Inventory of the Max J. Bartell Papers, bulk 1906-1962

Collection number: BARTELL

The Water Resources Center Archives

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Berkeley, California

Contact Information:

- Water Resources Center Archives
- 410 O'Brien Hall
- University of California, Berkeley
- Berkeley, California, 94720-1718
- Phone: (510) 642-2666
- Fax: (510) 642-9143
- Email: waterarc@library.berkeley.edu
- URL: http://www.lib.berkeley.edu/WRCA

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Descriptive Summary

Title: Max J. Bartell Papers,
Date (bulk): bulk 1906-1962
Collection number: BARTELL
Creator: Bartell, Max J., 1879-1968
Extent: ca. 3 linear ft. (5 boxes)
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Berkeley, California 94720-1718
Shelf location: Water Resources Center Archives.
Language: English

Access

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[Identification of item], Max J. Bartell Papers, BARTELL, The Water Resources Center Archives, University of California, Berkeley.

Access Points

Hetch Hetchy Project (Calif.)
Hetch Hetchy Reservoir (Calif.)
O'Shaughnessy Dam (Calif.)
Water-supply --California --San Francisco
Tuolumne River (Calif.)
Groundwater --California --Livermore Valley
Groundwater --California --Alameda Creek Watershed
Mokelumne River (Calif.)
McCloud River Project (Calif.)
Cherry River Project (Calif.)

Biographical Information

Max J. Bartell was born in 1879. In July 1908 he was appointed Assistant Engineer with the City Engineer of San Francisco. His early accomplishments included runoff investigations and reinforced concrete sewer design. He designed the Beale St. steel bridge and began stream flow measurements on the Hetch Hetchy Project, a plan to deliver water to the City of San Francisco from the Tuolumne River. He worked with Percy V. Long, City Attorney, John R. Freeman, consulting engineer, and M.M. O'Shaughnessy, City Engineer, in conjunction with the project. He also investigated alternate water supplies for the city from the Mokelumne River, the Stanislaus River, the McCloud River, and the San Joaquin River. In 1914 he was made Chief Hydraulic Engineer for the city and investigated the total available water supply from the Alameda Creek system for the Spring Valley Water Company. He also reported on the underground water supplies of the Livermore Valley, the Niles Cone of Alameda Creek, and the City of San Francisco. He analyzed the Raker Act and its effects upon the water rights of the City and County of San Francisco and served as an expert witness for the City Attorney in water rates cases regarding water productivity and value of water productivity for rate making purposes. In his 41-year career he was responsible for many other projects and reports on San Francisco's water development. He retired from city service in 1949 and died in April 1968 in San Francisco.

Scope and Content

Correspondence, reports, documents, news clippings, and photographs, concerning water supply sources for San Francisco, Calif., other California regions and municipalities, the Tuolumne River, and the Hetch Hetchy Project.

Box Box 1 , item 1 **Manson, Marsden**
Early history of San Francisco water supply, 1871-1906. San Francisco, 1906.

Physical Description: 4 leaves

item 2 **Bartell, Max J.**
San Francisco water supply investigations : Mokelumne River sources as proposed by Sierra Blue Lakes Water & Power Co. : possibilities of this source in combination with Lake Eleanor. 1912.

Physical Description: 21 leaves

item 3 **Dockweiler, J. H.**
Report on the American-Cosumnes Project as a source of water supply for the City of San Francisco and adjoining communities of the San Francisco Bay Region. San Francisco, 1912.

Physical Description: 380 leaves

item 4 **Bartell, Max J.**

Report showing that the waters of the McCloud River cannot be diverted to the use of San Francisco and the Bay communities owing to its present use by developed priorities in the Sacramento Valley. [1912].

Physical Description: 79 leaves

item 5 **O'Shaughnessy, M. M.**
Proposed San Francisco water supply cost estimates, McCloud River Project. 1912.

Physical Description: 28 leaves

item 6 **Bartell, Max J.**
Report on underground water supply of Livermore Valley, California. 1914.

Physical Description: 102 leaves

Box Box 2 , item 7 **Bartell, Max J.**
Report on the Golden Rock Ditch, Tuolumne River, California, its present use and capacity. 1915.

Physical Description: 10 leaves

item 8 **Dockweiler, J. H.**
Report on water supply, Richmond Municipal Water District, Richmond, California. 1916.

Physical Description: 151 leaves

item 9 **Bartell, Max J.**
Brief report on underground water supply of Livermore Valley. 1926.

Physical Description: 5 leaves

item 10 **Bartell, Max J.**
Coyote Creek and its relation to the ground water of the Coyote Valley, Santa Clara County, California. 1937.

Physical Description: 35 leaves

item 11 **McAfee, L. T.**
Report on flood control for the Tuolumne River, California. 1939.

Physical Description: 2 v.

item 12 **San Francisco. Dept. of Public Works. Bureau of Engineering.**
Report on the underground water supply of San Francisco County : present yield--probable additional yield / prepared under the direction of M.M. O'Shaughnessy by M.J. Bartell. San Francisco, 1913.

Physical Description: 157 p.

Additional Note

Note: WRCA has another copy: G4794 D3-10

Box Box 3 , item 13 **Bartell, Max J.**

Population forecast for Northern California and the San Francisco Bay Region. [San Francisco] 1936.

Physical Description: 1 v.

item 14 **United States. Bureau of Reclamation.**
Contract for delivery of water to Southern San Joaquin Municipal Utility District. 1945.

Physical Description: 18 leaves

item 15 **Peninsula Water Works Association (Calif.)**
Digest of business, second regular meeting of the Peninsula Water Works Association. 1928.

Physical Description: 10 leaves

item 16 **Bartell, Max J.**
A brief discussion of the earth pressures encountered in the coast range tunnels of the Hetch Hetchy Project. 1931.

Physical Description: 7 leaves

item 17 **Bartell, Max J.**
Tuolumne River Watershed : runoff estimate as of April 1 from combined precipitation and snow survey data. 1945-1949.

Physical Description: 1 v.

item 18 **Bartell, Max J.**
Cherry River Project, California. 1941-1944.

Physical Description: 5 pieces

item 19 **Water supply for San Francisco Bay Area. 1910-1932.**
Correspondence relating to water supply for San Francisco and peninsula.

Physical Description: 35 pieces

item 20 **Dockweiler, J. H.**
Measurement of wells, Niles Cone, November 28, 1912 and January 6-13, 1913: copy of water level measurements, Alameda Sugar Company's wells, July 6 -December 31, 1912; map of delta of Alameda Creek showing location of wells. San Francisco, 1913.

Physical Description: 4 pieces

item 21 **Agreement between the Modesto and Turlock Irrigation Districts and the City and County of San Francisco. 1933-1943.**

Physical Description: 30 pieces

Contents: Agreements, individual agency resolutions and memoranda on the conservation of the waters of the Tuolumne River and cooperation in the operation of reservoirs and releases of water on the river.

item 22 **Bartell, Max J.**

Investigation of Lake Eleanor rating curve and recalculation of natural flow from the Eleanor Creek Watershed tributary to Lake Eleanor Dam. 1940.

Physical Description: 21 leaves

Box Box 4 , item 23 **Bartell, Max J.**
Peninsula water supply. 1929-1930. Newspaper clippings, statements and documents on Peninsula water supply.

Physical Description: 2 v.

item 24 **Hetch Hetchy Project, California. 1921.**
Reports, articles, diagrams and photos on Hetch Hetchy Dam construction.

Physical Description: 1 v.

item 25 **Branner, John C.**
Coast range geology : geologic map and section to accompany a preliminary report on the general geology along the proposed line of the Hetch-Hetchy water system. 1912.

Physical Description: 2 folded maps + 1 photograph

item 26 **Bartell, Max J.**
Relation of runoff to precipitation and method of estimating runoff from accumulated part season precipitation for - Sierra Nevada Mountains, California. 1946.

Physical Description: 1 v.

item 26.1 **Bartell, Max J.**
Relation of runoff to precipitation and method of estimating runoff from accumulated part season precipitation for - Sierra Nevada Mountains, California. 1948.

Physical Description: 1 v.

Box Box 5 , item 27 **Bartell, Max J.**
Study of Tuolumne River Watershed : to establish natural flow at LaGrange with existing reservoirs and to determine quantity available for San Francisco, 1918-1933. San Francisco : City and County of San Francisco, Public Utilities Commission, [1933-1934].

Physical Description: 1 portfolio (13 pieces)

Contents: Hetch Hetchy water supply, general -- Folder A. Critical study of natural flow at La Grange; A description of the procedure in determining the methods of estimating the annual quantities from 1896 through 1917; Summary of study of Tuolumne River Watershed -- Folder B. Hydrographs of the actual and natural stream flow of the Tuolumne River at La Grange showing effect of San Francisco's reservoirs and Don Pedro Reservoir -- Folder C. Draft studies of San Francisco's Tuolumne River Watershed, in accordance with provisions of the Raker Act -- Folder D. Additional water available to San Francisco determined on the basis of historical use by the irrigation districts -- Folder E. Water put to storage by San Francisco in Lake Eleanor and Hetch Hetchy reservoirs, 1918-1934 -- Folder F. Water put to storage by San Francisco in Lake Eleanor and Hetch Hetchy reservoirs in excess of the computed quantity available to San Francisco -- Folder G. Use by San Francisco for the development of power of stored water released from Lake Eleanor and Hetch Hetchy reservoirs, 1918-1934 -- Folder H. Historical quantities of water put to storage and released from storage in the Turlock and Modesto Irrigation Districts' foothill reservoirs (Owen and Dallas-Warner) -- Folder J. Historical use by the Turlock, Modesto and Waterford Irrigation Districts of the Tuolumne River inflow to Don Pedro Reservoir.