June 1908.

Graduated from the University of Pennsylvania, receiving the degree of B. S. in Civil Engineering. Summer work during college course, - Foreman, Barnard Plant of the Pennsylvania Feldspar Company in 1905; Rodman and Inspector on excavation of the Bergen Hill Section of the Pennsylvania R. R. tunnels into New York in 1906.

June 1908 to May 8, 1909.

Inspector and chief of party Hackensack Approach Penna. R. R. Tunnels. Work consisted of rock excavation and concrete retaining walls. January 15, 1909, to May 8, 1909, office work on final estimates and engineers' report of the Bergen Hill tunnels. Reported to F. Lavis, Res. Engr., Member Amer. Soc. C. E.

May 8, 1909 - to September 15, 1909.

Engineer in charge of construction of the McIntyre (Ga.) plant of the Kaolin Mining Company. Constructed $30,000 plant, handling about 50 mechanics, carpenters, etc.

September 15, 1909 - January 15, 1911.

General superintendent of the Kaolin Mining Company and allied companies. Reported to S. Harry Worth, President, Philadelphia, Pa.

January 15, 1911 - to Dec. 31, 1915.

A member of the firm of Emory & Eisenbrey, Civil, Chemical