

LEWIS B. STILLWELL
M. G. STARRETT
F. M. BRINCKERHOFF

L. B. STILLWELL
CONSULTING ENGINEER
90 WEST STREET, N. Y. CITY
Princeton, N. J.

BIOGRAPHICAL SKETCH

Name: Lewis Buckley Stillwell

Date and Place of Birth: March 12, 1863; Scranton, Pa.

Occupation: Electrical Engineer

Residence: Princeton, New Jersey

Preliminary Education: Two years at Wesleyan University, Middletown, Connecticut; one year course in electrical engineering at Lehigh University completed in June 1885; special work in mechanical engineering at Lehigh.

Positions Held: Assistant Electrician, Westinghouse Electric Company, 1886-1891

Chief Electrical Engineer, Westinghouse Electric Company, 1891-1897

Electrical Director, Niagara Falls Power Company, 1897-1900

General consulting practice with offices in New York City since 1900

Inventions: Voltage control of alternating current circuits by transformers of adjustable conversion ratio or by induction regulators

The time limit automatic circuit breaker

Diagramatic operating switchboard control of switch gear in central stations, etc.

Other patents in the electrical field and in the design of steel passenger cars

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Scientific and Technical Societies

- 4 Member, National Academy of Sciences
- Past President of the American Institute of Electrical Engineers
- 1 Past President of the American Institute of Consulting Engineers
- Chairman, Engineering Foundation, 1924-1928
- 2 Member, American Society of Civil Engineers
- 3 Member, British Institution of Electrical Engineers
- 5 Fellow, Royal Society of Arts, Great Britain
- 6 Member, American Philosophical Society, Philadelphia
- 7 Member, Franklin Institute, Philadelphia

Clubs

The Century Association, New York
Union League Club, New York
Cosmos Club, Washington, D.C.
Nassau Club, Princeton, N.J.
{ The Alpha Delta Phi Fraternity
The Holland Society of New York

Other Organizations

A life trustee of Princeton University, elected 1920
Member National Research Council during the World War
A director of the Chamber of Commerce of the United States, 1921-1923

Professional Work

From 1886 to 1897, under the leadership of George Westinghouse, actively associated with O. B. Shellenberger, William Stanley, Albert Schmid, Philip Lange, Charles F. Scott, Benjamin G. Lamme, Nicola Tesla, and others in the development and commercial introduction of the alternating current system.

From March 1897 to September 1900 in charge of the electrical work at Niagara Falls, including organization and direction of the operating force.

Since completion of Power House No. 1 at Niagara and establishment as consulting engineer in New York in 1900 his more important work includes the following:

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✓ Electrical equipment of the Manhattan Elevated Railway 1900-1906

✓ Electrical equipment Rapid Transit Subway Construction Company during electrification of first rapid transit subway in New York 1900-1909

✓ Electrical and rolling stock equipment of the Hudson and Manhattan Railroad 1905-1913

✓ Reorganization and extension of the power supply system of the United Railways and Electric Company of Baltimore 1906-1920

✓ Power plant and distributing system of the Lehigh Coal and Navigation Company, the first large power installation in America 'at the mouth of the mine' 1912-1918

Other professional engagements include the following:

✓ Consulting engineer Wilkesbarre & Hazelton Railway 1902-1905. The first electric railway in America using a plank guard horizontally suspended above third rail.

✓ Member Erie Railroad Electric Commission 1906

✓ Consulting Engineer Interborough Rapid Transit Company 1909-1920. During this period the Interborough System was greatly extended.

✓ Consulting Engineer New York, New Haven & Hartford Railroad Company (Hoosac Tunnel electrification) 1910-1911

✓ Consulting Engineer New York, West Chester & Boston Railway Company in charge of rolling stock and electrical equipment 1911-1915

✓ Consulting Engineer New York Municipal Railway Corporation 1913-1916

✓ Member Board of Economics and Engineering, National Association of Owners of Railroad Securities, 1921-1922

✓ Consulting Electrical Engineer New York State Bridge and Tunnel Commission and New Jersey Interstate Bridge and Tunnel Commission 1924-1927

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Consulting Electrical Engineer, The Port of New York Authority, 1927-

Honorary Degrees: M.S. Lehigh, 1907; Sc.D. Wesleyan, 1907;
Sc. D. Lehigh, 1914

In 1899, he was awarded the Niagara Medal by the President of the Niagara Falls Power Company, Lord Kelvin being the only other electrician awarded this medal.

In 1929, the American Society of Civil Engineers conferred upon him a medal "for leadership as Chairman of Engineering Foundation in consolidating the research work of the Foundation and the Founder Societies".

Non-professional activities:

Upon removal of his offices from Niagara Falls to New York City in 1900, established his residence at Lakewood, New Jersey. Removed to Princeton, New Jersey, in 1927.

While living at Lakewood he was active in the establishment of the Paul Kimball Hospital and became the first President of its Board of Trustees.

He served a number of years as a member of the Vestry of All Saints Parish in Lakewood and was active as an officer and director of the Lakewood Country Club.

He married, April 19, 1892, Mary Elizabeth Thurston, daughter of George H. and Mary C. Thurston of Pittsburgh. They have one son, Professor Richard Stillwell, a member of the faculty of Princeton University in the Department of Art and Archaeology. Professor Stillwell is an architect by profession, and in 1932 became Director of the American School of Classical Studies at Athens.