



## A Textbook on Gas, Oil, and Air Engines; Or, Internal Combustion Motors Without Boiler (Paperback)

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By Bryan Donkin

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. 1894 Excerpt: .conditions, tho ratio of expansion to increase of temperature, and other modifying circumstances have to be considered. To calculate the work of an actual engine four or five temperatures, with their corresponding variations of volumes and pressures, must be determined and calculated from experiment. The above formula gives the method of calculation, not the process by which it has been arrived at. Ideal Efficiency.--Both the highest and lowest temperatures,  $T_j$  and  $T_0$ , in a heat engine, and the maximum amount of work which may be obtained from it, are restricted within certain limits. Even in this perfect cycle, it has been proved to be impossible for the lowest temperature,  $T_0$ , to fall below a given point. The highest,  $T_j$ , is almost as rigidly defined by tho phenomena of dissociation, the power of the cast-iron cylinder and the lubricant to resist great heat, and other circumstances....



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