



Physics in Relation to the Development of the Internal Combustion Engine (Classic Reprint) (Paperback)

By Alan E L Chorlton

Forgotten Books, 2017. Paperback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****.Excerpt from Physics in Relation to the Development of the Internal Combustion Engine No doubt, during this mechanical age some theoretical consideration was given to the subject, experimenters examining their designs in the light of such information as they had of the physical characteristics known at the time. We might, as an instance of knowledge or foresight, take the inventions of Barnett, in 1838. He invented three engines, each shewing marked novelty, but the outstanding feature was the introduction of the principle of compression, which has been the mainspring of economy ever since. The mechanical age continued some time after Barnett, and various linkage devices, such as the free piston engine, were tried, until design finally settled down to the conventional crank and connecting rod of the reciprocating prime movers that we have to-day. During this period but little scientific research was carried out and this is doubtless the reason for many erroneous ideas continuing to be held of the working processes of the engine. Such an idea was that of Lenior, who supposed that the economy of the engine would be improved...



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