



Modern Engines and Power Generators, Vol. 3: A Practical Work on Prime Movers and the Transmission of Power, Steam, Electric, Water and Hot Air (Classic Reprint)

By Rankin Kennedy

Forgotten Books. Paperback. Condition: New. This item is printed on demand. 240 pages.

Dimensions: 9.0in. x 6.0in. x 0.5in. Excerpt from Modern Engines and Power Generators, Vol. 3: A Practical Work on Prime Movers and the Transmission of Power, Steam, Electric, Water and Hot Air. This Volume is descriptive of prime movers on road vehicles - steam, oil, and petrol, with some further reference to the coming prime mover, the hot air or gas turbine. The chief developments in prime movers for road vehicles and for small boats have been in the direction of improved internal combustion reciprocating engines, mostly of that class employing petrol fuel, and not of great powers. The petrol-electric system has been adopted on one railway in a tentative way, and has much in its favour. It is a system worthy of more attention for road vehicles, as offering a satisfactory substitute for the complications introduced by mechanical gearing. For speed control, reversing and differential gear, mechanical devices must be inefficient, noisy, and in course of time develop slackness. The turbine has not come forward in road or rail traction, the principal drawback being the inefficiency of all turbines working non-condensing; a very high vacuum being required for...



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