gun, the first fully automatic machine gun	1884
McAdam, John Loudon	1756	1836	macadam road surface	1815
McCormick, Cyrus Hall	1809	1884	mechanical reaper	1831
McCoy, Elijah	c. 1844	1929	automatic lubricator	early 1870s
McCullough, Alex	Unavailable	Unavailable	soft serve ice cream <i>(with J.F. "Grandpa" McCullough)</i>	1938
McCullough, J. F. "Grandpa"	Unavailable	Unavailable	soft serve ice cream <i>(with Alex McCullough)</i>	1938
Meikle, Andrew	1719	1811	threshing machine	1788
Mercator, Gerardus	1512	1594	world map that plotted a curved surface as straight lines	1569
Mergenthaler, Ottmar	1854	1899	Linotype typesetting machine	1884

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Miles, Alexander	c. 1838	1918	commercially successful device to open and close elevator doors automatically	1887
Minié, Claude-Étienne	1804	1879	cylindrical Minié ball designed for muzzle-loading rifles	1849
Monier, Joseph	1823	1906	reinforced concrete	1867
Montgolfier, Jacques-Etienne	1745	1799	hot-air balloon (<i>with Joseph-Michel Montgolfier</i>)	1782-1783
Montgolfier, Joseph-Michael	1740	1810	hot-air balloon (<i>with Jacques-Etienne Montgolfier</i>)	1782-1783
Morgan, Garrett	1877	1963	gas mask; improved automatic electric traffic light	1912; 1923
Morrison, William	1860	1926	cotton candy (<i>with John C. Wharton</i>)	1897
Morse, Samuel F.B.	1791	1872	electric telegraph (<i>independent of William Fothergill Cooke and Charles Wheatstone</i>); Morse code	1837; 1838
Murdock, William	1754	1839	sun-and-planet motion for steam engines	c. 1781
Murray, Donald	1865	1945	teletype system	1899
Naismith, James A.	1861	1939	basketball	1891
Nakamura, Shuji	1954	N/A	blue light-emitting diode (LED) (<i>independent of Isamu Akasaki and Hiroshi Amano</i>)	1992-1993
Newcomen, Thomas	1663	1729	atmospheric steam engine	1712
Nicholson, William	1753	1815	hydrometer	1790
Niépce, Joseph Nicéphore	1765	1833	permanent photographs	1826
Nissen, George	Unavailable	Unavailable	trampoline	1936
Nobel, Alfred Bernhard	1833	1896	dynamite	1867
Nordheim, Sondre	1825	1897	ski bindings to attach the boot to the ski	1860

Inventors (Alphabetical)

Inventor	Date of Birth	Date of Death	Known For	Invention Date(s)
Noyce, Robert	1927	1990	integrated circuit (<i>independent of Jack Kilby</i>)	1958
Ohain, Hans Joachim Pabst von	Unavailable	Unavailable	jet aircraft	1939
Osius, Fred	Unavailable	Unavailable	motor-powered blender	c. 1933
Otis, Elisha Graves	1811	1861	safety elevator	1852
Otto, Nikolaus August	1832	1891	four-stroke internal-combustion engine	1876
Painter, William	1838	1906	bottle cap	c. 1891
Papin, Denis	1647	c. 1712	pressure cooker	1679
Parrott, Robert Parker	1804	1877	Parrott gun (rifled cannon)	1861
Parsons, Charles Algernon	1854	1931	multi-stage steam turbine that significantly changed marine propulsion	1884
Pascal, Blaise	1623	1662	calculating machine	1642-1644
Pasteur, Louis	1822	1895	pasteurization	1864
Paul, Les	1915	2009	eight-track tape recorder	c. 1947-1950s
Perkin, William	1838	1907	first artificial (synthetic) dye	1856
Perky, Henry	1843	1906	shredded wheat	1890
Phillips, Henry F.	1889	1958	Phillips-head screw	1936
Pitman, Isaac	1813	1897	Pitman shorthand	1837
Pitot, Henri	1695	1771	pitot tube to measure flow velocity	early 1700s
Planté, Gaston	1834	1889	electric storage battery (accumulator)	1859
Plunkett, Roy	Unavailable	Unavailable	Teflon	1938

Inventors (Alphabetical)

Inventor	Date of Birth	Date of Death	Known For	Invention Date(s)
Poulsen, Valdemar	1869	1942	telegraphone magnetic wire recorder	1900
Pravaz, Charles Gabriel	1791	1853	hypodermic syringe	1853
Priestley, Joseph	1733	1804	carbonated water; rubber eraser	c. 1780
Pullman, George M.	1831	1897	Pullman sleeping car	1865
Pupin, Michael Idvorsky	1858	1935	loading coil for telephones that improved sound quality and range	1900
Quare, Daniel	c. 1648	1724	repeating watch mechanism for sounding the nearest hour and quarter hour	1680
Reno, Jesse W.	1861	1947	escalator	1891
Ressel, Josef	1793	1857	screw propeller for ships	1827
Ridley, John	1806	1887	reaping machine for wheat	1843
Ritchie, Dennis M.	1941	2011	UNIX operating system (<i>with Kenneth L. Thompson</i>)	1969-1973
Ritty, James	1836	1918	cash register	1879
Roberts, Richard	1789	1864	automatic spinning mule	1825
Rodman, Thomas Jackson	1815	1871	prismatic gunpowder	c. 1845
Roebuck, John	1718	1794	method of converting cast iron to iron that can be shaped	1762
Roemer, Olaus "Ole" Christensen	1644	1710	modern thermometer scale	c. 1708
Rohrer, Heinrich	1933	2013	scanning tunneling microscope (<i>with Gerd Binnig</i>)	1981
Rubik, Erno	1944	N/A	Rubik's cube	1974
Rue, Warren De la	1815	1889	astronomical photography	c. 1862
Ruska, Ernst	1906	1988	electron microscope	1933

Inventors (Alphabetical)

Inventor	Date of Birth	Date of Death	Known For	Invention Date(s)
Sampson, George	c. 1855	1900s (unknown)	way to dry clothes indoors with a movable drying rack and stove	1892
Sanger, Frederick	1918	2013	DNA sequencing	1977
Savery, Thomas	c. 1650	1715	steam-driven vacuum pump	1698
Sax, Antoine-Joseph (Adolphe)	1814	1894	saxophone	1842
Schawlow, Arthur	1921	1999	maser, a type of early laser (<i>with Charles Townes</i>)	1953
Schweigger, Johann	1779	1857	galvanometer	1820
Senefelder, Alois (Aloys)	1771	1834	lithography	1798
Shay, Ephraim	1839	1916	geared steam locomotive	c. 1877
Shockley, William B.	1910	1989	transistor (<i>with John Bardeen and Walter H. Brattain</i>)	1947
Shoenberg, Isaac	1880	1963	high-definition electronic television system	1931-1935
Sholes, Christopher Latham	1819	1890	Remington typewriter, the first practical typewriter (<i>with Carlos Glidden and Samuel W. Soule</i>)	1868
Shore, John	Unavailable	Unavailable	tuning fork	1711
Siemens, Charles William	1823	1883	open-hearth furnace	1861
Sikorsky, Igor	1889	1972	motor-powered helicopter	1939
Singer, Isaac Merrit	1811	1875	foot-powered pedal sewing machine (first practical sewing machine for home use)	1851
Smith, C. Harold	Unavailable	Unavailable	modern crayon (<i>with Edwin Binney</i>)	1903
Soule, Samuel W.	1830	1875	Remington typewriter, the first practical typewriter (<i>with Christopher Latham Sholes and Carlos Glidden</i>)	1868
Spangler, James Murray	1848	1915	modern vacuum cleaner	1908

Inventors (Alphabetical)

Inventor	Date of Birth	Date of Death	Known For	Invention Date(s)
Spencer, Christopher M.	1833	1922	Spencer breech-loading carbine	1860
Spencer, Percy LeBaron	1894	1970	microwave technology for cooking	1945-1950
Sperry, Elmer Ambrose	1860	1930	gyroscopic compass	1911
Starley, James	1830	1881	bicycle with center-pivot steering (considered the first true bicycle)	1871
Stephenson, George	1781	1848	public passenger train pulled by steam locomotive	1825
Stevens, John	1749	1838	powered screw-driven steamboat	1802
Stirling, Robert	1790	1878	Stirling external-combustion engine	1816
Strauss, Levi	1829	1902	denim jeans with rivets (<i>with Jacob Davis</i>)	1873
Strowger, Almon	1839	1902	system to connect telephone calls automatically without a switchboard or operators	1889-1891
Sturgeon, William	1783	1850	electromagnet able to support more than its own weight	1825
Su-Sung	1020	1101	mechanical water-clock	late 1000s
Swan, Joseph Wilson	1828	1914	early form of electric light	1860
Szilard, Leo	1898	1964	atomic reactor (<i>with Enrico Fermi</i>)	1942
Tainter, Charles Sumner	1854	1940	graphophone cylinder sound recorder (<i>with Chichester A. Bell and Alexander Graham Bell</i>)	1886
Talbot, William Henry Fox	1800	1877	negative-positive photography system	1835
Teetor, Ralph	1890	1982	cruise control	1945
Telkes, Mária	1900	1995	solar-heated home	1948
Tesla, Nikola	1856	1943	alternating-current electric motor	1880-1888
Thomas, Valerie	1943	N/A	illusion transmitter used in aerospace work	1978

Inventors (Alphabetical)

Inventor	Date of Birth	Date of Death	Known For	Invention Date(s)
Thompson, Kenneth L.	1943	N/A	UNIX operating system (<i>with Dennis M. Ritchie</i>)	1969-1973
Thomson, Robert William	1822	1873	air-filled rubber tire	1845
Torricelli, Evangelista	1608	1647	mercury barometer	1643
Torvalds, Linus	1969	N/A	Linux open-source operating system	1991
Townes, Charles	1915	2015	maser, a type of early laser (<i>with Arthur Schawlow</i>)	1953
Trevithick, Richard	1771	1833	steam railway locomotive	1803
Tull, Jethro	1674	1741	mechanical seed drill	1701
Upton, Francis Robbins	1852	1921	smoke detector (<i>with Fernando J. Dibble</i>)	1890
Vaucanson, Jacques de	1709	1782	automated loom that was later improved upon by Joseph-Marie Jacquard	1745
Villepreux-Power, Jeanne	1794	1871	glass aquarium	1832
Volta, Alessandro	1745	1827	electric battery	1800
Wakefield, Ruth Graves	1903	1977	chocolate chip cookies	c. 1938
Walker, Sarah Breedlove (Madame C.J. Walker)	1867	1919	ointment to heal dandruff as well as a beauty empire	c. 1905
Wankel, Felix	1902	1988	Wankel rotary gasoline engine	1954
Watson-Watt, Robert Alexander	1892	1973	radar	1935
Watt, James	1736	1819	improved steam engine with separate condenser	1765
Wedgwood, Josiah	1730	1795	pyrometer, used to measure high temperatures when firing pottery	1782
Westinghouse, George	1846	1914	air brake	1869

Inventors (Alphabetical)

Inventor	Date of Birth	Date of Death	Known For	Invention Date(s)
Wharton, John C.	Unavailable	Unavailable	cotton candy (<i>with William Morrison</i>)	1897
Wheatstone, Charles	1802	1875	electric needle telegraph (<i>with William Fothergill Cooke but independent of Samuel Morse</i>)	1837
Whitehead, Robert	1823	1905	torpedo	1868
Whitney, Eli	1765	1825	cotton gin	1794
Whittle, Frank	1907	1996	jet engine	1937
Winters, Joseph Richard	c. 1825	1916	ladder that could be mounted to fire wagons or fire trucks	1878
Wolseley, Frederick York	1837	1899	sheep shearing machine (<i>with John Howard</i>)	1867-1883
Wood, Jethro	1774	1834	type of cast-iron plow whose parts could be removed and replaced when worn	1819
Woods, Granville T.	1856	1910	railway telegraph system	1887
Wozniak, Stephen	1950	N/A	first commercially successful personal computer (<i>with Steve Jobs</i>)	1976-1977
Wright, Orville	1871	1948	powered, sustained, and controlled airplane flight (<i>along with Wilbur Wright</i>)	1903
Wright, Wilbur	1867	1912	powered, sustained, and controlled airplane flight (<i>along with Orville Wright</i>)	1903
Yablochkov, Pavel Nikolayevich	1847	1894	Yablochkov candle (the first practical arc lamp)	1876
Yale, Linus, Jr.	1821	1868	pin-tumbler cylinder lock	1861
Yoder, Jacob	1758	1832	flatboat	1782
Zeppelin, Ferdinand von	1838	1917	zeppelin airship	1890-1900
Zuse, Konrad	1910	1955	digital computer	1939-1941
Zworykin, Vladimir Kosma	1889	1982	iconoscope and kinescope electronic television camera and receiver	1923-1931

Inventions (Chronological)

Inventor	Date of Birth	Date of Death	Known For	Invention Date(s)
Archimedes	c. 287 BC	212/211 BC	Archimedes screw	3rd century BC
Ctesibius (Ktesibios) of Alexandria	Unknown	Unknown	float-type clepsydra (water clock)	3rd century BC
Heron of Alexandria	Unknown	Unknown	aeolipile (steam-powered turbine)	1st century AD
Cai Lun	c. 62	121	paper	2nd century AD
Bi (Pi) Sheng	Unknown	Unknown	movable type printing with clay blocks	1041-1048
Su-Sung	1020	1101	mechanical water-clock	late 1000s
Honnecourt, Villard de	c. 1225	c. 1250	screw jack	c. 1250
Gutenberg, Johannes	c. 1395	c. 1468	movable type printing press	c. 1450
Manutius, Aldus	1449	1515	italic type	1501
Henlein, Peter	1480	1542	small watch to be worn or carried in a pocket	1510
Gesner, Konrad (Conrad)	1516	1565	first described a graphite pencil	1565
Mercator, Gerardus	1512	1594	world map that plotted a curved surface as straight lines	1569
Lee, William	c. 1550	c. 1610	knitting machine	1589
Janssen, Zacharias	c. 1580	c. 1632	compound microscope (<i>both Hans Lippershey and Zacharias Janssen have been credited with inventing the compound microscope</i>)	c. 1590
Lippershey, Hans	c. 1570	1619	compound microscope (<i>both Hans Lippershey and Zacharias Janssen have been credited with inventing the compound microscope</i>)	c. 1590
Galilei, Galileo	1564	1642	telescope with significantly better lenses than commonly in use	1609
Descartes, Rene	1596	1650	analytic geometry	1619
Drebbel, Cornelis	1572	1633	navigable submarine	1620
Pascal, Blaise	1623	1662	calculating machine	1642-1644

Inventions (Chronological)

Inventor	Date of Birth	Date of Death	Known For	Invention Date(s)
Torricelli, Evangelista	1608	1647	mercury barometer	1643
Guericke, Otto von	1602	1686	vacuum air pump	1650
Huygens, Christiaan	1629	1695	pendulum clock	1658
Campani, Giuseppe	1635	1715	lens-grinding lathe	1664
Leeuwenhoek, Antonie van	1632	1723	single-lens microscope	c. 1670
Papin, Denis	1647	c. 1712	pressure cooker	1679
Quare, Daniel	c. 1648	1724	repeating watch mechanism for sounding the nearest hour and quarter hour	1680
Savery, Thomas	c. 1650	1715	steam-driven vacuum pump	1698
Leibniz, Gottfried Wilhelm	1646	1716	binary number system	late 1600s
Pitot, Henri	1695	1771	pitot tube to measure flow velocity	early 1700s
Tull, Jethro	1674	1741	mechanical seed drill	1701
Roemer, Olaus "Ole" Christensen	1644	1710	modern thermometer scale	c. 1708
Fahrenheit, Gabriel	1686	1736	alcohol thermometer	1709
Darby, Abraham	c. 1678	1717	used coke to smelt iron	1709
Shore, John	Unavailable	Unavailable	tuning fork	1711
Newcomen, Thomas	1663	1729	atmospheric steam engine	1712
Masters, Sybilla	c. 1676	1720	corn mill	c. 1712
Fahrenheit, Gabriel	1686	1736	mercury thermometer	1714
Godfrey, Thomas	1704	1749	quadrant for determining latitude <i>(independent of John Hadley)</i>	1730
Hadley, John	1682	1744	quadrant for determining latitude <i>(independent of Thomas Godfrey)</i>	1730

Inventions (Chronological)

Inventor	Date of Birth	Date of Death	Known For	Invention Date(s)
Kay, John	1704	c. 1764-1780	flying shuttle for weaving cloth	1733
Harrison, John	1693	1776	way of accurately keeping track of precise time at sea (marine chronometer)	1735
Huntsman, Benjamin	1704	1776	crucible steel, which was a better quality than other steel of the time	c. 1740
Franklin, Benjamin	1706	1790	Franklin stove (much more efficient than other stoves of the day); bifocals (date unknown)	1741
Celsius, Anders	1701	1744	Celsius scale	1742
Boulsover, Thomas	1706	1788	Sheffield plate for copper and silver plating	c. 1742-1743
Vaucanson, Jacques de	1709	1782	automated loom that was later improved upon by Joseph-Marie Jacquard	1745
Banneker, Benjamin	1731	1806	hand-carved wooden clock able to keep precise time	1753
Roebuck, John	1718	1794	method of converting cast iron to iron that can be shaped	1762
Arkwright, Richard	1732	1792	water frame (spinning machine)	1764
Watt, James	1736	1819	improved steam engine with separate condenser	1765
Cugnot, Nicolas-Joseph	1725	1804	steam-driven tractor for hauling large guns	1769
Hargreaves, James	1721	1778	spinning jenny	1770
Bushnell, David	1742	1824	hand-powered submarine	c. 1775
Ferguson, Patrick	1744	1780	breech-loading flintlock rifle	1776
Crompton, Samuel	1753	1827	spinning mule	1779
Priestley, Joseph	1733	1804	carbonated water; rubber eraser	c. 1780
Hornblower, Jonathan	1753	1815	reciprocating compound steam engine	1781
Murdock, William	1754	1839	sun-and-planet motion for steam engines	c. 1781

Inventions (Chronological)

Inventor	Date of Birth	Date of Death	Known For	Invention Date(s)
Yoder, Jacob	1758	1832	flatboat	1782
Montgolfier, Jacques-Etienne	1745	1799	hot-air balloon (<i>with Joseph-Michel Montgolfier</i>)	1782-1783
Montgolfier, Joseph-Michael	1740	1810	hot-air balloon (<i>with Jacques-Etienne Montgolfier</i>)	1782-1783
Wedgwood, Josiah	1730	1795	pyrometer, used to measure high temperatures when firing pottery	1782
Jouffroy d'Abbans, Claude-François-Dorothée	1751	1832	early paddlewheel steamboat	1783
Fitch, John	1743	1798	early steamboat	1787
Meikle, Andrew	1719	1811	threshing machine	1788
Cartwright, Edmund	1743	1823	wool-combing machine	1789
Evans, Oliver	1755	1819	high-pressure steam engine	1790
Nicholson, William	1753	1815	hydrometer	1790
Larrey, Dominique-Jean	1766	1842	ambulance	c. 1792
Whitney, Eli	1765	1825	cotton gin	1794
Chappe, Claude	1763	1805	semaphore visual telegraph	1794
Appert, Nicolas	c. 1750	1841	canned food	1795-1810
Bramah, Joseph	1748	1814	hydraulic press	1795
Conté, Nicolas-Jacques	1755	1805	method of creating pencils from powdered graphite and clay	1795
Senefelder, Alois (Aloys)	1771	1834	lithography	1798
Volta, Alessandro	1745	1827	electric battery	1800
Maudslay, Henry	1771	1831	practical screw-cutting metal lathe	c. 1800
Stevens, John	1749	1838	powered screw-driven steamboat	1802

Inventions (Chronological)

Inventor	Date of Birth	Date of Death	Known For	Invention Date(s)
Trevithick, Richard	1771	1833	steam railway locomotive	1803
Jacquard, Joseph-Marie	1752	1834	Jacquard loom, an automatic pattern loom	1804
Congreve, William	1772	1828	military rocket	1805
Forsyth, Alexander John	1769	1843	percussion-lock musket	1805-1807
Fulton, Robert	1765	1815	commercial steamboat	1807
Heathcoat, John	1783	1861	lace-making machine	1809
Durand, Peter	Unknown	Unknown	tin can for canned food	1810
Koenig, Friedrich	1774	1833	steam-powered cylinder printing press <i>(with Andreas Bauer)</i>	1811
Bauer, Andreas	1783	1860	steam-powered cylinder printing press <i>(with Friedrich Koenig)</i>	1811
Blenkinsop, John	1783	1831	geared steam locomotive that was the first practical and successful railway locomotive	1812-1813
Maelzel, Johann	1772	1838	metronome	c. 1814-1816
Davy, Humphry	1778	1829	"Davy Lamp," a coal mine safety lamp	1815
McAdam, John Loudon	1756	1836	macadam road surface	1815
Brewster, David	1781	1868	kaleidoscope	1816-1817
Stirling, Robert	1790	1878	Stirling external-combustion engine	1816
Brunel, Marc Isambard	1769	1849	geared steam tunneling shield	1818
Boyden, Seth	1788	1870	type of patent leather	1818-1819
Drais, Karl	1785	1851	velocipede (forerunner of the bicycle and motorcycle)	1818
Baldwin, Matthias William	1795	1866	easier way to plate gold	1819
Laënnec, René-Théophile-Hyacinthe	1781	1826	stethoscope	c. 1819

Inventions (Chronological)

Inventor	Date of Birth	Date of Death	Known For	Invention Date(s)
Wood, Jethro	1774	1834	type of cast-iron plow whose parts could be removed and replaced when worn	1819
Schweigger, Johann	1779	1857	galvanometer	1820
Drais, Karl	1785	1851	first typewriter with a keyboard	1821
Hancock, Thomas	1786	1865	rubber masticator that was used to convert rubber scraps into usable rubber	1821
Macintosh, Charles	1766	1843	mackintosh waterproof fabric	1823
Braille, Louis	1809	1852	Braille writing system	1824
Roberts, Richard	1789	1864	automatic spinning mule	1825
Sturgeon, William	1783	1850	electromagnet able to support more than its own weight	1825
Stephenson, George	1781	1848	public passenger train pulled by steam locomotive	1825
Niépce, Joseph Nicéphore	1765	1833	permanent photographs	1826
Dreyse, Nikolaus von	1787	1867	needle-firing rifle	1827
Ressel, Josef	1793	1857	screw propeller for ships	1827
Fourneyron, Benoît	1802	1867	water turbine	1827
Delvigne, Henri-Gustave	1799	1876	cylindrical bullet	c. 1830
Budding, Edwin	1796	1846	lawnmower	1830
Fairbanks, Thaddeus	1796	1886	platform scale	1830-1831
Gurney, Goldsworthy	1793	1875	steam-powered large stagecoach (forerunner to a motor-driven bus)	1830
Cooper, Peter	1791	1883	<i>Tom Thumb</i> steam locomotive	1830
Henry, Joseph	1797	1878	electric bell	1831

Inventions (Chronological)

Inventor	Date of Birth	Date of Death	Known For	Invention Date(s)
McCormick, Cyrus Hall	1809	1884	mechanical reaper	1831
Villepreux-Power, Jeanne	1794	1871	glass aquarium	1832
Hussey, Obed	1792	1860	mechanical reaper	1833
Davenport, Thomas	1802	1851	electric motor	1834
Hansom, Joseph Aloysius	1803	1882	hansom cab, a horse-drawn type of taxi cab	1834
Babbage, Charles	1791	1871	Analytical Engine mechanical computer, forerunner of the digital computer	c. 1835
Burden, Henry	1791	1871	horseshoe manufacturing machine	1835
Talbot, William Henry Fox	1800	1877	negative-positive photography system	1835
Hill, Rowland	1795	1879	postage stamp	1835-1840
Colt, Samuel	1814	1862	revolver	1835
Daniell, John Frederic	1790	1845	Daniell cell battery, which was able to provide continuous, steady current	1836
Davy, Edward	1806	1885	electromagnetic telegraph repeater	c. 1836
Brunel, Isambard Kingdom	1806	1859	designed first transatlantic steamer	1837
Cooke, William Fothergill	1806	1879	electric needle telegraph (<i>with Charles Wheatstone but independent of Samuel Morse</i>)	1837
Wheatstone, Charles	1802	1875	electric needle telegraph (<i>with William Fothergill Cooke but independent of Samuel Morse</i>)	1837
Morse, Samuel F.B.	1791	1872	electric telegraph (<i>independent of William Fothergill Cooke and Charles Wheatstone</i>)	1837
Pitman, Isaac	1813	1897	Pitman shorthand	1837
Deere, John	1804	1886	all-steel one-piece plow	1838
Morse, Samuel F.B.	1791	1872	Morse code	1838

Inventions (Chronological)

Inventor	Date of Birth	Date of Death	Known For	Invention Date(s)
Jerome, Chauncey	1793	1868	one-day brass clock movement	c. 1838
Babbitt, Isaac	1799	1862	babbitt metal	1839
Daguerre, Louis-Jacques-Mandé	1787	1851	daguerreotype	1839
Bodmer, Johann Georg	1786	1864	gear-making machine that could make precise gears	1839-1841
Goodyear, Charles	1800	1860	vulcanized rubber	1839
Howe, William	1803	1852	Howe truss for bridges	1840
Bain, Alexander	Unavailable	Unavailable	fax machine	1842-1843
Sax, Antoine-Joseph (Adolphe)	1814	1894	saxophone	1842
Dart, Joseph	1799	1879	steam-powered grain elevator	1842
Ridley, John	1806	1887	reaping machine for wheat	1843
Thomson, Robert William	1822	1873	air-filled rubber tire	1845
Rodman, Thomas Jackson	1815	1871	prismatic gunpowder	c. 1845
Howe, Elias	1819	1867	hand-driven sewing machine	1846
Hoe, Richard March	1812	1886	rotary printing press	1846-1847
Minié, Claude-Étienne	1804	1879	cylindrical Minié ball designed for muzzle-loading rifles	1849
Hunt, Walter	1795	1859	modern safety pin	1849
Kelly, William	1811	1888	pneumatic steel-making process	c. 1850
Gorrie, John	c. 1802	1855	cold-air machine (forerunner of the air conditioner)	1851
Singer, Isaac Merrit	1811	1875	foot-powered pedal sewing machine (first practical sewing machine for home use)	1851
Burgess, Hugh	1825	1892	soda papermaking process that turns wood pulp to paper	1851

Inventions (Chronological)

Inventor	Date of Birth	Date of Death	Known For	Invention Date(s)
Archer, Frederick Scott	1813	1857	wet collodion photography process that could make multiple copies of a picture	1851
Otis, Elisha Graves	1811	1861	safety elevator	1852
Cayley, George	1773	1854	first glider to carry a human	1853
Pravaz, Charles Gabriel	1791	1853	hypodermic syringe	1853
Bessemer, Henry	1813	1898	Bessemer steelmaking process (first to do it inexpensively)	1856
Borden, Gail, Jr.	1801	1874	commercial process to condense milk	1856
Perkin, William	1838	1907	first artificial (synthetic) dye	1856
Gayetty, Joseph	Unavailable	Unavailable	toilet paper	1857
Lenoir, Étienne	1822	1900	commercially successful internal-combustion engine	1858-1859
Planté, Gaston	1834	1889	electric storage battery (accumulator)	1859
Coston, Martha	1826	1904	ship flares	1859
Swan, Joseph Wilson	1828	1914	early form of electric light	1860
Henry, Benjamin Tyler	Unavailable	Unavailable	lever-action repeating rifle and self-contained metallic cartridge	1860
Nordheim, Sondre	1825	1897	ski bindings to attach the boot to the ski	1860
Spencer, Christopher M.	1833	1922	Spencer breech-loading carbine	1860
Siemens, Charles William	1823	1883	open-hearth furnace	1861
Parrott, Robert Parker	1804	1877	Parrott gun (rifled cannon)	1861
Yale, Linus, Jr.	1821	1868	pin-tumbler cylinder lock	1861
Rue, Warren De la	1815	1889	astronomical photography	c. 1862
Gatling, Richard Jordan	1818	1903	Gatling gun (first practical rapid-fire gun)	1862

Inventions (Chronological)

Inventor	Date of Birth	Date of Death	Known For	Invention Date(s)
Brown, Joseph R.	1810	1876	universal milling machine (able to mass produce items accurately)	1862
Butterick, Ebenezer	1826	1903	standardized paper patterns for clothing	1863
Marcus, Siegfried	1831	1898	gasoline-powered automobile	1864-1865
Pasteur, Louis	1822	1895	pasteurization	1864
Pullman, George M.	1831	1897	Pullman sleeping car	1865
Lister, Samuel Cunliffe	1815	1906	silk-combing machine	c. 1865
Bullock, William	1813	1867	web-fed rotary printing press which uses a large roll of paper	1865
Leclanché, Georges	1839	1882	dry-cell battery	c. 1866
Allbutt, Thomas Clifford	1836	1925	modern clinical thermometer	1866
Nobel, Alfred Bernhard	1833	1896	dynamite	1867
Beach, Alfred Ely	1826	1896	pneumatic tube to move subway cars	1867
Monier, Joseph	1823	1906	reinforced concrete	1867
Wolseley, Frederick York	1837	1899	sheep shearing machine (<i>with John Howard</i>)	1867-1883
Howard, John	Unavailable	Unavailable	sheep shearing machine (<i>with Frederick York Wolseley</i>)	1867-1883
Lister, Joseph	1827	1912	surgical antiseptic	1867
Sholes, Christopher Latham	1819	1890	Remington typewriter, the first practical typewriter (<i>with Carlos Glidden and Samuel W. Soule</i>)	1868
Soule, Samuel W.	1830	1875	Remington typewriter, the first practical typewriter (<i>with Christopher Latham Sholes and Carlos Glidden</i>)	1868
Glidden, Carlos	1834	1877	Remington typewriter, the first practical typewriter (<i>with Christopher Latham Sholes and Samuel W. Soule</i>)	1868
Whitehead, Robert	1823	1905	torpedo	1868

Inventions (Chronological)

Inventor	Date of Birth	Date of Death	Known For	Invention Date(s)
Westinghouse, George	1846	1914	air brake	1869
Hyatt, John Wesley	1837	1920	first plastic celluloid	1869-1870
Hauron, Louis Ducos du	1837	1920	trichrome process of color photography	1869
Knight, Margaret	1838	1914	flat-bottomed paper bag	1870-1871
McCoy, Elijah	c. 1844	1929	automatic lubricator	early 1870s
Starley, James	1830	1881	bicycle with center-pivot steering (considered the first true bicycle)	1871
Glidden, Joseph Farwell	1813	1906	barbed wire	1873
Strauss, Levi	1829	1902	denim jeans with rivets (<i>with Jacob Davis</i>)	1873
Davis, Jacob	Unavailable	Unavailable	denim jeans with rivets (<i>with Levi Strauss</i>)	1873
Bissell, Melville Reuben	1843	1889	carpet sweeper	1876
Linde, Carl von	1842	1934	commercially successful compression refrigerator that used ammonia (more precise than other models)	1876
Otto, Nikolaus August	1832	1891	four-stroke internal-combustion engine	1876
Bell, Alexander Graham	1847	1922	telephone	1876
Yablochkov, Pavel Nikolayevich	1847	1894	Yablochkov candle (the first practical arc lamp)	1876
Shay, Ephraim	1839	1916	geared steam locomotive	c. 1877
Edison, Thomas Alva	1847	1931	phonograph cylinder sound recorder	1877
Berliner, Emile	1851	1929	practical telephone transmitter	1877
Brown, Joseph R.	1810	1876	universal grinding machine (patented after his death)	1877
Langley, Samuel Pierpoint	1834	1906	bolometer, which can measure extremely small temperature changes and is used in studying solar radiation	c. 1878

Inventions (Chronological)

Inventor	Date of Birth	Date of Death	Known For	Invention Date(s)
Laval, Gustave de	1845	1913	centrifugal cream separator	1878
Winters, Joseph Richard	c. 1825	1916	ladder that could be mounted to fire wagons or fire trucks	1878
Ritty, James	1836	1918	cash register	1879
Edison, Thomas Alva	1847	1931	incandescent lightbulb	c. 1879
Tesla, Nikola	1856	1943	alternating-current electric motor	1880-1888
Beasley, Maria (Maria Beasley Cox)	Unavailable	Unavailable	life raft	1880
Latimer, Lewis	1848	1928	way to produce longer-lasting carbon filaments for incandescent lights	c. 1880
Matzeliger, Jan Ernst	1852	1889	shoe-lasting machine	1882
Fritts, Charles	1850	1903	solar cell (photovoltaic cell)	1883
Hollerith, Herman	1860	1929	electric tabulating machine	1884
Mergenthaler, Ottmar	1854	1899	Linotype typesetting machine	1884
Maxim, Hiram	1840	1916	Maxim machine gun, the first fully automatic machine gun	1884
Parsons, Charles Algernon	1854	1931	multi-stage steam turbine that significantly changed marine propulsion	1884
Chardonnet, Hilaire Bernigaud de	1839	1924	rayon	1884
Daimler, Gottlieb	1834	1900	high-speed internal-combustion engine	1885
Benz, Karl Friedrich	1844	1929	practical automobile with an internal-combustion engine	1885
Hall, Charles Martin	1863	1914	electrolytic aluminum smelting (allowed aluminum to be widely used) (<i>independent of Paul-Louis-Toussaint Héroult</i>)	1886
Héroult, Paul-Louis-Toussaint	1863	1914	electrolytic aluminum smelting (allowed aluminum to be widely used) (<i>independent of Charles Martin Hall</i>)	1886

Inventions (Chronological)

Inventor	Date of Birth	Date of Death	Known For	Invention Date(s)
Bell, Alexander Graham	1847	1922	graphophone cylinder sound recorder <i>(with Charles Sumner Tainter and Chichester A. Bell)</i>	1886
Bell, Chichester A.	Unavailable	Unavailable	graphophone cylinder sound recorder <i>(with Charles Sumner Tainter and Alexander Graham Bell)</i>	1886
Tainter, Charles Sumner	1854	1940	graphophone cylinder sound recorder <i>(with Chichester A. Bell and Alexander Graham Bell)</i>	1886
Cochrane, Josephine	1839	1913	mechanical dishwasher	1886
Miles, Alexander	c. 1838	1918	commercially successful device to open and close elevator doors automatically	1887
Berliner, Emile	1851	1929	gramophone disc sound recorder (first successful phonograph to use records shaped like discs)	1887
Dunlop, John Boyd	1840	1921	pneumatic rubber tire	1887
Woods, Granville T.	1856	1910	railway telegraph system	1887
Eastman, George	1854	1932	Kodak camera	1888
King, Franklin Hiram	1848	1911	cylindrical grain silo	1889
Esposito, Raffaele	Unknown	Unknown	modern pizza	1889
Strowger, Almon	1839	1902	system to connect telephone calls automatically without a switchboard or operators	1889-1891
Harvey, Hayward	1824	1893	carburizing (surface hardening of steel plate to strengthen armor plating)	c. 1890s
Perky, Henry	1843	1906	shredded wheat	1890
Upton, Francis Robbins	1852	1921	smoke detector <i>(with Fernando J. Dibble)</i>	1890
Dibble, Fernando J.	Unavailable	Unavailable	smoke detector <i>(with Francis Robbins Upton)</i>	1890
Zeppelin, Ferdinand von	1838	1917	zeppelin airship	1890-1900

Inventions (Chronological)

Inventor	Date of Birth	Date of Death	Known For	Invention Date(s)
Naismith, James A.	1861	1939	basketball	1891
Painter, William	1838	1906	bottle cap	c. 1891
Reno, Jesse W.	1861	1947	escalator	1891
Boone, Sarah	c. 1830	c. 1904	type of ironing board	1891-1892
Diesel, Rudolf	1858	1913	diesel engine	1892
Burroughs, William	c. 1855	1898	printing-adding machine	1892
Dewar, James	1842	1923	vacuum flask	c. 1892
Sampson, George	c. 1855	1900s (unknown)	way to dry clothes indoors with a movable drying rack and stove	1892
Acheson, Edward Goodrich	1856	1931	Carborundum, a strong abrasive	1893
Judson, Whitcomb	1846	1909	first type of zipper	1893
Ferris, George Washington Gale, Jr.	1859	1896	modern wheel ride for amusement parks, the Ferris wheel	1893
Lilienthal, Otto	1848	1896	Lilienthal standard glider	1894
Lumière, Louis Jean	1864	1948	Cinématographe motion-picture camera and projector (<i>with Auguste Lumière</i>)	1895
Lumière, Auguste	1862	1954	Cinématographe motion-picture camera and projector (<i>with Louis Jean Lumière</i>)	1895
Gillette, King Camp	1855	1932	disposable razor	1895
Carver, George Washington	c. 1864	1943	hundreds of agricultural products	1896-1943
Marconi, Guglielmo	1874	1937	wireless telegraph	1896
Morrison, William	1860	1926	cotton candy (<i>with John C. Wharton</i>)	1897
Wharton, John C.	Unavailable	Unavailable	cotton candy (<i>with William Morrison</i>)	1897

Inventions (Chronological)

Inventor	Date of Birth	Date of Death	Known For	Invention Date(s)
Holland, John Philip	c. 1841	1914	gasoline-electric submarine	1898
Murray, Donald	1865	1945	teletype system	1899
Fessenden, Reginald Aubrey	1866	1932	amplitude modulation (AM) of radio waves	1900
Pupin, Michael Idvorsky	1858	1935	loading coil for telephones that improved sound quality and range	1900
Poulsen, Valdemar	1869	1942	telegraphone magnetic wire recorder	1900
Booth, Hubert Cecil	1871	1955	early type of vacuum cleaner that was as large as a carriage	1901
Carrier, Willis Haviland	1876	1950	air-conditioning	1902
Hershey, Milton	1857	1945	Hershey's chocolate	1903
Binney, Edwin	1866	1934	modern crayon (<i>with C. Harold Smith</i>)	1903
Smith, C. Harold	Unavailable	Unavailable	modern crayon (<i>with Edwin Binney</i>)	1903
Wright, Wilbur	1867	1912	powered, sustained, and controlled airplane flight (<i>along with Orville Wright</i>)	1903
Wright, Orville	1871	1948	powered, sustained, and controlled airplane flight (<i>along with Wilbur Wright</i>)	1903
Anderson, Mary	1866	1953	windshield wiper	1903
Fleming, John Ambrose	1849	1945	vacuum diode rectifier that converted radio signals into current able to be detected by a telephone receiver	1904
Walker, Sarah Breedlove (Madame C.J. Walker)	1867	1919	ointment to heal dandruff as well as a beauty empire	c. 1905
Forest, Lee De	1873	1961	Audion vacuum tube amplifier that made radio signals stronger	1906
Evinrude, Ole	1877	1934	marine outboard motor	1906-1909
Bentz, Melitta	Unavailable	Unavailable	coffee filters	1908

Inventions (Chronological)

Inventor	Date of Birth	Date of Death	Known For	Invention Date(s)
Colburn, Irving Wightman	1861	1917	Colburn flat-glass machine	1908-1917
Geiger, Hans	1882	1945	Geiger counter	1908
Spangler, James Murray	1848	1915	modern vacuum cleaner	1908
Baekeland, Leo Hendrik	1863	1944	Bakelite, the first entirely synthetic resin	1909
Haber, Fritz	1868	1934	process to make ammonia gas	1909
Gilbreth, Lillian	1878	1972	field of scientific management (<i>with her husband Frank Gilbreth</i>)	c. 1911
Gilbreth, Frank	1868	1924	field of scientific management (<i>with his wife Lillian Gilbreth</i>)	c. 1911
Sperry, Elmer Ambrose	1860	1930	gyroscopic compass	1911
Lewis, Isaac Newton	1858	1931	Lewis machine gun	1911
Hammond, John Hays, Jr.	1888	1965	radio remote control	1911-1914
Harroun, Ray	1879	1968	rearview mirror	1911
Kettering, Charles F.	1876	1958	automobile electrical starter	1912
Morgan, Garrett	1877	1963	gas mask	1912
Ford, Henry	1863	1947	automobile assembly line	1913-1914
Curtiss, Glenn	1878	1930	Hydroaeroplane	1913
Bendix, Vincent	c. 1881	1945	practical electrical starter for automobiles	c. 1913
Coolidge, William D.	1855	1926	X-ray tube	1916
Browning, John Moses	1855	1926	Browning automatic rifle	1918
Laval, Gustave de	1845	1913	cattle milking machine (not manufactured until after his death)	1918
Zworykin, Vladimir Kosma	1889	1982	iconoscope and kinescope electronic television camera and receiver	1923-1931

Inventions (Chronological)

Inventor	Date of Birth	Date of Death	Known For	Invention Date(s)
Morgan, Garrett	1877	1963	improved automatic electric traffic light	1923
Baird, John Logie	1888	1946	electromechanical television	1924
Birdseye, Clarence	1886	1956	method to quickly freeze food	1924-1925
Goddard, Robert Hutchings	1882	1945	liquid-fueled rocket engine	1926
Farnsworth, Philo Taylor	1906	1971	image dissector electronic television camera	1927
Diemer, Walter	c. 1904	1998	bubble gum	1928
Link, Edwin Albert	1904	1981	mechanical trainer used to train pilots while on the ground	1929
Graaff, Robert Jemison Van de	1901	1967	Van de Graaff generator for particle accelerators	c. 1929
Bíró, László József	1899	1985	ballpoint pen	1931
Bush, Vannevar	1890	1974	first reliable analog computer (the differential analyzer)	1931
Shoenberg, Isaac	1880	1963	high-definition electronic television system	1931–1935
Ruska, Ernst	1906	1988	electron microscope	1933
Armstrong, Edwin H.	1890	1954	frequency modulation (FM) of radio waves	1933
Osius, Fred	Unavailable	Unavailable	motor-powered blender	c. 1933
Lawrence, Ernest Orlando	1901	1958	cyclotron, a high-energy particle accelerator	1934
Hammond, Laurens	1895	1973	Hammond organ, commercially practical electronic organ	1934
Byler, William H.	Unavailable	Unavailable	black light	1935
Carothers, Wallace Hume	1896	1937	nylon	1935
Magee, Carl C.	Unavailable	1946	parking meter	1935
Watson-Watt, Robert Alexander	1892	1973	radar	1935

Inventions (Chronological)

Inventor	Date of Birth	Date of Death	Known For	Invention Date(s)
Phillips, Henry F.	1889	1958	Phillips-head screw	1936
Nissen, George	Unavailable	Unavailable	trampoline	1936
Whittle, Frank	1907	1996	jet engine	1937
Goldman, Sylvan	1898	1984	shopping cart	1937
DeLonge, Jonathon	Unavailable	Unavailable	beach ball	1938
Wakefield, Ruth Graves	1903	1977	chocolate chip cookies	c. 1938
Blodgett, Katharine	1898	1979	nonreflective glass	1938
McCullough, J. F. "Grandpa"	Unavailable	Unavailable	soft serve ice cream (<i>with Alex McCullough</i>)	1938
McCullough, Alex	Unavailable	Unavailable	soft serve ice cream (<i>with J.F. "Grandpa" McCullough</i>)	1938
Plunkett, Roy	Unavailable	Unavailable	Teflon	1938
Carlson, Chester F.	1906	1968	xerography	1938
Zuse, Konrad	1910	1955	digital computer	1939-1941
Ohain, Hans Joachim Pabst von	Unavailable	Unavailable	jet aircraft	1939
Sikorsky, Igor	1889	1972	motor-powered helicopter	1939
Cope, Paul	Unavailable	Unavailable	chemically made hot glue	c. 1940
Jones, Frederick McKinley	1893	1961	refrigeration unit that could be used in trucks	1940
Szilard, Leo	1898	1964	atomic reactor (<i>with Enrico Fermi</i>)	1942
Fermi, Enrico	1901	1954	atomic reactor (<i>with Leo Szilard</i>)	1942
Lamarr, Hedy	1914	2000	spread-spectrum technology (<i>with George Antheil</i>)	1942
Antheil, George	1900	1959	spread-spectrum technology (<i>with Hedy Lamarr</i>)	1942

Inventions (Chronological)

Inventor	Date of Birth	Date of Death	Known For	Invention Date(s)
Cousteau, Jacques-Yves	1910	1997	Aqua-Lung	1943
Kolff, Willem	1911	2009	kidney dialysis machine	1943
Teetor, Ralph	1890	1982	cruise control	1945
Spencer, Percy LeBaron	1894	1970	microwave technology for cooking	1945-1950
Eckert, John Presper, Jr.	1919	1995	general-purpose electronic digital computer (ENIAC) <i>(with John Mauchly)</i>	1946
Mauchly, John	1907	1980	general-purpose electronic digital computer (ENIAC) <i>(with John Presper Eckert, Jr.)</i>	1946
Donovan, Marion	1917	1998	modern disposable diaper	c. 1946
Paul, Les	1915	2009	eight-track tape recorder	c. 1947-1950s
Fuller, R. Buckminster	1895	1983	geodesic dome	c. 1947
Gabor, Dennis	1900	1979	holography	1947-1960
Land, Edwin Herbert	1909	1991	Polaroid instant-print camera	1947
Shockley, William B.	1910	1989	transistor <i>(with John Bardeen and Walter H. Brattain)</i>	1947
Brattain, Walter H.	1902	1987	transistor <i>(with John Bardeen and William Shockley)</i>	1947
Bardeen, John	1908	1991	transistor <i>(with Walter H. Brattain and William Schockley)</i>	1947
Telkes, Mária	1900	1995	solar-heated home	1948
Fender, Clarence Leo	1909	1991	solid-body electric guitar	1948
Draper, Charles Stark	1901	1987	inertial guidance systems for aircraft	c. 1949
Kilburn, Tom	1921	2001	Manchester Mark I stored-program digital computer	1949
Graham, Bette Nesmith	1924	1980	liquid correction fluid	1950s

Inventions (Chronological)

Inventor	Date of Birth	Date of Death	Known For	Invention Date(s)
Henson, Steve	Unavailable	Unavailable	ranch dressing	1950s
Apgar, Virginia	1909	1974	Apgar Score System	1952
Hopper, Grace	1906	1992	compiler to convert computer programming language into a target language	1952
Townes, Charles	1915	2015	maser, a type of early laser (<i>with Arthur Schawlow</i>)	1953
Schawlow, Arthur	1921	1999	maser, a type of early laser (<i>with Charles Townes</i>)	1953
Gal, Uziel	1923	2002	Uzi submachine gun	1954
Wankel, Felix	1902	1988	Wankel rotary gasoline engine	1954
Cockerell, Christopher	1910	1999	hovercraft	1955
Disney, Walt	1901	1966	modern theme park	1955
Higinbotham, William	1910	1994	first video game	1958
Ando, Momofuku	1910	2007	instant noodles	1958
Noyce, Robert	1927	1990	integrated circuit (<i>independent of Jack Kilby</i>)	1958
Kilby, Jack	1923	2005	integrated circuit (<i>independent of Robert Noyce</i>)	1958-1959
Maiman, Theodore H.	1927	2007	first working laser	1960
Engelbart, Douglas	1925	2013	computer mouse	1963
DeBakey, Michael	1908	2008	coronary artery bypass	1964
Cray, Seymour	1925	1996	supercomputer	1964
Kwolek, Stephanie	1923	2014	Kevlar	1965
Kilby, Jack	1923	2005	small handheld calculator	1967-1972
Baer, Ralph	1922	2014	video game console	1968

Inventions (Chronological)

Inventor	Date of Birth	Date of Death	Known For	Invention Date(s)
Brown, Marie Van Brittan	1922	1999	home security system	1969
Thompson, Kenneth L.	1943	N/A	UNIX operating system (<i>with Dennis M. Ritchie</i>)	1969-1973
Ritchie, Dennis M.	1941	2011	UNIX operating system (<i>with Kenneth L. Thompson</i>)	1969-1973
Cooper, Martin	1928	N/A	handheld cell phone	1972-1973
Mansfield, Peter	1933	2017	magnetic resonance imaging (MRI) (<i>with Paul Lauterbur</i>)	1973
Lauterbur, Paul	1929	2007	magnetic resonance imaging (MRI) (<i>with Peter Mansfield</i>)	1973
Rubik, Erno	1944	N/A	Rubik's cube	1974
Cerf, Vinton	1943	N/A	Transmission Control Protocol/ Internet Protocol (TCP/IP) (<i>with Robert Kahn</i>)	1974
Kahn, Robert	1938	N/A	Transmission Control Protocol/ Internet Protocol (TCP/IP) (<i>with Vinton Cerf</i>)	1974
Wozniak, Stephen	1950	N/A	first commercially successful personal computer (<i>with Steve Jobs</i>)	1976-1977
Jobs, Steve	1955	2011	first commercially successful personal computer (<i>with Steve Wozniak</i>)	1976-1977
Cover, Jack	1920	2009	taser	1976
Sanger, Frederick	1918	2013	DNA sequencing	1977
Thomas, Valerie	1943	N/A	illusion transmitter used in aerospace work	1978
Clark, Graeme Milbourne	1935	N/A	multi-channel cochlear implant	1978
Kodama, Hideo	Unavailable	Unavailable	3D printing	1981
Bath, Patricia	1942	2019	laserphaco probe for cataract removal	1981
Rohrer, Heinrich	1933	2013	scanning tunneling microscope (<i>with Gerd Binnig</i>)	1981
Binnig, Gerd	1947	N/A	scanning tunneling microscope (<i>with Heinrich Rohrer</i>)	1981

Inventions (Chronological)

Inventor	Date of Birth	Date of Death	Known For	Invention Date(s)
Berners-Lee, Tim	1955	N/A	World Wide Web	1990-1991
Torvalds, Linus	1969	N/A	Linux open-source operating system	1991
Nakamura, Shuji	1954	N/A	blue light-emitting diode (LED) <i>(independent of Isamu Akasaki and Hiroshi Amano)</i>	1992-1993
Akasaki, Isamu	1929	N/A	blue light-emitting diode (LED) <i>(with Hiroshi Amano but independent of Shuji Nakamura)</i>	1992-1993
Amano, Hiroshi	1960	N/A	blue light-emitting diode (LED) <i>(with Isamu Akasaki but independent of Shuji Nakamura)</i>	1992-1993
Kamen, Dean	1951	N/A	iBot (a wheelchair that could climb stairs)	1999
Kamen, Dean	1951	N/A	Segway	2001