



## The Cycles of Gas and Oil Engines

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By James D Roots

Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.This historic book may have numerous typos and missing text. Purchasers can download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1899 Excerpt: .out-stroke the cycle re-commences. The Rochas or Otto cycle, therefore, consists of four strokes of the piston or two revolutions of the crank shaft. During the first stroke in a single-acting engine the piston moves outward, or away from the cover towards the crank, drawing in its charge, consisting of the fuel gas or vapour mixed with air. In some engines on this cycle the admission valve is opened by mechanism actuated by the crank shaft, and in others by the pressure of the atmosphere on the outside of the valve. This charge, consisting of the mixed fuel and air mingled with the products of the previous combustion, is then compressed by the piston to a pressure determined by the volume of the clearance or combustion space, the ignition is effected by one of the various devices in use for that purpose just upon or a...



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