2/9/20
President
Arthur C. Willard

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

The materials listed in this document are available for research at the University of Illinois Archives. For more information, email illarch@illinois.edu or search http://www.library.illinois.edu/archives/archon for the record series number.
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
Pipe 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, 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)