

James Gilbert White.

All of our alumni and undergraduates will, no doubt, be interested in the following extracts taken from Casstler's Magazine for September. They deal with biographical facts taken from the life of one of State's most prominent and successful graduates. The whole article, covering five and one half pages, excluding a full page cut of Mr. White may be obtained by referring to the magazine mentioned.

"In 1877, when he was 16 years of age, young White entered The Pennsylvania State College, taking the course in arts, and graduating with the degree of A. B. in 1882. During the summer vacations of his college course, he devoted a large part of his time to such engineering work of one kind or another as would give him a better appreciation of his college work and enable him to more thoroughly understand and appreciate the bearing of his scientific studies upon industrial life. His most extensive summer work was done in 1881, when he spent considerable time with a party engaged in surveying in Northern Pennsylvania, and later, in the civil engineering department of the Cambria Iron Company, of Johnstown, Pa. After receiving the degree of A. B., he returned to The Pennsylvania State College and concentrated his time upon civil engineering. Immediately thereafter he tasted his newly acquired knowledge by putting in a summer on the reconnaissance and location surveys of a steam railroad in Central Pennsylvania."

"He seems constantly to have been drawn from the class room into the field of practical engineering activity, and back again to the class room. In 1883, he entered Lehigh University with the intention of studying mining engineering. While there, and during the winter of 1883-1884, he became especially interested in electrical investigations, and finally determined upon making electrical

engineering his life work. His final ambition, however, was not at once open to attainment; to his mind, his ground work in both practical and theoretical engineering had not been made complete."

"One of the chief essentials of the finished engineer is that he shall have an exact conception of the means and methods employed to perfect the workmanship of engineering structures. In the case of many engineers of the present day such experience is largely derived from college shops and workrooms, but Mr. White turned rather to the non-academic field for this experience; accordingly, he spent the summer of 1884 with the Cambria Iron Co. in the office of the master mechanic upon work embracing the designing of various pieces of machinery required in the manufacture of iron and steel."

"In 1884 Mr., White entered upon his final work as a student in college. After the summer spent in Johnstown he entered Cornell University, specializing in electrical engineering and physics."

"Here he found excellent facilities for returning to and continuing his study of electricity and electrical phenomena. His work while at Cornell was highly gratifying and successful; in fact, he received a fellowship in electrical engineering, followed by the degree of Ph.D., conferred at the commencement of 1885."

"In a measure, Mr. White may be judged fortunate in having accepted, after his graduation from Cornell, the position of instructor in physics in the University of Nebraska. It led him for two years to give his attention to what was, in a great part, a careful review of much of the work he had gone over while in college, with the added value of the constant suggestion which comes to the instructor from his contact with the inquiring minds of the students. It is not astonishing, however, in view of the disposition he had previously

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