



2/9/20

President

Arthur C. Willard

Arthur C. Willard Papers, 1900-, 1949, 1951, 1954, 1956

Box 1:

Air, Steam, Water, Oil, Flow of, 1914-34

Air Conditioning, Air Washing, Humidifying, Cooling, Drying, 1907-32

Air Conditioning, 1924-34

Consulting Services

Executive Office Building, 1909

Columbia Hospital, 1912

Keep House, 1908

Mann House, 1910

St. John's Church, 1913

St. Martin's Church, 1911

Sedgley House, 1913

Southern Illinois State Normal University 1913-14

Woodward and Lathrop, 1913

Washington and Lee University

Army Quartermaster, U.S. - Specifications, 1908-14

Army Cantonment, Barracks Heaters, 1917-18

Army Posts, Fort Sill and others, Quartermaster General, Correspondence, Charts,

Photographs, 1912-17

Blueprints, Tracings - Miscellaneous, 1908-27

Blueprints, Tracings - Miscellaneous

Box 2:

Consulting Services

Chicago Subway, blueprints, 1930

Chicago Subway, Correspondence, 1931-32

Chicago Subway, Correspondence relating to compensation for consulting service,
1930-32

Congress - Ventilation of U.S. House & Senate Chambers, 1927-29

Holland Tunnel, Report, 1920-21

Printed Reports relating to, 1920-37

Bound Reports, 1920-26

Computations

Photographs - TGI #3, 1921

Holland Tunnel, TGI #3, correspondence, 1920-21, 1921, 1921-22

Hudson Tunnel, Experimental Duct #3, 1921-24

Holland Tunnel, TGI #4, correspondence, 1921

TGI #4, correspondence & Blueprints, 1921-26

Box 3:

Consulting Services

Photographs, TGI #3, 1922

Tunnel Gas Investigation #5, Original MSS, 1923

Holland Tunnel, Correspondence relating to TGI #5

Report on ventilation tests for, Nov. 1921

Blueprints of ventilation test results

Goodenough's Notes, 1921-24
 Goodenough's Notes on Fluid Dynamics - Holland Tunnel, 1921-23
 Holland Tunnel, Correspondence, blueprints, reports, 1920-21
 Telegrams, 1920-22
 Duplicate Reports, 1921
 Time and Material, 1921-24
 Reports & Original test records; publications on Ventilation, 1922-25

Box 4:

Consulting Services

Holland Tunnel, Final Calculation Data - received from Mr. Freeman, 1/8/25
 Holland Tunnel, Photographs (2 folders), 1923-27, 1924-27
 Photographic Plates, 1924-25
 Clippings, 1921-28
 Contracts
 Correspondence relating to compensation for consulting services, 1921-27
 Correspondence and related reports, 1924-38
 Hudson Tunnel, Correspondence relating to providing consulting services in Midtown
 Hudson Tunnel, October 11, 1931
 Midtown Hudson Tunnel, Correspondence & Calculations, 1931-34
 Hudson Tunnel, Reports and blueprints on ventilating calculations for, November 30,
 1932
 Midtown Hudson Tunnel, Reports on Ventilation Calculations, 1932
 St. Louis Subway, blueprints, 1930-31
 St. Louis Subway, Ventilation and North American Light and Power Company,
 correspondence, 1931-32
 Heat, Emission, Human body, 1924-33
 Losses from buildings, 1933-34

Box 5:

Heat, Losses, Buildings and insulating material, 1907-32
 Transmission of Building Materials, 1912-32
 Losses, Insulation and Weather Stripping, 1923-24
 Measurement and Physical Units
 Transmission, 1914
 Transmission and Direct Radiators, 1909-31
 Transmission, correspondence, reports, reprints of published material, 1912-32
 Exhaust stream, Vacuum Return Pumps, 1907-30
 Heating, Central Station, 1907-30
 Commercial Preparation of Sodium Hypochlorite by the Electrolysis of Brine, 1904
 Draft and Chimneys, 1912-27
 Electric, 1907-28
 Fuel and Combustion, 1912-32
 Gravity Indirect, by steam and hot water, 1910-29

Box 6:

Heating, Hot Blast, 1913-33

Direct Hot Water, 1907-32
 Pipe fittings, Valves, coverings, 1907-33
 Radiant - Barker Proposals, 1931-32
 Seasonal Requirements, 1926-30
 Steam Boilers and Hot Water Heaters, 1910-29
 Direct Steam, 1907-27
 Test data, 1903-04
 Temperature and Humidity Control, 1926-33
 Utica Heater Company, 1920-22
 Ventilating, Air Conditioning - bibliographic materials, 1924-33
 Ventilating Codes (2 folders)
 Warm air furnace, 1907-29

Box 7:

Heating Catalogues, Warm Air Furnace, ca. 1928
 Water, Steam and Air, papers relating to, 1900-33
 Plans & Specifications, preparation of - Cost of Equipment, 1913-28

Professional Associations

American Society of Heating and Ventilating Engineers
 Air Changes, 1932-33
 Air Conditions and Living Comfort, 1931-32
 Air Conditions and their Relation to Health, 1930
 Armour Institute, Cooperative Agreement with, 1931-32
 Atmospheric Dust and Air Cleaning Devices 1933
 Boilers, rating heating, 1928-29
 Chimney sizes, 1926
 Cleveland Exhibit, 1931-32
 Code of minimum requirements, 1924-31
 Comfort Chart, Special Committee on the, 1932
 Corrosion, 1932-33
 Council of the ASHVE, meetings of the, 1928-29
 Finance Committee, 1932
 Garage Ventilation Project, 1931-33
 Garage Ventilation, 1927-28
 Gas Heating Equipment, 1932
 Guide Book, 1928-30
 Guide, ASHVE - Special Committee, Chapter 3, 1933
 Heat Capacity, 1931
 Heat Transmission, 1931-32
 Heater Code Committee, Unit, 1928-29
 Infiltration of air into buildings, 1925-27
 National Research Council, 1931-33
 Nomenclature, Committee on , 1933-34
 Oil Burners, Investigation of by Prof. Sealy of Yale, 1932

Box 8:

American Society of Heating and Ventilating Engineers

Program Committee, 1930
 Projects, New, 1932-34
 Pip Sizes, 1931-33
 Publication Committee, 1925-27
 Publication Committee, 1928-30
 Radiation, 1926-29
 Research Committee, 1926-30
 Regulations governing the Research Committee, 1932
 Research Committee, 1933-34
 Research laboratory Project at Pittsburgh, 1931-33
 Research Program at Case Institute, 1933
 Sound in Heating and Ventilating, 1931-32
 Temperature Gradients in Large Room, paper by G.L. Larson, 1933
 Special Test on Cooling conducted by J.U. Walker, 1931-32
 Technical Advisory Committees, Appointments to, 1932-33
 Thermal Research, Correlation of, 1932
 Ventilation of automatic substations, 1924-27
 Ventilation Code for legislative purposes, 1926-31
 Ventilation Code, 1931-34
 Wind and weather conditions, effect of, 1929
 National Research Council, Committee on Heat transmission, 1924-31
 Textbook, Harding-Willard, page proofs - Heating, Ventilating and Air Conditioning

Box 9:

Textbook, Harding-Willard, final proof with corrections for later printings, 1932
 Textbook, Harding-Willard, Heating, Ventilating and Air Conditioning, material for future revision.
 Ventilation, Air Analysis, Ventilation Law, 1919-33
 University, Underground Ventilation, 1925
 Summer cooling tests, 1930-33
 Laboratory Course at University of Illinois, M.E. 37, 1915
 Correspondence, Reprints and Related Papers, 1911-22
 MSS and reprints, 1919-33
 MSS articles on home heating for Ladies Home Journal and Successful Farming, 1929-30
 Scrapbooks, University, Newspaper and Magazine Clippings, 1914, 1925-30, 1934-36, 1938-39, 1943-46, 1949, 1951, 1954
 Scrapbooks, University, Building Program at the University of Illinois, 1934-42
 Legislative Budget, 1935-37 biennium
 Statistical Material, 1937
 Printed papers and addresses, 1915, 1925-26, 1930-32, 1934-38, 1941-46

Box 10:

University, Notes and MSS of addresses (11 folders), 1933-41

Box 11:

University, Notes and MSS of Addresses (4 folders), 1942-47

A.A. Harding, 1948
 Christmas Cards, 1940
 Enger folder, 1956

"University of Illinois Presidents I Have Known" by Albert R. Lee, 1942

Located in UAR 47-2

Oversized Miscellaneous Blueprints and Drawings (chronological)

Plumbing and heating plan for residence of J.R. Retsoff (5 tracings), 1907
 Heating and ventilating plan for a residence (9 blueprints), 1909
 Plan of executive offices, Washington, D.C. (3 blueprints), 1909
 Ventilating plan for Grace Memorial Church (1 blueprint), 1911
 Plan for Hospital at Fort Sill, Oklahoma (6 blueprints), 1911
 Plan for Walter Reed Army Hospital (8 blueprints), 1912
 Ventilating system for Woodward and Lathrop Cash Room, 1917
 Central heating system - Recruit Depot - Angel Island, California, 1912
 Heating system for Quartermaster Storehouse, Fort Banks, Mass., 1913
 Ventilation plan for lecture room in University of Illinois Chemistry Building, 1914
 Boiler House, Fort Monroe, Va., (3 blueprints), 1914
 High School building, Mattoon, Ill. (5 blueprints), 1915
 Specifications for Merchants Illinois National Bank, Peoria, 1915
 Plans for Lincoln School, Rockford, Ill. (12 blueprints), 1915
 Kitchen plan for Armory mess hall (1 blueprint, 1 drawing), 1918
 Heating and ventilation system for University of Illinois Education building, 1919
 Plans for grade and high school at Vermont, Ill. (1 blueprint), 1924
 Chart indicating operating results for University of Illinois research residence, 1925
 Heating and ventilating system of school at Wausau, Wis., 1928
 Ventilating diagrams of U.S. House of Representatives Chamber (3 diagrams), 1929

Undated blueprints and drawings

Tracing of coal and ash handling machinery
 Design of a tilting manometer
 Floor plan of Champaign High School
 Diagrams illustrating air flow through types of elbows in ventilating ducts (3)
 Duct system for University of Illinois Armory
 Plan for a model school building at Southern Illinois State Normal University, Carbondale, Illinois
 Plans for dining hall at Washington and Lee University, Lexington, Va. (3 blueprints)
 Plans for residence of Dr. L.T. Gregory, Urbana, Ill. (8 tracings)

Blueprints and Drawings by Subject

Holland Tunnel, approximately 40 blueprints and drawings
 Chicago Subway, approximately 100 blueprints and drawings
 St. Louis Subway, approximately 100 blueprints and drawings
 Loft office Building, St. Louis, MO

Box 12: Chicago Subway Ventilation, 1930-32

Slides - 23 Lantern slides on Ventilation studies showing equipment and results of tests made at Mechanical Engineering laboratory, 1930-32.
Chicago Subway Ventilation, No. 1, 1931
Draft for Report No. 1
Chicago Subway, 1930
Proposal, correspondence, blueprints and specifications
Experimental Tower, 1930-31
Requisitions, data, specifications, calculations and graphs
Chicago Subway, 1931
Blueprints, photographs and negatives of ventilation equipment (one glass plate)
Chicago Subway Ventilation - Test date, Jan. 13, 1931 - June 13, 1931
Report on certain tests on the performance of a ventilation tower unit for the Chicago Subway, February 13, 1931
Second report, Chicago Subway Ventilation, August 1, 1931

November 1, 1981. Under RBR Uncat. 82 7 the Rare Book Room held a testimonial of appreciation on Willard's retirement in 1946, from the Board of Trustees with hand-illumination by the Scriptorium, Chicago and a 1946 testimonial of appreciation on his retirement, from the Illini Union Board and a 1946 testimonial of appreciation on his retirement, from the faculties and staff of the Chicago Colleges of the University of Illinois. With hand-illumination by the Scriptorium, Chicago.

Box 13:

Materials from Estate of Betsy Ross, A. C. Willard's Niece
Genealogical Correspondence, Clippings and Records, 1903-47
Photographs of A. C. Willard and Ossian Ross
Correspondence of A. C. Willard with Betsy Ross and other family members, 1884-1959
Financial Records, Real Estate Deeds, and Bonds
A. C Willard Speeches (reprints)