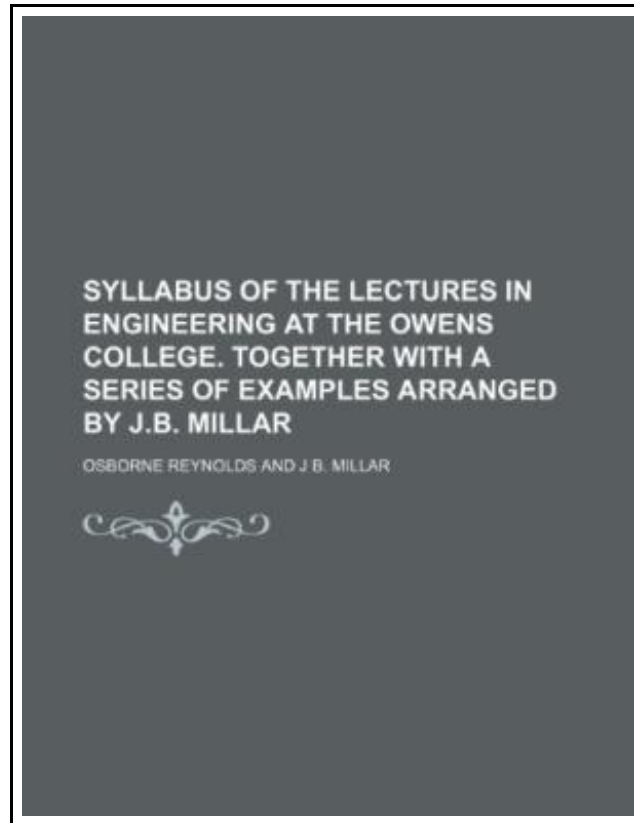


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Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.This historic book may have numerous typos and missing text. Purchasers can download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1883 edition. Excerpt: .131. For what depths of fall are overshot and pitch-back wheels respectively adapted? 132. Describe Poncelet s undershot water-wheel. In what respects is it better than that with radial floats? Show how to find the angle the tangent to the floats at their outer extremity should make with the radii of the wheel. 133. State the efficiency of the different classes of water-wheels. Turbines. 123. Free jet turbine. 124. Parallel-flow turbine. 125. Inward and outward flow turbines. 126. Compound turbines. 127. The friction of turbines and their efficiency. Centrifugal Pumps. 128. Various forms of centrifugal pumps. 129. Appold s pump. 130. The theory of centrifugal pumps--the same as turbines. Ex. 134. A parallel-flow turbine passes 20 cubic feet of water per second under a head of 5 feet; the external diameter of the turbine is 5 feet: find the internal diameter and the speed of rotation. 135. In a vortex-turbine the depth of the wheel is 6 of the diameter, and the combined area of the orifices through which the water enters the wheel is t the diameter squared; find the size and speed of the wheel in terms of the head and quantity of water. 136. It is necessary that the water in the centrifugal pump should at one part of its course have considerable velocity of whirl; it it be allowed to leave the pump with this velocity the actual energy will be lost. Describe the two methods by which this energy can...

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