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CHARLES M. SPOFFORD

(Continued from page 1.)

upon bridges and buildings. He has examined and reported upon the condition of a number of bridges and other structures, and as consulting engineer for the Boston Elevated Company, examined, reported upon and designed the reinforcement required to place a number of Boston bridges in condition for heavy street car traffic. The work included a very original and ingenious design for strengthening the Boylston Street bridge over the Boston & Albany Railroad.

Since going to Brooklyn, Professor Spofford has been employed by the City of New York as an expert upon a question relating to the strength of mortar. He has also done experimental work for one of the prominent contractors of New York and for one of the larger asphalt companies of the city. His principal consulting work in New York has been that done during the summer of 1908, when with Mr. C. W. Hudson he investigated the strength of the Blackwell's Island bridge, a statistically indeterminate work requiring the application of the highest principles of structural design for its solution. This is the second largest and heaviest bridge in the world, and the experience gained in this investigation is one which few engineers are fortunate enough to obtain. Professor Spofford has an office in New York, where he is associated with Mr. Hudson, in a firm of consulting engineers.

Teaching Experience

Professor Spofford was a member of the instructing staff of the Institute from 1896 to 1903. At the Institute he taught bridge design and structures, and he gave the course in foundations during the latter portion of his stay. He was engaged also in surveying field work and in the railroad survey.

In 1905 he was appointed Professor of Civil Engineering at the Brooklyn Polytechnic Institute. At this time this institution was entering upon a new career under a new president, and he was engaged to reorganize the civil engineering department. This he has done so thoroughly that the standard now existing there is probably excelled by few, if any, institutions in the country.

Since going to Brooklyn he has taught hydraulics and mechanics of materials throughout the four years, and for two years has taught the subjects of public water supply and sewage disposal. From the beginning he has taken personal charge of all work in structures and bridge design, the two latter subjects being the strongest feature of the Civil Engineering course.

A notable feature of his work in Brooklyn has been his evening lectures upon structures and his Saturday afternoon exercises in bridge design. These lectures are taken by adults of from twenty to forty years of age who are engaged in active engineering work in and about New York, most of these men being graduates of college and other technical schools, including graduates of the Institute.

In connection with his teaching at Brooklyn, Professor Spofford is preparing a very complete work on structures, which will contain much original matter, and be of great practical use, the aim being to prepare a thorough treatment of the fundamental principles and to illustrate these principles by numerous examples; higher types of structures being also treated in a clear and practical way.

Professor Spofford is a member of the American Society of Civil Engineers, of the Boston Society of Civil Engineers, and of the Brooklyn Engineers Club; of the latter he is a director, and for the last year has been chairman of its committee on entertainments; he has been a member of the committee on reinforced concrete of the National Association of Cement Users, and is a member of the Society for the Promotion of Engineering Education. He is also a member of the Hamilton Club of Brooklyn, the leading social club of that city.

Charles A. Gibbons, 1908, who since his graduation has been an assistant in the Mining Engineering Department, left Thursday for Kelvin, Arizona, where he is to enter the employ of a large mining company.

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