
Finding Aid to the Herbert Gaytes Papers

Finding aid written by Joanna M. Black

The Bancroft Library

The Bancroft Library

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Language of Material: English

Contributing Institution: The Bancroft Library

Title: Herbert Gaytes papers

creator: Gaytes, Herbert

Identifier/Call Number: BANC MSS 67/71 c

Physical Description: 24 linear feet (15 cartons; 1 box; 10 oversize boxes; 14 oversize folders)

Date (inclusive): 1838-1965

Date (bulk): 1890-1959

Physical Location: Many of The Bancroft Library collections are stored offsite and advance notice may be required for use. For current information on the location of these materials, please consult the library's online catalog.

Language of Materials: Collection materials are in English.

Abstract: Herbert Gaytes (1871-1959) was an engineer and amateur photographer whose engineering career in the western United States focused on projects around water rights and the selection, design, construction, and management of hydro-electric power plants, electric rail systems, steam power stations, and telephone lines.

Biographical Information

Herbert Gaytes (1871-1959) was an engineer and amateur photographer whose engineering career in the western United States focused on projects around water rights and the selection, design, construction, and management of hydro-electric power plants, electric rail systems, steam power stations, and telephone lines. In his personal life, Gaytes documented the world around him in a number of photographs, diaries, scrapbooks, and drawings. Gaytes was born in Cook, Illinois as the only child of Carol (sometimes written Carroll) Gaytes (1833-1883) and Theresa Herbert Gaytes (1852-1931). He attended the Chicago Manual Training School from 1896-1888, Beloit Academy in Beloit, Wisconsin from 1888-1889, and Beloit College from 1889-1893 where he received Bachelor of Science and Master of Science degrees. After traveling to London in 1894, Gaytes conducted post-graduate work in Electrical Engineering at the Armour Institute of Technology (now called the Illinois Institute of Technology) where he was also an instructor in Electrical Engineering from 1896-1897. Around the year 1897, Gaytes moved to Oakland, California where he became an engineer at numerous transit and power companies, including the Oakland Transit Company, the Boston-South Dakota Gold Mining Company, the Southern Pacific Company, and the Alaska Engineering Commission. In Oakland, he lived with his mother Theresa until her death in 1931, and the following year, married Mabel Bradley who he remained with until his death in 1959. Mabel died six years later in 1965. Much is recorded about the life of Gaytes and his family through his personal diaries and scrapbooks, which document his daily activities, diet, weather, and health, as well as visits from family and friends, vacations, and current events. Similarly, his professional notebooks record much of his business transactions, research and reference materials, and projects conducted during his career as an engineer. Although Oakland remained his permanent home, Gaytes' work brought him to locations all over the western United States, such as Alaska, Washington, and Oregon, among other locations.

Scope and Content

The Herbert Gaytes' Papers (1838-1965) document the life and career of Herbert Gaytes, an engineer (electrical) and amateur photographer. The collection highlights the day-to-day life of Herbert Gaytes and much of his family, as well as early 20th century water rights, hydro-electric projects, and railways in the western United States. The records in this collection are divided into three series. The first series, Personal and Family Material (1839-1965), includes: diaries and scrapbooks; correspondence and announcements; school essays and related documents; family genealogy; personal drawings; and other documents that examine Herbert Gaytes' education, early life, and lineage. The second series, Professional Material (1855-1954), encompasses Herbert Gaytes' career as an engineer in the western United States and includes: engineering notebooks; reports; measurements and data; blueprints and graphs; city, state, and regional maps; equipment specifications; professional correspondence; and annual corporation reports. Companies documented include the Oakland Transit Company, the Boston-South Dakota Gold Mining Company, the Southern Pacific Company, and the Alaskan Engineering Commission. The final series, Expense and Income Material (1880-1965), contains personal and professional financial information recorded by Herbert Gaytes, his mother Theresa Herbert Gaytes, and wife Mabel Bradley Gaytes, documenting both day-to-day expenses and annual income.

Preferred Citation

[Identification of item], Herbert Gaytes papers, BANC MSS 67/71 c, The Bancroft Library, University of California, Berkeley.

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Immediate Source of Acquisition

The Herbert Gaytes papers were purchased by The Bancroft Library from Holmes Book Co. in 1966.

Processing Information

Processed by Joanna M. Black in 2014.

Separated Materials

Photographs have been transferred to the Pictorial Collections of The Bancroft Library (BANC PIC 1966.003--PIC).

Subjects and Indexing Terms

Gaytes, Herbert--Archives

Electrical engineering--United States

Hydroelectric power plants--United States

Water rights--United States

Southern Pacific Company

Alaskan Engineering Commission

Armour Institute of Technology

Beloit College

carton 1-7,
carton 8,
folder 1-14,
oversize-box 1-8,
box 1,
folder Oversize
box 1A, 8B

Personal and Family Material 1838-1965

Arrangement

Arranged into three sub-series: Diaries and Scrapbooks; Correspondence; Various Personal and Family material.

Scope and Content

Contains personal materials of Herbert Gaytes and his family, father Carol Gaytes, mother Theresa Herbert Gaytes, and wife Mabel Bradley Gaytes. Includes personal diaries; incoming and outgoing correspondence; school papers, diplomas, and memorabilia; geneology information; business and calling cards; notebooks; and personal objects. Also includes two oversize folders containing various 19th Century newspapers and school-related material.

carton 1-3,
oversize-box 2-8,
box 1

Diaries and Scrapbooks 1867-1965

Arrangement

Arranged chronologically.

Scope and Content

Contains the personal diaries and scrapbooks of Herbert Gaytes, as well as a diary from Gaytes' wife, Mabel Bradley, who continued writing in Gaytes' diaries after his death in 1959.

carton 1, folder 1
carton 1, folder 2
carton 1, folder 3
carton 1, folder 4
carton 1, folder 5
carton 1, folder 6
carton 1, folder 7
carton 1, folder 8
carton 1, folder 9
carton 1, folder 10
carton 1, folder 11

Diaries, 1879 and 1880 1879-1880

Diaries, 1882 and 1883 1882-1883

Diaries, 1885 and 1886 1885-1886

Diaries, 1887, 1888, and 1889 1887-1889

Diaries, 1890, 1891, and 1892 1890-1892

Diaries, 1893 and 1894 1893-1894

Diaries, 1895, 1896, and 1897 1895-1897

Diaries, 1898 and 1899 1898-1899

Diaries, 1900, 1901, and 1902 1900-1902

Diaries, 1903, 1904, and 1905 1903-1905

Diaries, 1906, 1907, and 1908 1906-1908

carton 1, folder 12	Diaries, 1909, 1910, and 1911 1909-1911
carton 1, folder 13	Diaries, 1912, 1913, and 1914 1912-1914
carton 1, folder 14	Diaries, 1915, 1916, and 1917 1915-1917
carton 1, folder 15	Diaries, 1918 and 1919 1918-1919
carton 2, folder 1	Diaries, 1920, 1921, and 1922 1920-1922
carton 2, folder 2	Diaries, 1923, 1924, and 1925 1923-1925
carton 2, folder 3	Diaries, 1926, 1927, and 1928 1926-1928
carton 2, folder 4	Diaries, 1929, 1930, and 1931 1929-1931
carton 2, folder 5	Diaries, 1932, 1933, and 1934 1932-1934
carton 2, folder 6	Diary (of Mabel Bradley) 1932-1936
carton 2, folder 7	Diaries, 1935, 1936, and 1937 1935-1937
carton 2, folder 8	Diaries, 1938, 1939, and 1940 1938-1940
carton 2, folder 9	Diaries, 1941, 1942, and 1943 1941-1943
carton 2, folder 10	Diaries, 1944, 1945, and 1946 1944-1946
carton 2, folder 11	Diaries, 1947, 1948, and 1949 1947-1949
carton 2, folder 12	Diaries, 1950, 1951, and 1952 1950-1952
carton 3, folder 1	Diaries, 1953, 1954, and 1955 1953-1955
carton 3, folder 2	Diaries, 1956, 1957, and 1958 1956-1958
carton 3, folder 3	Diaries, 1959, 1960, and 1961 1959-1961
carton 3, folder 4	Diaries, 1962, 1963, and 1964 1962-1964
carton 3, folder 5	Diary, 1965 1965
oversize_box 7	Scrapbook, poetry clippings and notes approximately 1867
oversize_box 8	Scrapbook, clippings of obituaries and death announcements undated
box 1	Scrapbook, various clippings organized into 50 bound envelopes undated
oversize_box 3-6	Scrapbook, newspaper clippings from World War 1 approximately 1914
oversize_box 2	Scrapbook, newspaper clippings of poetry and other literature, Christianity, politics and news (includes clipping from the Great Chicago Fire in 1871), and health undated

carton 4-6,
carton 7,
folder 1-9,
oversize-box 1

Correspondence 1839-1962

Arrangement

The files are arranged in the original order received.

Scope and Content

Contains incoming and outgoing correspondence of Herbert Gaytes, mother Theresa Herbert Gaytes, wife Mabel Bradley Gaytes, as well as aunts, uncles, cousins, close friends, and other friends and family of Herbert Gaytes. Also contains commencement and wedding announcements.

carton 4, folder 1
carton 4, folder 2
carton 4,
folder 3-16
carton 4, folder 17
carton 4, folder 18
carton 4,
folder 19-27,
carton 5,
folder 1-31
carton 5, folder 32
carton 5, folder 33
carton 5, folder 34
carton 5, folder 35
carton 5, folder 36
carton 5, folder 37
carton 6,
folder 1-2
carton 6, folder 3

Gaytes, Carol 1877-1881

Gaytes, Theresa, early letters undated

Gaytes, Theresa H. 1873-1928

Wedding announcements (incoming) 1900-1924

Gaytes, Herbert, early letters to mother 1879-1886

Gaytes, Herbert, letters to mother 1883-1928

Herbert, Theresa 1872-1893

Gaytes, Herbert, letters to grandmother 1880-1888

Herbert, George 1874-1880

Gaytes, Herbert, letters to grandfather approximately 1879

Gaytes, Herbert, letters to father undated

Bradley, Mabel 1924-1931

Gaytes, Mabel Bradley 1932-1940

Aunts and uncles 1880-1916

carton 6, folder 4	Gaytes, Herbert, letters to cousins 1884-1911
carton 6, folder 5-6	Cousins 1880-1942
carton 6, folder 7	Huntington, Ellsworth 1897-1933
carton 6, folder 8-10	Friends and classmates 1880-1922
carton 6, folder 11	Gaytes, Theresa H., incoming letters 1861-1898
carton 6, folder 12-13	Family, letters to Theresa H. Gaytes 1865-1946
carton 6, folder 14	Huntington, Ellsworth, letters to Theresa H. Gaytes from nephew 1895-1924
carton 6, folder 15	Gaytes, Theresa H., will and related material 1901-1932
carton 6, folder 16	Gaytes, Herbert and Mabel, incoming mail from relatives to 1932-1957
carton 6, folder 17-20	Gaytes, Mabel Bradley, incoming letters 1871-1964
carton 7, folder 1	Gaytes, Carol, letters from parents 1864-1876
carton 7, folder 2	Gaytes, Carol 1864-1882
carton 7, folder 3	Herbert, Charlotte 1867-1877
carton 7, folder 4	Bradley, Cornelia 1839-1887
carton 7, folder 5	Correspondence regarding commencement announcements, Beloit 1893
carton 7, folder 6	Gaytes, Herbert, incoming letters regarding death of his mother 1931-1932
carton 7, folder 7-8	General family correspondence 1866-1955
carton 7, folder 9	General correspondence 1861-1962
oversize_box 1	Letter copying books (2) 1890-1915

carton 7,
folder 10-19,
carton 8,
folder 1-14,
folder Oversize
folder 1A, 8B

Other Personal and Family Material 1838-1959

Arrangement

The files are arranged in the original order received.

Scope and Content

Contains various personal and family materials related to Herbert Gaytes, father Carol Gaytes, mother Theresa Herbert Gaytes, and wife Mabel Bradley Gaytes, including: school papers and memorabilia; drawings; autograph and note books; personal objects; business and calling cards; and newspaper clippings.

carton 7,
folder 10-12
carton 7, folder 13
carton 7, folder 14
carton 7, folder 15
carton 7, folder 16
carton 7, folder 17
carton 7, folder 18
carton 7, folder 19
carton 8, folder 1
carton 8, folder 2
carton 8, folder 3
carton 8, folder 4
carton 8, folder 5
carton 8, folder 6
carton 8, folder 7
carton 8, folder 8
carton 8, folder 9
carton 8, folder 10
carton 8, folder 11
carton 8, folder 12
carton 8, folder 13
carton 8, folder 14

General papers and writings 1838-1959

Newspaper clippings undated

School essays (mostly technical) 1888-1892

Examination papers, Chicago Manual Training School 1886-1887

Genealogical information 1874-1930

Purchase of cemetery plot 1882-1898

Greeting cards, invitations, and announcements 1883-1892

Mary Smith's material (mother of Mabel Bradley Gaytes) 1862-1879

Drawings by Herbert Gaytes 1883-1892

Bradley family 1841-1900

Inventory of library approximately 1883-1884

Yearbook from Armour Institute of Technology 1898-1899

Autograph book of Carol Gates (Gaytes) 1856

Autograph book of Herbert Gaytes 1883-1885

Song book of Psi Upsilon Fraternity, Gamma Chapter, Amherst College 1857

Book of quotations undated

Book of notes undated

Book with long poem likely written by Theresa Gaytes undated

Private diary of Theresa A. Herbert (Theresa H. Gaytes) 1865-1866

Personal wallets of Carol Gaytes (Carroll) approximately 1864-1867

Childhood items of Herbert Gaytes approximately 1882

Business and calling cards undated

<p>folder Oversize folder 1A folder Oversize folder 8B</p>	<p>Diplomas; fuse curve graphs; house plan approximately 1895</p>
<p>carton 8, folder 15-20, carton 9-14, carton 15, folder 1-6, oversize-box 9-10</p>	<p>Newspapers: The Advance, 1882; Chicago Times, 1870, 1890; Chicago Sunday Tribune, 1898; Chicago Daily, Press and Tribune, 1858; New York Herald, 1894 1858-1898</p> <p>Professional Material 1855-1954</p> <p>Arrangement</p> <p>Arranged into five sub-series: General Reference Material; Annual Corporation Reports; Project Files; Other Project and Reference Material; and Engineering Notebooks.</p> <p>Scope and Content</p> <p>Contains material related to Gaytes' career as an engineer, with an emphasis on his work as an electrical engineer. Material consists of project reports; graphs; blueprints; maps; cost evaluations; measurements and data; field notebooks; professional correspondence; research and reference documents; bulletins; newspaper clippings; and tax information. Content encompasses Gaytes' work during the early 20th century in hydroelectric power plants and water rights projects in the western United States, Oakland and Bay Area electric rail systems, and the Alaska Engineering Commission. Includes oversize folders containing maps and blueprints.</p>
<hr/>	
<p>carton 8, folder 15-20, carton 9-10, carton 11, folder 1-6</p>	<p>General Reference and Research 1894-1953</p> <p>Arrangement</p> <p>Arranged alphabetically by folder title.</p> <p>Scope and Content</p> <p>Contains engineering reference and research materials mainly documenting water rights projects, as well as numerous reference maps of the western United States. The bulk of this sub-series includes: field books; weekly reports; measurements and other data; and equipment specifications related primarily to the Fort Stanton Water Rights Project and others. Maps range from road, city, county, state and regional guides, to geological, railroad, and forest maps.</p>
<p>carton 8, folder 15 carton 8, folder 16 carton 8, folder 17</p>	<p>The Cherry Circle periodical 1923</p> <p>Fort Stanton, contour map of land under ditches 1915</p> <p>Fort Stanton, list of army officers who have served at Fort Stanton and correspondence with them 1914-1915</p>
<p>carton 8, folder 18</p>	<p>Fort Stanton, list of possible witnesses other than army officers who are familiar with conditions at Fort Stanton and statement of interviews or correspondence with them 1913-1915</p>
<p>carton 8, folder 19</p>	<p>Fort Stanton Water Rights, daily weir observations and discharge of ditches diverting from Rio Bonito 1913</p>
<p>carton 8, folder 20</p>	<p>Fort Stanton Water Rights, daily weir observations and discharge of ditches diverting from Rio Hondo 1913</p>
<p>carton 9, folder 1</p>	<p>Fort Stanton Water Rights, daily weir observations and discharge of Rio Bonito 1913-1914</p>
<p>carton 9, folder 2</p>	<p>Fort Stanton Water Rights, daily weir observations and discharge of Rio Hondo, Eagle Creek, and Ruidoso River near Fort Stanton Sanatorium 1913</p>
<p>carton 9, folder 3</p>	<p>Fort Stanton Water Rights field books 1, 3 (United States Public Health Service) 1914</p>
<p>carton 9, folder 4</p>	<p>Fort Stanton Water Rights field books 4, 7 (United States Public Health Service) 1914</p>
<p>carton 9, folder 5</p>	<p>Fort Stanton Water Rights field books 8, 9 (United States Public Health Service) 1914</p>
<p>carton 9, folder 6</p>	<p>Fort Stanton Water Rights, hydrographic data of Rio Bonito 1913-1915</p>
<p>carton 9, folder 7</p>	<p>Fort Stanton Water Rights, measurements and data documents 1914</p>
<p>carton 9, folder 8</p>	<p>Fort Stanton Water Rights, notes of a stadia survey by R.B. Nichols, books no. 61 and 62 (United States Public Health Service) 1914-1915</p>

carton 9, folder 9	Fort Stanton Water Rights, original tables approximately 1913
carton 9, folder 10-11	Fort Stanton Water Rights, report by Charles H. Lee (United States Public Health Service) 1916
carton 9, folder 12	Fort Stanton Water Rights, reports, data, recordings, and other materials 1914-1915
carton 9, folder 13	Fort Stanton Water Rights, weekly reports of R.B. Nichols 1914-1915
carton 9, folder 14	Fort Stanton Water Rights, weekly reports (United States Public Health Service) 1914-1915
carton 9, folder 15	Fruitvale Power Station, report of evaporative tests 1911
carton 9, folder 16	Fruitvale Power Station, specifications for equipment 1907-1909
carton 9, folder 17	Georgetown, California, book of surveys and levels in account with El Dorado Copper Mining Company 1904
carton 9, folder 18	Maps, Alaska, United States Geological Survey Bulletins 1911-1915
carton 9, folder 19	Maps, cities 1935-1953
carton 10, folder 1	Maps, diagrams, and specifications for equipment 1907-1912
carton 10, folder 2-6	Maps, general 1910-1953
carton 10, folder 7	Maps, geological sections undated
carton 10, folder 8	Maps, Glacier Park, Jasper Park, Banff Park, and Columbia Big Bend Highway 1930-1941
carton 10, folder 9	Maps, National Forests, Plumas and Lassen 1916
carton 10, folder 10	Maps, Navajo Country, Utah, Arizona, Colorado 1915-1923
carton 10, folder 11	Maps, New York City, railroad lines and highways to the 1939 Exposition undated
carton 10, folder 12	Maps, Oregon counties undated
carton 10, folder 13	Maps, physical divisions of the United States undated
carton 10, folder 14-15	Maps, road 1918-1952
carton 10, folder 16	Maps, Utah 1918
carton 10, folder 17	Maps, western half of the United States undated
carton 10, folder 18	Mariposa County, California, hydro-electric plant field book 1917
carton 10, folder 19	Resort directions, touring information, and location guides 1931-1936
carton 11, folder 1-2	San Diego, California, well records books 1914
carton 11, folder 3	Sierra and San Francisco Power Company, notebooks of valuation by C.J. Rhodin 1916-1917
carton 11, folder 4	St. Paul, Minnesota, Engineer District report on frontier 1919-1920
carton 11, folder 5	Travel, maps, and park information 1894-1936
carton 11, folder 6	Water Acts, regulations, applications undated

carton 11,
folder 7-21

Annual Corporation Reports 1855-1947

Arrangement

Arranged alphabetically by folder title.

Scope and Content

Contains annual reports from various major power companies, communicating business and other activities to stakeholders and the general public.

carton 11, folder 7
carton 11, folder 8
carton 11, folder 9

American Steel Foundries annual reports 1929-1934

F.E. Booth Company, Inc. annual reports 1943-1947

Galena and Chicago Union Railroad Company annual report 1855

carton 11, folder 10	General American Transportation Corporation and Subsidiaries consolidated financial reports 1935-1942
carton 11, folder 11	Northern Pacific Railway Company annual reports 1937-1943
carton 11, folder 12-13	Pacific Gas and Electric Company annual reports 1915-1944
carton 11, folder 14	Pacific Lighting Company annual reports 1939-1944
carton 11, folder 15	Pacific Oil Company annual reports 1925-1929
carton 11, folder 16	The Pennsylvania Railroad Company annual reports 1939-1940
carton 11, folder 17	The Pure Oil Company annual reports 1922-1934
carton 11, folder 18	Southern Pacific Company by-laws approximately 1904
carton 11, folder 19	Standard Oil Company annual reports 1944-1946
carton 11, folder 20	Tidewater Associated Oil Company annual reports 1926-1936
carton 11, folder 21	Union Pacific Railway Company annual reports 1939-1942

carton 11, folder 22-24, carton 12, carton 13, folder 1-3	<p>Numbered Project Files 1898-1913</p> <p>Arrangement</p> <p>The files are arranged in the original order received and are consecutively numbered by the record creator.</p> <p>Scope and Content</p> <p>Contains files documenting various power projects that Gaytes' was involved with during his career as an engineer. Materials include: blueprints, graphs, maps, and equipment specifications; data and measurements; proposals; reports; data logs; and similar material.</p>
carton 11, folder 22	Rubicon Water and Power Company, reports by Herbert Gaytes ("file 1") 1910
carton 11, folder 23	Rubicon Water and Power Company, Rubicon River map ("file 2") approximately 1906
carton 11, folder 24	Rubicon Water and Power Company, cost and construction documents, other data ("file 3") 1908-1910
carton 12, folder 1	Clackamas River Power Project, data and reports ("file 4") 1908-1910
carton 12, folder 2-3	Clackamas River Power Project, maps and blueprints ("file 5") approximately 1911
carton 12, folder 4	Clackamas River Power Project, Three Link Creek Development, data and reports ("file 6") 1910
carton 12, folder 5	Klamath Power Project, data and reports ("file 8") 1908-1911
carton 12, folder 6	Map of definite location of the Maxima Canal and Power House site, Klamath Power Project ("file 9") undated
carton 12, folder 7	Various proposed water power project documents ("file 11") 1906-1909
carton 12, folder 8	Various proposed water power project documents ("file 12") 1906-1913
carton 12, folder 9	McCloud River Water Power and Tuolumne River Power Company's projects, reports and proposals ("file 13") 1904-1909
carton 12, folder 10	Big Creek Power Project, San Joaquin River, graphs and notes ("file 14") 1907-1909
carton 12, folder 11	Eagle Creek, Tanner Creek, and Wahtum Lake Water Rights, maps and reports ("file 15") 1909
carton 12, folder 12	Klamath River, Bluff Creek, Trinity River, New River, Cowlitz River, Feather River power projects ("file 16") 1904-1908

carton 12, folder 13	Siskiyou Electric Power Company, Sierra Blue Lakes Water and Power Company, United Water and Power Company reports, costs, maps, specifications ("file 17") 1906-1913
carton 12, folder 14	Cascade Power Company, Bay Cities Water Company, Sur River Electric Company, and other water projects ("file 18") 1902-1912
carton 12, folder 15	Oakland Transit Company projects, reports and specifications ("file 19") 1898-1899
carton 12, folder 16	Visalia Electric Railroad test report, and letter requesting reprint of Gaytes' description of the plant of the North Mountain Power Company ("file 20") 1908-1910
carton 12, folder 17	Loon Lake Water and Power Company, notice of water appropriation, Little S. Fork Rubicon River and list of project reports ("file 901") 1908-1911
carton 12, folder 18	An act to incorporate the Southern Pacific Company ("file 902") undated
carton 12, folder 19	Rubicon Water and Power Company, graphs and documents on steam flow, reservoir contents, monthly discharge ("file 1001") 1909-1913
carton 12, folder 20	Rubicon Water and Power Company, precipitation records ("file 1003") 1910-1911
carton 12, folder 21	Clackamas River Power Project, Oak Grove Creek stream flow and rating curve charts, monthly discharge documents ("file 1004") 1909-1911
carton 12, folder 22	Klamath River water flow charts and statement reports ("file 1005") approximately 1908
carton 12, folder 23	Weir discharge graphs for Merced Dam, Yakima River, Colorado River, and La Grange Dam ("file 1006") approximately 1911
carton 12, folder 24	Water rights, rules, and regulations documents ("file 1007") approximately 1909-1911
carton 12, folder 25	Agreement between forest service and various power projects to work in National Forests ("file 1008") 1906-1911
carton 12, folder 26	Clackamas River Power Project, Grand Canal Reservoir graphs and blueprints ("file 1101") approximately 1910-1911
carton 12, folder 27	Rubicon Water and Power Company, graphs and blueprints for dams ("file 1102") approximately 1908-1910
carton 12, folder 28	Rock Fill Dam blueprints and specifications ("file 1103") approximately 1910
carton 12, folder 29	Clackamas River Power Project, graphs, blueprints, specifications of conduit lines ("file 1201") approximately 1910-1911
carton 12, folder 30	Klamath River Power Project, blueprints and specifications ("file 1202") approximately 1910-1911
carton 12, folder 31	Rubicon Water and Power Project, blueprints and specifications for conduit lines ("file 1203") approximately 1910
carton 12, folder 32	Water flow and grade reports ("file 1204") 1910-1911
carton 12, folder 33	Diagram for air nozzle for pumping water ("file 1303") approximately 1912
carton 12, folder 34	Construction costs for hydroelectric plants ("1901") 1910
carton 12, folder 35	Results of evaporation tests on boiler ("file 2002") 1911
carton 12, folder 36	Station construction diagrams and costs ("file 2902") 1911
carton 12, folder 37	Tractive force of locomotive, graphs and statistics ("file 3001") 1909
carton 12, folder 38	Classification of material (rocks, gravel) ("file 3501") approximately 1910
carton 13, folder 1	Rates of Pay, other costs of electric stations ("file 3802") 1912-1913
carton 13, folder 2	Utah Light and Railway Company, construction of power station ("file 9001") 1912
carton 13, folder 3	Various blueprints and notes ("file 9902") approximately 1910-1912

carton 13,
folder 4-29,
carton 14,
folder 1-17,
folder Oversize
folder 2B, 3C, 5C,
6C, 7C, 9B, 10B,
11B, 12A, 13A,
and 14A

Other Project and Reference Material 1897-1954

Arrangement

Arranged alphabetically by folder title.

Scope and Content

Contains professional material which was not assigned an original file number by the creator. Encompasses Gaytes' work with the Alaskan Engineering Commission, Grand View Gold Mining Company, and Oakland Transit Company, and includes: blueprints and equipment specifications; business correspondence; reports; maps; tax receipts; test statistics; and newspaper clippings. Also included are eleven oversize folders containing city, state, and regional maps, mostly of the western United States, as well as building and equipment blueprints.

carton 13, folder 4
carton 13, folder 5
carton 13, folder 6
carton 13, folder 7
carton 13, folder 8
carton 13, folder 9

Alaskan Engineering Commission, blueprints approximately 1916

Alaskan Engineering Commission, circulars 1916

Alaskan Engineering Commission, correspondence 1916-1919

Alaskan Engineering Commission, data and reports 1916-1917

Alaskan Engineering Commission, specifications and circuits 1917

Alaskan Engineering Commission, vouchers for expenses for Herbert Gaytes 1917-1918

Blueprints of electrical facilities and Black Oak Mine approximately 1900

folder Oversize
folder 2B

Bureau of Mines report of investigations, 22nd semiannual motor gasoline survey approximately 1930-1931

Blueprints of a house undated

carton 13,
folder 10
folder Oversize
folder 12A

Building plans 1914-1915

folder Oversize
folder 3C

Bureau of Mines report on gas pipelines approximately 1930

carton 13,
folder 11

Business diary 1898

carton 13,
folder 12

Business, professional, financial, and legal correspondence 1898-1954

carton 13,
folder 13-14

Clippings from engineering and electrical journals approximately 1917

carton 13,
folder 15

Colorado River Report, graphs and maps, clippings included 1925

carton 13,
folder 16

General documents and materials for projects 1907-1912

carton 13,
folder 17

General Electric Works bulletins 1927-1931

carton 13,
folder 18

Generators, Westinghouse Electric and Manufacturing Company, specifications and equipment information 1907

carton 13,
folder 19

Grand View Gold Mining Company, by-laws, transfer of stock, and related material 1900-1921

carton 13,
folder 20

Grand View Gold Mining Company, correspondence 1916-1946

carton 13,
folder 21-23

Grand View Gold Mining Company, other materials 1914-1934

carton 13,
folder 24

Grand View Gold Mining Company, tax receipts 1914-1951

carton 13,
folder 25

Graphs of energy generated by California power companies 1918-1920

carton 13,
folder 26

Illinois and Smith Rivers, investigation for the California and Oregon Coast Railway Company report 1913-1916

carton 13,
folder 27

Invention of Herbert Gaytes, ice cutter 1917-1918

carton 13,
folder 28

carton 13, folder 29	Invention of Herbert Gaytes, valve controlling mechanism 1914
carton 14, folder 1 carton 14, folder 2	Newspaper clippings related to Gaytes' professional projects 1922-1929 Newspaper clippings, chiefly in connection with Oakland Transit Company 1897-1900
carton 14, folder 3 carton 14, folder 4 folder Oversize folder 11B	Oakland Transit Company, Alameda-Oakland Subway Committee 1911 Oakland Transit Company, data on trains 1907-1909 Oakland Transit Company, car test graphs undated
carton 14, folder 5 carton 14, folder 6 carton 14, folder 7 carton 14, folder 8 folder Oversize folder 4C	Oakland Transit Company, reports made as engineer 1899-1900 Pelton Water Wheel Company, specifications and equipment information 1910 Power Administration data 1913-1921 Roosevelt Irrigation District, papers and correspondence of A.E. Lee 1948 Power plant plans approximately 1900
carton 14, folder 9-10	"Scrap paper", measurements, data, notes approximately 1929
carton 14, folder 11	Statements of experience, Herbert Gaytes undated
carton 14, folder 12	Telephone directory, Anchorage, Alaska 1917-1918
carton 14, folder 13	Truckee River Power Company 1928
carton 14, folder 14	Turbines and impulse wheels, Allis-Chalmers Company, specifications and blueprints 1906-1907
carton 14, folder 15	Turbines, specifications 1906
carton 14, folder 16	Turkey Hill mine, specifications, equipment, and other documents 1900
folder Oversize folder 5C	Various maps and equipment blueprints; includes Rubicon River, McCloud River Power Project, Fort Stanton approximately 1906-1915
carton 14, folder 17	Various data on California power companies 1918-1919
folder Oversize folder 13A	Various maps, California topography approximately 1899-1905
folder Oversize folder 6C	Various maps, county and regional; includes western United States 1907-1918
folder Oversize folder 14A	Various maps, Oregon land classification approximately 1901
folder Oversize folder 9B	Various maps, regional; includes western and south western United States approximately 1906-1908
folder Oversize folder 7C	Various maps, state and regional; includes western United States and New Hampshire approximately 1898, undated
folder Oversize folder 10B	Various maps, state, regional, city; includes Rio Bonito, western United States and Wisconsin 1892-1921
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carton 14, folder 18-23, carton 15, folder 1-6, oversize-box 9-10	Engineering Notebooks 1895-1918 Arrangement Arranged chronologically. Scope and Content Consists of Gaytes' engineering notebooks from the early half of his career as an engineer. Content includes: lecture notes; equipment specifications; diagrams and graphs; cost summaries and statistics; contracts; and data related to power plants and other engineering projects.
carton 14, folder 18	Engineering notebook, Armour Institute of Technology (includes graphs) 1895

carton 14, folder 19	Engineering notebook, Armour Institute of Technology (includes graphs and tables) approximately 1895
carton 14, folder 20	Engineering notebook, Armour Institute of Technology bulletins, strength of materials (laboratory notes) approximately 1896
carton 14, folder 21	Engineering notebook, dynamo characteristics, dynamo data, integrating meters, transformers (contains graphs) approximately 1896
carton 14, folder 22	Engineering notebook, galvanometers, galvanometer suspensions ("from thesis by Clarence Everett Freeman, June 1897, Armour Institute of Technology" 1897
carton 14, folder 23	Engineering notebook, phtometry, calibration of instruments, various blueprints, impedance factors, various tables, Oakland Transit Company data approximately 1897
carton 15, folder 1	Engineering notebook, lecture notes approximately 1897
carton 15, folder 2	Engineering notebook, diagrams approximately 1897
carton 15, folder 3	Engineering notebook, power plants, overhead, bar tests, controllers, track, steel rails (includes blueprints and graphs) approximately 1898
carton 15, folder 4	Engineering notebook, specifications, contracts, digest of proposals and bids approximately 1898
carton 15, folder 5	Engineering notebook, with cost summaries and statistics (also contains notes by Mabel Gaytes) approximately 1899, undated
carton 15, folder 6	Engineering notebook, data (arranged alphabetically 1905-1908
oversize-box 9	Engineering notebooks (2) approximately 1907-1911, undated
oversize-box 10	Engineering notebook, hydro-electric developments with maps 1918
carton 15, folder 7-19	Expense and Income Material 1880-1965 Arrangement Arranged alphabetically by folder title. Scope and Content Contains notebooks detailing personal and business expenses, income, and accounts of Herbert Gaytes, his mother Theresa Herbert Gaytes, and wife Mabel Bradley Gaytes. Also included are receipts related to Herbert Gaytes' photography.
carton 15, folder 7	Camp expenses for trips 1934, undated
carton 15, folder 8	Daily expenses, diary of Herbert Gaytes 1884
carton 15, folder 9	Expense books, Bank of Alaska account book 1902-1931
carton 15, folder 10-11	Expense books, Herbert Gaytes 1886-1953
carton 15, folder 12-13	Expense books, Herbert and Mabel Gaytes approximately 1943-1965
carton 15, folder 14-15	Expense books, Theresa Herbert Gaytes 1884-1902
carton 15, folder 16	Income and account listings, Herbert Gaytes 1898-1920
carton 15, folder 17-18	Income listing, professional notes, and receipts, Herbert Gaytes 1916-1939
carton 15, folder 19	Receipts, primarily for photograph and engineering supplies 1889-1898