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## **Carl J. Rhodin papers**

Finding aid prepared by Water Resources Collections and Archives staff.

Special Collections & University Archives

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## **Descriptive Summary**

**Title:** Carl J. Rhodin papers

**Date (inclusive):** circa 1900-1930

**Collection Number:** WRCA 087

**Creator:** Rhodin, Carl J. (Carl Jonas), 1877-1932

**Extent:** 2.92 linear feet(7 boxes)

**Repository:** Rivera Library. Special Collections Department.  
Riverside, CA 92517-5900

**Abstract:** The collection consists of reports and papers on hydraulic power systems, hydroelectric developments in California and the West, land reclamation and valuation.

**Languages:** The collection is in English.

### **Access**

The collection is open for research.

### **Publication Rights**

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### **Preferred Citation**

[identification of item], [date if possible]. Carl J. Rhodin papers (WRCA 087). Water Resources Collections and Archives. Special Collections & University Archives, University of California, Riverside.

### **Acquisition Information**

Provenance unknown.

### **Processing History**

Processed by Water Resources Collections and Archives staff, 1999.

### **Collection Number**

Collection number updated February 2019. Legacy collection number was MS 79/2. This change was part of a project in 2018/2019 to update the collection numbers for collections in the Water Resources Collections and Archives.

### **Biographical Note**

Carl Jonas Rhodin was born on May 11, 1877 in Kongelf, Sweden, the son of Carl Joseph Theodor and Caroline Gustava Nathalia (Trahn) Rhodin. He attended schools in England and at Gothenburg, Sweden, where he entered the university. He completed his training in civil and electrical engineering at the Royal Technical University in Stockholm, from which he was graduated in 1900. After some experience in harbor construction work, he came to the United States in 1902, and during the next two years was employed as construction engineer on the Thebes Bridge across the Mississippi River. Thereafter he practiced almost continuously as a construction engineer, principally in California and other Pacific coast states.

Among the more important of Rhodin's works, which he either planned, constructed or supervised, were the extensions and additions to the De Sabla Hydraulic Power System for the California Gas and Electric Co. (1906), hydraulic improvements in Sacramento (1907-1908), and the design and construction of several of the largest buildings in San Francisco. After 1908 he devoted particular attention to investigations of hydroelectric developments, land reclamation, valuation and rate fixing, and projected railway extensions. Among the corporations retaining his services in such capacities were the Southern Pacific Railroad Co., Great Western Power Co., Pacific Gas and Electric Co., and others in Japan and China.

For many years Rhodin was chairman of the section on city planning of the Commonwealth Club of San Francisco. He was a member of the American Society of Civil Engineers, Society of Swedish Engineers and Engineers Club of San Francisco. He was an ardent yachtsman and wrote a number of articles for magazines devoted to the sport. His most valuable contribution was in the development of standards of performance and methods for handicap racing, which he calculated scientifically. Owing to his expert knowledge of the subject, he was selected as one of the judges of the international races during the Panama-Pacific International Exposition. He was married April 22, 1908, to Grace Margaret Cook, daughter of Alexander Cook, of San Francisco, and had a son, Carl William Rhodin.

Carl J. Rhodin died May 2, 1932 in Oakland, California.

From *National Cyclopedia of Biography*, Vol. 24, p. 336-337.

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**Collection Scope and Contents**

The collection consists of reports and papers on hydraulic power systems, hydroelectric developments in California and the West, land reclamation and valuation.

**Collection Arrangement**

The collection is arranged into 6 series, organized topically.

**Indexing Terms**

The following terms have been used to index the description of this collection in the library's online public access catalog.

**Subjects**

Chewacan Ranch Project (Or.)  
Excelsior Water and Mining Company  
General Electric Power Company of California  
Great Western Power Company  
Marin Municipal Water District (Calif.)  
Marin Water and Power Company  
Northern California Power Company  
Pacific Gas and Electric Company  
San Joaquin Light and Power Corporation  
Southern California Edison Company  
Spring Valley Water Company (San Francisco, Calif.)  
Western Canada Power Company  
Hydraulic machinery  
Hydroelectric power plants -- California  
Reclamation of land -- California  
Water-power -- California  
Wolverton Dam (Calif.)

**Genres and Forms of Materials**

Papers (documents)  
Reports

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**Series 1. Agencies and Projects - California 1907-1930**

Box 1,  
Folder 1:A,B

**Brandy City Mining Company, San Francisco - folder containing correspondence, proclamations announcing the diversion of water, and blueprints, all pertaining to the Yuba and Sierra Power Project and the development of power for Brandy City and the Mining Company in Sierra County**

**Physical Description:** 10 items (in 2 folders)

Box 1, Folder 2

**Memoranda: proposed development plan of the *Chucawalla Development Co.* - report by Koebig and Koebig, Cons. Eng., Los Angeles, Cal., dated April 13, 1911 September 16, 1911**

**Scope and Contents**

Typewritten.

Box 1, Folder 3

**Excelsior Water and Mining Company - folder containing correspondence with officers of the company and J.G. White Engineering Corporation and a newspaper clipping, all concerning the development of water and power in the Nevada and Yuba Counties by the company 1921-22**

**Physical Description:** 20 items

- Box 1, Folder 4      **General Electric Power Company of California - folder containing proposals, calculations and notes on the development of power along the Mokelumne River in Amador and Calaveras Counties, and a pamphlet about water and power development along the river 1911**  
Physical Description: 6 items
- Box 1, Folder 5      **Great Western Power Company, San Francisco. Valuation Department. Trend of construction labor costs of the distribution system, San Francisco District, inclusive. San Francisco: The Company, period 1914-1924 1925**  
Physical Description: 50 l.: tables, diagrams  
Scope and Contents  
Typewritten.
- Box 1, Folder 6      **Great Western Power Company - folder containing documents and correspondence pertaining to the California Railroad Commission's investigation into the price of fuel oil and its relation to the company's rates to its consumers 1925**  
Physical Description: 19 items
- Box 1, Folder 7      **Great Western Power Company - folder containing stock promotion brochure and organization chart 1924 1922**  
Physical Description: 2 items
- Box 1, Folder 8      **Great Western Power Company, Pacific Gas and Electric Company, et al - envelope containing documentation (i.e., map, cost appraisals, statements, testimony, memoranda, etc.) on consolidation of territories 1928-30**  
Physical Description: 19 items. (in 2 folders)  
Scope and Contents  
On envelope: Water Rights - Consolidation Case.
- Box 1, Folder 9      **Moulton, J. S. Historical study of the effect of the severance of the electric properties and business in the City of San Francisco on the earnings and expenses of the Great Western Power Company of California for any year 1920 to 1925 inclusive. San Francisco, April 1926**  
Physical Description: 146 l  
Scope and Contents  
Typewritten.
- Box 1, Folder 10      **Putting power behind your savings. San Francisco: Great Western Power Company, 192-?**  
Scope and Contents  
Brochure.
- Box 1, Folder 11      **Commentaries on functional organization. San Francisco: Great Western Power Company, 1928**  
Physical Description: 27 l  
Scope and Contents  
Typewritten.  
With correspondence laid in.

- Box 1, Folder 12      **Hetch Hetchy Water Supply Project, Tuolumne County 1923 1920-1924**  
**Physical Description:** 4 items  
**Scope and Contents**  
On folder: Severance.  
Folder containing March 19, 1920 issue of The Banner (Sonora) (Hetch Hetchy Water Supply edition), Transactions of the Commonwealth Club of California XVIII:7 Hetch Hetchy Power, program for inspection trip of Hetch Hetchy Aqueduct, and promotional leaf for the project
- Box 1, Folder 13      **Klamath River Plant completed by the California Oregon Power Company. In: Journal of electricity 55:10 p. 364-371 1925**  
**Scope and Contents**  
Removed from journal.
- Box 1, Folder 14      **Los Angeles Chamber of Commerce. Industrial Department. Special report to O.C. Struthers, Pacific Coast manager, Raymond Concrete Pile Co., Washington Building, Los Angeles, California. Los Angeles: Chamber of Commerce, 1930**  
**Physical Description:** 1 v. (unpaged)  
**Scope and Contents**  
Contains information about industrial progress, chartered growth, transportation and markets, fuel, power and water, labor, climate, etc. for Los Angeles City and County.
- Box 1, Folder 15      **Seal Beach Station of the Los Angeles Gas and Electric Corporation. Los Angeles, 19--?**  
**Scope and Contents**  
Brochure.
- Box 1, Folder 16      **J.G. Rollow and D.L. Galusha. Seal Beach plant operating: new steam station of Los Angeles Gas and Electric Corporationlates fuel-fired plant in California - designed for oil and gas burning - initial installation consists of 35,000 - kw. unit. Reprint from Electrical world, May 30, 1925**  
**Scope and Contents**  
Reprint published by Dwight P. Robinson and Company, Inc., Engineers and Constructors. Investment promotion for Dwight P. Robinson and Company laid in.
- Box 2, Folder 17      **Testimony before the Railroad Commission of the State of California in the matter of the petition of the Marin Municipal Water District, for an ascertainment by the Railroad Commission... of the value of the property of the Marin Water and Power Company:reporter's transcript. San Francisco: The Commission, August 27-28, September 4, 1914**  
**Physical Description:** 2 v. (in envelope)
- Box 2, Folder 18A      **Marin Water and Power Company - folder containing: Valuation of physical properties and water rights... 1913 and 1914 (J.G. White Co.); Valuation of Marin Water and Power Company - historical review, Report of the Board of Directors of the Marin Municipal Water District, Report to the Board on choice of most advisable system of water supply, Marin Water and Power valuation; all concerned with Marin Water rights and valuation 1914; 1915; 1913; 1913-15**  
**Physical Description:** 6 items. (in 6 folders)
- Box 2, Folder 18B      **Marin Water and Power Company - folder containing various reports, testimony, graphs, diagrams, rainfall comparisons, notes, calculations, etc. pertaining to Marin Water rights and valuation**  
**Physical Description:** 31 items
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- Box 2, Folder 19      **Mt. Whitney Power and Electric Co. Tulare County, Check calculations concrete flumes June 1912**  
Physical Description: 9 l  
Scope and Contents  
Handwritten on graph paper.  
With: correspondence (4 items) laid in.
- Box 2, Folder 20      **Napa and Lake Counties - envelope containing correspondence pertaining to the extension of electric lines in Lake County, a water supply project from Conn Valley, the improvement of Brown's Valley and Redwood Canyon Roads (Napa), and the dam and reservoir at the State Hospital, Napa 1907-8**  
Physical Description: 4 items  
Scope and Contents  
On envelope: Early Brief Reports.
- Box 2, Folder 21      **Northern California Power Company - folder containing notes, diagrams, inspection and appraisal reports, correspondence, etc., concerning North Battle Creek Reservoir and Dam in Shasta County, and other constructions 1911**  
Physical Description: 12 items
- Box 2, Folder 22      **Northern Water and Power Company - envelope containing blueline maps and profiles of Starr Canal, Waggoner Canal, Middle Yuba Canal, Malakoff Reservoir site, pipelines at Canyon, Poorman, Spring and Humbug Creeks, and Columbia Hill Reservoir, all in Nevada County. San Francisco: J.G. White and Company, 1907-12**  
Physical Description: 13 items  
Scope and Contents  
On envelope: index and N.W. and P.C. - Blue Line Prints of Maps and Profiles.
- Box 3, Folder 23      **Northern Water and Power Company, Nevada and Yuba Counties - folder containing correspondence concerning the offer for sale of the Bloomfield Water System to Byllesby Engineering Corporation, the sale of the Granitesville Water System, water rights matters, and an appraisal of the condition of Bowman Dam; California State Water Commission's rules and regulations governing the appropriation of water; application and notices of application for the appropriation of waters by Excelsior Water and Power Company 1919-23**  
Physical Description: 5 items
- Box 3, Folder 24      **J.G. White and Company Report on *Water and Power Company*, California, November 1911**  
Physical Description: 45 l. (2 copies)
- Box 3, Folder 25      **Pacific Gas and Electric Company - folder containing reports, memoranda, correspondence, cost data, tables, map, etc. pertaining to the valuation of Yuba County properties owned by the Company 1911-12**  
Physical Description: 59 items  
Scope and Contents  
On folder: P.G. and E. Co. Valuation.
- Box 3, Folder 26      **Outstanding features of "Pacific service". San Francisco: *Pacific Gas and Electric Company*, 1924?**  
Scope and Contents  
Brochure.
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- Box 3, Folder 27      **Walter Dreyer and G. Ross Henninger. Pit River hydraulic development involves novel features. In: Journal of electricity 55:4 p. 118-137 1925**  
    **Scope and Contents**  
    Removed from journal.  
    Development of *Pacific Gas and Electric Company*.
- Box 3, Folder 28      **Water rights of the *Pacific Gas and Electric Company*, California: report of committee. San Francisco: J.G. White Engineering Corporation 1913**  
    **Physical Description:** 37 l  
    **Scope and Contents**  
    Typewritten.  
    With: "Water rights, Pacific Gas and Electric Company, by substitution method" (9 p.) and handwritten tables laid in.
- Box 3, Folder 29      **Ramona Power and Irrigation Company - folder containing a favorable report on the investigation of the company to determine whether the main purpose of the system was for irrigation or power, correspondence and topographical map of San Jacinto quadrangle, Riverside County 1910-11**  
    **Physical Description:** 4 items  
    **Scope and Contents**  
    On folder: label Report on Ramona Powee sic and Irrigation Company dated Los Angeles, August 6, 1910; pencilled Ramona. Genr'l Land Office Report.
- Box 3, Folder 30      **Regional Plan Association of San Francisco Bay Counties - folder containing summaries of proceedings of the Association, Preliminary report on Regional Plan problems, and brochure: The San Francisco Bay Region of the future - what the Great Regional Plan means 1925-26**  
    **Physical Description:** 5 items
- Box 3, Folder 31      **Rubicon Water and Power Company, El Dorado County - correspondence with the Southern Pacific chief engineer, tables, notes, charts, blueprints pertaining to various canals, dams and reservoirs of the company 1910-11**  
    **Physical Description:** 13 items  
    **Scope and Contents**  
    On folder: Rubicon (Orig H.G. and C.J.R data)
- Box 3, Folder 32      **Salt Creek Power Project Tehama County: hydraulic development, estimate of cost. Revised 1910**  
    **Physical Description:** 4 l  
    **Scope and Contents**  
    Typewritten.  
    With: 23 l. of calculations, in pencil.
- Box 3, Folder 33      **San Joaquin Light and Power Corporation, Fresno County - folder containing specifications, notes, charts, water-wheel test results, calculations, correspondence, diagrams, blueprint, etc. pertaining to Tule River (San Joaquin) Power House (Plant) and pipeline 1913-14**  
    **Physical Description:** 16 items. (in 2 folders)

- Box 4, Folder 34      **Sierra and San Francisco Power Company - envelope containing statements of construction accounts/reports for 1910-1918, cost estimate of Stanislaus Development, detailed inventories of holdings, general map of transmission lines for the company, auditors report for 1915, valuation of properties index, etc 1908-18**  
Physical Description: 24 items. (in 10 folders)  
Scope and Contents  
On envelope: Sierra S.F. Power Co. Auditors report Construction - Statements.
- Box 4, Folder 35A      **South Feather Land and Water Company, Butte County - folder containing construction schedule for Wyandotte-Bangor Irrigation Project, property lists, notes, map of "Lost Creek Dam", "Opinions and orders of the Railroad Commission of California" 192-?**  
Physical Description: 7 items
- Box 4, Folder 35B      **South Feather Land and Water Company, Butte County - folder containing correspondence and other papers concerning ` the development of the company and the suit filed against it by Wyandotte Irrigation District; itemized expense accounts for work performed by Rhodin 1921-22**  
Physical Description: 2 items
- Box 4, Folder 36      **H.A. Kluegel. A report concerning certain improvements to the water supply system of *South Feather Land and Water Company*, Butte and Yuba Counties, California. San Francisco, 1921**  
Physical Description: 16 l., 6 plates
- Box 4, Folder 37      **Long Beach Station number two, *Southern California Edison Co.*, Stone and Webster Incorporated, Engineers-Builders: design and construction - article from Power, article from Power plant engineering, operation - letter from G.C. Ward, Vice-president, Southern California Edison Co., February 17, 1925 March 15, 1925; May 2, 1925**
- Box 4, Folder 38      **The Story of Busy Buttons. *Southern California Edison Company*, 1925**  
Scope and Contents  
Brochure.
- Box 4, Folder 39 A      **Spring Valley Water Company - folders containing drafts, reports, notes, statistics, maps, tables, diagrams, calculations on rainfall, run-off, water flow, valuation, etc. for the system (Alameda, San Mateo, Santa Clara, San Francisco Counties) ca1911/12**  
Physical Description: 20 items. (in 5 folders)  
Scope and Contents  
On all envelopes: Spring Valley valuation hydrographic investigation; on 2 envelopes: G G Anderson; on 1 envelope: Water rights report. (Folder 39A in Box 4)
- Box 5, Folder 39 B,C      **Spring Valley Water Company - folders containing drafts, reports, notes, statistics, maps, tables, diagrams, calculations on rainfall, run-off, water flow, valuation, etc. for the system (Alameda, San Mateo, Santa Clara, San Francisco Counties) ca1911/12**  
Physical Description: 71 items. (in 10 folders)  
Scope and Contents  
On all envelopes: Spring Valley valuation hydrographic investigation; on 2 envelopes: G G Anderson; on 1 envelope: Water rights report. (Folder 39A in Box 4)
- Box 5, Folder 40      **Tujunga Water and Power Company, Los Angeles County - folder containing correspondence concerning a report on the proposed construction of two dams on the Tujunga River 1911**  
Physical Description: 2 items
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- Box 5, Folder 41      **Warner's Ranch, San Diego County - folder containing correspondence, rainfall data, reports, notes, graphs, tables, map pertaining to Warren Dam and Reservoir, Pamo Reservoir and other parts of the development 1911**  
Physical Description: 35 items
- Box 5, Folder 42      **J.G. White and Company, Inc. - folder containing correspondence with officers of the company concerning various matters and projects with which Rhodin was involved; envelope containing documents pertaining to policy (e.g., press interviews, recording and distribution of work hours, Federal tax information, moonlighting) and statements concerning pay reductions due to the business depression of 1914 1911-15**  
Physical Description: 29 items
- Box 5, Folder 43      **Wolverton Dam, Tulare County - folder containing blueprints, diagrams, notes, calculations, etc. of the Dam and the Wolverton Creek Reservoir 1913**  
Physical Description: 14 items
- Box 5, Folder 44      **Wyandotte Land Company - folder containing correspondence pertaining to the company's properties, contracts for the sale of certain properties, maps of the properties in question, financial statement of the company, topographic map of Butte County, Palermo quadrangle (USGS), map of proposed development of Wyandotte-Bangor Irrigation Project water resources, promotional brochure of Sunny Slope in Butte County (Bangor Development Company) ca 1915-22**  
Physical Description: 7 items
- Box 6, Folder 45      **Yosemite Power Company, Stanislaus County - folder containing abstract of inventory; inventory and report of the Gas and Electric Division of the Railroad Commission; cost breakdown of dams, water conduits and penstocks for the company 1916**  
Physical Description: 3 items
- Box 6, Folder 46      **Yuba-Nevada-Sutter Water and Power Association - folder of correspondence pertaining to various investigations and projects 1920-21**  
Physical Description: 1 v. (looseleaf)  
Scope and Contents  
On folder: Yuba-Nevada-Sutter correspondence.
- Box 6, Folder 47      **Carl J. Rhodin. Preliminary report: water supply for Yuba-Nevada-Sutter Water and Power Association. San Francisco, 1920**  
Physical Description: 3 v  
Scope and Contents  
Carbon copy.  
Discusses, in large part, Pacific Gas and Electric Company's plan of development for the Canyon Creek watershed.
- Box 6, Folder 48      **California-Nevada-Oregon Narrow Gage Railroad - envelope containing data pertaining to earnings and cost of operation 1912-13**  
Physical Description: 3 items  
Scope and Contents  
On envelope: Calif.-Nev.-Oregon Narrow Gage R.R. Earnings and Cost of Oper.

**Series 2. Agencies and Projects - Oregon and British Columbia 1910-1914**

- Box 6, Folder 49      **Chewacan Ranch Project, Lake County - folder containing Chewacan River flow charts, surface level and run-off data, water discharge tables, rainfall evaporation and temperature records, comparisons of other rivers statistics, calculations, etc., all related to the project ca 1910-14**  
Physical Description: 24 items
- Box 6, Folder 50      **Chewacan Ranch Project, Lake County, Oregon - folder containing report on irrigation and drainage of Ranch, tables and diagrams of water requirements and area, memorandum of Rhodin's work experience, his testimony regarding water rights, an expense account, a plan of the headworks cut-off for Center Canal, and a map of the Chewacan Land and Cattle Company 1913**  
Physical Description: 9 items
- Box 6, Folder 51      **Clackamas River Power Project - folder containing blueprints, maps, cost estimates, calculations, all pertaining to the project 191-?**  
Physical Description: 16 items  
Scope and Contents  
On folder: Clackamas (Orig. H.G and C.J.R. Data)
- Box 6, Folder 52      **Klamath Power Project - folder containing blueprints, charts, report on condition of flow - forebay system, diagrams, memorandum, all pertaining to the project 1910-11**  
Physical Description: 12 items  
Scope and Contents  
On folder: Klamath (Orig H.G and C.J.R. data)
- Box 7, Folder 53A      **Western Canada Power Company, British Columbia - folder containing blueprints for Stave Falls hydroelectric development: "Stave Drainage Basin"; "Stress diagrams and profiles of dams"; "Precipitation records"; Run-off and storage curves; Property map, Stave Lake and vicinity; "Reinforcement in intake dam"; "Hydro electric development at Stave Falls" 1911-13**  
Physical Description: 8 items
- Box 7, Folder 53B      **Western Canada Power Company, British Columbia - folder containing photographs of the Stave Falls hydro electric development, Stave Lake, and Stave River 1911**  
Physical Description: 17 items
- Box 7, Folder 53C      **Western Canada Power Company - folder containing plans of Vancouver with power systems, and a map of British Columbia ca 1910**  
Physical Description: 3 items
- Box 7, Folder 53D      **R.F. Hayward. Description of the hydro electric development of *Western Canada Power Company, Limited, Stave Falls, B.C. Vancouver, B.C.: Western Canada Power Company, 191-?***  
**Series 3. Bridges, Dams and Tunnels 1910-1923**
- Box 7, Folder 54      **Elliot, G.A. Calaveras hydraulic-fill earth dam. San Francisco: American Society of Civil Engineers, 1916**  
Scope and Contents  
Read before the San Francisco Association of Members of the Society, October 17, 1916.
- Box 7, Folder 55      **Folder containing blueprints of 3 types of rock fill dams and diagrams of sector gate for outlet control in dams 1910**  
Physical Description: 4 items  
Scope and Contents  
On folder: Design of dams. Stability.
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- Box 7, Folder 56      **Folder containing materials on tunnels. s.d.**  
                                 **Physical Description:** 3 items
- Box 7, Folder 57      **Henny, D.C. Two earth dams of the United States Reclamation Service. American Society of Civil Engineers, 1911**  
                                 **Scope and Contents**  
                                 Reprinted from the Society's transactions LXIV (1911), p. 38-93.
- Box 7, Folder 58      **Klamath River Bridge on the Redwood Highway, Del Norte County, California: a memorial to the late assemblyman G.H. Douglas. California Highway Commission, 1923**
- Box 7, Folder 59      **Prince, George T. Cheesman Dam. American Water Works Association, 190-?**  
                                 **Scope and Contents**  
                                 Presented at the 26th Annual Convention of the Association.

**Series 4. Chlorine Water Treatment 1913-1916**

- Box 7, Folder 60      **Coffin, T.D.L. Chlorinating the water supply of Greater New York. New York: Wallace and Tiernan Co., Inc., 1916**  
                                 **Physical Description:** 7 p. (Technical publication; 8)  
                                 **Scope and Contents**  
                                 Reprint from Engineering news, September 7, 1916.  
                                 Cover title: Chlorination at Dunwoodie.  
                                 With: information folder and questionnaire laid in.
- Box 7, Folder 61      **Hyde, Charles Gilman. Report upon the sanitary quality of the Owens River water supply delivered to consumers in Los Angeles through the Los Angeles Aqueduct System. Los Angeles, 1915**  
                                 **Scope and Contents**  
                                 Reprinted from the 14th annual report of the Board of Public Service Commissioners of the City of Los Angeles.
- Box 7, Folder 62      **Hyde, Charles Gilman. Stream pollution and present status of controlling legislation in California 1913**  
                                 **Scope and Contents**  
                                 Reprint from American journal of public health IV:10 (1913), p. 819-834.
- Box 7, Folder 63      **Memorandum: clarification and purification of domestic water supply for Sonora and Jamestown 191-?**  
                                 **Scope and Contents**  
                                 Typewritten.  
                                 Second draft (7 p.)
- Box 7, Folder 64      **Wallace and Tiernan Company, New York. Protecting the water supply of Greater New York. New York: The Company, 1916**  
                                 **Scope and Contents**  
                                 With: questionnaire to be sent to obtain quotations on apparatus laid in.

**Series 5. Machinery circa 1900-1918**

- Box 7, Folder 65      **American Well Works. American centrifugal pumps. 2nd edition. Aurora, Illinois: The Works, 190-?**  
                                 **Physical Description:** 64 p. (Bulletin; 104)

- Box 7, Folder 66      **Howell (R.) Corporation. Howell standard hydraulic ram. New York: The Corporation, 190-?**  
                                 **Scope and Contents**  
                                 Order form laid in.
- Box 7, Folder 67      **Pelton Water Wheel Company Pelton-Doble centrifugal pumps. San Francisco: The Company, 190-?**  
                                 **Scope and Contents**  
                                 Order form tipped in.
- Box 7, Folder 68      **Sulzer Frères. Moteurs marins, Diesel-Sulzer. Winterthur, Suisse: Sulzer Frères, 1918?**  
                                 **Scope and Contents**  
                                 Brochure for nautical engines.

**Series 6. Miscellaneous 1911-1924**

- Box 7, Folder 69      **John H. van Deventer. Who's who in Muscle Shoals? a review of the present offers and the men behind them. In: Industry illustrated, p. 15-17, 62-71 July 1924**
- Box 7, Folder 70      **Miscellaneous documents pertaining to material and building costs, prices, and valuation 1911-24**  
                                 **Physical Description:** 5 items (in 2 folders)
- Box 7, Folder 71      **Miscellaneous materials pertaining to Bruneau Irrigation Company, Idaho Valley Counties Power Company, Butte County (map); North Yuba Canal, Sierra County Clancy River (Photographs); Nevada Irrigation District map of Tahoe National Forest 1909); 1909); 1923); 1916**  
                                 **Physical Description:** 8 items (in folder)
- Box 7, Folder 72      **Miscellaneous personal letters of Rhodin in envelope document in Swedish 1913-15);**  
                                 **Physical Description:** 2 items (in folder)  
                                 **Scope and Contents**  
                                 On envelope: Personal letters of interest.