

The Knowledge Bank at The Ohio State University
Ohio State Engineer

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The Engineer's Bookshelf

*THE ENGINEER

"Engineering is a profession so old that it has never been traced to its beginning."—John Hays Hammond.

John Hays Hammond, one of the world's most prominent engineers, is the author of a very delightful book called, *The Engineer*.

The first half of the book takes up in detail the engineering profession and the qualities necessary for an engineer. It deals with the history of engineering, its advantages and disadvantages, the qualities of an engineer; in fact, everything which anyone undecided as to his fitness for this profession would be likely to want to know. It is interesting to note that Mr. Hammond ranks English with drawing and mathematics as the most important studies that an embryo engineer should study.

The last half of the book deals with the different branches of engineering, taking up in detail the mining, mechanical, electrical, civil, chemical, marine, and military engineer, each in his relation to the others, the business, and social world.

The book is written in plain, clear, and forceful English, is easily read, and is small enough to enable one to carry it in one's pocket. To those who are undecided as to whether or not they are fitted for the profession it should be a great aid.

—William J. Michel, '26.

* Charles Scribner's Sons, New York, 1922. Price \$1.25.

A companionable book on one's desk, where it is convenient for reading at odd moments, gives variety and zest to life. This list of ten has been selected because the writer has found them interesting:

Main Travelled Roads	Hamlin Garland
Flute and Violin.....	James Lane Allen
The Odd Number.....	Guy de Maupassant
The Voice of the City.....	O. Henry
Gallegher	Richard Harding Davis
The Americanization of Edward Bok.....	Bok
Through the Magic Door.....	Conan Doyle
Companionable Books.....	Henry Van Dyke
Where the Blue Begins..	Christopher Morley
Sentimental Tommy.....	J. M. Barrie

A new type of reciprocating engine, for which the inventor, E. N. G. Reagan, claims a greatly increased horse-power for a given pressure, is a radical departure from the present-day type.

It has no base, no crank-case, no crank-shaft, no connecting-rod, no fly-wheel, no gaskets or packing-glands, no screws or bolts in its moving parts, and is controlled by one lever in all positions of speed, viz., forward, neutral, reverse and brake.

The South African Railways have recently awarded a six-months contract to the manufacturers of "Natalite," a gasoline substitute for use in motor transport service. "Natalite" is a sugar cane distillate, made largely from waste materials, and was offered at a much lower price than gasoline.