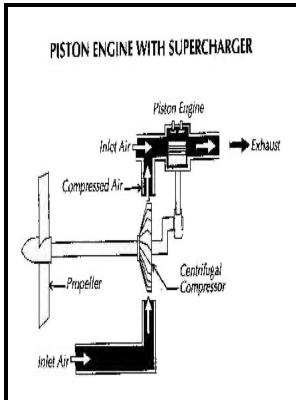


# History of the aircraft piston engines - a brief outline.

Ethyl Corp., Research and Development Dept. - Samuel Dalziel Heron



Description: -

Airplanes -- Motors. History of the aircraft piston engines - a brief outline.

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Notes: Includes bibliography.

This edition was published in 1961



Filesize: 42.71 MB

Tags: #PISTON #ENGINE #EBOOKS

## 100 years of Aircraft engines

Fuels Of at least equal importance to all other areas of actual engine development is the development of fuels. The Brayton engine was to some extent the precursor of the present Diesel engine.

## Samuel Dalziel Heron

During World War II, the best piston engines used a turbocharger. Here the role of the sandwich core is to carry any shear loads and separate the two skins as far as possible.

## A Brief History of Aircraft Structures

At higher altitudes, turbocharging works better than supercharging, which uses a geared mechanism driven off the crankshaft to compress air.

## Types of Aircraft Piston Engines

Engine power is a function of the pressure at which induction occurs. The airframe was about 80 percent redesigned from the DH. Barsanti and Matteucci Engine The well known hot-tube method of ignition, which later became popular and has only in comparatively recent times been supplanted by electric ignition, was patented in America by Drake, and later, in 1855, by Newton, in England.

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