

# Internal combustion engine (ICE)

PERFORMED:

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DOSHCHANNIKOV MAXIM

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# ICE

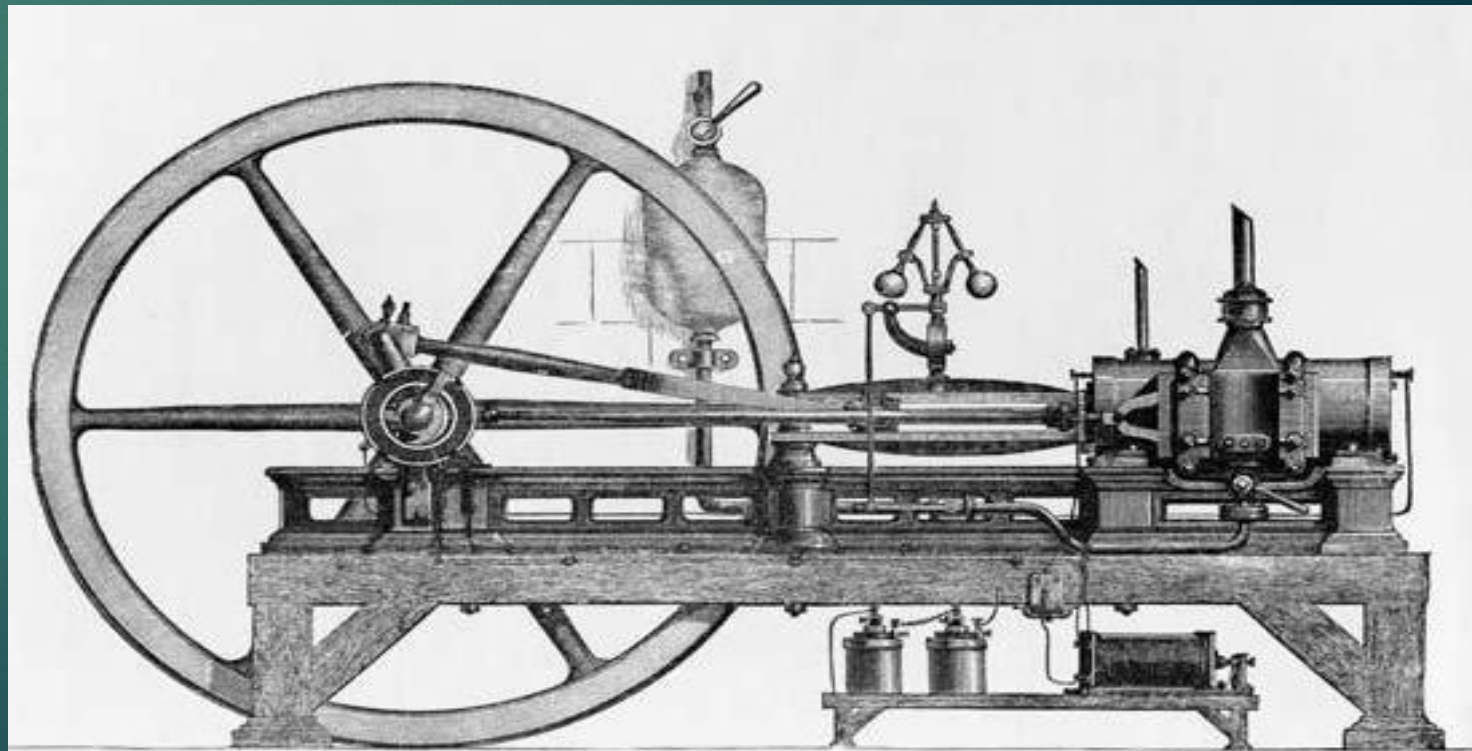


**An internal combustion engine (ICE)** is a heat engine in which the chemical energy of a fuel that burns in the working cavity is converted into mechanical work.

# Etienne Lenoir and his ICE (1860)



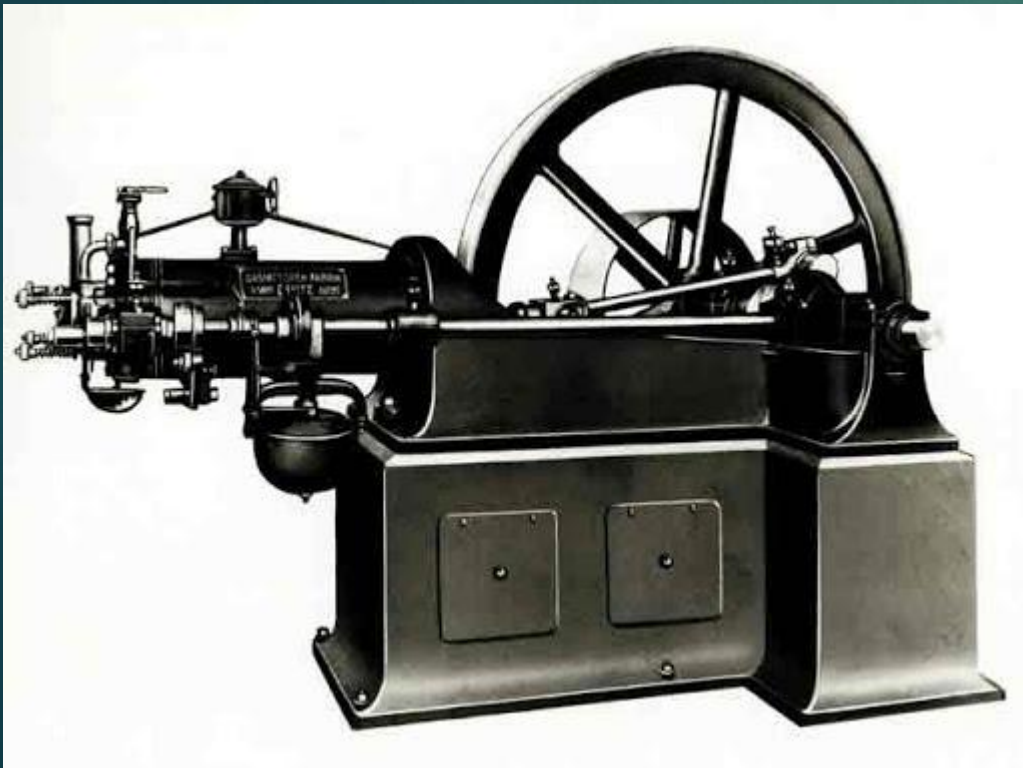
- ▶ The efficiency of this engine was only 3.3%.



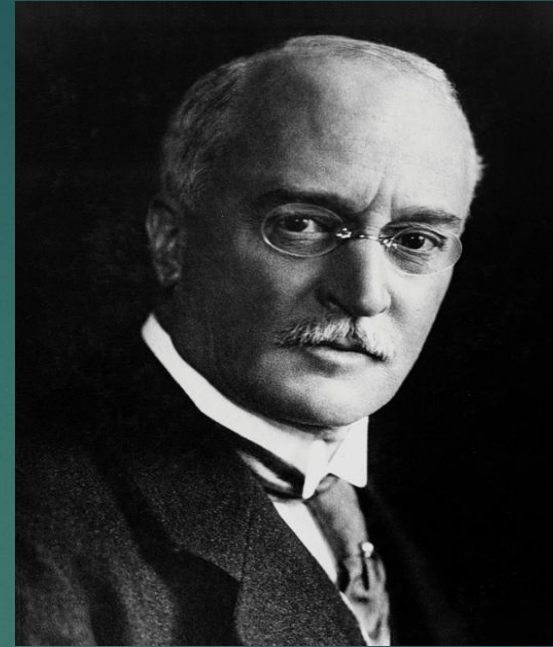


# Nikolaus August Otto

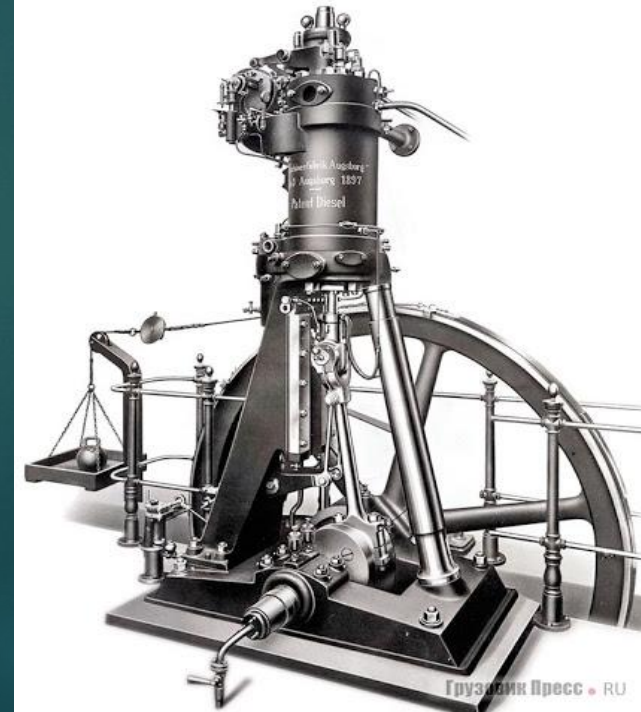
- ▶ In 1876, the German inventor Nikolaus August Otto built a more sophisticated 4 stroke gas.



In the 1880s O.S. Kostovich in Russia built the first gasoline carburetor engine.

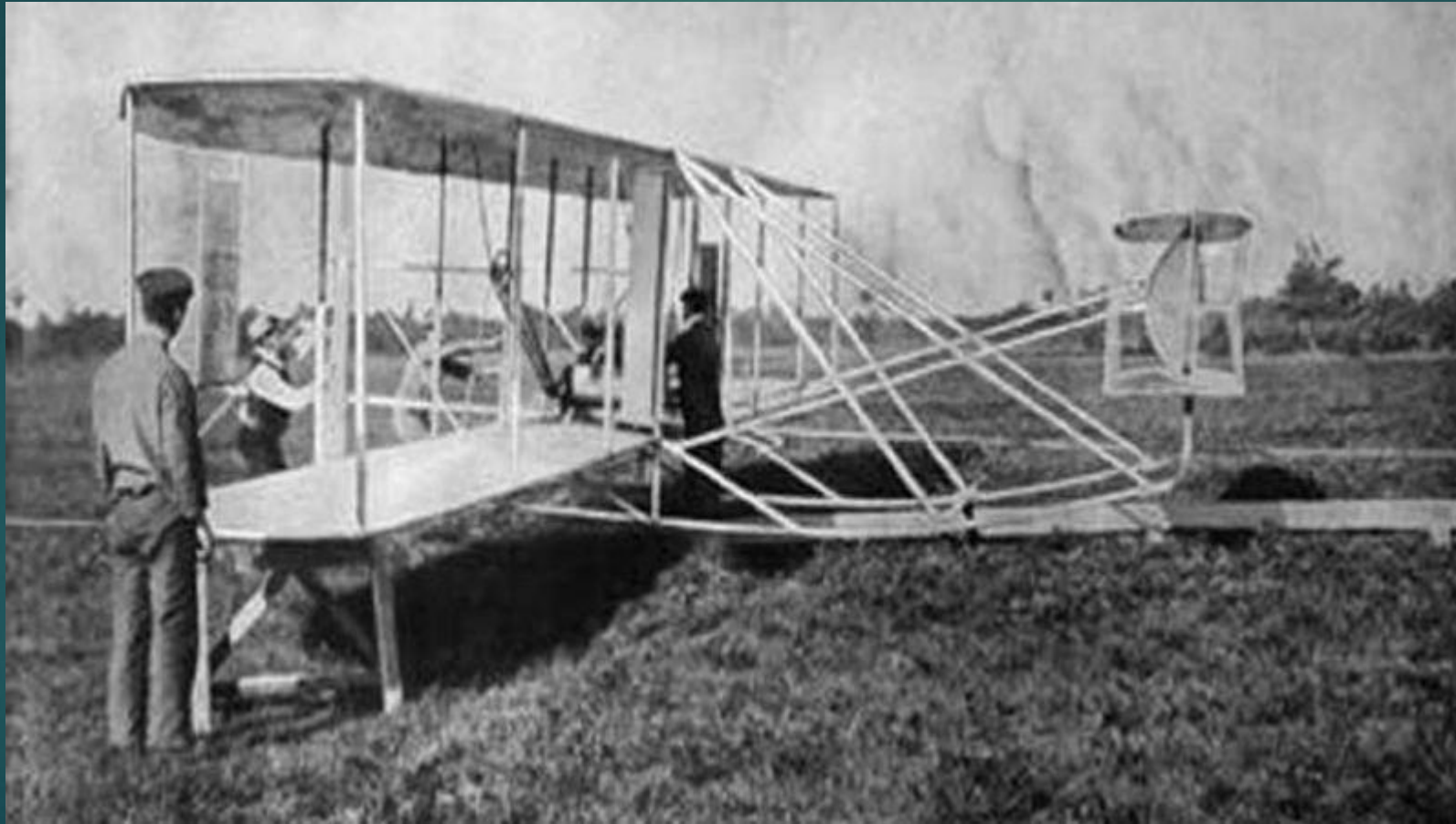


In 1897, German engineer Rudolf Diesel received a patent for an engine, later named after him.





# The first aircraft





THANK YOU FOR WATCHING!