

## Inventors – Metalwork

**Carl Benz** - was the German mechanical engineer who designed and in 1885 built the world's first practical automobile to be powered by an internal-combustion engine

**Thomas Edison** – invented and developed the tin foil phonograph. When working to improve the efficiency of a telegraph transmitter, causing him to wonder if he could record a telephone message. His experiments led him to try a stylus on a tinfoil cylinder, which, to his great surprise, played back the short message he recorded,

**Harry Ferguson** – Ferguson became the first person to fly in Ireland, when he took off on December 31 in a monoplane he had designed and built himself. After falling out with his brother over the safety and future of aviation Ferguson decided to go it alone, and in 1911 founded a company selling Maxwell automobile, Star and Vauxhall cars - eventually to be named Harry Ferguson Limited.

**Issac Singer** – invented a machine to drill rock, and then developed the sewing machine.

**Rudolph Diesel** - Developed the idea of an engine that relied on a high compression of the fuel to ignite it, eliminating the spark plug used in the Nikolaus Otto internal combustion engine.

**Micheal Faraday** - British physicist and chemist, best known for his discoveries of electromagnetic induction and of the laws of electrolysis. His biggest breakthrough in electricity was his invention of the electric motor

**Charles Parsons** - was an Irish engineer, best known for his invention of the steam turbine.

**John Logie Baird** - Although the development of television was the result of work by many inventors, Baird is one of its foremost pioneers. He is generally credited with being the first person to produce a live, moving television image in halftones by reflected light, among other major advances he later made in the field.

**Fr. Nicholas Callan** – discovered electromagnetic induction which basically means that a changing magnetic field can induce an electrical current to flow in a strip of wire.

**The Wright Brothers** – Flight, wings and aerofoils.

**John P. Holland** - was an engineer who developed the first submarine accepted by the U.S. Navy.

**Nicholas Otto** – responsible for inventing the four stroke petrol engine

**William Siemens** - German-born English engineer and inventor, important in the development of the steel and telegraph industries