



SAN FRANCISCO

# MUNICIPAL REPORTS

FOR THE

FISCAL YEAR 1915-16, ENDED JUNE 30, 1916

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PUBLISHED BY ORDER OF THE  
BOARD OF SUPERVISORS



SAN FRANCISCO  
NEAL PUBLISHING CO., 414 MISSION ST.  
1918



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Joseph Mulvihill



J. Emmet Hayden



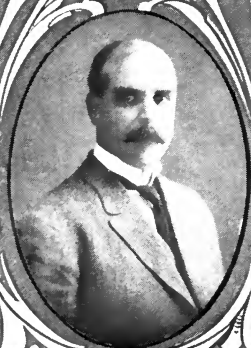
Edward J. Branch



Edward I. Wolfe



Oscar Hooks



James Rolph Jr.  
- MAYOR -



John D. Hayes



Joseph F. Lahaney

BOARD OF  
SUPERVISORS  
OF THE CITY AND COUNTY  
OF SAN FRANCISCO  
1915 - 1916



John O. Walsh



Richard I. Welch



*Edward L. Nolan*



*JAMES E. POWER*



*Andrew J. Gallagher*



*JOHN C. KORTICK*



*FRED L. HILMER*



*FRED SUHR JR.*



*RALPH McLERAN*

BOARD OF  
SUPERVISORS  
OF THE CITY AND COUNTY  
OF SAN FRANCISCO  
1915 - 1916



*CHARLES A. NELSON*



*CORNELIUS J. DEASY*



# Auditor's Report

CITY AND COUNTY OF SAN FRANCISCO, OFFICE OF THE  
AUDITOR.

January 14, 1917.

Hon. James Rolph, Jr.,  
Mayor, City and County of San Francisco.

Dear Sir:

In compliance with Article XVI, Section 9, of the Charter of the City and County of San Francisco, I have the honor to submit herewith the report of the Auditor for the fiscal year ending June 30, 1916.

The report as submitted covers all financial transactions during the said year, and such other information as the Auditor is required by law to include in his statement.

Respectfully submitted,

THOS. F. BOYLE,

Auditor.

AUDITORS OF THE CITY AND COUNTY OF SAN FRANCISCO,  
AND THE TERM OF THEIR INCUMBENCY FROM  
1850 TO 1920.

B. L. Berry .....	1850	Colin M. Boyd .....	1879
G. A. Hudson .....	1851	Jno. P. Dunn .....	1879-1881
J. W. Stillman .....	1852	Henry Brickwedel .....	1882
R. Matthewson .....	1852	Wm. M. Edgar .....	1882-1884
S. R. Harris .....	1853	Fleet F. Strother .....	1885-1890
W. Sherman .....	1854	David Stern .....	1891
A. J. Moulder .....	1855	Thos. J. L. Smiley .....	1891-1892
F. D. Kohler .....	1856	Wm. Broderick .....	1893-1898
E. Mickle .....	1857-1860	Asa R. Wells .....	1899-1901
Henry M. Hale .....	1861-1868	Harry Baehr .....	1902-1905
Thos. M. Holt .....	1869-1870	S. Horton .....	1906-1907
Monroe Ashbury .....	1871-1875	John A. Koster .....	1908-1909
G. F. Maynard .....	1876-1878	Thos. F. Boyle .....	1910-1920



## LIST OF CITY AND COUNTY OFFICIALS (ELECTIVE)

	Expires
Mayor, James Rolph, Jr., term 4 years .....	1920
Auditor, Thomas F. Boyle, term 4 years .....	1920
Assessor, John Ginty, term 4 years .....	1920
Coroner, Dr. T. B. Leland, term 4 years .....	1918
County Clerk, Harry I. Mulcrevy, term 4 years .....	1920
City Attorney, Percy V. Long, term 4 years .....	1918
District Attorney, Charles M. Fickert, term 4 years.....	1920
Public Administrator, W. J. Hynes, term 4 years.....	1918
Recorder, Edmund Godehaux, term 4 years .....	1918
Sheriff, Thos. F. Finn, term 4 years .....	1920
Tax Collector, Edward F. Bryant, term 4 years .....	1918
Treasurer, John E. McDougald, term 4 years .....	1918

## Supervisors—Term 4 years.

Edward J. Brandon .....	1920
Cornelius J. Deasy .....	1918
Andrew J. Gallagher .....	1918
J. Emmet Hayden .....	1920
John D. Hynes .....	1920
Fred L. Hilmer .....	1918
Oscar Hocks .....	1920
John C. Kortick .....	1920
Joseph F. Lahaney .....	1920
Joseph Mulvihill .....	1920
Ralph McLeren .....	1918
Charles A. Nelson .....	1918
Edward L. Nolan.....	1918
James E. Power .....	1918
Fred Suhr, Jr.....	1918
John O. Walsh .....	1918
Richard J. Welch .....	1920
Edward I. Wolfe .....	1920

## Superior Judges.—Term 6 years.

Dept. 1.—J. M. Seawell .....	1923
2.—F. J. Murasky .....	1923
3.—James M. Trout .....	1923
4.—J. J. Van Nostrand .....	1921
5.—John Hunt .....	1921
6.—Frank H. Dunne .....	1921
7.—E. P. Mogan .....	1919
8.—G. A. Sturtevant .....	1921
9.—J. V. Coffey .....	1919
10.—Thos. F. Graham .....	1919
11.—Franklin A. Griffin .....	1919
12.—Geo. H. Cabaniss .....	1923
13.—Daniel C. Deasy .....	1921
14.—Geo. E. Crothers .....	1921
15.—E. P. Shortall .....	1921
16.—Bernard J. Flood .....	1921

## Police Judges—Term 4 years.

Dept. 1.—T. I. Fitzpatrick .....	1920
2.—John J. Sullivan .....	1918
3.—Matthew Brady .....	1918
4.—Morris Oppenheim .....	1920

## Justices of the Peace—Term 4 years.

Dept. 1.—A. F. Barnett .....	1919
2.—Chas. A. A. Creighton .....	1919
3.—James G. Conlan .....	1919
4.—Frank J. Deasy .....	1919
5.—M. J. Roche .....	1919

**LIST OF COMMISSIONERS FOR THE CITY AND COUNTY AND  
EXPIRATION OF THEIR TERM OF OFFICE**

**CIVIL SERVICE COMMISSION**

B. B. Rosenthal .....	Term expires July 1, 1917
E. A. Walcott .....	Term expires July 1, 1919
John J. O'Toole .....	Term expires July 1, 1921

**BOARD OF EDUCATION**

Miss Sallie J. Jones .....	Term expires Jan. 8, 1919
Geo. E. Gallagher .....	Term expires Jan. 8, 1920
A. A. D'Ancona .....	Term expires Jan. 8, 1918
Agnes G. Regan .....	Term expires Jan. 8, 1921

**DEPARTMENT OF ELECTIONS**

C. J. Collins .....	Term expires Jan. 8, 1920
Thos. V. Cator .....	Term expires Jan. 8, 1919
J. K. Prior, Jr. ....	Term expires Jan. 8, 1918
William McDevitt .....	Term expires Jan. 8, 1920
John Herman .....	Term expires Jan. 8, 1921

**BOARD OF FIRE COMMISSIONERS**

John T. Fogarty .....	Term expires Jan. 8, 1918
John F. Davis .....	Term expires Jan. 8, 1920
T. R. Herring .....	Term expires Jan. 8, 1919
F. C. Sykes .....	Term expires Jan. 8, 1921

**PLAYGROUND COMMISSION**

Rev. D. O. Crowley .....	Term expires Jan. 8, 1920
John McLaren .....	Term expires Jan. 8, 1920
Marshall Hale .....	Term expires Jan. 8, 1920
Mrs. M. S. Hayward .....	Term expires Jan. 8, 1920
Miss Agnes G. Regan .....	Term expires Jan. 8, 1920
Geo. E. Gallagher .....	Term expires Jan. 8, 1920
Angelo J. Rossi .....	Term expires Jan. 8, 1920

**PARK COMMISSIONERS**

John A. McGregor .....	Term expires Jan. 8, 1921
Earl M. Cummings .....	Term expires Jan. 8, 1918
Curtis H. Lindley .....	Term expires Jan. 8, 1920
A. B. Spreckels .....	Term expires Jan. 8, 1920
Sigmund Greenbaum .....	Term expires Jan. 8, 1919

**BOARD OF POLICE COMMISSIONERS**

James Woods .....	Term expires Jan. 8, 1921
Theodore J. Roche .....	Term expires Jan. 8, 1919
Jesse B. Cook .....	Term expires Jan. 8, 1920
Thos. E. Shumate .....	Term expires Jan. 8, 1918

**BOARD OF PUBLIC WORKS**

Timothy A. Reardon .....	Term expires Jan. 8, 1919
Daniel G. Fraser .....	Term expires Jan. 8, 1918
Adolph Judell .....	Term expires Jan. 8, 1920

**DEPARTMENT OF PUBLIC HEALTH**

Dr. A. P. O'Brien .....	Term expires Dec. 23, 1920
Guy E. Manning, M. D. ....	Term expires Dec. 23, 1921
L. A. Arnstein .....	Term expires Dec. 23, 1922
Geo. B. Somers, M. D. ....	Term expires Dec. 23, 1923
Frank J. Klimm .....	Term expires Dec. 23, 1917
Arthur M. Sharp .....	Term expires Dec. 23, 1918
Arthur H. Barendt .....	Term expires Dec. 23, 1919



AUDITOR

Gasoline for Automobiles.....	4,359.92		3,302.33	141,888.88
Investigating Water, Gas and Telephone Rate.....	818.30	140,602.66		
<b>Coroner's Department:</b>				
Salaries .....	23,979.96		24,270.96	
Expense .....	2,988.46		2,672.12	
Outlay .....	3,140.28	30,108.70		26,943.08
<b>Department of Elections:</b>				
Salaries, Administrative .....	22,400.00		26,000.00	
Salaries, Election Clerks, etc.....	139,958.60		183,913.20	
Expense .....	62,569.51		64,987.35	
Outlay .....	10,113.62	235,041.73	15,023.41	289,923.96
<b>Mayor's Office:</b>				
Salaries .....	17,479.17		17,520.00	
Expense .....	6,311.66		6,589.25	
Outlay .....	424.87	24,215.70	75.65	24,184.90
<b>Tax Collector's Department:</b>				
Salaries, Administrative .....	65,880.66		67,894.03	
Expense .....	12,853.42		6,300.00	
Outlay .....	514.50			
Salaries, Twin Peaks Tunnel Account.....	2,440.00	81,688.58	4,475.10	78,669.50
<b>Treasurer's Office:</b>				
Salaries .....	27,099.96		27,699.96	
Expense .....	1,706.12		2,781.67	
Outlay .....	294.78	30,100.86		30,451.63

STATEMENT OF AUDITS REGISTERED AGAINST ALL FUNDS AND APPROPRIATIONS—Continued

GENERAL GOVERNMENT—Continued

	1914-1915	1915-1916
<b>Board of Public Works:</b>		
Salaries and Wages (Administrative).....	183,729.60	207,469.75
Repairs to Buildings.....	11,315.80	16,832.22
Rent of Premises.....	63,000.00	62,962.94
Water for Public Buildings.....	23,335.20	25,000.00
Lighting Public Buildings.....	46,087.72	45,931.35
Furniture Public Buildings (Outlays).....		162,424.30
General Maintenance:		
Transportation .....	13,277.34	14,185.00
Expense .....	38,006.32	38,956.19
Outlay .....	7,225.67	4,043.13
	202,268.05	370,337.13
<b>Civic Auditorium:</b>		
Salaries .....		7,954.50
Expense .....		6,956.86
Outlay .....		278.40
		15,189.76
<b>Civic Center Power House:</b>		
Salaries .....		2,581.61
		2,581.61
<b>Photostat Department:</b>		
Salaries .....	2,523.35	1,073.75
Outlays .....	2,273.01	5,007.18
	4,796.36	6,080.93
<b>Legal Department:</b>		
<b>Justices' Court:</b>		
Salaries .....	28,800.00	32,764.55
Expense .....	1,047.72	1,156.44
Outlay .....	245.25	
	30,092.97	33,922.99

AUDITOR

AUDITOR

Police Courts:

Salaries .....	24,000.00	24,000.00	
Expense .....	111.78	357.27	
Outlay .....		232.60	24,589.77

Superior Court:

Salaries .....	71,552.16	70,845.90	
Expense .....	2,040.52	4,747.64	
Outlay .....	4,217.04		
Interpreters .....	9,617.50	9,600.00	
Printing Law and Motion Calendar.....	4,400.00	4,000.00	
Examination of Insane.....	11,485.00	11,050.00	
Care of Criminal Insane.....	2,912.16	3,008.00	
Grand Jury—Court Orders and Expense.....	2,927.15	11,410.82	
Jury Fees and Witness Expense.....	23,886.80	30,122.80	145,585.16

County Clerk, Department of:

Salaries .....	107,499.96	107,799.96	
Expense .....	5,010.80	7,312.47	115,112.43

City Attorney's Department:

Salaries .....	36,124.92	36,199.92	
Expense of Litigation.....	17,907.79	10,960.00	
Outlays .....	1,140.64		
Office Maintenance .....		620.23	47,780.15

District Attorney:

Salaries .....	58,699.92	58,699.92	
Expense .....	9,883.92	7,468.55	66,168.47

**STATEMENT OF AUDITS REGISTERED AGAINST ALL FUNDS AND APPROPRIATIONS—Continued**  
**GENERAL GOVERNMENT—Continued**

**Legal Department—Continued****Law Library:**

	1914-1915	1915-1916
Salaries .....	4,800.00	4,800.00
Expense .....	193.43	270.74
		5,040.74

**Sheriff's Department:**

Salaries .....	118,734.32	118,069.48
Expense Office and Jails.....	4,847.25	10,639.81
Outlay .....	5,211.91	5,173.19
Maintenance of Prisoners.....	45,848.74	41,507.14
	174,642.22	175,389.62

Total General Government.....

\$ 1,710,165.24

\$ 1,980,319.22

**PROTECTION TO PERSON AND PROPERTY.****Bureau of Building Inspection:**

	1914-1915	1915-1916
Salaries of Inspectors.....	32,884.85	33,664.75
	614.40	375.00
		375.00

**Board of Censors (Secretary)****Sealer of Weights and Measures:**

Salaries .....	9,600.00	9,820.00
Expense .....	1,887.76	911.73
Outlay .....	11,487.76	1,487.20
	8,778.80	11,308.60

**Maintenance Public Pound****Accident Insurance:**

Compensation for Injuries of Employees.....	3,376.35	5,604.33
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AUDITOR

<b>Public Administrator:</b>				
Expense .....	448.94	448.94	800.22	800.22
<b>Horticultural Inspector:</b>				
Inspections .....			1,637.70	1,637.70
<b>Recorder's Department:</b>				
Salaries .....	62,899.02		62,420.96	
Expense .....	2,562.52		2,209.28	
Outlays .....	606.27	66,067.81	1,096.50	65,726.74
<b>Department of Electricity:</b>				
Salaries .....	92,387.85		96,882.41	
Expense .....	7,912.96		6,939.00	
Outlay .....	29,523.49	129,824.30	17,457.20	121,278.61
Central Fire Alarm Station .....	77,404.79	77,404.79	887.00	887.00
<b>Fire Department:</b>				
Salaries .....	1,332,918.60		1,344,211.05	
Expense for Maintenance .....	113,451.01		119,225.86	
Expense, Repairs and Alterations .....	19,661.45		18,504.00	
Outlays .....	199,549.77		189,105.15	
Water for Hydrants, etc. ....	141,607.53		139,668.18	
Auxiliary and Distributing System .....	35,568.80	1,842,757.16	35,611.85	1,846,326.09
<b>Police Department:</b>				
Salaries .....	1,475,121.25		1,476,117.31	
Expense for Maintenance .....	44,530.56		45,657.82	
Subsistence of Prisoners .....	7,921.74		8,207.67	
Repairs and Alterations .....	6,459.15		6,498.72	
Outlays .....	7,818.43	1,541,851.13	10,754.33	1,547,235.85
Total Protection to Person and Property .....		\$ 3,715,496.29		\$ 3,647,063.82

## STATEMENT OF AUDITS REGISTERED AGAINST ALL FUNDS AND APPROPRIATIONS—Continued

## CONSERVATION OF HEALTH.

	1914-1915	1915-1916
<b>Health Department (Administrative):</b>		
Salaries .....	120,694.80	121,741.50
Expense .....	23,944.84	16,981.04
Outlay .....	6,568.69	2,111.87
	151,208.33	140,834.41
<b>Tuberculosis Hospital:</b>		
Salaries .....	23,373.20	21,890.95
Expense .....	48,289.63	40,500.00
Outlay .....	2,926.07	9,255.82
	74,588.90	71,646.77
<b>Isolation Hospital:</b>		
Salaries .....	21,572.75	20,637.59
Expense .....	22,854.76	16,976.12
Outlay .....	3,439.54	28,753.34
	47,867.05	66,367.05
Total Conservation of Health.....	\$ 273,664.28	\$ 278,848.23

SANITATION AND PROMOTION OF CLEANLINESS.

	1914-1915	1915-1916
<b>Special Sanitation:</b>		
Salaries .....	10,080.05	7,116.67
Expense .....	4,895.01	2,881.04
Outlays .....	24.71	14,999.77
		9,997.71
 <b>Cleaning, Repairing and Constructing Sewers:</b>		
In Front of City Property.....	13,571.78	8,793.31
Salaries and Wages.....	134,141.15	126,873.50
Expense .....	7,937.86	12,023.49
Outlay .....	12,997.75	76,914.71
	168,648.54	224,605.01
 <b>Cleaning and Sweeping Streets:</b>		
Salaries and Wages.....	331,257.65	332,680.90
Expense .....	18,936.40	17,399.97
Outlays .....	6,824.85	11,725.00
	357,018.90	361,805.87
 Total Sanitation and Promotion of Cleanliness.....	\$ 540,667.21	\$ 596,408.59

AUDITOR



AUDITOR

Street Improvement Fund.....	2,008.75			22,779.08
Special Inspection Fund.....	7,029.80			18,993.50
Excavation Fund.....	15,558.40			15,255.20
Polk Street Regrade Fund.....	11,025.81		499.00	
Redemption of Delinquent Assessment Fund.....	450.24	54,758.15		375.52
Purchase of Land, Rights of Way.....	79,470.28	79,470.28		57,985.30
Maintenance and Construction of Bridges:				
Salaries.....	17,803.40			12,971.50
Outlays.....	9,823.80	27,627.20		73,049.80
Tunnel Assessment Funds:				
Stockton Street Construction.....	73,864.33			17,915.40
Stockton Street Redemption.....				7,973.31
Stockton Street Interest.....	970.60	74,834.93		
Twin Peak Construction (\$4,475.10 transferred to Tax Collector Account).....	933,122.84			914,644.16
Twin Peak Redemption.....	8,572.44			
Twin Peak Interest.....	.67	941,695.95		110.00
Lighting Streets.....	462,670.57	462,670.57		439,666.85
Total Highways.....	\$ 3,048,806.95			\$ 2,736,592.40

## STATEMENT OF AUDITS REGISTERED AGAINST ALL FUNDS AND APPROPRIATIONS—Continued

## CHARITIES AND CORRECTIONS.

	1914-1915	1915-1916
<b>San Francisco Hospital:</b>		
Salaries and Wages.....	70,037.65	125,820.25
Expense of Maintenance.....	95,121.12	102,498.96
Outlays .....	1,916.06	7,581.08
		235,900.29
<b>Relief Home for the Aged and Infirm:</b>		
Salaries and Wages.....	71,295.18	66,580.24
Expense of Maintenance.....	166,115.56	154,284.69
Outlays .....	4,686.27	6,151.99
Construction Work .....	27,009.72	2,226.30
		229,243.22
<b>Emergency Hospital:</b>		
Salaries .....	76,494.29	71,031.25
Expense .....	15,105.58	12,649.21
Outlay .....	26,607.40	5,831.92
		89,572.38
<b>Juvenile Court:</b>		
Salaries .....	27,900.00	32,968.35
Expense .....	3,099.75	2,377.49
		35,345.84

**Juvenile Detention Home:**

Salaries .....	7,468.43		9,206.58
Expense .....	11,807.35		8,700.48
Outlay .....	5,837.70	25,113.48	1,082.55
Construction .....			109,649.00
			128,638.11

**Widows' Pension Bureau:**

Salaries .....	5,030.00		5,508.69
Expense .....	207.46		342.17
Outlay .....	480.85		
Widows Aid for Maintenance.....	85,363.90	91,082.21	110,993.20
			116,844.06

**Maintenance of Minors:**

Orphans and Half-Orphans in Institutions.....	164,052.80		168,004.34
Delinquent Minors .....	10,107.76		10,962.81
Children in Feeble-minded Home.....	30,405.00	204,565.56	31,910.00
			2,992.50
			210,877.15

**Burial of Indigent Dead.....**

	3,021.00		2,992.50
			4,550.00
			7,542.50

**Burial of Ex-Union Soldiers and Sailors.....**

	4,300.00	7,321.00	
			913,530.83
			\$ 1,053,903.55

Total Charities and Corrections.....

**Jails:**

Salaries—Expense—Outlay—See Sheriff.

## STATEMENT OF AUDITS REGISTERED AGAINST ALL FUNDS AND APPROPRIATIONS—Continued

	RECREATION.		
	1914-1915	1915-1916	
<b>Playgrounds:</b>			
Salaries and Wages.....	44,463.02	44,224.51	
Expense .....	9,676.74	13,327.48	
Outlays .....	14,911.48	22,253.10	79,805.09
<b>Celebrations:</b>			
Memorial Day, Observance of.....	500.00	500.00	
Fourth of July, Observance of.....	2,500.00	2,500.00	3,000.00
<b>Park Fund:</b>			
Salaries and Wages.....	307,117.80	304,714.00	
Expense, Maintenance .....	98,340.42	108,152.93	
Outlay .....	22,526.18	14,546.23	427,413.16
<b>Municipal Band Concerts.....</b>	<b>9,999.60</b>	<b>9,999.45</b>	<b>9,999.45</b>
Total Recreation .....	\$ 509,535.24	\$ 509,535.24	\$ 520,217.70



## EDUCATION.

## School Funds:

	1914-1915	1915-1916
Salaries, Administrative .....	45,643.96	47,916.96
Salaries, Janitors, shop .....	138,539.65	144,313.35
Salaries, Teachers, Primary and Grammar, day .....	1,256,645.70	1,311,846.35
Salaries, Teachers, Primary and Grammar, evening .....	40,059.55	43,979.80
Salaries, Teachers, High Schools .....	242,346.50	272,768.15
Salaries, Teachers at large and substitutes .....	94,084.22	118,667.30
Expense, Teachers' Institute .....	1,235.00	1,388.65
Expense, Contributions, Pensions .....		16,570.00
Expense, General Maintenance .....	128,690.10	133,827.60
Expense, General Repairs .....	138,282.64	121,501.93
Outlay, Equipment .....	40,218.29	121,502.81
Outlay, Purchase of Land .....	15,137.50	51,147.38
	2,140,883.11	2,385,430.28
<b>Polytechnic High School:</b>		
Construction and Equipment .....	106,588.32	131,860.79
	106,588.32	131,860.79
<b>Library Fund:</b>		
Salaries .....	52,108.08	55,299.65
Maintenance .....	20,720.68	20,063.61
Outlay .....	32,724.49	31,205.91
Purchase of Land .....	35,045.00	106,569.17
	140,638.25	106,569.17
<b>Total Education .....</b>	<b>\$ 2,388,109.68</b>	<b>\$ 2,623,860.24</b>

## STATEMENT OF AUDITS REGISTERED AGAINST ALL FUNDS AND APPROPRIATIONS—Continued

## PUBLIC UTILITIES.

	1914-1915	1915-1916
<b>Municipal Railway:</b>		
Salaries, Administrative .....	27,901.10	38,852.16
Salaries and Wages, Operating .....	620,947.70	798,868.07
Expense, Operating .....	275,261.58	380,370.80
Outlay, Permanent .....	30,350.98	4,460.40
Outlay, Purchase of Land .....	21,821.50	
Outlay, Purchase of Bonds .....	180,733.09	1,282,211.43
<b>Depreciation Fund:</b>		
Outlay, Purchase of Bonds .....	416,190.88	416,190.88
<b>Investment Fund:</b>		
Purchase of Bonds .....	53,737.27	53,737.27
<b>Municipal Water Works Extension Fund:</b>		
Salaries .....	3,205.10	1,158.80
Outlays .....	18,013.54	21,218.64
<b>Water Works Fund:</b>		
Salaries .....	3,552.50	4,424.00
Expense .....	1,909.36	3,529.70
Outlay .....	147.50	5,609.36
Total Public Utilities .....	\$ 1,653,772.10	\$ 1,570,569.22

## PUBLIC TRUST FUNDS.

	1914-1915	1915-1916
<b>Police Relief and Pension Fund:</b>		
Salary of Secretary.....	600.00	600.00
Pensions, etc. ....	108,070.80	105,673.90
		106,273.90
<b>Firemen's Relief and Pension Fund:</b>		
Salaries .....	600.00	600.00
Pensions, etc. ....	99,614.31	107,283.01
		107,883.01
<b>Firemen's Relief:</b>		
Allowance for Exempt Firemen.....	5,000.00	5,000.00
		5,000.00
<b>Robinson Bequest Fund:</b>		
Money Advanced on Securities.....		40,000.00
		40,000.00
<b>Robinson Bequest Interest Fund:</b>		
Contributions to Charity.....	2,000.00	1,644.45
		1,644.45
<b>Windel Bequest Interest Fund:</b>		
Contributions to Charity.....	800.00	800.00
		800.00
Total Public Trust Fund.....	\$ 216,685.11	\$ 261,601.36

## STATEMENT OF AUDITS REGISTERED AGAINST ALL FUNDS AND APPROPRIATIONS—Continued

## PRIVATE TRUST FUNDS.

	1914-1915	1915-1916
<b>Tearing Up Street Fund:</b>		
Salaries .....	31,206.00	35,769.45
Expense of Material and Labor.....	9,841.19	3,718.80
* Money Refunded to Depositors.....	22,941.60	23,835.20
<b>Absent Heir Fund Refund by Order of Court.....</b>		440.92
<b>Absent Creditors' Fund Refund by Order of Court.....</b>		12.50
<b>County Clerk's Special Fund Refund by Order of Court.....</b>		110,572.40
<b>Bail Money Refund by Order of Court.....</b>	642,647.50	714,690.00
<b>House Moving Fund, Board of Works.....</b>	3,300.00	2,000.00
<b>House Moving Fund, Department of Electricity.....</b>	736.95	413.15
<b>Duplicate Tax Fund Refunds.....</b>	4,245.64	5,022.20
<b>Overpayment Corporation Tax Fund.....</b>	3.61	6.00
<b>Special Badge Fund.....</b>	400.00	780.00
†Special Permit Fund.....	60,055.00	46,521.00
<b>State Inheritance Tax (Paid to State).....</b>	734,330.30	1,261,111.50
		2,165,404.87

\* Included in †.

## Miscellaneous Refunds—Money Paid in Error:

Board of Works Fees.....	58.00	•	
Board of Health Fees.....			10.00
County Clerk Fees.....	9.00		12.00
Forfeited Bail Money.....			262.00
Police Court Fines.....			210.00
Supervisors' Fees .....	562.50		382.00
Licenses .....	77.50		10.50
Taxes Paid in Error.....	5,925.63		1,694.07
Juvenile Court Overpayment.....			49.75
Sheriff Fees .....	190.62		94.20
Money Found on Deceased Persons.....	139.50		115.10
Tax Balances of Previous Year Cancelled.....			539.19
Fines Violating State Ordinances.....	6,095.25		5,552.50
Sundry Refunds .....	20,301.59		
			8,931.31
	33,359.59		
Total Private Trust Funds.....	\$ 808,737.08		\$ 2,213,824.43

## STATEMENT OF AUDITS REGISTERED AGAINST ALL FUNDS AND APPROPRIATIONS—Continued

## PRIVATE TRUST FUNDS—Continued

## Miscellaneous Accounts:

	1914-1915	1915-1916
Condemnation of Spring Valley Water Co.'s Suit:		
Salaries .....	29,234.58	36,159.12
Expense .....	30,836.14	26,700.88
	60,070.72	62,860.00
Sundry Accounts—Collection of Coupons at New York, etc.	12,482.51	11,476.41
Total Miscellaneous Accounts.....	\$ 72,553.23	\$ 73,336.41

## Municipal Bond Funds:

Civic Center Premium Account.....	687.00	
Bond Interest Account.....	1,968,221.00	1,974,992.25
Bond Redemption Funds.....	1,148,000.00	1,136,000.00
Public Building School Bond Fund, 1904.....	56,149.48	3,857.25
Public Building School Bond Fund, 1908.....	317,867.02	64,664.57
Public Building Polytechnic High, 1910.....	90,635.82	26,407.20
Public Building Sewer Bonds, 1904.....	199,850.46	130,102.13
Public Building Sewer Bonds, 1908.....	245,054.28	120,126.52
Public Building Library Bonds, 1904.....	42,266.75	384,671.37
	3,116,221.00	3,110,992.25

Public Building Geary St. Ry Bonds, 1910.....	226,425.88	31,820.50
Public Building Municipal Ry. Bonds, 1908.....	2,132,368.20	278,285.61
Public Buildings Hetch Hetchy Bonds, 1910.....	338,387.11	450,585.54
Public Building Fire Protection, 1908.....	17,178.08	619.35
Public Building Garbage Bonds, 1908.....	2,868.88	1,102.80
Public Building Market St. Railway Bonds, 1908.....	10,868.36	2,673.50
Public Building City Hall and Civic Center, 1912.....	1,578,304.24	1,394,200.85
Public Building Hospital and Jails, 1913.....	305,579.57	241,358.41
Public Building Hospital Bonds, 1908.....	270.26	3,130,475.60
Total Municipal Bond Funds.....	<u>\$ 8,680,982.35</u>	<u>\$ 6,241,467.85</u>
Grand Total of Audited Demands.....	<u>\$24,532,705.59</u>	<u>\$23,799,013.02</u>

## RESUME.

Funds	1914-1915		1915-1916	
	Salaries and Expense	Outlays	Salaries and Expense	Outlays
General Purpose and Function				
General Government .....	\$ 1,672,857.81	\$ 37,307.43	\$ 1,946,484.28	\$ 34,834.94
Protection to Person and Property .....	3,400,593.54	314,902.75	3,426,276.44	220,787.38
Conservation of Health .....	260,729.98	12,934.30	238,727.20	40,121.03
Sanitation & Promotion of Cleanliness .....	520,819.90	19,847.31	507,768.88	88,639.71
Highways .....	1,385,728.68	1,663,078.27	1,555,562.52	1,181,029.88
Charities and Corrections .....	846,932.83	66,598.00	921,381.21	132,522.34
Recreation .....	472,597.58	36,937.66	483,418.37	36,799.33
Education .....	2,198,574.37	189,535.31	2,288,143.35	335,716.89
Municipal Bond Funds:				
Premium Fund .....		687.00		
Interest Accounts .....	1,968,221.00		1,974,992.25	
Redemption Funds .....	1,148,000.00		1,136,000.00	
Public Building Bond Funds .....		5,564,074.35		3,130,475.60
Municipal Water Works Fund and Extension .....	5,461.86	21,366.14	4,424.00	9,896.79
		26,828.00		14,320.79
		8,680,295.35		6,241,467.85
		2,736,592.40		2,623,860.24
		1,053,903.55		520,217.70
		2,736,592.40		596,408.59
		2,736,592.40		2,736,592.40
		1,053,903.55		1,053,903.55
		520,217.70		520,217.70
		2,623,860.24		2,623,860.24



AUDITOR

Miscellaneous Accounts not Charged to any Special Fund:							
Collection of Coupons at New York, Sundry Stationery and Printing .....	12,482.51			10,476.41			
Condemnation of Spring Valley Water Co.'s Suit.....		60,070.72	72,553.23		62,860.00		73,336.41
Public Trust Funds.....	216,685.11		216,685.11	261,601.36			261,601.36
Private Trust Funds (Refunds).....	41,047.16	767,689.92	808,737.08	39,488.25	2,174,336.18		2,213,824.43
Total Audits from Budget Allowance and Deposits .....	\$14,150,732.33	\$8,755,029.16	\$22,905,761.49	\$14,794,744.52	\$7,448,020.07		\$22,242,764.59
Municipal Railway Funds:							
Administration and Operation.....	954,461.36	202,554.59		1,222,551.43		59,660.00	
Depreciation Fund .....		416,190.88				135,158.62	
Investment Fund .....		53,737.27	1,626,944.10			138,878.38	1,556,248.43
Grand Total of all Funds.....	\$15,105,193.69	\$9,427,511.90	\$24,532,705.59	\$16,017,295.95	\$7,781,717.07		\$23,799,013.02
Municipal Railway Fund is not a Budget Expense, but is operated on its own revenue.							

**AUDITOR'S FINANCIAL STATEMENT AND GENERAL STATISTICS AS REPORTED TO UNITED STATES BUREAU OF COMMERCE AND STATE CONTROLLER FOR THE FISCAL YEAR ENDED JUNE 30th, 1916.**

Name of City and County: San Francisco.

Population, United States Census, 1910.....	416,912
Population, Estimated, 1916.....	520,000
Date incorporated.....	May 1st, 1850
Date re-incorporated.....	April 19, 1856
Fiscal year begins.....	July 1st, annually
Total number Parks 34.....	Acreage 17,674.+
Total number Playgrounds 11.....	Acreage 32.97
Territory: Land 46½ square miles. Water 80½ square miles	
1st Class City and County.	

**ASSESSED VALUE OF PROPERTY**

	1914-15	1915-16
Value of Real Estate Non-Operative.....	\$304,288,151.00	\$302,575,489.00
Value of Improvements .....	172,536,727.00	175,387,605.00
Value of Personal Property .....	61,878,872.00	64,599,962.00
	<hr/>	<hr/>
Total Non-operative Property.....	\$538,703,750.00	\$542,563,056.00
Value of Real Estate; Operative.....	22,901,250.00	8,046,400.00
Value of Improvements .....	27,212,039.00	4,498,670.00
Value of Personal Property.....	67,046,809.00	200,780,848.00
	<hr/>	<hr/>
Total Value of Operative Property..	\$117,160,098.00	\$213,325,918.00
	<hr/>	<hr/>
Total Assessed Value City and County Property .....	\$655,863,848.00	\$755,888,974.00
Value of Railroad Property Assessed by State Board.....	344,103.00	346,458.00
	<hr/>	<hr/>
Total assessed value of all property	\$656,207,951.00	\$756,235,432.00

## APPORTIONMENT OF TAX RATE ON EACH \$100 VALUATION.

	1914-15	1915-16
General Fund .....	\$1.4050	\$1.3880
Library Fund .....	.0180	.0180
Park Fund .....	.0700	.0700
Firemen's Relief Fund .....	.0180	.0190
School Fund .....	.2220	.2550
Bond Interest and Redemption Fund.....	.5170	.5100
	<hr/>	<hr/>
Total Tax Rates .....	\$2.2500	\$2.2600

Bonded Debt June 30, 1916.....	\$44,934,700.00
Sinking Fund .....	1,170,962.16
	<hr/>

Net Bonded Debt ..... \$43,763,737.84

Limitation of Bonded Debt, 15% on total Assessed Valuation

Cash on hand beginning of year, July 1,  
1915 .....\$ 9,958,784.40

Outstanding warrants, including cancella-  
tion, July 1, 1915..... 1,370,011.94

Auditor's balance at credit of Funds  
July 1, 1915 ..... \$ 8,588,772.46

## CLASSIFIED RECEIPTS.

## General Fund—

Taxes .....	\$ 7,481,252.79
Advertising .....	10,152.10
Auditorium .....	10,534.00
Interest on Bank Deposits.....	92,101.69
Fees from County Officers.....	234,908.31
Court Fines .....	23,997.00
Licenses, Liquor .....	1,007,270.00
Licenses, Dog .....	11,793.00
Licenses, Miscellaneous .....	218,657.00
Rent of Property.....	21,908.31
Miscellaneous Receipts .....	5,202.35
	<hr/>

9,177,776.55

## Protection to Person and Property—

From Fees .....	16,466.84
Building Permits .....	28,029.50
Advertising, Sales, etc. ....	2,756.16
	<hr/>

47,252.50

## CLASSIFIED RECEIPTS—Continued

<b>Conservation of Health—</b>		
From Fees .....	1,242.25	
Sales of Material .....	607.23	
	<hr/>	1,849.48
<b>Sanitation and Cleanliness—</b>		
El Portal, special deposit.....	11,000.00	
	<hr/>	11,000.00
<b>Highways—</b>		
City and County Good Roads Fund..	112,122.51	
Franchises, etc. ....	143,487.32	
Fees .....	20,623.25	
Excavation Fund .....	12,282.70	
Inspection Fund .....	27,020.50	
Street Improvement .....	22,225.03	
Beale St. Asst. Fund.....	11,433.82	
Miscellaneous Receipts .....	5,126.52	
	<hr/>	354,321.65
<b>Charities and Corrections—</b>		
Widows' Aid .....	67,345.00	
Orphans' Aid .....	38,301.39	
Juvenile Court .....	7,460.68	
Prisoners en route .....	3,572.00	
Miscellaneous .....	2,512.44	
	<hr/>	119,191.51
<b>Recreation—</b>		
Taxes .....	377,185.86	
Park Privileges .....	49,113.49	
Miscellaneous .....	972.47	
	<hr/>	427,271.82
<b>Education—</b>		
Taxes, School, County .....	1,372,987.09	
Apportioned State School .....	718,456.05	
Taxes, Library .....	96,990.64	
Fines .....	4,167.70	
Rents .....	98,142.50	
Miscellaneous .....	646.03	
	<hr/>	2,291,390.01
<b>Municipal Water Works—</b>		
Rentals .....	6,056.89	
	<hr/>	6,056.89
<b>Miscellaneous Accounts—</b>		
Purchase of Land .....	200.00	
Rental Recorder's Desks .....	560.00	
Premium on Bonds, National Bank....	397.25	
	<hr/>	1,157.25

## CLASSIFIED RECEIPTS—Continued

**Municipal Bond Fund—**

Taxes, Interest on Bonds.....	1,713,237.54
Accrued Interest .....	26,323.55
Taxes Redemption Fund .....	1,175,309.78
Public Building Sales .....	3,397,211.97
Reconstruction by Ocean Shore Rail- road Co. ....	33,717.97
Miscellaneous Receipts .....	1,017.38

6,346,818.19

**Public Trust Funds—**

Taxes Firemen's Relief Fund.....	102,347.30
Denman's Medal Fund .....	150.00
Robinson Bequest Fund .....	40,000.00
Robinson Bequest Interest Fund.....	1,644.45
Windel Bequest Interest Fund.....	800.00
Police Contributions, etc. ....	25,533.41

170,475.16

**Private Trust Funds—****Monies Refunded:**

Duplicate Tax Fund .....	5,871.39
House Moving .....	2,675.00
Police Court Bail Money.....	724,835.00
Special Badge Fund .....	595.00
Special Permit Fund .....	51,214.00
Tearing Up Streets Fund.....	67,067.12
Special Deposit Fund .....	161,856.22
Tax Collector's Special Account.....	2,177.00
Miscellaneous .....	292.47

1,016,583.20

**Municipal Railway Fund—**

Passenger Receipts .....	1,989,087.86
Earned Interest on Investment.....	4,054.12
Refund Account .....	3,513.44
Sale of Material, etc.....	3,026.39

1,999,681.81

**Depreciation Fund—**

Accrued Interest .....	1,516.37
Earned Interest on Investment.....	19,984.13

21,500.50

**Investment Fund—**

Accrued Interest .....	378.38
Redemption of Bonds .....	138,500.00

138,878.38

## CLASSIFIED RECEIPTS—Continued

**Tunnel Assessments—**

Stockton St. Assessment .....	38,604.11	
Stockton St. Interest .....	203.00	
Twin Peaks Ridge Tunnel Assessm't	840,066.73	
Twin Peaks Ridge Tunnel Interest....	3,159.83	
Twin Peaks Ridge Tunnel Redempt'n	4,901.47	
	<hr/>	886,935.14
Total Receipts for City and County....		<hr/> \$22,958,140.04

**State of California—**

Amounts drawn from various city Funds for support of inmates of State School, Inheritance Taxes, etc., received for State and held by City and County Treasurer and paid to State Treasurer at regular settlement periods, May and December of each year.....		\$ 1,504,510.99
Undistributed receipts pending fixing of tax rates .....		<hr/> 1,119,301.93
Grand Total of all Receipts.....		<hr/> \$25,581,952.96

CLASSIFIED PAYMENTS REGISTERED AGAINST ALL FUNDS  
AND APPROPRIATIONS.

General Purposes	Amount	Total
<b>General Government—</b>		
Salaries and Expense.....	\$ 1,945,484.28	
Outlays .....	34,834.94	
	<hr/>	\$ 1,980,319.22
<b>Protection to Person and Property—</b>		
Salaries and Expense.....	3,426,276.44	
Outlays .....	220,787.38	
	<hr/>	3,647,063.82
<b>Conservation of Health—</b>		
Salaries and Wages and Expense.....	238,727.20	
Outlays .....	40,121.03	
	<hr/>	278,848.23
<b>Sanitation and Promotion of Cleanliness—</b>		
Salaries and Expense.....	507,768.88	
Outlays .....	88,639.71	
	<hr/>	596,408.59
<b>Highways—</b>		
City and County Good Roads Fund....	82,370.10	
Tunnel Assessments .....	940,642.87	
Excavation Fund .....	15,255.20	
Street Improvement Fund .....	22,779.08	
General Construction and Repairs.....	1,675,545.15	
	<hr/>	2,736,592.40
<b>Charities and Corrections—</b>		
Salaries and Expense.....	921,381.21	
Outlays .....	132,522.34	
	<hr/>	1,053,903.55
<b>Recreation—</b>		
Salaries and Expense.....	483,418.37	
Outlays .....	36,799.33	
	<hr/>	520,217.70
<b>Education—</b>		
Salaries and Expense.....	2,288,143.35	
Outlays .....	335,716.89	
	<hr/>	2,623,860.24
<b>Municipal Bond Funds—</b>		
Interest Account .....	1,974,992.25	
Redemption Fund .....	1,136,000.00	
P. B. Bond Funds .....	3,130,475.60	
	<hr/>	6,241,467.85

## CLASSIFIED PAYMENTS, ETC.—Continued

General Purposes	Amount	Total
<b>Municipal Water Works—</b>		
Salaries and Expense .....	4,224.00	
Outlays .....	9,896.79	
	<hr/>	14,320.79
<b>Miscellaneous Accounts—</b>		
Sundry Expense .....	11,476.41	
Spring Valley Water Suit.....	62,860.00	
	<hr/>	74,336.41
<b>Public Trust Funds—</b>		
Bequests, Contributions, etc. ....	261,601.36	
	<hr/>	261,601.36
<b>Private Trust Fund—</b>		
Deposits Refunded, etc. ....	2,213,824.23	
	<hr/>	2,213,824.43
		<hr/>
		\$22,242,764.59
<b>Municipal Railway Fund—</b>		
Operating Expense .....	1,222,551.43	
Outlays .....	59,660.00	
Depreciation Fund .....	135,158.62	
Investment Fund .....	138,878.38	
	<hr/>	1,556,248.43
		<hr/>
Total Audits .....		\$23,799,013.02



ISCAL YEAR ENDED JUNE 30, 1916.

Assurer's Payments 1915-1916	Treasurer's Cash 1915-1916	Outstanding Demands June 30, 1916	Auditor's Balance June 30, 1916	Amount Reconciled by Settlement After Close of Fiscal Year
74,992.25	\$ 1,160,462.51		\$1,160,462.51	
36,000.00	1,170,962.16		1,170,962.16	
53,836.44	4,264,655.59	203,532.34	4,061,123.25	
6.00	156.64		156.64	
4,633.71	18,101.17	550.19	17,550.98	
	392.92		392.92	
10,964.00	36.00		36.00	
15,559.55	18,367.94	723.80	17,644.14	
8,983.16	1,550.84	738.03	812.81	
93,970.77	1,171,809.13	759,143.34	412,665.79	
2,640.00	2,169.81	273.15	1,896.66	
5,922.63)	174,521.82		174,521.82	
21,154.44)*				
38,878.38	200,000.00		200,000.00	
97,498.51	41,507.85	5,952.11	35,555.74	
18,852.15	281,310.98	86,640.51	194,670.47	
36,543.42	224,109.23		224,109.23	
27,559.79	41,744.64	40,492.72	1,251.92	
13,070.00	32,859.50	5,675.00	27,184.50	
499.00	464.45		464.45	
13,740.00				
33,372.03	115.87	9,695.83		\$ 9,579.96
38,620.95	15,364.76	25,040.75		9,675.99
10,000.00	250.00		250.00	
2,144.45				
	18,336.24		18,336.24	
15,339.13	106,565.78	61,785.45	44,780.33	
11,187.56	50,668.66	55.00	50,613.66	
15,781.00	32,337.75	3,320.00	29,017.75	
820.00	1,194.00	10.00	1,184.00	
17,842.55	22,961.60	2,917.65	20,043.95	
30,718.28	114,359.43	1,909.32	112,450.11	
17,667.68	17,887.99		17,887.99	
	314.84		314.84	
7,973.31	8,792.25		8,792.25	
488.52	2,939.95		2,939.95	
32,779.08	166.12		166.12	
226.65	1,817.91	2.50	1,815.41	
32,148.90	12,993.54	4,455.17	8,538.37	
	2,177.00		2,177.00	
	75,799.38		75,799.38	
18,088.92	163,202.39	2,415.29	160,787.10	
	187,601.82		187,601.82	
303.39	28,808.50		28,808.50	
17,983.95	26,904.63	1,157.75	25,746.88	
7,934.94	2,382.18	252.00	2,130.18	
800.00	620.09		620.09	
<hr/> 17,525.49	<hr/> 9,699,745.86	<hr/> 1,216,737.90	<hr/> 8,502,263.91	<hr/> *19,255.95
		19,255.95*		
<hr/> 17,755.52	<hr/> 817,440.61		<hr/> 817,440.61	
<hr/> 79,755.26	<hr/> 8,514.62		<hr/> 8,514.62	
<hr/> 15,036.27	<hr/> 10,525,701.09	<hr/> 1,197,481.95	<hr/> 9,328,219.14	<hr/> 19,255.95



## VALUE OF PROPERTY OWNED BY CITY

City Hall including Civic Center—		
Land and Building.....	\$10,800,000.00	
Furnishing and Equipment.....	350,000.00	
		\$11,150,000.00
Auditorium—		
Land and Building.....	2,000,000.00	
Furnishing and Equipment.....	50,000.00	
		2,050,000.00
Fire Department—		
Land and Buildings.....	2,000,000.00	
High Pressure .....	5,000,000.00	
Apparatus, etc. ....	1,500,000.00	
		8,500,000.00
Jails—		
Land and Buildings.....	570,000.00	
Equipment .....	15,000.00	
		585,000.00
Schools—		
Land and Buildings.....	12,500,000.00	
Equipment .....	385,000.00	
		12,885,000.00
Library—		
Land and Buildings.....	1,100,000.00	
Books and Equipment.....	180,000.00	
		1,280,000.00
Relief and Juvenile Homes—		
Land and Buildings.....	785,000.00	
Furniture and Equipment.....	95,000.00	
		880,000.00
Hospitals—		
Land and Buildings.....	4,000,000.00	
Furniture and Equipment.....	250,000.00	
		4,250,000.00
Parks—		
Land and Buildings.....	34,000,000.00	
Equipment, Museum, Aviary and Zoo	3,195,000.00	
		37,195,000.00
Isolation Hospital—		
Land and Buildings.....	100,000.00	
Equipment .....	10,000.00	
		110,000.00

## VALUE OF PROPERTY OWNED BY CITY—Continued

Department of Electricity—		
Land and Buildings.....	60,000.00	
Equipment .....	275,000.00	
	<hr/>	335,000.00
Highway Department Equipment.....	265,000.00	
Garbage Disposal Plant.....	300,000.00	
Election Booths .....	25,000.00	
Miscellaneous Real Estate, Rights of Way, etc. ....	375,000.00	
Municipal Railway .....	5,500,000.00	
Police Department, including Hall of Justice .....	1,750,000.00	
	<hr/>	8,215,000.00
		<hr/>
		\$87,435,000.00

**EXPENDITURES**

Of the City and County of San Francisco During the Fiscal  
Year Ended June 30, 1916

Being the Total Demands Audited in said Year.

**GENERAL GOVERNMENT****ASSESSOR'S OFFICE**

## Salaries—

Assessor .....	\$ 7,999.92
Chief Deputy .....	2,400.00
Cashier .....	1,800.00
Deputies .....	27,000.00
Assistant Deputies—4 at \$2,100 each	8,400.00
Assistant Deputies—4 at \$1,800 each	7,200.00
Extra Clerks .....	43,116.55
Map Maker .....	1,800.00

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 99,716.47

## Expense—

Auto Hire .....	545.30
Stationery .....	4,297.93
Postage .....	1,500.00
Furniture .....	17.40
Maps .....	52.30
Telephone and Telegrams.....	8.85
Newspaper Subscriptions .....	48.80
Block Books .....	214.25
Livery .....	1,150.00
Premium on Official Bond.....	250.00

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 8,084.83

Total Assessor's Office \$107,801.30

**AUDITOR'S OFFICE**

## Salaries—

Auditor .....	4,000.00
Chief Deputy Auditor.....	2,400.00
Assistant Deputies, 3 at \$2,400 each..	7,200.00
Assistant Deputies, 5 at \$1,800 each..	9,000.00
Assistant Deputies, 2 at \$1,500. each..	3,000.00

---

 Forward .....\$ 25,600.00 \$ 107,801.30

**GENERAL GOVERNMENT—Continued**

Forward .....	\$ 25,600.00	\$ 107,801.30
Clerks, 2 at \$1,200 each.....	2,400.00	
Expert on Minors and Widows' Pen- sions .....	1,500.00	
Stenographer and Bond Clerk.....	1,500.00	
Telephone Operator .....	1,020.00	
	<hr/>	32,020.00

## Expense—

Incidentals .....	394.75	
Fees of Attorney.....	1,800.00	
Stationery .....	556.47	
Postage .....	261.00	
Premium on Official Bond.....	175.00	
Furniture .....	29.00	
	<hr/>	3,216.22

**Assessment Roll**

Computing and Experting Tax Books	7,000.00	
	<hr/>	7,000.00

Total Auditor's Office \$42,236.22

**CIVIL SERVICE COMMISSION**

## Salaries—

Commissioner .....	3,600.00	
Chief Examiner and Secretary.....	2,400.00	
Assistant Secretary .....	1,800.00	
Clerks (2) .....	3,000.00	
Stenographer .....	1,200.00	
Inspectors .....	6,300.00	
Special Examiners and Clerks.....	1,961.54	
	<hr/>	20,261.54

## Expense—

Advertising .....	249.00	
Auto Hire .....	23.20	
Incidentals .....	80.00	
Printing .....	1,575.15	
Postage .....	230.00	
Furniture .....	522.35	
	<hr/>	2,679.70

Total Civil Service Commission \$22,941.24

Forward .....	<hr/>	\$ 172,978.76
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## GENERAL GOVERNMENT—Continued

## BOARD OF SUPERVISORS

Forward .....		\$ 172,978.76
Salaries—		
Supervisors .....	43,200.00	
Chief Clerk .....	4,200.00	
Chief Assistant Clerks.....	3,000.00	
Expert to Board.....	3,600.00	
Bond and Ordinance Clerk.....	3,000.00	
Superintendent of Supplies.....	3,000.00	
Superintendent of Supplies Assistant	1,200.00	
Assistant Clerks .....	16,500.00	
Telephone Operators .....	3,232.98	
Sergeant at Arms.....	1,440.00	
Chauffeur .....	1,500.00	
Stenographers, Finance Committee...	2,100.00	
Stenographers, Supervisors .....	2,400.00	
		88,372.98
Expense—		
Advertising Ordinances and Resolu-		
tions .....	16,895.47	
Appraisements .....	250.00	
Auto Service .....	55.00	
Auto Supplies .....	576.05	
Books .....	18.00	
Binding .....	44.40	
Compensation for injuries to persons	301.20	
Dues League of Municipalities.....	60.00	
Expense, Committee to Los Angeles		
Conference .....	150.00	
Funeral Lieutenant Governor.....	200.00	
Furniture .....	452.76	
Ice .....	28.05	
Incidentals .....	40.90	
Miscellaneous Expenses — Clerical		
Service .....	212.50	
Premium on Official Bonds.....	295.00	
Postage .....	472.16	
Stationery .....	1,984.69	
Stenographic Service .....	10.00	
Telephone Service .....	151.70	
Transcribing Testimony .....	199.55	
Typewriter .....	40.00	
		22,437.43
Forward .....		\$ 283,789.17

**GENERAL GOVERNMENT—Continued**

Forward .....		\$ 283,789.17
Finance Committee Expense—		
Examining Books and Accounts:		
Birdsall .....	3,734.00	
Dolge .....	1,025.00	
Clerical Service .....	1,425.00	
Expense .....	15.02	
		6,199.02
Printing Public Documents.....	15,582.14	15,582.14
Printing Municipal Record.....	1,442.65	1,442.65
Printing Municipal Reports.....	4,552.33	4,552.33
Gasoline for City Automobiles.....	3,302.33	3,302.33
Total Board of Supervisors	\$141,888.88	

**CORONER'S OFFICE**

Salaries—		
Coroner .....	3,999.96	
Autopsy Surgeon .....	2,400.00	
Chief Deputy .....	2,400.00	
Deputies .....	5,700.00	
Driver and Assistant Deputy.....	1,200.00	
Matrons .....	2,040.00	
Messenger .....	900.00	
Morgue Tender .....	1,056.00	
Toxicologist .....	1,200.00	
Stenographers .....	3,375.00	
		24,270.96
Expense—		
Auto Service and Hire.....	209.68	
Drugs and Chemicals.....	113.34	
Dictaphone .....	216.00	
Dry Goods .....	215.71	
Garbage Removal .....	33.00	
Hardware and Lamps.....	90.47	
Incidentals .....	59.60	
Janitorial Supplies .....	70.19	
Laundry .....	311.70	
Postage .....	35.00	
Premium on Bond.....	25.00	
Recovery of Bodies.....	480.00	
Rubber Goods .....	63.30	
Forward .....	\$ 1,922.99	\$ 339,138.60



**GENERAL GOVERNMENT—Continued**

Forward .....	\$ 1,922.99	\$ 339,138.60
Stationery .....	368.00	
Surgical Instruments .....	18.38	
Telephone Service .....	93.75	
Furniture .....	269.00	
		2,672.12

Total Coroner's Office \$26,943.08

**DEPARTMENT OF ELECTIONS****Salaries—**

Commissioners .....	5,000.00
Registrar of Voters.....	2,400.00
Deputies, 2 at \$2,100 each.....	4,200.00
Deputies, 6 at \$1,800 each.....	10,800.00
Stenographers .....	2,400.00
Storekeeper .....	1,200.00
Clerks .....	56,448.85
Clerks (Special) .....	1,503.10
Election Officers (General).....	39,050.00
Election Officers (State).....	29,295.00
Election Officers (Primary).....	39,060.00
Election Officers (Presidential Elec- tion) .....	16,642.50
Carpenter .....	1,692.00
Labor .....	221.75

209,913.20

**Expense—**

Advertising .....	3,383.80
Auto Hire .....	254.65
Ballot Paper .....	2,415.33
Cartage and Hauling.....	1,941.40
Electric Material and Hardware.....	800.78
Erecting Booths .....	5,639.84
Equiping Booths .....	4,421.09
Livery .....	400.00
Paints and Oils.....	132.04
Painting Booths .....	1,645.21
Premium on Bonds.....	125.00
Printing Index .....	9,238.56
Printing Ballots .....	7,446.30
Printing Miscellaneous .....	6,590.94

Forward .....\$ 44,434.94 \$ 551,723.92

**GENERAL GOVERNMENT—Continued**

Forward .....	\$ 44,434.94	\$ 551,723.92
Postage .....	10,265.00	
Rent of Polling Places.....	3,851.00	
Revision of Maps.....	2,145.25	
Stationery .....	3,902.01	
Sundries .....	389.15	
	<hr/>	64,987.35
Outlay—		
Machinery .....	1,505.70	
Construction of Booths.....	8,722.35	
Furniture .....	4,157.08	
Filing Cases .....	523.65	
Typewriter .....	114.63	
	<hr/>	15,023.41
Total Department of Elections	\$289,923.96	

**MAYOR'S OFFICE**

Salaries—		
Mayor .....	6,000.00	
Secretary .....	2,400.00	
Assistant Secretary .....	2,100.00	
Stenographers .....	3,600.00	
Telephone Operator .....	1,020.00	
Usher .....	900.00	
Chauffeur .....	1,500.00	
	<hr/>	17,520.00
Expense—		
Advertising .....	331.20	
Contingent Expenses .....	3,600.00	
Incidentals .....	1,740.00	
Postage .....	376.25	
Premium on Bond.....	62.50	
Stationery .....	479.30	
	<hr/>	6,589.25
Outlay—		
Furniture .....	75.65	
	<hr/>	75.65
Total Mayor's Office	\$24,184.90	
Forward .....		\$ 655,919.58

**TAX COLLECTOR'S OFFICE**

Forward .....		\$ 655,919.58
Salaries—		
Tax Collector .....	3,999.72	
Chief Deputy .....	2,400.00	
Cashier and Assistants.....	7,200.00	
Blockbook-man .....	1,500.00	
Bookkeeper .....	1,800.00	
Accountant .....	2,400.00	
Deputies .....	19,500.00	
Acting Deputies .....	12,494.31	
Expert Searcher .....	1,800.00	
Special Deputies .....	5,400.00	
License Adjuster .....	1,800.00	
Stenographer .....	1,380.00	
Extra Clerks .....	6,220.00	
Clerical Service on Twin Peaks Tunnel Assessment .....	4,475.10	
		<hr/> 72,369.13
Expense—		
Advertising .....	478.50	
Bookbinding .....	45.92	
Cartage .....	227.00	
Furniture .....	54.00	
Incidentals and Car Fare.....	207.45	
Livery .....	224.10	
Postage .....	607.05	
Printing Delinquent Tax List.....	1,496.65	
Stationery .....	2,905.20	
Telephone Service .....	54.50	
		<hr/> 6,300.37
Total Tax Collector's Office	\$78,669.50	

**TREASURER'S OFFICE**

Salaries—		
Treasurer .....	3,999.96	
Chief Deputy .....	2,400.00	
Bookkeeper .....	3,900.00	
Bond and Bank Deputy.....	3,000.00	
Cashier .....	3,600.00	
Clerks .....	6,600.00	
Deputies .....	4,200.00	
		<hr/> 27,699.96
Forward .....		\$ 762,289.04

**GENERAL GOVERNMENT—Continued**

Forward .....		\$ 762,289.04
Expense—		
Advertising .....	257.83	
Auto Hire .....	127.40	
Binding Books .....	5.50	
Coin Bags .....	66.65	
Freight .....	201.84	
Furniture .....	281.00	
Incidentals .....	131.86	
Postage .....	84.00	
Premium on Official Bonds.....	1,000.00	
Stationery .....	625.59	
	<hr/>	2,781.67
Total Treasurer's Office \$30,481.63		
Forward .....		\$ 765,070.71

**DEPARTMENT OF PUBLIC WORKS****GENERAL OFFICE**

Forward .....		\$ 765,070.71
<b>Salaries—</b>		
Commissioners .....	12,000.00	
Deputy Commissioner .....	3,000.00	
Clerk, Attorney .....	3,000.00	
Experienced Clerks (2) .....	4,200.00	
Stenographers (3) .....	4,860.00	
Messenger .....	1,500.00	
Chauffeur .....	1,500.00	
Telephone Operators (2).....	2,040.00	
	<hr/>	32,100.00

**Bookkeeping Department**

<b>Salaries—</b>		
Bookkeeper .....	3,600.00	
Clerks (4) .....	7,680.00	
Stenographers (2) .....	3,180.00	
Chief Timekeeper .....	1,800.00	
Assistant Timekeepers (2) .....	3,000.00	
Timekeeper's Clerks .....	2,400.00	
Cashier .....	2,400.00	
Cashier's Assistant .....	1,800.00	
	<hr/>	25,860.00

**Inspection of Complaints**

<b>Salaries—</b>		
Chief Deputy .....	3,000.00	
Assessment Clerk .....	2,400.00	
Clerk .....	1,800.00	
Inspectors (5) .....	9,895.85	
	<hr/>	17,095.85

**Storekeeper's Department**

<b>Salaries—</b>		
Storekeeper .....	2,100.00	
Watchmen (6) .....	7,469.90	
Blacksmith and Helpers.....	5,222.40	
Painter .....	1,375.00	
Laborers .....	3,216.10	
	<hr/>	19,383.40

Total Administration \$94,439.25

Forward .....		\$ 859,509.96
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## DEPARTMENT OF PUBLIC WORKS—Continued

## BUREAU OF BUILDINGS AND REPAIRS

Forward .....		\$ 859,509.96
Salaries—		
Superintendent .....	3,000.00	
Assistant .....	2,400.00	
Chief Engineers .....	4,162.90	
Engineers (5) .....	7,532.35	
Elevator Conductors (13).....	14,121.30	
Elevator Starter .....	1,200.00	
Elevator Conductor (County Jail).....	2,078.70	
Janitors (Head and Asst.).....	3,180.00	
Janitors .....	38,895.40	
Additional Janitors (9, Hall).....	6,316.35	
Watchmen (2) .....	2,160.00	
		85,046.90
Expense—		
Clerks .....	1,154.85	
Carpenters .....	1,827.85	
Cement Finishers .....	239.75	
Glazier .....	80.00	
Labor .....	42.00	
Locksmith .....	1,500.00	
Painters .....	1,027.25	
Plumbers .....	3,788.25	
Teamsters .....	2,011.35	
Tiners .....	1,070.75	
Wiremen .....	1,621.00	
Carfare .....	337.15	
Electric Current .....	11.34	
Electric Supplies .....	322.77	
Gasoline .....	13.35	
Glass .....	111.59	
Hardware .....	699.66	
Incidentals .....	10.71	
Lumber .....	73.46	
Paints and Oils.....	157.39	
Construction of Float.....	380.00	
Plumbing Supplies .....	224.98	
Sundries .....	125.77	
		16,831.22
Forward .....		\$ 961,388.08

## DEPARTMENT OF PUBLIC WORKS—Continued

## Bureau of Architects

Forward .....		\$ 961,388.08
Salaries—		
Chief Draftsman .....	3,000.00	
Draftsmen (2) .....	4,200.00	
Surveyor .....	1,980.00	
Clerk .....	2,100.00	
Stenographer .....	1,200.00	
	<hr/>	12,480.00
Total Bureau of Buildings and Repairs	\$114,358.12	

## Rent of Premises

Temporary City Hall.....	42,010.00	
Detention Hospital .....	6,000.00	
Fire Department Lot.....	160.00	
Juvenile Court Detention Home.....	3,300.00	
Health Dept. Harbor Hospital.....	2,700.00	
Moving and Equipping Various Offices...	4,592.94	
Health Office .....	4,200.00	
	<hr/>	62,962.94
Water Furnished Public Buildings.....		25,000.00
Lighting:		
Gas Furnished Public Buildings.....	1,777.18	
Electricity Furnished Public Buildg's	44,154.17	
	<hr/>	45,931.35
Furniture New City Hall.....		162,424.30

## General Maintenance

Salaries—		
Clerks .....	15,504.00	
	<hr/>	15,504.00
Transportation—		
Auto Service .....	4,760.00	
Livery .....	4,704.00	
Rent of Garage.....	276.72	
Chauffeur .....	117.50	
Carfare .....	2,140.20	
Auto Licenses .....	67.31	
Gasoline .....	416.26	
Repairs to Autos.....	1,395.51	
Tires .....	270.60	
Washing Autos .....	37.50	
	<hr/>	14,185.60
Forward .....		\$ 1,299,876.27

## DEPARTMENT OF PUBLIC WORKS—Continued

Forward .....		\$ 1,299,876.27
Expense—		
Advertising .....	8,981.48	
Bookbinding .....	341.73	
Cement .....	37.62	
Chemicals .....	178.77	
Electrical Supplies .....	60.92	
Electric Current .....	28.23	
Fuel Oil .....	5,714.62	
Furniture .....	342.10	
Flags (Signal) .....	12.00	
Glass .....	19.74	
Garbage Removal .....	279.50	
Hardware .....	826.85	
Incidentals .....	69.55	
Janitorial Supplies .....	3,409.70	
Lumber .....	346.07	
Paints .....	65.20	
Postage .....	801.42	
Posting Block Books.....	120.00	
Premium on Bonds.....	333.50	
Plumbing Supplies.....	96.05	
Repairs to Elevator.....	237.56	
Rock .....	23.80	
Rent of Safety Box.....	16.00	
Rubber Goods .....	105.63	
Roofing .....	56.06	
San Francisco Directories.....	37.50	
Stationery and Printing.....	5,117.30	
Subscription to Papers.....	10.55	
Towel Service .....	2,252.95	
Typewriter Repairs .....	385.74	
Wagon Repairs .....	23.40	
		30,331.54
Outlay—		
Automobile .....	695.00	
Adding Machine .....	404.75	
Calculating Machine .....	250.00	
Cabinets .....	174.25	
Electric Lamps .....	984.80	
Removing Counters, etc., City Hall...	1,534.33	
		4,043.13
Forward .....		\$ 1,334,250.94



## DEPARTMENT OF PUBLIC WORKS—Continued

## Miscellaneous Appropriations

Forward .....		\$ 1,334,250.94
Salaries—		
Relief Engineers .....	3,295.80	
Relief Watchmen .....	1,977.00	
Watchman at Pipe Yard.....	2,518.35	
Engineer at Pipe Yard.....	835.50	
		8,626.65
Total General Maintenance \$72,690.92		

## CIVIC CENTER AUDITORIUM

Salaries—			
Manager .....	1,651.00		
Engineers .....	825.00		
Janitors .....	2,984.05		
Laborers and Mechanics.....	1,278.00		
Watchmen .....	1,216.45		
		7,954.50	
Expense—			
Acoustics .....	250.00		
Dry Goods .....	52.89		
Electrical Material .....	169.15		
Furniture .....	79.50		
Fuel and Fuel Oil.....	2,010.98		
Gas and Electric Lighting.....	1,540.08		
Garbage Removal .....	60.50		
Incidentals .....	59.21		
Janitors' Supplies .....	816.38		
Lumber .....	175.78		
Printing .....	7.75		
Rubber Goods .....	170.14		
Refund of Rents.....	462.50		
Teaming .....	37.15		
Paints and Oils.....	18.82		
Hardware .....	529.62		
Water .....	274.12		
Storing Models .....	242.29		
		6,956.86	
Outlay—			
Fire Extinguisher .....	150.00		
Flags .....	22.40		
Forward .....	\$ 172.40	\$ 1,357,788.95	

**DEPARTMENT OF PUBLIC WORKS—Continued**

Forward .....	\$ 172.40	\$ 1,357,788.95
Stage Covering .....	65.00	
Typewriting Machine .....	41.00	
	<hr/>	278.40

Total Civic Auditorium \$15,189.76

**Civic Center Heating and Power House**

## Salaries—

Firemen .....	2,395.60	
Painter .....	8.00	
Steam Fitter .....	108.00	
Labor .....	70.01	
	<hr/>	2,581.61

Total \$2,581.61

**Photostat Department**

## Salaries—

Assistant Photographer.....	1,073.75	
	<hr/>	1,073.75

## Expense—

Auto Supplies .....	39.18	
Blue Prints .....	152.22	
Photo Material.....	2,328.42	
Freight .....	114.95	
Furniture .....	20.00	
Gas .....	46.56	
Incidentals .....	24.60	
Paper .....	2,281.25	
	<hr/>	5,007.18

Total Photostat Dept. \$6,080.93

Forward .....	<hr/>	\$ 1,366,729.89
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**DEPARTMENT OF JUSTICE**

Forward .....		\$ 1,366,729.89
Salaries—		
Justices of Peace.....	20,669.25	
Clerk of Court.....	3,000.00	
Chief Deputy .....	1,800.00	
Cashier .....	1,800.00	
Deputies (3) .....	4,029.15	
Messenger .....	1,466.15	
	<hr/>	32,764.55
Expense—		
Postage .....	288.00	
Stationery and Printing.....	870.44	
	<hr/>	1,158.44
Total Justice of the Peace	\$33,922.99	

**POLICE COURTS**

Salaries—		
Judges .....	14,400.00	
Stenographers .....	9,600.00	
	<hr/>	24,000.00
Expense—		
Furniture .....	194.29	
Postage .....	25.00	
Stationery and Printing.....	137.98	
	<hr/>	357.27
Outlay—		
Iron Grating for Dock.....	232.50	
	<hr/>	232.50
Total Police Courts	\$24,589.77	

**SUPERIOR COURTS**

Salaries—		
Judges, 12 Civil Courts.....	36,000.00	
Judges, 4 Criminal Courts.....	12,000.00	
Stenographers, Civil Courts.....	3,220.00	
Stenographers, Criminal Courts.....	14,901.15	
Secretary .....	3,000.00	
Messenger .....	960.00	
Interpreters for all Courts.....	9,600.00	
	<hr/>	79,681.15
Forward .....		\$ 1,504,923.80

**DEPARTMENT OF JUSTICE—Continued**

Forward .....		\$ 1,504,923.80
Expense—		
Law Books .....	166.50	
Binding Books .....	32.45	
Furniture .....	307.70	
Handwriting Expert .....	913.15	
Interpreters (Special) .....	67.50	
Incidentals .....	126.24	
Judges Additional Expenses.....	764.75	
Medical Testimony .....	670.00	
Miscellaneous (Urgent Necessity).....	391.12	
Postage .....	319.50	
Printing Law and Motion Calendar...	4,800.00	
Stationery and Printing.....	1,271.08	
Transcribing Testimony .....	482.40	
		<u>10,312.39</u>

Total Superior Courts \$89,993.54

**JURY FEES AND WITNESS EXPENSES**

Jury Fees (Trial Jurors).....	27,910.00	
Transportation and Meals.....	1,753.00	
Meals and Lodging for persons, criminal cases .....	459.80	
		<u>30,122.80</u>

Total Jury Fees and Witness Expenses \$30,122.80

**CITY ATTORNEY'S OFFICE**

## Salaries—

City Attorney .....	4,999.92	
City Attorney's Assistants.....	23,400.00	
Chief Clerk .....	1,800.00	
Chief Clerk's Assistant.....	900.00	
Messenger .....	900.00	
Stenographers (4) .....	4,200.00	
		<u>36,199.92</u>

## Expense of Office—

Furniture .....	54.90	
Postage .....	176.50	
Premium on Official Bonds.....	25.00	
Stationery and Printing.....	363.83	
		<u>620.23</u>

Forward ..... \$ 1,582,179.14

**DEPARTMENT OF JUSTICE—Continued**

Forward .....		\$ 1,582,179.14
Litigation Expense—		
Appraisements .....	1770.00	
Accounting Services .....	425.00	
Contingent Expenses .....	4,185.60	
Expert Witness Fees.....	740.00	
Insurance .....	110.00	
Photographs .....	347.50	
Stationery and Printing.....	775.50	
Stenographic Services .....	2,093.30	
Services Civil Engineer.....	489.10	
Subscription to Papers.....	24.00	
		10,960.00
Total City Attorney's Office	\$47,780.15	

**DISTRICT ATTORNEY**

Salaries—		
District Attorney .....	4,999.92	
District Attorney's Assistants.....	34,800.00	
Bond and Warrant Clerk.....	2,400.00	
Bond and Warrant Clerk's Assistants	8,100.00	
Chief Clerk and Assistant.....	3,000.00	
Bookkeeper .....	1,200.00	
Stenographers (2) .....	2,700.00	
Messenger .....	1,500.00	
		58,699.92
Expense—		
Auto Service .....	1,236.83	
Directories .....	22.50	
Furniture .....	23.80	
Ice .....	50.20	
Prosecution of Criminals.....	4,689.67	
Stationery and Printing.....	1,100.55	
Postage .....	245.00	
Premium on Official Bonds.....	100.00	
		7,468.55
Total District Attorney	\$66,168.47	

**COUNTY CLERK'S OFFICE**

Salaries—		
County Clerk .....	3,999.96	
Chief Register Clerk.....	2,400.00	
Forward .....	\$ 639,996.00	\$ 1,659,307.61

**DEPARTMENT OF JUSTICE—Continued**

Forward .....	\$ 639,996.00	\$ 1,659,307.61
Cashier .....	1,800.00	
Copyists .....	37,200.00	
Superior Court Clerks.....	24,000.00	
Police Court Clerks.....	6,000.00	
Assistant Register Clerks.....	24,000.00	
Deputies .....	7,200.00	
Messenger .....	1,200.00	
	<hr/>	107,799.96
Expense—		
Binding Books .....	143.55	
Carfare .....	112.00	
Furniture and Cases.....	1,278.43	
Postage .....	283.00	
Premium on Official Bonds.....	250.00	
Stationery and Printing.....	5,245.49	
	<hr/>	7,312.47
Total County Clerk's Office	\$115,112.43	

**GRAND JURY EXPENSES**

Expense—		
Accountants' Service .....	2,365.00	
Fees of Jurors.....	3,237.00	
Searcher of Records.....	30.00	
Stenographer .....	75.00	
Auto Service .....	243.30	
Expert Testimony .....	170.00	
Interpreting Testimony .....	215.15	
Investigations .....	358.75	
Incidental Carfare .....	20.90	
Photos .....	25.00	
Printing Report .....	330.00	
Postage .....	70.76	
Telephone Service .....	12.54	
Transcribing Testimony .....	4,183.67	
Transportation of Witnesses.....	52.00	
Towel Service .....	8.25	
Water .....	13.50	
	<hr/>	11,410.82
Total Grand Jury Expenses	\$11,410.82	
Forward .....		\$ 1,785,830.86

## DEPARTMENT OF JUSTICE—Continued

## LAW LIBRARY

Forward .....		\$ 1,785,830.86
Salaries—		
Librarian .....	3,600.00	
Messenger .....	1,200.00	
		4,800.00
Expense—		
Stationery and Printing.....	235.74	
Postage .....	5.00	
		240.74
Total Law Library \$5,040.74		

## INSANE

Expense—		
Examination of Insane.....	11,050.00	11,050.00
Maintenance of Criminal Insane.....	3,008.00	3,008.00

## SHERIFF AND JAILS

Salaries—		
Sheriff .....	7,999.92	
Under Sheriff .....	2,400.00	
Attorney .....	1,800.00	
Chief Bookkeeper and Assistants.....	5,400.00	
Office Deputies .....	19,495.85	
Bailiffs Superior Court (Civil).....	14,400.00	
Bailiffs Superior Courts (Criminal)....	7,100.00	
Keepers of places under attachment..	15,267.00	
Chief Jailer and 10 Assistants.....	13,800.00	
Superintendent of Jails.....	1,800.00	
Guards, Jail (22).....	12,924.21	
Guards, Road (6).....	5,347.50	
Matron and Bookkeeper.....	1,335.00	
Commissary .....	1,500.00	
Van Drivers (2).....	1,800.00	
Bookkeeper for Jails.....	1,500.00	
Stenographer .....	1,200.00	
Cooks (2) .....	1,800.00	
Druggist .....	1,200.00	
		118,069.48
Expense Maintenance of Jails, etc.—		
Advertising .....	37.50	
Electric Supplies .....	23.52	
Forage .....	2,100.54	
Forward .....	\$ 216,156.00	\$ 1,922,999.08

## DEPARTMENT OF JUSTICE—Continued

Forward .....	\$ 216,156.00	\$ 1,922,999.08
Harness .....	103.45	
Hardware .....	393.20	
Horseshoeing, Clipping .....	510.25	
Lamps .....	190.12	
Livery .....	490.00	
Postage .....	318.00	
Premium on Official Bonds.....	250.00	
Repairs to Jails.....	1,434.61	
Repairs to Vans .....	630.15	
Rent of Gas Regulators.....	165.00	
Serving Subpoenaes .....	110.30	
Stationery and Printing.....	1,180.22	
Transportation of Prisoners.....	338.00	
Transportation and Milage.....	2,361.95	
Veterinary Services .....	3.00	
		<hr/> 10,639.81
Subsistence of Prisoners—		
Bread .....	3,995.20	
Drugs and Medical Supplies.....	583.44	
Dry Goods and Clothing.....	2,537.19	
Fuel .....	1,052.84	
Furniture .....	296.50	
Gas .....	3,295.80	
Incidentals .....	8.50	
Janitorial Supplies .....	421.79	
Ice .....	510.66	
Liquors .....	59.02	
Provisions .....	27,061.86	
Scavenger Service .....	472.50	
Shoes and Findings.....	740.34	
Tobacco .....	471.50	
		<hr/> 41,507.14
Outlay—		
Alterations County Jail.....	5,173.19	
		<hr/> 5,173.19
Total Sheriff and Jails \$175,389.62		
Forward .....		<hr/> \$ 1,980,319.22



**PROTECTION OF LIFE AND PROPERTY****BUREAU OF BUILDING INSPECTION**

Forward .....		\$ 1,980,319.22
Salaries—		
Chief Inspector .....	3,600.00	
Building Inspectors .....	15,765.35	
Boiler Inspector .....	1,800.00	
Clerks .....	1,819.40	
Stenographer .....	2,400.00	
Structural Engineer .....	2,400.00	
Inspector of House Numbers.....	2,100.00	
	<hr/>	29,884.75

**LIGHT AND WATER INSPECTOR**

Salaries—		
Inspector .....	2,100.00	
Assistant .....	1,680.00	
	<hr/>	3,780.00

**BOARD OF CENSORS**

Salary—		
Secretary .....	375.00	
	<hr/>	375.00

**SEALER OF WEIGHTS AND MEASURES**

Salaries—		
Scaler .....	2,400.00	
Deputies .....	7,200.00	
Clerk .....	220.00	
	<hr/>	9,820.00
Expense—		
Auto and Livery Service.....	225.00	
Auto License .....	27.60	
Auto Supplies .....	425.19	
Cartage .....	17.35	
Hardware .....	99.40	
Incidentals .....	7.50	
Postage .....	32.00	
Stationery .....	77.69	
	<hr/>	911.73
Forward .....		\$ 2,025,090.72

**PROTECTION TO LIFE AND PROPERTY—Continued**

Forward .....		\$ 2,025,090.72
Outlay—		
Automobile .....	997.20	
Purchase of Standard Weights and Measures .....	490.00	
	<hr/>	1,487.20
Total Sealer of Weights and Measures	\$12,218.93	

**PUBLIC POUND**

Maintenance of Animals' Home.....	11,308.60	11,308.60
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**ACCIDENT INSURANCE**

Compensation for Injury of City Employees	5,604.33	5,604.33
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**PUBLIC ADMINISTRATOR**

Expense—		
Advertising .....	550.22	
Premiums on Official Bonds.....	250.00	
	<hr/>	800.22
Total Public Administrator	\$800.22	

**HORTICULTURAL INSPECTION**

Salary .....	1,637.70	1,637.70
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**EXEMPT FIREMEN'S RELIEF  
FUND**

.....	5,000.00	5,000.00
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**RECORDER'S OFFICE**

Salaries—		
Recorder .....	3,999.96	
Chief Deputy .....	2,400.00	
Deputies .....	9,000.00	
Clerks .....	12,200.00	
Copyists .....	33,321.00	
Machinists .....	1,500.00	
	<hr/>	62,420.96
Expense—		
Gas Regulator .....	30.00	
Incidentals .....	5.15	
Postage .....	130.00	
Premium on Official Bond.....	35.00	
Rebinding Books .....	86.01	
Stationery .....	1,923.12	
	<hr/>	2,209.28
Forward .....		\$ 2,115,558.99

**PROTECTION TO LIFE AND PROPERTY—Continued**

Forward .....		\$ 2,115,558.99
Outlay—		
Locker and Cabinets .....	675.00	
Furniture .....	421.50	
		<u>1,096.50</u>
Total Recorder's Office \$65,726.74		

**DEPARTMENT OF ELECTRICITY**

## Salaries—

Chief Electrician .....	3,000.00	
Bookkeeper and Secretary.....	2,100.00	
Clerk .....	1,201.30	
Stenographer .....	1,320.00	
Messenger .....	1,020.00	
Inspectors .....	12,183.30	
Telegraph Operators .....	12,300.00	
Telephone Operators .....	4,379.85	
Machinists and Instrument Makers....	10,752.50	
Foreman .....	1,350.00	
Painter .....	1,350.00	
Chief of Construction.....	2,400.00	
Linemen .....	26,307.50	
Cable Splicer .....	1,662.40	
Storekeeper .....	1,200.00	
Hostler .....	1,200.00	
Repairers .....	1,372.60	
Labor .....	3,934.30	
Batteryman .....	1,500.00	
Engineer Undeground Construction....	1,800.00	
Wiremen .....	1,550.00	
		<u>93,883.75</u>
Back Salaries paid O. K. Jones and W. J. Pennycook .....	2,998.66	
		<u>2,998.66</u>

## Expense—

Auto Supplies and Repairs.....	1,078.84	
Auto License .....	35.20	
Cartage and Hauling.....	54.94	
Carfare .....	262.85	
Cement and Lime.....	62.25	
Fuel .....	104.24	
		<u>1,598.32</u>
Forward .....	\$ 1,598.32	\$ 2,213,537.90

**PROTECTION TO LIFE AND PROPERTY—Continued**

Forward .....	\$ 1,598.32	\$ 2,213,537.90
Gas .....	554.94	
Gasoline .....	393.89	
Hardware and Castings.....	1,518.59	
Incidentals .....	147.60	
Lumber .....	474.79	
Paints and Oils.....	407.43	
Postage .....	20.00	
Rubber Goods .....	146.73	
Removal of Garbage.....	24.00	
Repairs to Streets.....	247.33	
Repairs to Wagons.....	226.43	
Stationery, Printing .....	1,104.60	
Towel Service .....	74.35	

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 6,939.00

## Outlay—

Cable and Wire.....	9,406.51
Castings .....	408.25
Electrical Material .....	6,736.56
Furniture .....	447.45
Cross Beams and Arms.....	220.90
Lamps .....	172.53
Machinery .....	65.00

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 17,457.20

Motor Generator (Fire Alarm Station) 887.00

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 887.00

Total Department of Electricity \$122,165.61

**FIRE DEPARTMENT**

## Salaries—

Commissioners .....	4,800.00
Secretary .....	2,400.00
Physician .....	1,800.00
Stenographer .....	1,775.00
Chief Engineer .....	5,000.00
Chief Engineer's Assistants (2).....	6,600.00
Battalion Chiefs (11).....	29,700.00
Battalion Chief Operators (13).....	19,439.40
Employees of Engine Companies (48)	790,080.65
Employees of Relief Companies (2)....	8,078.00
Employees of Chemical Co.'s (12)....	76,870.45

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 Forward .....\$ 946,543.50 \$ 2,238,821.10

**PROTECTION TO LIFE AND PROPERTY—Continued**

Forward .....	\$ 946,543.50	\$ 2,238,821.10
Employees of Truck Companies (12)	215,068.50	
Employees of Fire Boats (2).....	75,334.60	
Employees of Monitor Batteries (2)..	4,283.45	
Employees of Water Towers (2).....	12,815.70	
	<hr/>	1,254,045.75

**Corporation Yard**

## Salaries—

Superintendent of Engines.....	2,700.00	
Clerk and Commissary.....	1,800.00	
Watchmen .....	5,406.60	
Draftsman .....	1,500.00	
Hydrantmen .....	8,350.00	
	<hr/>	19,756.60

**Construction and Repair Department**

## Salaries—

General Mechanics .....	51,535.35	51,535.35
	<hr/>	

**Stables**

## Salaries—

Superintendent .....	1,860.00	
Veterinary Surgeon .....	1,200.00	
Hostlers .....	9,553.35	
Horseshoers .....	6,260.00	
	<hr/>	18,873.35

**Auxiliary Fire Protection**

## Salaries—

Chief Engineers (2) .....	4,188.35	
Assistant Engineers (5) .....	7,462.50	
Firemen .....	8,400.00	
	<hr/>	20,050.85

**Distributing System**

## Salaries—

Superintendent .....	2,400.00	
Gatemen .....	7,500.00	
Keepers of Reservoirs.....	1,440.00	
Caulkers .....	1,413.00	
Laborers .....	2,808.00	
	<hr/>	15,561.00

Forward .....		\$ 3,618,644.00
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**PROTECTION TO LIFE AND PROPERTY—Continued**

Forward .....		\$ 3,618,644.00
Expense of Maintenance—		
Advertising .....	229.17	
Auto Supplies and Repairs.....	7,460.74	
Badges .....	6.95	
Brass Material .....	598.63	
Boiler Repairs .....	824.65	
Cleaning Supplies .....	2,649.53	
Drugs and Chemicals.....	3,519.29	
Dry Goods .....	328.63	
Electric Current .....	204.67	
Electric Supplies .....	1,101.01	
Excelsior .....	252.93	
Forage .....	34,932.95	
Fuel and Oil.....	18,407.21	
Gasoline .....	3,259.91	
Gas and Electricity.....	12,433.28	
Groceries .....	123.19	
Hardware .....	5,189.95	
Horseshoeing .....	2,827.36	
Incidentals .....	165.14	
Leather Goods .....	352.61	
Lumber and Mill Work.....	440.67	
Metal Polish .....	208.68	
Oxygen .....	282.76	
Pasturing Horses .....	261.85	
Paints and Oils.....	2,392.79	
Plumbing Supplies .....	962.74	
Premium on Official Bonds.....	100.00	
Postage .....	166.94	
Removing Garbage .....	3,300.00	
Repairs to Fire Boats.....	2,402.90	
Repairs to Apparatus.....	2,153.96	
Recharging Batteries .....	558.13	
Resetting Hydrants .....	4,175.04	
Rubber Goods .....	2,075.52	
Rent of Gas Regulator.....	53.20	
Rent of Premises .....	1,623.75	
Repairs to Cistern.....	153.00	
Stationery and Printing.....	2,306.73	
Traveling Expense to Eastern States	600.00	
Forward .....	\$ 119,086.46	\$ 3,618,644.00

**PROTECTION TO LIFE AND PROPERTY—Continued**

Forward .....	\$ 119,086.46	\$ 3,618,644.00
Tank Repairs .....	24.90	
Telephone Service .....	114.50	
Water for Pumping Plant.....	7,470.53	
Water for Fire Boats.....	313.16	
Water for Hydrants.....	131,884.49	
		<u>258,894.04</u>

**Outlay—**

Clocks .....	99.80	
Fire Extinguishers .....	245.40	
Flags .....	22.60	
Furniture .....	2,993.78	
Harness .....	644.61	
Hose .....	1,558.48	
Hydrants .....	9,009.22	
Iron and Steel.....	1,014.98	
Ladders .....	539.80	
Lamps .....	1,340.16	
Machinery Parts .....	5,738.47	
Gasoline Tanks .....	2,006.83	
Gas Range and Heater.....	207.33	
Rubber Tires .....	2,235.03	
Tractors .....	30,150.00	
Chemical Apparatus .....	11,050.00	
Automobiles .....	6,243.25	
Pumping Engines .....	18,750.00	
Hook and Ladder Trucks.....	8,463.00	
		<u>102,312.74</u>

**Construction and General Repairs to Fire Houses****Salaries—**

Carpenters .....	6,351.50	
Glazier .....	96.25	
Cement Finisher .....	255.00	
Laborers .....	128.00	
Painters .....	1,014.50	
Plumbers .....	2,128.00	
Teamsters .....	769.80	
Tinners .....	2,782.75	
Wiremen .....	580.00	
		<u>14,105.80</u>

Forward .....	\$ 3,993,956.58
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**PROTECTION TO LIFE AND PROPERTY—Continued**

Forward .....		\$ 4,018,317.99	
Plumbing .....	3,926.25		
General Construction .....	24,224.32		
			29,862.96
Engine House No. 8			
Outlay—			
Plumbing .....	199.89		
			199.89
Engine House No. 12			
Salaries—			
Architect's Service .....	827.30		
Engineer .....	12.00		
Inspector .....	43.00		
			882.30
Outlay—			
Construction .....	6,091.15		
Lighting Fixtures .....	1,288.00		
Plumbing .....	2,502.50		
Hose Rack .....	101.21		
			9,982.86
Engine House No. 3			
Salaries—			
Architects .....	601.10		
Engineer .....	70.00		
Inspector .....	1,178.15		
			1,849.25
Outlay—			
Blueprints .....	65.94		
Electrical Work .....	826.35		
Cabinets and Lockers.....	232.80		
General Construction .....	19,209.35		
Lighting Fixtures .....	445.00		
Plumbing .....	3,272.50		
			24,051.94
Total Fire Department \$1,846,326.09			

**POLICE DEPARTMENT**

Salaries—			
Commissioners .....	4,800.00		
Chief of Police.....	3,975.96		
Confidential Secretary .....	2,400.00		
Forward .....	\$ 11,175.96	\$ 4,085,147.19	

**PROTECTION TO LIFE AND PROPERTY—Continued**

Forward .....	\$ 11,175.96	\$ 4,085,147.19
Clerk to Chief .....	2,376.00	
Property Clerk .....	2,376.00	
Captain of Detectives.....	2,976.00	
Detective Sergeants.....	44,400.00	
Police Surgeon .....	1,500.00	
Stenographers .....	4,200.00	
Captains of Police.....	21,384.00	
Lieutenants of Police.....	32,150.44	
Sergeants of Police.....	120,740.64	
Corporals of Police.....	63,387.71	
Patrolmen .....	1,092,498.50	
Police Protective Women.....	3,600.00	
Patrol Drivers .....	29,958.06	
Hostlers .....	10,260.00	
Matrons .....	4,320.00	
Telephone Operators .....	4,281.00	
Cook .....	1,200.00	
		<u>1,452,784.31</u>
Contingent Expenses .....	8,049.40	
		<u>8,049.40</u>
Fines of Police Officers.....	1,115.00	
Contributions of Police Officers.....	22,218.00	
		<u>23,333.00</u>

**Maintenance of Police Department**

## Expense—

Advertising .....	2.37	
Auto Supplies .....	3,881.77	
Auto Repairs .....	3,234.36	
Binding Books .....	23.00	
Directories .....	225.00	
Drugs and Chemicals.....	115.45	
Electric Power .....	48.58	
Fuel .....	1,414.11	
Funeral Expense (Music).....	183.00	
Furniture and Filing Cases.....	2,040.53	
Forage .....	8,340.17	
Gas .....	324.90	
Gasoline .....	2,076.62	
Hardware .....	290.02	
		<u>22,199.88</u>
Forward .....	\$ 22,199.88	\$ 5,569,313.90



**PROTECTION TO LIFE AND PROPERTY—Continued****General Repairs and Alterations**

Forward .....		\$ 5,624,399.32
Salaries—		
Carpenters .....	1,357.81	
Cement Finishers .....	231.00	
Glaziers .....	25.50	
Laborers .....	27.00	
Painters .....	967.50	
Plumbers .....	1,440.00	
Tinners .....	170.75	
Teamsters .....	51.00	
Wiremen .....	538.75	
		<u>4,809.31</u>
Expense—		
Carfare .....	142.80	
Cement .....	71.39	
Electric Supplies .....	4.50	
Fire-Proofing .....	15.00	
Glass .....	59.43	
Hardware .....	382.45	
Lumber .....	471.48	
Plumbing .....	16.24	
Paints and Oils.....	141.10	
Sundry Repairs .....	10.00	
		<u>1,314.39</u>
Repairs to Police Photo Gallery.....	375.02	
		<u>375.02</u>
Installing Signal System Traffic Squad .....		1,485.00
Total Police Department \$1,547,235.85		
Forward .....		<u>\$ 5,632,383.04</u>

**CONSERVATION OF HEALTH****DEPARTMENT OF HEALTH**

Forward .....		\$ 5,632,383.04
<b>Salaries—Executive Office—</b>		
Health Officer .....	3,600.00	
Chief Clerk .....	2,700.00	
Stenographer .....	1,320.00	
Telephone Operator .....	1,020.00	
Filing Clerk .....	1,080.00	
	<hr/>	9,720.00
<b>Auditing Department</b>		
Bookkeeper .....	2,400.00	
Clerk .....	1,200.00	
	<hr/>	3,600.00
<b>Bureau of Vital Statistics</b>		
Mortuary Clerk .....	1,500.00	
Birth Registry Clerk.....	1,500.00	
Complaint Clerk .....	1,200.00	
	<hr/>	4,200.00
<b>Bureau of Sanitation</b>		
Chief Sanitary Inspector.....	3,000.00	
Assistant Sanitary Inspectors.....	8,700.00	
Clerk .....	1,920.00	
Stenographers .....	2,400.00	
Telephone Operator .....	187.15	
City Physician .....	2,400.00	
	<hr/>	18,607.15
<b>Bureau of Laboratories</b>		
Director .....	3,600.00	
Bacteriologist and Assistant.....	2,680.00	
Chemist and Assistants.....	4,615.85	
Stenographer .....	900.00	
	<hr/>	11,795.85
<b>Inspection</b>		
Disinfectors .....	2,941.65	
Plumbing Inspectors .....	10,005.00	
	<hr/>	12,946.65
Forward .....		\$ 5,693,252.69

**CONSERVATION OF HEALTH—Continued**

Forward .....		\$ 5,693,252.69
Market Veterinarian .....	4,860.00	
Market Inspectors .....	21,047.90	
	<hr/>	25,907.90
Food Inspectors .....	3,000.00	
	<hr/>	3,000.00
Dairy Inspectors .....	2,625.00	
Dairy Veterinarian .....	3,600.00	
	<hr/>	6,225.00
Industrial Inspectors .....	3,203.80	
	<hr/>	3,203.80
Medical Inspectors .....	4,200.00	
School Inspectors .....	13,275.65	
	<hr/>	17,475.65
Inspector of Indigents.....	1,350.00	
Tenement House Inspectors.....	3,544.50	
	<hr/>	4,894.50
Mechanics .....	165.00	
	<hr/>	165.00
Expense Maintenance—		
Auto License .....	105.60	
Auto Supplies and Repairs.....	2,788.10	
Binding Books .....	6.60	
Dry Goods .....	65.10	
Drugs and Medical Supplies.....	3,585.71	
Electrical Material .....	47.42	
Fuel .....	10.95	
Gas .....	312.90	
Groceries .....	76.45	
Hardware .....	117.59	
Ice .....	162.00	
Incidentals and Cash Advanced.....	2,664.31	
Janitor Supplies .....	98.53	
Inspection of Outside Dairies.....	1,077.75	
Laboratory Supplies .....	945.62	
Livery and Transportation.....	960.00	
Premium on Official Bonds.....	45.00	
Paints and Oils.....	10.13	
Removal of Garbage.....	63.00	
Repairs to Typewriter.....	14.50	
Rubber Goods .....	26.64	
Stationery and Printing.....	2,627.77	
	<hr/>	
Forward .....	\$ 15,811.67	\$ 5,754,124.54

**CONSERVATION OF HEALTH—Continued**

Forward .....	\$ 15,811.67	\$ 5,754,124.54
Photo Supplies .....	221.37	
Painting Signs .....	36.00	
Postage .....	912.00	
		<hr/>
Outlay—		16,981.04
Furniture .....	242.79	
Surgical Instruments .....	28.17	
Typewriter .....	113.30	
Mimeograph .....	55.00	
Lamps .....	6.91	
Automobile Runabouts .....	1,099.55	
		<hr/>
		1,545.72
Automobile from Board of Works		
App. ....	566.15	
		<hr/>
		566.15
Total Department of Health	\$140,834.41	

**ISOLATION HOSPITAL****Salaries—**

Superintendent .....	2,400.00	
Head Nurse .....	825.00	
Graduate Nurses .....	4,791.35	
Pupil Nurses .....	1,228.00	
Cooks .....	2,337.00	
Chauffeur .....	838.00	
Gardener .....	962.65	
Internes .....	120.00	
Institutional Help .....	3,375.09	
Laundress .....	782.50	
Stenographer .....	45.00	
Wardmen .....	1,754.00	
Mechanics and Labor.....	99.00	
Leper Attendant .....	1,080.00	
		<hr/>
		20,637.59
Expense—		
Auto Hire .....	338.50	
Auto Supplies .....	504.42	
Auto License .....	13.80	
Boiler Repairs .....	81.42	
Cartage .....	50.00	
Christmas Gifts to Lepers.....	250.00	
Drugs and Medical Supplies.....	3,411.50	
		<hr/>
Forward .....	\$ 4,649.64	\$ 5,793,855.04

**CONSERVATION OF HEALTH—Continued**

Forward .....	\$ 4,649.64	\$ 5,793,855.04
Dry Goods .....	718.17	
Electrical Supplies .....	147.27	
Fuel .....	950.86	
Groceries and Provisions .....	8,142.72	
Gas .....	923.88	
Garbage Removal .....	100.00	
Hardware .....	449.95	
Incidentals .....	55.15	
Ice .....	92.10	
Janitor Supplies .....	191.56	
Laundry .....	65.48	
Lumber .....	53.65	
Postage .....	26.00	
Rubber Goods .....	82.41	
Stationery and Printing.....	123.35	
Seeds and Plants.....	25.84	
Sundry Equipment .....	178.09	
	<hr/>	16,976.12
Outlay—		
Furniture .....	2,380.32	
Machinery .....	208.00	
Typewriter .....	56.55	
	<hr/>	2,644.87
<b>Construction and Alterations</b>		
Carpenters .....	15.00	
Draftsmen .....	84.70	
Engineer .....	32.00	
Plumber .....	18.00	
Tinner .....	9.00	
	<hr/>	158.70
Repairs to Wards and Cottages.....	1,428.67	
	<hr/>	1,428.67
Construction of Ward .....	7,200.00	
Construction of Nurses' Home.....	3,459.00	
Construction of General Hospital.....	11,204.25	
Construction of Refrigerator .....	1,478.00	
Construction of Garage .....	880.00	
Construction of Boiler, etc.....	271.63	
Blue Prints .....	28.22	
	<hr/>	24,521.10
Total Isolation Hospital \$66,367.05		
Forward .....	\$ 24,521.10	\$ 5,839,584.50



## CONSERVATION OF HEALTH—Continued

## TUBERCULOSIS HOSPITAL

Forward .....	\$ 24,521.10	\$ 5,839,584.50
Salaries—		
Resident Physician .....	1,800.00	
Internes .....	1,014.35	
Gatemen .....	720.00	
Superintendent of Nurses.....	1,080.00	
Graduate Nurses .....	2,300.00	
General Nurses .....	2,173.46	
Commissary .....	300.00	
Orderlies .....	2,538.65	
Cooks .....	1,923.20	
Wardmen .....	1,199.70	
Attendants and Helpers.....	6,841.59	
		21,890.95
Outlay—		
Mechanics:		
Carpenters .....	2,361.50	
Cement Finisher .....	32.00	
Glazier .....	7.50	
Laborers .....	193.50	
Painters .....	1,714.00	
Plumbers .....	555.00	
Tinners .....	74.50	
Teams .....	126.60	
Wiremen .....	35.00	
		5,099.60
Material:		
Boiler .....	75.24	
Drop Curtains .....	380.00	
Electrical Supplies .....	53.85	
Hardware .....	586.44	
Lumber .....	1,592.99	
Paints and Oils.....	739.79	
Roofing .....	395.00	
Plumbing Supplies .....	332.91	
		4,156.22
Total Tuberculosis Hospital \$31,146.77		
Forward .....		\$ 5,870,731.27

**CONSERVATION OF HEALTH—Continued****SPECIAL SANITATION**

Forward .....		\$ 5,870,731.27
Salaries—		
Special Sanitary Inspectors.....	5,876.67	
Storekeeper .....	715.00	
Bacteriologist .....	525.00	
	<hr/>	7,116.67
Expense—		
Auto Supplies .....	40.19	
Carfare .....	460.13	
Drugs .....	515.72	
Electrical Supplies .....	177.29	
Fuel .....	24.38	
Gas .....	104.52	
Food Animals .....	294.19	
Ice .....	59.85	
Rubber Goods .....	56.46	
Scavenger Service .....	66.00	
Water .....	47.36	
Stationery and Printing.....	207.00	
Rent of Premises.....	564.00	
Sundry Equipment .....	263.95	
	<hr/>	2,881.04
Total Special Sanitation \$9,997.71		

**EXTENSION OF MAIN SEWER**

Salaries—		
Engineer .....	1,522.50	
Surveyors and Assistants.....	1,104.15	
Draftsmen .....	1,284.85	
Chemist Assistant .....	50.00	
Cribbers .....	133.00	
Inspectors .....	1,310.00	
Stenographers .....	520.00	
	<hr/>	5,924.50
Outlay—		
Box Culvert .....	499.00	
Carfare .....	15.55	
Damage to Land.....	400.00	
Dredging Islais Creek.....	4,699.87	
Electric Power .....	56.49	
	<hr/>	
Forward .....	\$ 5,670.91	\$ 5,886,653.48

**CONSERVATION OF HEALTH—Continued**

Forward .....	\$ 5,670.91	\$ 5,886,653.48
General Construction .....	11,164.90	
Hardware .....	21.75	
Insurance Policy .....	55.00	
Manholes and Castings.....	445.00	
Stationery .....	55.50	
Typewriter .....	37.90	
Purchase of Land.....	3,150.00	
	<hr/>	20,600.96
Total Extension of Main Sewer \$26,525.46		
South Bay District Sewer Construct'n	38,540.25	
	<hr/>	38,540.25
El Portal Way Sewer Construction....	10,964.00	
	<hr/>	10,964.00

**REPAIRS TO SEWERS (GENERAL APPROPRIATION)**

## Salaries—

Superintendent .....	3,000.00	
Bricklayers .....	12,670.25	
Carpenters and Cribbers.....	16,764.70	
Foremen .....	11,532.50	
Hodcarriers .....	6,429.75	
Laborers .....	19,640.10	
Teamsters .....	34,125.50	
Sewer Cleaners .....	21,044.25	
Watchmen .....	1,666.45	
	<hr/>	126,873.50

## Expense—

Auto License .....	8.80	
Auto Supplies .....	249.40	
Brick .....	1,484.54	
Basin Frames and Iron Gates.....	1,215.84	
Carfare .....	83.65	
Cement .....	1,196.00	
Electrical Supplies .....	40.89	
Electric Current .....	1,019.61	
Fuel .....	13.73	
Gasoline .....	69.87	
Hardware .....	675.18	
Incidentals .....	14.80	
Jute Bags .....	58.75	
	<hr/>	
Forward .....	\$ 6,131.06	\$ 6,083,632.19

**CONSERVATION OF HEALTH—Continued**

Forward .....	\$ 6,131.06	\$ 6,083,632.19
Lamps and Globes.....	80.05	
Lumber .....	472.00	
Machinery .....	114.25	
Manhole Covers .....	909.91	
Paints and Oils.....	176.13	
Rubber Goods .....	846.35	
Repairs to Tools.....	109.95	
Sewer Pipe .....	3,010.68	
Sundry Repairs .....	173.11	
	<hr/>	12,023.49
Outlay—		
Automobile .....	885.00	
	<hr/>	885.00
Total \$189,286.24		

**SEWER WORK IN FRONT OF CITY PROPERTY**

Catch Basins .....	207.50	
Cesspools .....	1,797.67	
Sewer Work:		
Sunnyside District .....	1,566.85	
45th Ave. and Balboa.....	177.50	
30th Ave. and Balboa.....	87.76	
45th Ave. between I and J Sts.....	62.00	
Geary St. between 30th and 40th Ave.	210.00	
Fulton and Somerset .....	45.00	
Bemis St. ....	113.80	
Lowell St. ....	100.00	
Girard and Olmstead, Wilde & Berlin	240.31	
Elsie, between Eugenia and Esmeralda	248.50	
Seneca and San Jose Ave.....	381.50	
De Haro and Mariposa.....	499.00	
Maynard and Ney.....	748.00	
Newhall and Fairfax Ave.....	18.06	
Visitacion Valley .....	300.00	
Pumping Storm Waters.....	289.86	
	<hr/>	7,093.31
Resetting Hydrants .....	1,700.00	
	<hr/>	1,700.00
Total Sewer Work in Front of City Property	\$8,793.31	..
Forward .....		\$ 6,105,333.99

**CONSERVATION OF HEALTH—Continued****CLEANING AND SWEEPING STREETS**

Forward .....		\$ 6,105,333.99
Salaries—		
Superintendent of Street Cleaning.....	3,000.00	
Assistant Supt. of Street Cleaning....	1,800.00	
Apparatus Tender .....	540.00	
General Mechanics .....	1,439.75	
Foremen .....	21,174.00	
Sweepers and Laborers.....	152,444.40	
Stenographer .....	309.70	
Teamsters .....	146,143.25	
Watchmen .....	5,829.80	
		<u>332,680.90</u>
Expense—		
Auto License .....	10.40	
Auto Service .....	400.00	
Auto Supplies and Repairs.....	648.09	
Ash Cans .....	1,020.00	
Brooms and Brushes.....	1,733.00	
Carfare .....	14.30	
Electric Supplies .....	99.68	
Electric Current .....	107.25	
Fuel .....	81.83	
Gasoline .....	406.35	
Globes and Lamps.....	107.02	
Hardware .....	2,543.03	
Hose .....	530.75	
Incidentals .....	138.48	
Lumber .....	52.37	
Machine Repairs .....	1,534.65	
Paints and Oils.....	431.20	
Rubber Goods .....	268.23	
Repairs to Wagons.....	2,428.85	
Sand .....	206.09	
Water .....	4,638.40	
		<u>17,399.97</u>
Outlay—		
Automobile .....	750.00	
Flushing Wagon .....	6,475.00	
Motor Sweeper .....	4,500.00	
		<u>11,725.00</u>
Total Cleaning and Sweeping Streets	\$361,805.87	
Forward .....		\$ 6,467,139.86

**HIGHWAYS**

Forward .....		\$ 6,467,139.86
Salaries—		
Superintendent of Street Repairs and Assistants .....	5,700.00	
Special Assistants (2).....	3,600.00	
Superintendent of Stone Paving.....	2,100.00	
Carpenters .....	3,613.75	
Chauffeurs .....	2,493.35	
Cement Finishers .....	5,900.20	
Engineers (High Pressure).....	5,790.75	
Engineers (Mechanical) .....	130.00	
Engineers (Stationary) .....	3,503.05	
Engineers (Steam Roller).....	7,219.50	
Bricklayer .....	162.50	
Hod Carriers .....	112.50	
Foremen, General Work.....	4,200.00	
Foremen, Asphalt Workers.....	9,649.00	
Foremen, Laborers .....	9,633.00	
Firemen .....	2,400.00	
Glazier .....	2.50	
Granite Cutters .....	22,558.00	
Laborers .....	131,189.25	
Asphaltmen .....	40,074.05	
Inspectors .....	2,019.60	
Pavers and Rammers.....	54,734.80	
Plumbers .....	205.50	
Painters .....	621.50	
Lampmen .....	2,350.00	
Photographer .....	85.00	
Stenographer .....	83.85	
Teamsters .....	135,541.85	
Quarry Drillers .....	6,942.80	
Tinnern .....	398.50	
Wiremen .....	226.25	
Watchmen .....	5,718.40	
		<hr/>
		468,959.45
Expense—		
Auto Licenses .....	77.68	
Auto Supplies and Repairs.....	1,597.40	
Auto Service .....	1,160.00	
		<hr/>
Forward .....	\$ 2,835.08	\$ 6,936,099.31

## HIGHWAYS—Continued

Forward .....	\$ 2,835.08	\$ 6,936,099.31
Asphalt .....	21,994.09	
Basalt Blocks .....	2,293.00	
Brass Castings .....	171.76	
Carpenter and Mill Work.....	794.36	
Canvas Covers .....	87.60	
Carfare and Transportation.....	829.85	
Cement .....	46,223.66	
Chemicals .....	29.56	
Curbing .....	3,696.04	
Electric Supplies .....	336.13	
Electric Current .....	640.92	
Forage .....	290.67	
Freight .....	35.50	
Fuel and Oil.....	7,116.73	
Gas and Electricity.....	1,404.36	
Gasoline .....	820.73	
Grouting .....	22,883.42	
Hardware .....	4,547.73	
Horseshoeing .....	143.00	
Hose and Rubber Goods.....	632.53	
Incidentals .....	202.27	
Iron and Steel.....	2,680.85	
Lamps and Globes.....	583.39	
Livery .....	1,600.00	
Lumber .....	2,468.54	
Machinery Supplies .....	7,706.79	
Office Furniture .....	220.00	
Paints and Oils.....	930.69	
Powder .....	326.61	
Rock and Sand.....	37,320.02	
Resetting Hydrants .....	202.50	
Repairs and Tools.....	1,505.20	
Sign Painting .....	226.00	
Teaming and Hauling.....	12,166.85	
Wagon Repairs .....	427.25	
Water .....	1,266.38	
Water for Troughs .....	2,483.33	
		190,123.39
Outlay—		
Automobile .....	1,870.00	
Motor Road Roller.....	3,750.00	
Forward .....	\$ 5,620.00	\$ 7,126,222.70

**HIGHWAYS—Continued**

Forward .....	\$ 5,620.00	\$ 7,126,222.70
Purchase of Basalt Blocks.....	3,405.00	
Purchase of Vitrified Brick.....	4,350.00	
		13,375.00
Corporation Yard Equipment—		
Equipment and Construction.....	2,569.94	
		2,569.94

**WORK IN FRONT OF CITY PROPERTY****Sidewalks and Curbings—**

City Hall .....	8,084.10	
Bryant Street .....	974.90	
Bush and Stockton Sts.....	65.44	
Buena Vista Park.....	50.00	
Bay and Stockton Sts.....	39.00	
Bosworth, Brompton and Joost.....	1,237.40	
Clay and Laguna Sts.....	31.23	
Chemical Engine No. 8.....	242.00	
Cooper School .....	234.75	
Douglas School .....	181.25	
Engine House No. 30.....	14.90	
Garfield Square .....	398.20	
Grove St., Cole to Clayton.....	26.25	
Glen Park School.....	2,017.50	
Irving and Judah Sts.....	57.87	
Jones and Leavenworth.....	216.38	
Market and 10th Sts.....	119.74	
Mission and 22nd St.....	12.25	
Mission and Ecker.....	10.50	
Mission and 16th St.....	51.80	
Powell and Clay Sts.....	129.10	
Taylor, Bay to North Point.....	1,883.90	
Taylor and Adelaide Place.....	60.00	
12th Ave., "B" to "C".....	165.00	
13th Ave., "B" to "C".....	159.00	
31st Ave. and California.....	130.51	
23rd Ave. and Clement.....	112.50	
15th St., Beaver to Castro St.....	225.00	
19th St., Noreiga St. and Quintara St.....	1,011.74	
19th St. and Collingwood.....	50.26	
22nd and DeHaro Sts.....	253.90	
Waller, Shrader to Stanyan.....	61.00	
Forward .....	\$ 18,309.47	\$ 7,142,167.64



**HIGHWAYS—Continued**

Forward .....	\$ 18,309.47	\$ 7,142,167.64
Wisconsin to 21st St.....	354.24	
Steel Stairways, 18th and Indiana St.	22.00	
		18,683.71
Repaving and Grading Streets—		
Bemis St. ....	628.72	
Buena Vista and Haight St.....	633.00	
Beach and Larkin Sts.....	20.00	
Cambridge St. ....	1,208.00	
Cambrillo and 20th Ave.....	16.25	
Church and Liberty Sts.....	957.60	
Courtland Ave. ....	200.00	
Clement St. ....	700.10	
Elton Lane and O'Farrell St.....	260.53	
Elm bet. Pierce and Scott Sts.....	360.31	
Farragut and Mission Sts.....	63.50	
Fulton St. ....	559.80	
Francisco and Larkin Sts.....	751.39	
Geary St. ....	60.00	
Green and Octavia Sts.....	21.77	
Havelock, Anza and San Jose Ave....	1,596.00	
Irving St. and 37th Ave.....	70.50	
Isolation Hospital .....	34.00	
Lyon, Vallejo to Green St.....	1,781.14	
Larkin and Rockland.....	72.14	
Moultrie and Crescent Ave.....	1,818.79	
Mission Grammar School.....	574.81	
Mariposa St. ....	271.85	
Noe St. ....	1,405.42	
Niagara and King Sts.....	198.64	
Orange Alley .....	205.00	
Pine and Sansome Sts.....	209.25	
Pacific Ave. ....	759.13	
Stockton St. ....	200.00	
San Bruno District.....	1,449.23	
Sunset District .....	7,348.48	
Richmond District .....	2,714.65	
Potrero District .....	4,051.36	
Union and Sansome Sts.....	630.25	
Purchase of Land, Geary St. Widening	1,500.00	
		33,331.61
Total Work in Front of City Property	\$52,015.32	
Forward .....		\$ 7,194,182.96

**CONSTRUCTION OF HIGHWAYS AND STREETS****Special Street Funds****Construction of Esplanade Ocean Boulevard**

Forward .....		\$ 7,194,182.96
Salaries—		
Engineers .....	1,013.65	
Chemist .....	50.00	
Surveyors and Field Assistants.....	887.50	
Draftsmen .....	265.00	
Inspectors .....	1,115.00	
		<u>3,331.15</u>
Outlay—		
Blueprint .....	18.25	
Carfare .....	11.75	
Construction .....	31,393.20	
		<u>31,423.20</u>
Total Construction of Highways and Streets	\$34,754.35	

**Improvement Cumberland and Noe Sts.**

Salaries—		
Engineer .....	485.00	
Field Assistant .....	12.50	
		<u>497.50</u>

**Paving and Grading Hayes St. (City's Portion)**

Salaries—		
Engineer .....	80.00	
Chemist .....	25.00	
Inspectors .....	1,017.50	
		<u>1,122.50</u>
Outlay		
Carfare .....	1.60	
Damage to adjoining property.....	7,500.00	
Paving and Grading.....	15,495.90	
		<u>22,997.50</u>

Total Paving and Grading Hayes St., City's Portion \$24,120.00

**Improving San Bruno Ave., Vista to Bay Shore**

Salaries—		
Engineer .....	50.00	
Surveyor and Assistants.....	2,620.75	
Inspectors .....	1,205.90	
		<u>3,876.65</u>
Forward .....		\$ 7,257,431.46

**HIGHWAYS—Continued**

Forward .....		\$ 7,257,431.46
Outlay		
Construction Work .....	31,123.35	
	<hr/>	31,123.35
Total \$35,000.00		

**Construction of Boulevard and St. Germain Avenue  
Through City Property**

Salaries—		
Engineers .....	850.00	
Surveyors and Filed Assistants.....	987.55	
Inspectors .....	1,407.10	
Chemist .....	25.00	
Photographer .....	28.35	
	<hr/>	3,298.00
Outlay		
Carfare .....	3.60	
Construction Work .....	25,458.00	
	<hr/>	25,461.60
Total \$28,759.60		

**Vermont Street—McKinley Square**

Grading and Construction Work.....	6,348.38	
	<hr/>	6,348.38
Constructing and Paving 17th St., Bryant to Hampshire St.....	4,563.65	
Inspectors .....	258.55	
	<hr/>	4,822.20

**Widening 15th St., Castro to Beaver**

Engineer .....	50.00	
Moving Building .....	1,375.00	
	<hr/>	1,425.00
Construction Work, Clement St., 33rd to 38th Aves. ....	324.64	
	<hr/>	324.64
Construction Work, 29th Ave., Geary to Clement St. ....	6,730.28	
Inspector .....	31.15	
	<hr/>	6,761.43
Forward .....		\$ 7,336,996.06

**HIGHWAYS—Continued**

Forward .....		\$ 7,336,996.06
Construction San Bruno Ave., Arleto and County Line .....	12,860.28	
Inspector .....	223.10	
	<hr/>	13,083.38
Construction San Bruno Ave., Courtland to Steuben—		
Surveyors .....	246.25	
Inspector .....	153.35	
	<hr/>	399.60
Construction Work .....	28,849.53	
	<hr/>	28,849.53
Construction Oakdale, San Bruno Ave. to Railroad Ave. ....	11,751.65	
Engineers, Surveyors, etc.....	510.85	
	<hr/>	12,262.50
Construction Van Ness Ave., Beach to North Point .....	6,441.49	
Inspector .....	65.00	
	<hr/>	6,506.49
Construction Buena Vista Ave., Haight to Central Ave. ....	5,201.05	
Inspector .....	245.00	
	<hr/>	5,446.05
Construction Balboa, 13th to 14th Aves..	2,593.07	
Inspector .....	43.05	
	<hr/>	2,636.12
Construction Fulton St., 14th Ave. to Great Highway .....	14,789.34	
Inspector .....	241.70	
	<hr/>	15,031.04
Construction 22nd, Potrero to Vermont...	4,605.80	
Inspector .....	50.85	
	<hr/>	4,656.65
Construction Lyon St., Green to Greenwich	95.92	
Inspector .....	60.00	
	<hr/>	155.92
Construction Paving Holly Park Circle...	1,551.30	
Surveyor .....	15.35	
	<hr/>	1,566.65
Forward .....		\$ 7,427,589.99

**HIGHWAYS—Continued**

Forward .....		\$ 7,427,589.99
Construction Laidley, Roanoke to County Line—Setting Curbs .....	2,340.33	
Inspector .....	3.25	
	<hr/>	2,343.58
Installing Street Signs.....	188.50	
	<hr/>	188.50
Driveway, Berry St. Improvement.....	1,400.00	
	<hr/>	1,400.00
Plans for Relief Home Tract.....	1,095.50	
	<hr/>	1,095.50
Inspection of Fire Cisterns.....	200.00	
	<hr/>	200.00
Sidewalks Jackson Park .....	1,023.05	
	<hr/>	1,023.05
Total Special Funds \$239,657.66		

**Excavation Fund**

Clerks .....	1,402.50	
Stenographer .....	1,000.00	
Inspectors .....	7,122.50	
Carfare .....	303.75	
	<hr/>	9,828.75
Total \$9,828.75		

**BUREAU OF ENGINEERING**

## Salaries—

City Engineer .....	15,000.00	
Chief Assistant .....	4,366.15	
Civil Engineers .....	23,865.00	
Draftsmen .....	18,480.00	
Cartographer .....	1,800.00	
Surveyors .....	14,700.00	
Surveyors' Field Assistants.....	38,098.25	
Chemists .....	3,600.00	
Photographers .....	3,300.00	
Inspectors Streets and Sewers.....	23,124.85	
Stenographers .....	4,191.75	
	<hr/>	150,526.00

## Expense—

Auto License .....	17.60	
Auto Repairs .....	607.50	
	<hr/>	
Forward .....	\$ 625.10	\$ 7,594,195.37

**HIGHWAYS—Continued**

Forward .....	\$ 625.10	\$ 7,594,195.37
Binding Books .....	32.30	
Chemicals .....	348.76	
Directory .....	22.50	
Electric Supplies .....	10.45	
Furniture .....	72.46	
Garage Rent .....	10.00	
Gasoline .....	118.48	
Hardware .....	342.35	
Instruments .....	616.82	
Instrument Repairs .....	273.17	
Incidentals .....	102.73	
Lumber .....	268.50	
Map Corrections .....	241.55	
Paints and Brushes.....	90.49	
Paper .....	166.81	
Sand .....	62.94	
Stationery .....	964.34	
	<hr/>	4,369.75
Outlay		
Metal Filing Cases.....	625.70	
	<hr/>	625.70
Total Bureau of Engineering \$155,521.45		

**MAINTENANCE OF PUMPING STATION**

Salaries—		
Engineer (Mechanical) .....	657.50	
Draftsmen .....	171.25	
Inspectors .....	155.00	
Mechanics .....	25.75	
Teamsters .....	28.55	
Watchmen .....	180.00	
	<hr/>	1,218.05
Expense—		
Carfare .....	24.55	
Electric Current .....	4,618.36	
Gas and Electricity.....	76.38	
Hardware .....	28.43	
Pump Repairs .....	701.35	
	<hr/>	5,449.07
Total Maintenance of Pumping Station \$6,667.12		
Forward .....		\$ 7,605,857.94

**HIGHWAYS—Continued****Investigation of Water Supply in Richmond District**

Forward .....		\$ 7,605,857.94
Engineers, Draftsmen, etc.....	1,016.65	
	<hr/>	1,016.65

**TUNNEL ASSESSMENTS****Twin Peaks Tunnel Fund**

## Salaries—

Clerical Service (Public Works).....	382.50	
Engineers and Draftsmen.....	18,581.25	
Inspectors .....	12,717.70	
	<hr/>	31,681.45

Clerical Service \$4,475.10 transferred  
to Tax Collector

## Outlay

Auto License .....	8.80	
Auto Supplies and Repairs.....	357.84	
Carfare .....	193.60	
Compensation for death of E. A. Duden .....	4,500.00	
Construction Work .....	875,374.14	
Electrical Material .....	49.30	
Insurance Policy .....	135.00	
Legal Service .....	1,180.00	
Lithographing Bonds .....	355.17	
Refund of Taxes.....	112.50	
Renewal of Leasehold.....	90.00	
Stationery and Printing.....	224.00	
Surveyor's Instruments .....	346.83	
Typewriting Machine .....	35.53	
	<hr/>	882,962.71

Twin Peaks Total Tunnel Assessment \$914,644.16

**Stockton St. Tunnel Assessment**

Construction of Tunnel.....	17,667.68	
Repair to Stone Work.....	247.72	
	<hr/>	17,915.40
Redemption of Delinquent Assessments— Twin Peaks .....	110.00	
	<hr/>	110.00
Stockton St. Tunnel Interest Funds.....	7,973.31	
	<hr/>	7,973.31

Forward ..... \$ 8,547,517.46

**HIGHWAYS—Continued**

Forward .....		\$ 8,547,517.46
Polk St. Regrade Assessment Fund—		
Regrading .....	499.00	
		499.00
Street Improvement Fund—Redemption of Bonds for Construction of Streets	22,779.08	
		22,779.08

**Good Roads Fund**

Salaries—		
Appraisers .....	330.00	
Engineers and Draftsmen.....	11,427.10	
		11,757.10
Compensation, Damage to Property.....	2,800.00	
Abstract of Title .....	645.00	
Carfare and Incidentals.....	172.03	
Construction—		
Portola Drive and Twin Peaks Road..	64,668.50	
St. Germain Ave.....	1,449.97	
Railroad Ave. ....	877.50	
		70,613.00
Total Good Roads Fund \$82,370.10		

**Street Assessment Funds**

Repairs to Arch St. ....	5.00	
Repairs to Bixley St. ....	6.00	
Repairs to Bright St. ....	5.00	
Repairs to Beverly St. ....	7.00	
Repairs to Head St. ....	5.00	
Repairs to Monticello St. ....	5.00	
Repairs to Orizaba Ave. ....	29.00	
Repairs to Ralston St. ....	6.00	
Repairs to Ramsell St. ....	5.00	
Repairs to Vernon St. ....	5.00	
Repairs to Victoria St. ....	5.00	
		83.00

**Redemption of Delinquent Assessments**

Ralston St. ....	21.80	
Beverly St. ....	88.94	
Monticello St. ....	77.98	
Orizaba St. ....	59.20	
Forward .....	\$ 247.92	\$ 8,653,248.64



**HIGHWAYS—Continued**

Forward .....	\$ 247.92	\$ 8,653,248.64
Bright St. ....	65.30	
Bixley St. ....	43.60	
Victoria St. ....	18.70	
		<u>375.52</u>

**Special Inspection Funds**

Salaries of Inspectors paid out of moneys deposited by Corporations.....	18,993.50	
		<u>18,993.50</u>

**Maintenance of Bridges**

Salaries—		
Engineers .....	5,729.00	
Watchmen and Bridge Tenders.....	7,242.50	
		<u>12,971.50</u>
Outlay—		
Structural Engineers, etc., Third St. Bridge .....	739.25	
Alterations and Construction Third St. Bridge .....	16,641.36	
		<u>17,380.61</u>
Engineers, Draftsmen, etc., Fourth St. Bridge .....	7,371.85	
Expense and Construction Fourth St. Bridge .....	48,091.40	
		<u>55,463.25</u>
Repairs to Kentucky St. Bridge, Alterations .....	205.94	
		<u>205.94</u>
Total Maintenance of Bridges	\$86,021.30	

**STREET LIGHTING**

Gas .....	184,441.79	
Electricity .....	255,225.06	
		<u>439,666.85</u>
Forward .....		\$ 9,198,305.81
Grand Total Highways	\$2,731,165.95	

**CHARITIES AND CORRECTIONS****SAN FRANCISCO HOSPITAL**

Forward .....		\$ 9,198,305.81
<b>Salaries—</b>		
Superintendent .....	3,600.00	
Resident Physician and Assistants....	3,217.50	
Internes .....	1,698.75	
Commissary .....	1,800.00	
Secretary and Clerk .....	2,700.00	
Ambulance Drivers .....	4,800.00	
Watchmen .....	1,614.50	
Supt. of Nurses and Assistants.....	25,097.60	
Druggist and Assistants.....	2,340.00	
Telephone Operators .....	2,340.00	
Clerk .....	1,200.00	
X-Ray Operator and Attendant.....	905.00	
Storekeeper .....	1,390.00	
Surgical Dresser .....	1,200.00	
Teamster .....	960.00	
Elevator Operators .....	2,675.00	
Cooks and Assistants .....	4,991.00	
Waiters .....	5,287.55	
Seamstress and Helpers.....	915.00	
Housekeeper .....	480.00	
Institutional Help .....	23,149.70	
Laundry Employees .....	3,354.50	
Anaesthetest .....	900.00	
		<u>96,616.10</u>
	<b>Housekeeping Department</b>	
<b>Salaries—</b>		
Steward .....	1,200.00	
Chambermaids .....	1,800.00	
Cook .....	420.00	
Lockerman .....	520.00	
Utilitymen .....	1,440.00	
Gardener .....	900.00	
Yardmen .....	1,200.00	
		<u>7,480.00</u>
	<b>Laundry Department</b>	
<b>Salaries—</b>		
Laundrymen .....	2,760.00	
		<u>2,760.00</u>
Forward .....		<u>\$ 9,305,161.91</u>

## CHARITIES AND CORRECTIONS—Continued

## Engineering Department

Forward .....		\$ 9,305,161.91
Salaries—		
Chief Engineer and Assistants.....	7,304.15	
Firemen .....	4,160.00	
Electrician .....	1,500.00	
Plumber .....	1,800.00	
	<hr/>	14,764.15

## Miscellaneous Departments

Salaries—		
Fumigator .....	300.00	
Morgueman .....	300.00	
Emergency Stewards .....	3,600.00	
	<hr/>	4,200.00

Total Salaries and Wages \$125,820.25

## Expense—

Auto Supplies .....	1,576.64
Cartage .....	50.00
Cement and Lime.....	91.43
Drugs and Medical Supplies.....	10,603.86
Dry Goods and Clothing.....	10,365.77
Electrical Supplies .....	744.50
Forage .....	32.33
Fuel and Oil.....	10,387.37
Gas .....	1,177.74
Groceries and Provisions.....	94,128.54
Horseshoeing .....	5.50
Incidentals .....	656.27
Janitor Supplies .....	2,031.85
Kitchen Supplies .....	1,368.79
Laboratory Supplies .....	209.40
Lamps .....	255.04
Liquors .....	384.25
Lumber .....	630.09
Music .....	33.00
Machinery Supplies .....	854.73
Postage .....	109.50
Paints and Oils.....	1,456.62
Photo and X-Ray Supplies.....	1,610.40
Plants and Seeds.....	273.99

Forward .....	\$ 139,037.61	\$ 9,324,126.06
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**CHARITIES AND CORRECTIONS—Continued**

Forward .....	\$ 139,037.61	\$ 9,324,126.06
Plumbing Supplies .....	391.70	
Rent of Gas Regulator.....	60.00	
Removal of Garbage.....	550.00	
Rubber Goods .....	1,001.62	
Stationery .....	1,883.88	
Sundry Repairs .....	74.15	
	<hr/>	142,998.96
Outlay—		
Furniture .....	1,376.38	
Hardware .....	2,772.60	
Electric Motor .....	28.20	
Moving Picture Outfit.....	200.00	
Food Truck Serving Trays.....	118.00	
Surgical Instruments.....	2,888.56	
	<hr/>	7,383.74
Moving Extractors S. F. Hospital.....	197.34	
	<hr/>	197.34
Total San Francisco Hospital	\$276,400.29	

**RELIEF HOME FOR AGED AND INFIRM**

## Salaries—

Superintendent .....	3,600.00	
Clerk .....	1,503.00	
Stenographer .....	1,080.00	
Nurses .....	4,874.01	
Stewards .....	6,106.66	
Matrons .....	2,550.00	
Ambulance Driver .....	960.00	
Warehouseman .....	1,200.00	
Plumber .....	1,800.00	
Foreman .....	957.00	
Watchmen .....	977.70	
Auto Driver .....	926.02	
Engineers .....	3,060.00	
Butcher .....	1,200.00	
Gardener .....	1,070.00	
Farmers .....	1,920.00	
Cooks .....	6,883.35	
Laundry Employees .....	1,642.50	
Pantryman and Orderly.....	1,200.00	
Seamstresses .....	1,200.00	
	<hr/>	
Forward .....	\$ 44,710.24	\$ 9,474,706.10

## CHARITIES AND CORRECTIONS—Continued

Forward .....	\$ 44,710.24	\$ 9,474,706.10
Milkers .....	1,080.00	
Hospital Attendant .....	378.35	
Institutional Help .....	17,171.65	
Physicians .....	3,240.00	
		66,580.24
Expense—		
Auto License .....	12.80	
Auto Repairs and Supplies.....	1,944.87	
Boiler Compound .....	450.00	
Drugs and Medical Supplies.....	3,498.23	
Dry Goods and Clothing.....	6,564.35	
Electric Supplies and Lamps.....	923.59	
Employment Bureau Relief of Unem- ployed .....	8,500.00	
Fuel .....	8,864.86	
Forage .....	5,816.17	
Groceries and Provisions.....	102,729.53	
Gas .....	237.78	
Gasoline .....	1,752.19	
Gas Regulators (Rent).....	148.35	
Horseshoeing and Clipping.....	410.25	
Incidentals .....	235.55	
Janitor Supplies .....	1,071.34	
Laundry Supplies .....	853.83	
Lime and Cement.....	929.62	
Lumber .....	1,201.02	
Postage .....	112.00	
Paints and Oils.....	767.28	
Plants and Seeds.....	473.85	
Pasturage .....	91.80	
Plumbing Supplies .....	744.17	
Repairs to Buildings.....	480.17	
Repairs to Machinery.....	906.54	
Rubber Goods .....	274.57	
Shoes and Leather.....	2,039.37	
Stationery .....	372.21	
Wagon Repairs .....	27.82	
Water .....	1,850.58	
		154,284.69
Outlay—		
Automobiles .....	890.00	
Furniture .....	932.38	
Forward .....	\$ 1,822.38	\$ 9,695,571.03

**CHARITIES AND CORRECTIONS—Continued**

Forward .....	\$ 1,822.38	\$ 9,695,571.03
Kitchen Equipment .....	3,195.16	
Cows .....	435.00	
Dairy Stalls .....	689.90	
Harness .....	9.55	
		<u>6,151.99</u>
Construction Work—		
New Floors Relief Home.....	268.00	
Infirmary Roof Repairs.....	119.00	
		<u>387.00</u>
<b>Construction Boiler, Relief Home by Board of Public Works</b>		
Salaries—		
Draftsman .....	327.70	
Mechanical Engineer .....	370.00	
Inspector .....	50.00	
		<u>747.70</u>
Expense—		
Carfare .....	1.60	
Construction .....	1,090.00	
		<u>1,091.60</u>
Total Relief Home \$229,243.22		

**EMERGENCY HOSPITAL**

Salaries—		
Chief Surgeon .....	2,400.00	
Chief Steward .....	2,100.00	
Clerk-Stenographer .....	1,200.00	
Assistant Surgeons .....	15,842.00	
Assistant Stewards .....	21,400.00	
Nurses .....	6,912.00	
Matrons .....	2,880.00	
Seamstress .....	720.00	
Drivers of Ambulances.....	14,400.00	
		<u>67,854.00</u>
Relief for Vacations.....	3,177.25	
		<u>3,177.25</u>
Expense—		
Auto Service .....	960.00	
Auto Supplies and Repairs.....	2,620.53	
Drugs and Medical Supplies.....	2,722.25	
Dry Goods and Clothing.....	1,487.33	
Gas .....	568.62	
Equipment Replacement .....	321.97	
		<u>8,680.70</u>
Forward .....	\$ 8,680.70	\$ 9,774,980.57

**CHARITIES AND CORRECTIONS—Continued**

Forward .....	\$ 8,680.70	\$ 9,774,980.57
Ice .....	201.77	
Incidentals .....	102.91	
Provisions .....	2,484.15	
Printing and Stationery.....	543.96	
Postage .....	45.00	
Phone Service .....	41.50	
Removing Garbage .....	120.00	
Rubber Goods .....	40.58	
Laboratory Supplies .....	36.94	
Sundry Repairs .....	351.70	
		<u>12,649.21</u>
<b>Outlay—</b>		
Ambulance .....	3,000.00	
Surgical Supplies .....	1,069.38	
Laundry Machine .....	268.15	
Furniture .....	605.63	
Lamps .....	113.94	
Fire Extinguisher .....	36.72	
Tray Trucks .....	90.00	
		<u>5,183.82</u>
Potrero Emergency Hospital—Im- provements .....	648.10	
		<u>648.10</u>
Total Emergency Hospital	\$89,512.38	

**JUVENILE DETENTION HOME**

<b>Salaries—</b>		
Superintendent .....	1,500.00	
Superintendent's Assistants .....	2,040.00	
Matrons .....	1,795.16	
Laundress .....	480.00	
Nurses .....	2,476.67	
Seamstress .....	102.90	
Cook .....	600.00	
Dentist .....	140.00	
Extra Help .....	71.85	
		<u>9,206.58</u>
<b>Expense—</b>		
Drugs and Medical Supplies.....	418.26	
Dry Goods .....	534.07	
Electrical Supplies .....	47.70	
Expended through Order of Court.....	2,377.49	
		<u>3,377.52</u>
Forward .....	\$ 3,377.52	\$ 9,802,668.28

**CHARITIES AND CORRECTIONS—Continued**

Forward .....	\$ 3,377.52	\$ 9,802,668.28
Fuel .....	254.55	
Gas .....	605.52	
Garbage Removal .....	30.00	
Groceries and Provisions.....	5,290.71	
Hardware .....	334.47	
Ice .....	76.40	
Incidentals .....	150.91	
Laundry .....	25.48	
Stationery and Printing.....	478.90	
Premium on Bonds .....	119.80	
Postage .....	242.50	
Sundry Repairs .....	91.21	
		11,077.97
Outlay—		
Furniture .....	85.30	
Fire Extinguisher .....	28.00	
Surgical Instruments .....	150.68	
		263.98
Dental Supplies and Material.....	490.84	
Office Furniture .....	226.15	
Stationery .....	15.68	
Dry Goods .....	85.40	
		818.07
<b>Construction Juvenile Home</b>		
Salaries—		
Architect Services .....	1,666.85	
Mechanical Engineer .....	27.00	
Structural Engineer .....	20.00	
Building Inspectors .....	1,756.45	
Bricklayer Inspectors .....	322.00	
		3,792.30
Expense—		
Structural Steel .....	31,150.00	
Excavation .....	4,400.00	
Blue Prints .....	166.70	
General Construction .....	55,875.00	
Electrical Construction .....	1,440.00	
Heating Construction .....	1,800.00	
Plumbing Construction .....	8,025.00	
Elevator Construction .....	3,000.00	
		105,856.70
Total Construction	\$109,649.00	
Total Juvenile Detention Home	\$131,015.60	
		\$ 9,924,477.30
Forward .....		



## CHARITIES AND CORRECTIONS—Continued

## JUVENILE COURT

Forward .....		\$ 9,924,477.30
Salaries—		
Probation Officer .....	2,700.00	
Assistants .....	18,448.35	
Clerk-Stenographer .....	1,500.00	
Stenographers .....	3,060.00	
Collector .....	1,500.00	
Filing Clerk .....	600.00	
Deputies .....	2,880.00	
Legal Adviser .....	1,200.00	
Bookkeeper .....	1,080.00	
		32,968.35
Total Juvenile Court	\$32,968.35	

## WIDOWS' PENSION BUREAU

Salaries—		
Director .....	1,800.00	
Assistant Director .....	1,200.00	
Social Service Nurse.....	1,200.00	
Stenographer-Bookkeeper .....	1,080.00	
Special Clerical Service.....	228.69	
		5,508.69
Expense—		
Carfare .....	92.96	
Printing Annual Report.....	78.35	
Furniture .....	32.40	
Stationery .....	88.46	
Postage .....	50.00	
		342.17
Total Widows' Pension Bureau	\$5,850.86	
Burial of Indigent Dead.....	2,992.50	
		2,992.50
Burial of Ex-Union Soldiers and Sailors..	4,550.00	
		4,550.00

## MAINTENANCE OF MINORS IN PUBLIC INSTITUTIONS

Expense—		
Albertinum Orphanage .....	8,039.27	
Boys and Girls Aid Society.....	7,684.54	
Boys and Girls Industrial Home.....	2,781.62	
California Girls Training Home.....	1,100.35	
Forward .....	\$ 19,605.78	\$ 9,970,839.01

**CHARITIES AND CORRECTIONS—Continued**

Forward .....	\$ 19,605.78	\$ 9,970,839.01
California George Junior Republic....	4.05	
Catholic Humane Bureau.....	45,414.88	
Children's Agency .....	45,091.29	
Eureka Benevolent Society.....	11,813.68	
Fred Finch Orphanage.....	174.90	
Maud B. Booth Home.....	5,228.53	
Maria Kip Orphanage.....	363.00	
McKinley Orphanage .....	825.00	
Pajaro Valley Orphanage.....	743.65	
Roman Catholic Orphan Asylum.....	16,223.23	
Santa Cruz Female Orphanage.....	1,340.72	
St. Francis Girls Directory.....	112.20	
S. F. Nursery for Homeless Children	1,028.12	
S. F. Ladies' Protection and Relief Society .....	1,663.18	
St. Mary's Orphanage.....	2,716.41	
St. Vincent's Asylum.....	14,754.37	
The Infant's Shelter.....	199.65	
The Presbyterian Orphanage.....	324.82	
The True Love Home.....	55.00	
The Florence Crittenden Home.....	316.88	
		<hr/> 168,004.34

**MAINTENANCE OF DELINQUENT MINORS**

## Expense—

Magdalen Asylum .....	3,070.50	
State School for Girls (Whittier).....	1,379.72	
State School for Boys (Whittier).....	291.65	
State School for Boys (Preston).....	6,220.94	
		<hr/> 10,962.81

**WIDOWS' PENSION FOR AID OF ORPHANS AND  
HALF-ORPHANS**

## Expense—

Catholic Humane Bureau.....	57,164.24	
Children's Agency .....	47,307.41	
Eureka Benevolent Society.....	6,521.55	
		<hr/> 110,993.20
Care of Feeble Minded Children at Glen Ellen .....	31,910.00	
		<hr/> 31,910.00
Total Maintenance of Minor Children	\$321,870.35	
		<hr/> \$10,292,709.36
Forward .....		

**RECREATION  
PLAYGROUNDS**

Forward .....		\$10,292,709.36
Salaries—		
Superintendent .....	900.00	
Secretary .....	1,800.00	
Stenographer .....	1,200.00	
Directors of Playgrounds.....	16,555.00	
Caretakers of Playgrounds.....	2,980.00	
Gardeners .....	6,516.00	
Swimming Instructors .....	1,309.34	
Substitutes .....	3,232.50	
Architects' Services .....	533.55	
Mechanics .....	2,372.00	
Professional Services .....	1,000.12	
Laborers .....	5,826.00	
	<hr/>	44,224.51
Expense—		
Advertising .....	16.63	
Auto Supplies and Repairs.....	1,182.39	
Blacksmithing and Tool Repairs.....	105.25	
Blue Prints .....	70.00	
Cartage .....	86.19	
Cement and Lime.....	423.05	
Disinfectants and Chemicals.....	386.59	
Dry Goods .....	1,187.12	
Electric Material .....	191.59	
Fuel Oil .....	38.69	
Gas and Electricity.....	539.99	
Glass and Glazing.....	125.37	
Incidentals .....	116.61	
Loam and Clay.....	342.00	
Laundry .....	625.45	
Lumber .....	426.34	
Music .....	44.30	
Photo Supplies .....	31.00	
Paints and Oils.....	648.12	
Postage .....	78.25	
Plumbing Material .....	1,069.21	
Printing and Stationery.....	230.93	
Rent of Piano.....	84.75	
	<hr/>	
Forward .....	\$ 8,049.82	<hr/> \$10,336,933.87

**RECREATION—Continued**

Forward .....	\$ 8,049.82	\$10,336,933.87
Rock, Sand, etc. ....	97.98	
Rubber Goods .....	229.43	
Teaming .....	1,391.22	
Towel Service .....	75.00	
Scavenger Service .....	88.70	
Sign Painting .....	45.25	
Water .....	3,350.08	
		<hr/> 13,327.48
Outlay—		
Construction of Playgrounds.....	16,504.61	
Flags and Poles.....	87.50	
Furniture .....	298.45	
Sporting Goods .....	2,858.13	
Wire Fence .....	1,269.91	
Hardware .....	1,234.50	
		<hr/> 22,253.10
Total Playgrounds	\$79,805.09	

**CELEBRATIONS**

Observance of 4th of July.....	2,500.00	
Observance of Memorial Day.....	500.00	
		<hr/> 3,000.00
Municipal Concerts .....	9,999.45	
		<hr/> 9,999.45
Total Celebrations	\$12,999.45	

**PARK COMMISSION**

## Salaries—

Superintendent .....	5,700.00	
Secretary .....	2,100.00	
Accountant .....	1,500.00	
Stenographer .....	1,020.00	
Clerk .....	1,200.00	
Chauffeur .....	1,500.00	
Keepers .....	6,594.52	
Surveyors .....	2,678.50	
Foremen .....	43,661.65	
Engineers and Firemen.....	9,144.00	
Curator .....	2,100.00	
Museum Employees .....	10,059.65	
		<hr/>
Forward .....	\$ 97,258.32	\$10,385,513.90

**RECREATION—Continued**

Forward .....	\$ 97,258.32	\$10,385,513.90
Employees Children's Quarters.....	8,400.60	
Gardeners .....	14,409.05	
Apprentices .....	2,035.90	
Carpenters .....	2,439.00	
Painters .....	3,532.50	
Teamsters .....	16,423.25	
Motor Truck Drivers.....	2,055.05	
Stablemen .....	3,117.00	
Cement Finishers .....	2,367.70	
Lavatory Employees .....	3,350.75	
Laborers .....	156,256.48	
Blacksmith .....	1,993.00	
Steam Fitter .....	1,073.40	
		304,714.00
<b>Expense—</b>		
Advertising .....	10.93	
Ammunition .....	354.19	
Auto Supplies and Repairs.....	1,520.87	
Blue Prints .....	8.10	
Boiler Compound .....	500.02	
Cement and Lime.....	261.28	
Concrete Work .....	509.60	
Confectionary and Soda.....	6,923.01	
Cordage .....	183.88	
Concerts, Musical .....	10,975.38	
Crockery and Glassware.....	308.75	
Drugs .....	497.85	
Dry Goods .....	309.24	
Electric Supplies .....	290.99	
Forage .....	11,456.93	
Freight .....	28.41	
Flags .....	61.00	
Fertilizers .....	483.75	
Farming Implements and Hardware....	5,215.25	
Fuel and Fuel Oil.....	3,118.25	
Gasoline .....	856.93	
Gas and Electricity.....	3,869.81	
Groceries and Provisions.....	9,474.23	
Harness .....	445.94	
Hose .....	957.00	
Hauling .....	2,277.07	
Forward .....	\$ 60,898.66	\$10,690,227.90

**RECREATION—Continued**

Forward .....	\$ 60,898.66	\$10,690,227.90
Insurance .....	62.50	
Incidentals .....	5,686.03	
Laundry .....	484.43	
Lumber .....	3,064.75	
Loam and Clay.....	3,871.43	
Machinery .....	1,064.30	
Oils (Crude) .....	1,450.56	
Paints and Oils.....	1,655.05	
Paper .....	159.13	
Plants and Seeds.....	3,105.12	
Plumbing .....	2,429.01	
Printing and Stationery.....	1,267.59	
Rocks and Gravel.....	1,579.78	
Roofing .....	87.61	
Rent of Stables.....	16.00	
Sewer Pipe .....	175.10	
Veterinary Services .....	436.59	
Water .....	20,659.29	
		<hr/>
		108,152.93
<b>Outlay—</b>		
Animals .....	240.00	
Fountains .....	238.50	
Furniture .....	128.28	
Garbage Cans .....	168.00	
Marble Work .....	786.00	
Metal Work .....	1,138.50	
Oil Paintings .....	9,944.50	
Organ .....	498.00	
Sporting Goods .....	299.99	
Surveyors' Instruments .....	31.07	
Wire Fence .....	848.39	
Truck for Merry-Go-Round.....	225.00	
		<hr/>
		14,546.23
<b>Total Park Commission \$427,413.16</b>		
		<hr/>
<b>Forward .....</b>		<b>\$10,812,927.06</b>

**EDUCATION**

Forward .....		\$10,812,927.06
Salaries—Administration:		
Superintendent .....	3,999.96	
Deputy Superintendents .....	14,964.00	
School Directors .....	11,976.00	
Chauffeur .....	1,500.00	
Secretary .....	1,800.00	
Clerk Stenographer .....	1,800.00	
Financial Secretary .....	2,280.00	
Recording Secretary .....	2,100.00	
Stenographers .....	3,838.50	
Telephone Operator .....	1,104.00	
Messengers .....	2,404.50	
Expert Accountant .....	150.00	
		47,916.96
Janitors .....	116,741.60	
		116,741.60

**SHOP AND SUPPLY DEPARTMENT**

Salaries—		
Scavenger .....	4,680.00	
Storekeeper and Assistants.....	2,880.00	
Supply Department Bookkeeper.....	1,680.00	
Superintendent of Buildings.....	2,100.00	
Mechanics and Labor.....	14,731.75	
Water and Gas Inspector.....	1,500.00	
		27,571.75

**COMPENSATION OF TEACHERS IN PRIMARY  
AND GRAMMAR DAY SCHOOLS**

Salaries—		
Adams .....	21,477.10	
Agassiz .....	22,200.30	
Andrew Jackson .....	2,067.65	
Balboa .....	20.00	
Bay View .....	18,277.10	
Bernal .....	22,296.60	
Bryant .....	22,560.05	
Buena Vista .....	7,889.40	
Burnett .....	14,046.60	
Forward .....		\$11,005,157.37

**EDUCATION—Continued**

Forward .....	\$11,005,157.37
Cleveland .....	14,289.35
Columbia .....	25,429.80
Columbus .....	7,439.15
Cooper .....	24,103.70
Crocker .....	21,898.80
Daniel Webster .....	11,170.75
Denman .....	15,756.60
Detention Home .....	1,172.90
Douglass .....	13,629.60
Dudley Stone .....	15,579.85
Edison .....	17,826.10
Emerson .....	15,785.90
Ethan Allen .....	4,936.00
Everett .....	23,232.00
Fairmont .....	31,495.15
Farragut .....	12,731.25
Franklin .....	17,907.45
Francis Scott Key.....	8,558.60
Fremont .....	18,366.70
Garfield .....	21,588.00
Glen Park .....	20,393.55
Golden Gate .....	17,236.80
Grant .....	13,639.40
Grattan .....	23,063.10
Haight .....	17,195.05
Hamilton .....	23,027.65
Hancock .....	22,076.10
Harrison .....	3,923.00
Hawthorne .....	11,952.30
Hearst .....	20,186.90
Henry Durant .....	16,191.55
Horace Mann .....	29,326.00
Hunters Point .....	1,427.15
Irving M. Scott.....	13,718.55
James Lick .....	20,109.20
Jean Parker .....	21,297.65
Jefferson .....	8,285.90
John Swett .....	22,525.25
Junipero Serra .....	22,462.35
Kate Kennedy .....	17,007.15
Forward .....	\$11,005,157.37



**EDUCATION—Continued**

Forward .....		\$11,005,157.37
Kindergarten .....	3,429.00	
Lafayette .....	7,538.00	
Laguna Honda .....	23,254.20	
Le Conte .....	2,106.75	
Lincoln .....	12,758.10	
Longfellow .....	10,604.45	
Madison .....	17,621.20	
Mission Grammar .....	19,163.80	
Marshall .....	18,939.15	
McCoppin .....	22,684.25	
McKinley .....	21,979.10	
Monroe .....	29,876.80	
Moulder .....	7,125.65	
Noe Valley .....	20,928.85	
Oriental .....	15,150.60	
Pacific Heights .....	18,470.95	
Patrick Henry .....	11,300.70	
Parkside .....	2,136.00	
Paul Revere .....	635.15	
Peabody .....	12,854.20	
Portola .....	17,362.90	
Redding .....	13,701.85	
Rincon .....	1,996.70	
Rochambeau .....	18,975.15	
Roosevelt .....	19,479.55	
Sheridan .....	17,909.30	
Sherman .....	14,754.90	
Spring Valley .....	21,033.60	
Starr King .....	9,747.20	
Sunnyside .....	6,789.20	
Sutro .....	21,147.75	
Visitacion .....	10,014.35	
		<hr/>
		1,250,256.40
Ungraded Primary .....	1,492.00	
Washington .....	23,792.45	
Washington Irving .....	12,072.75	
Winfield Scott .....	9,669.15	
Yerba Buena .....	14,563.60	
		<hr/>
		61,589.95
Forward .....		\$12,317,003.72

**EDUCATION—Continued****PRIMARY AND GRAMMAR EVENING SCHOOLS**

Forward .....		\$12,317,003.72
Bernal .....	551.50	
Commercial .....	12,781.50	
Hamilton .....	5,583.95	
Horace Mann .....	7,000.40	
Jean Parker .....	1,141.35	
Lincoln .....	5,745.25	
Monroe .....	648.00	
North Beach .....	768.00	
Navigation .....	865.85	
Portola .....	660.00	
Roosevelt .....	432.00	
Sherman .....	1,322.30	
Sheridan .....	600.35	
Washington .....	5,879.35	
		<hr/>
		43,979.80

**HIGH SCHOOLS**

Girls .....	42,875.60	
Humboldt .....	28,294.90	
Lowell .....	62,578.20	
Mission High .....	35,957.60	
Polytechnic .....	56,314.50	
High School of Commerce.....	46,747.35	
		<hr/>
		272,768.15

**DEPARTMENT AT LARGE**

Home Economics .....	12,958.65	
Manual Training .....	15,541.00	
Music .....	4,309.40	
Drawing .....	5,382.05	
Physical Culture .....	1,171.20	
Athletics .....	11,951.50	
Social Center .....	1,896.50	
Lectures .....	30.25	
		<hr/>
Substitutes .....	65,201.75	
		<hr/>
		53,240.55
		<hr/>
		65,201.75
Expert Examiners—Teachers' Examination .....	225.00	
		<hr/>
		225.00
Forward .....		<hr/>
		\$12,752,418.97

**EDUCATION—Continued**

Forward .....		\$12,752,418.97
Teachers' Contribution—Pension Fund	16,570.00	
	<hr/>	16,570.00
Teachers' Institute Fund Expense.....	1,162.00	
Teachers' Institute Books, Sundries....	226.65	
	<hr/>	1,388.65
Expense—		
Advertising .....	123.04	
Adding Machine .....	294.00	
Automobile .....	850.00	
Auto Repairs .....	185.63	
Auto License .....	15.20	
Athletic and Social Center Equipment and Supplies .....	2,625.84	
Books .....	5,122.09	
Carfare .....	362.81	
Cartage .....	1,845.92	
Cabinets and Furniture.....	21,731.42	
Clocks .....	1,282.90	
Cordage .....	424.95	
Dry Goods and Millinery.....	1,392.69	
Expense to Teachers' Convention.....	126.95	
Fuel and Oil.....	17,685.31	
Flags .....	151.88	
Gas and Electricity.....	8,708.24	
Groceries .....	2,667.36	
Hardware and Electric Material.....	3,637.65	
Incidentals .....	658.42	
Insurance .....	878.55	
Janitors' Supplies and Window Clean- ing .....	9,089.19	
Kindergarten Supplies .....	1,603.90	
Lumber .....	3,909.30	
Laboratory Supplies .....	3,447.41	
Livery and Auto Service.....	960.00	
Printing and Stationery.....	24,331.41	
Pianos .....	2,262.75	
Plans for Fire Escapes.....	222.80	
Piano Repairs .....	169.84	
Paints .....	593.22	
Rents .....	1,595.60	
	<hr/>	
Forward .....	\$ 118,956.27	\$12,770,377.62

**EDUCATION—Continued**

Forward .....	\$ 118,956.27	\$12,770,377.62
Sundry Repairs .....	1,862.76	
Sewing Machines .....	350.00	
Typewriters .....	250.10	
Water .....	12,408.47	
	<hr/>	133,827.60

**EQUIPMENT POLYTECHNIC HIGH SCHOOL**

Mechanics and Labor.....	293.50	
	<hr/>	293.50
Baskets .....	109.88	
Brushes .....	78.90	
Books .....	556.13	
Casts of Plaster.....	771.19	
Cafeteria Equipment .....	1,280.00	
Cash Register .....	199.50	
Cabinets and Furniture.....	27,552.51	
Cartage .....	367.06	
Charts and Maps.....	391.35	
Drawing Material .....	1,683.91	
Dress Forms and Models.....	415.93	
Dry Goods .....	166.62	
Electric Supplies .....	653.39	
Express Charges .....	11.98	
Engine Supplies .....	604.64	
Glass Lights .....	55.00	
Hardware .....	3,792.48	
Laboratory Supplies .....	7,749.19	
Loam .....	41.00	
Lumber .....	535.49	
Mathematical Instruments .....	156.60	
Machinery and Machine Tools.....	3,092.65	
Motor .....	683.00	
Neostyles .....	46.50	
Piano .....	325.00	
Paints and Oils.....	168.17	
Phonographs .....	178.50	
Plumbing Supplies .....	898.52	
Photo Supplies .....	614.00	
Physical Apparatus .....	1,569.71	
Repairs to Drum.....	60.16	
Stationery and Filing Supplies.....	440.58	
	<hr/>	
Forward .....	\$ 55,249.54	\$12,904,498.72

**EDUCATION—Continued**

Forward .....	\$ 55,249.54	\$12,904,498.72
Sewing Machines .....	434.20	
Steel Lockers .....	3,256.00	
Typewriter .....	50.00	
Automobile .....	675.00	
	<hr/>	59,664.74
Linoleum Polytechnic High School.....	14,880.00	
	<hr/>	14,880.00

**COMPLETION POLYTECHNIC HIGH SCHOOL**

Inspectors .....	443.80	
	<hr/>	443.80
Expense—		
Construction .....	33,054.25	
Blue Print Paper .....	67.90	
Carpenter Work .....	305.00	
Electrical Wiring .....	7,340.00	
Extra Concrete Work.....	27.60	
Hardware .....	4,923.00	
Heating and Ventilation.....	3,010.00	
Plumbing .....	7,761.00	
Table .....	90.00	
	<hr/>	56,578.75

**REPAIRS TO SCHOOL BUILDINGS**

Salaries—		
Carpenters .....	21,382.75	
Cement Finishers .....	9,929.00	
Glaziers .....	2,523.75	
Painters .....	15,125.75	
Plumbers .....	12,954.50	
Tinners .....	9,336.00	
Wiremen .....	605.85	
Locksmith .....	1,500.00	
Laborers .....	1,833.00	
Side Sewer Men.....	303.90	
Teams .....	3,752.77	
	<hr/>	79,247.27
Expense—		
Asphalt .....	871.00	
Boiler Repairs .....	386.79	
Carfare .....	943.80	
Cement, Sand and Rock.....	2,408.99	
	<hr/>	
Forward .....	\$ 4,610.58	\$13,115,313.28

**EDUCATION—Continued**

Forward .....	\$ 4,610.58	\$13,115,313.28
Chimneys .....	620.00	
Electric Supplies .....	531.32	
Glass .....	2,057.75	
Gasoline .....	67.70	
Hardware .....	6,370.30	
Lumber .....	13,676.47	
Paints and Oils.....	5,402.16	
Plumbing Supplies .....	3,661.14	
Roofing .....	2,366.21	
Steel .....	190.08	
Sundry Repairs .....	570.06	
Spring Valley Water Pipe.....	166.73	
New Side Sewers.....	47.28	
		<hr/>
Total Repairs \$119,585.05		40,337.78

**REDDING SCHOOL (CONSTRUCTION)**

## Salaries—

Architect Services .....	5,310.13
Carpenters .....	333.90
Laborers .....	107.25
Plumbers .....	39.00
Teams .....	92.50
Tinners .....	18.00
Inspectors .....	953.03
Bricklayers .....	357.00

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7,210.81

## Expense—

Blue Print Paper.....	161.15
Typing Specifications .....	31.02
Hardware .....	5.52
Lumber .....	66.63
Plumbing Supplies .....	9.11
New Side Sewer .....	50.60
Construction .....	54,504.60

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54,828.63

Total \$62,039.44

**DANIEL WEBSTER SCHOOL**

## Outlay—

Architect Services .....	4,583.97
Blue Print Paper.....	92.40

Forward .....	\$ 4,676.37	\$13,217,690.50
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**EDUCATION—Continued**

Forward .....	\$ 4,676.37	\$13,217,690.50
Purchase Land .....	53,907.50	
Appraisalment .....	500.00	
Title Insurance .....	379.50	
Total \$59,463.37		59,463.37

**PURCHASE OF LAND BOARD OF EDUCATION**

Land .....	6,650.00	
Title Insurance .....	80.00	
		6,730.00

**LAND FOR ADAMS, FREMONT AND HANCOCK SCHOOLS**

Adams School—		
Purchase Land .....	24,750.00	
Appraising and Title Insurance...	580.00	
Taxes .....	198.88	
		25,528.88
Fremont School—		
Purchase Land .....	3,300.00	
Title Insurance .....	33.50	
		3,333.50
Hancock School—		
Purchase Land .....	15,500.00	
Appraising .....	55.00	
		15,555.00
Total for Adams, Fremont and Hancock Schools \$44,417.38.		

**DEMANDS AUDITED AND PAID OUT OF GENERAL FUND**

Removing and Reconstructing School Buildings Pine and Larkin		
Mechanics and Labor.....	774.10	774.10
Auto Supplies, Superintendent of Schools....	33.50	
Auto License, Superintendent of Schools .....	14.40	
Traveling Expenses, Superintendent of Schools .....	534.88	
Furniture, Superintendent of Schools..	497.50	
Premium on Bonds.....	62.50	
Total Schools \$2,517,291.07		1,142.78
Forward .....		\$13,330,218.13

## EDUCATION—Continued

## LIBRARY FUND

Forward .....		\$13,330,218.13
Salaries—		
Librarian .....	3,000.00	
Secretary .....	3,000.00	
Assistant Secretary .....	1,136.45	
Branch Superintendent .....	1,180.00	
Stenographer .....	1,080.00	
Librarians, Branches .....	7,096.10	
Office Assistants .....	18,870.20	
Keepers and Assistants.....	6,011.05	
Pages .....	3,053.95	
Cataloguers .....	4,070.90	
Helpers .....	40.30	
Book Repairers .....	1,029.70	
Special Officer .....	1,020.00	
Messenger .....	902.50	
Curators .....	3,808.50	
		<hr/>
		55,299.65
Expense—		
Auto Supplies and Repairs.....	658.43	
Binding Books and Binders.....	8,651.50	
Catalogue Cards .....	400.00	
Cleaning Supplies .....	438.60	
Dues .....	10.00	
Electric Supplies .....	212.40	
Fuel .....	829.46	
Gas .....	61.54	
Gasoline .....	88.65	
Insurnace .....	870.60	
Incidentals .....	1,221.80	
Plumbing Supplies .....	59.97	
Printing and Stationery.....	3,224.23	
Rent of Branches.....	1,845.00	
Rubber Goods .....	29.75	
Subscription to Papers.....	404.58	
Sundry Repairs .....	279.65	
Towel Service .....	72.00	
Water .....	705.43	
		<hr/>
		20,063.61
Forward .....		<hr/>
		\$13,405,581.39



**EDUCATION—Continued**

Forward .....		\$13,405,581.39
Outlay—		
Books .....	28,268.29	
Cabinets .....	733.45	
Furniture .....	1,739.38	
Fire Extinguisher .....	75.60	
Lamps .....	305.69	
Typewriting Machine .....	83.50	
		<u>31,205.91</u>
Total Library Fund \$106,569.17		

**MISCELLANEOUS ACCOUNTS**

Expense, Collection of Coupons at New York .....	1,068.95	
Expense, Premium on Bonds, Crocker National Bank, New York.....	1,794.45	
Miscellaneous Printing, Typing and Adding Machines .....	3,715.65	
Printing License Blanks, etc. ....	4,897.36	
		<u>11,476.41</u>
Forward .....		\$13,448,263.71

**PUBLIC UTILITIES****CONDEMNATION SPRING VALLEY WATER CO.'S  
SUIT**

Forward .....		\$13,448,263.71
Salaries—		
Engineers' Services .....	29,242.62	
Expert Hydrographer .....	200.00	
Stenographers .....	3,160.50	
Accountants .....	3,271.00	
Draftsman .....	285.00	
		<u>36,159.12</u>
Expense—		
Abstract .....	20.35	
Auto Hire .....	61.00	
Appraisements and Securing Data.....	13,290.35	
Court Fees .....	34.10	
Reporting and Transcribing Testimony for Use of Counsel.....	12,380.75	
Heater .....	5.50	
Livery .....	40.50	
Maps .....	34.53	
Rent of Security Box.....	5.50	
Rent of Typewriter.....	69.50	
Rent of Calculating Machine.....	78.50	
Rent of Office.....	65.50	
Stationery .....	531.77	
Typewriting Machine .....	83.03	
		<u>26,700.88</u>
Total Condemnation Spring Valley Water Company's Suit \$62,860.00		

**EXTENSION MUNICIPAL WATER WORKS**

Salaries—		
Engineer .....	825.00	
Draftsmen .....	65.80	
Inspector .....	160.00	
Mechanics and Labor.....	18.00	
Watchman .....	90.00	
		<u>1,158.80</u>
Forward .....		\$13,512,282.51

**PUBLIC UTILITIES—Continued**

Forward .....		\$13,512,282.51
Outlay—		
Carfare and Incidentals.....	133.52	
Pumps .....	349.00	
Distributing System (Installing).....	4,725.77	
	<hr/>	5,208.29
Total \$6,367.09		

**WATER WORKS FUND**

Salaries—		
Engineers .....	1,737.50	
Inspector .....	1,035.00	
Clerk .....	157.50	
Quarry Driller .....	522.00	
Serviceman .....	972.00	
	<hr/>	4,424.00
Expense—		
Hardware .....	601.87	
Horse Hire .....	144.25	
Electric Current .....	1,576.80	
Machinery and Pipe.....	291.23	
Teaming .....	887.25	
Printing .....	8.30	
Rebate Service Connection.....	20.00	
	<hr/>	3,529.70
Total \$7,953.70		

**MUNICIPAL RAILWAY**

Salaries—		
Superintendent .....	4,999.81	
Assistants .....	4,500.00	
Adjuster .....	3,000.00	
Master Mechanic .....	2,100.00	
Cashier Clerk .....	1,500.00	
Clerks .....	19,395.90	
Stenographers .....	3,356.45	
Expert Accountant .....	1,291.00	
Telephone Operator .....	1,152.17	
Armature Maker .....	588.95	
Blacksmiths .....	5,423.85	
Carpenters .....	2,874.70	
Draftsmen .....	3,819.40	
	<hr/>	
Forward .....	\$ 54,002.23	\$13,525,444.50

**PUBLIC UTILITIES—Continued**

Forward .....	\$ 54,002.23	\$13,525,444.50
Electric and Civil Engineers.....	3,748.20	
Foremen .....	1,932.85	
Janitor .....	1,080.00	
Laborers .....	2,541.45	
Linemen and Wiremen .....	10,251.50	
Machinists .....	3,191.40	
Painters .....	15,609.20	
Repairers of Cars.....	45,039.85	
Trackmen .....	64,804.20	
Teamster .....	858.15	
Inspectors .....	26,528.05	
Conductors .....	311,593.60	
Motormen .....	296,539.55	
		<u>837,720.23</u>

**Expense—**

Auto Hire .....	638.79	
Axle Collars .....	433.32	
Brake Shoes .....	10,231.38	
Brushes .....	181.82	
Basalt Blocks .....	319.74	
Burial of Ricardo Maria.....	60.00	
Car Repairs and Equipment.....	9,714.39	
Cement .....	1,350.64	
Compensation for Damages.....	11,176.35	
Drugs and Chemicals.....	454.33	
Electric Supplies .....	6,578.21	
Electric Power .....	264,567.67	
Engine Supplies .....	532.08	
Flags and Signals.....	103.07	
Furniture .....	455.90	
Fuel .....	365.60	
Forage .....	384.62	
Freight .....	10.30	
Garbage Removal .....	126.35	
Glass .....	422.66	
Gas .....	454.19	
Gasoline .....	262.19	
Hardware .....	3,568.27	
Horseshoeing .....	115.50	
Harness and Leather.....	152.21	
		<u>312,659.58</u>
Forward .....	\$ 312,659.58	\$14,363,164.73

## PUBLIC UTILITIES—Continued

Forward .....	\$ 312,659.58	\$14,363,164.73
Lamps .....	213.06	
Contingent Expense and Incidentals....	3,699.83	
Iron and Steel.....	3,231.24	
Repairing Streets .....	40.75	
Janitor Supplies .....	1,216.44	
Detective Service .....	247.10	
Legal Expenses .....	2,934.38	
Livery .....	41.00	
Lumber .....	678.64	
Machinery .....	581.54	
Printing and Stationery.....	8,050.40	
Premium on Insurance.....	621.64	
Postage .....	280.00	
Paper .....	257.60	
Paints and Oils.....	7,871.94	
Pasturage .....	66.00	
Rebate on Taxes.....	549.70	
Rents .....	1,279.00	
Register Repairs .....	24.00	
Repairs to Tracks.....	6,699.47	
Rubber Goods .....	271.57	
Springs .....	235.72	
Transfers Redeemed .....	18,658.11	
Telephone Service .....	597.65	
Teaming .....	3,940.75	
Trolley Frogs .....	1,268.57	
Terminal Expenses at Ferry.....	1,855.11	
Veterinary Service .....	101.00	
Water .....	2,064.57	
Lease of Land.....	144.44	
		<hr/> 380,370.80
Outlay—		
Armature Coils .....	397.50	
Adding Machine .....	665.00	
Appraisement of Land.....	271.50	
Purchase of Land.....	59,660.00	
Watch .....	32.00	
Wire and Cable.....	3,094.40	
		<hr/> 64,120.40
Total Municipal Railway	\$1,282,211.43	
Forward .....		<hr/> \$14,807,655.73

**PUBLIC UTILITIES—Continued****Municipal Railway Investment and Depreciation Fund**

Forward .....		\$14,807,655.73
Depreciation Fund Purchase of Bonds	135,158.62	
	<hr/>	135,158.62
Investment Fund Purchase of Matured		
Bonds .....	138,878.38	
	<hr/>	138,878.38
Forward .....		<hr/>
		\$15,081,692.93

**PUBLIC TRUST FUNDS**

Forward .....		\$15,081,692.93
Police Relief and Pension Fund—		
Salary of Secretary.....	600.00	
Pensions of Retired Officers.....	101,939.90	
Contribution Returned .....	3,394.00	
Rewards to Officers.....	240.00	
Medical Examinations .....	100.00	
	<hr/>	106,273.90
Firemen's Relief and Pension Fund—		
Salary of Secretary.....	600.00	
Pensions of Retired Firemen.....	107,283.01	
	<hr/>	107,883.01
Robinson Bequest Fund—		
Money Advanced on Securities.....	40,000.00	
	<hr/>	40,000.00
Robinson Bequest Interest Fund—		
Charitable Contributions .....	1,644.45	
	<hr/>	1,644.45
Windel Bequest Interest Fund—		
Charitable Contributions .....	800.00	
	<hr/>	800.00
Total Public Trust Funds \$256,601.36		
Forward .....		\$15,338,294.29

**PRIVATE TRUST FUNDS—MONEYS REFUNDED**

Forward .....		\$15,338,294.29
Absent Heirs' Fund—Money Paid by Order of Court.....	440.92	
Absent Creditors' Fund—Money Paid by Order of Court.....	12.50	
County Clerk's Special Fund—Money Paid by Order of Court.....	110,572.40	
Bail Money—Money Paid by Order of Court .....	714,690.00	
Duplicate Taxes .....	5,022.20	
House Moving Fund, Dept. of Public Works .....	2,000.00	
House Moving Fund, Dept. Electricity	413.15	
Special Permit Fund.....	46,521.00	
Special Badge Fund.....	780.00	
State Institution Taxes—Money Paid to State of California.....	1,261,111.50	
Overpayment Corporation Taxes.....	6.00	
Excavation Funds .....	5,426.45	
Tearing Up Street Fund Refunds.....	23,835.20	
		<hr/>
		2,170,831.32
		<hr/>
Forward .....		\$17,509,125.61



**MISCELLANEOUS REFUNDS**

Forward .....		\$17,509,125.61
Money Paid in Error and Refunded—		
Board of Health Fees.....	10.00	
County Clerk Fees.....	12.00	
Coroner, Money Found on De-		
ceased Persons .....	115.10	
Forfeited Bail Money.....	262.00	
Fines of Police Court.....	210.00	
Fines for Violating State Ordin-		
ances .....	5,552.50	
Overpayment by Juvenile Court....	49.75	
Sheriff's Fees .....	94.20	
Supervisors' Fees .....	382.00	
Tax Collector's License.....	10.50	
Taxes Paid in Error.....	1,694.07	
Taxes Uncollectible—Cancelled by		
Tax Collector .....	539.19	
		<hr/>
		8,931.31
		<hr/>
Forward .....		\$17,518,056.92

### TEARING UP STREETS FUND

Forward .....		\$17,518,056.92
Salaries—		
Clerks .....	1,650.00	
Inspectors .....	2,400.00	
Sidesewermen .....	25,309.10	
		29,359.10
Expense—		
Repairs to Trenches .....	6,410.35	
Hardware .....	148.05	
Hauling .....	13.05	
Lamps .....	36.52	
Lumber .....	405.98	
Livery .....	480.00	
Oil .....	21.91	
Rubber Goods .....	24.30	
Teaming .....	2,379.00	
Tools and Repairs.....	209.99	
		10,129.15
Refund on Street Permits \$23,835.20 (See Refund)		
Total Tearing Up Street Fund \$39,488.25		
Forward .....		\$17,557,545.17
Forward .....		

**BOND INTEREST AND REDEMPTION FUND****INTEREST ACCOUNT**

Forward .....		\$17,557,545.17
School Bonds 1904.....	23,679.25	
Street Bonds 1904.....	19,138.00	
Jail Bonds 1904.....	3,349.50	
Library Bonds 1904.....	29,071.00	
Playgrounds Bonds 1904.....	19,213.25	
Park Extension Bonds 1904.....	8,466.50	
Mission Park Bonds 1904.....	7,537.25	
Fire Protection Bonds 1908.....	258,275.00	
Sewer Bonds 1908.....	197,375.00	
School Bonds 1908.....	236,600.00	
Hospital Bonds 1908.....	87,125.00	
Hall of Justice Bonds 1908.....	40,975.00	
Garbage Bonds 1908.....	32,900.00	
Geary St. Bonds 1910.....	82,642.50	
Market St. Bonds 1910.....	3,195.00	
Polytechnic High School Bonds 1910..	24,795.00	
Hetch Hetchy Bonds 1910.....	79,605.00	
City Hall Bonds 1912.....	440,225.00	
Exposition Bonds 1912.....	131,525.00	
Municipal Railway Bonds 1913.....	200,812.50	
Hospital and Jails Bonds 1913.....	48,487.50	
		<hr/>
		1,974,992.25

**REDEMPTION**

Sewer Bonds 1904.....	181,200.00	
School Bonds 1904.....	89,800.00	
Street Bonds 1904.....	40,500.00	
Jail Bonds 1904.....	17,400.00	
Library Bonds 1904.....	41,100.00	
Playground Bonds 1904.....	18,500.00	
Park Extension Bonds 1904.....	8,200.00	
Mission Park 1904.....	7,300.00	
Sewer Bonds 1908.....	100,000.00	
School Bonds 1908.....	200,000.00	
Hospital Bonds 1908.....	100,000.00	
Hall of Justice Bonds 1908.....	50,000.00	
Garbage Bonds 1908.....	50,000.00	
		<hr/>
Forward .....		\$19,532,537.42

**BOND INTEREST AND REDEMPTION FUND—Continued**

Forward .....		\$19,532,537.42
Geary St. Bonds 1910.....	95,000.00	
Market St. Bonds 1910.....	6,000.00	
Polytechnic High School Bonds 1910....	25,000.00	
Exposition Bonds 1912.....	6,000.00	
Hospital and Jail Bonds 1913.....	100,000.00	
	<hr/>	1,136,000.00
<b>Total Bond Interest Redemption Fund</b>	<b>\$3,110,992.25</b>	
Forward .....		<hr/> \$20,668,537.42

**MUNICIPAL BOND FUNDS****PUBLIC BUILDING SCHOOL BONDS 1904**

Forward .....		\$20,668,537.42
Construction McKinley School.....	955.00	
Construction Glen Park School.....	132.25	
Purchase of Land 22nd and Shotwell..	2,750.00	
Insurance .....	20.00	
		<u>3,857.25</u>
Total Public Building School Bonds 1904, \$3,857.25		

**PUBLIC BUILDING SCHOOL BONDS 1908**

Columbus School—Furniture and Equipment .....	194.98	
		<u>194.98</u>
Glen Park School—Furniture and Equipment .....	84.20	
		<u>84.20</u>
Washington Irving School—Furniture and Equipment .....	776.20	
		<u>776.20</u>
Oriental School— Construction .....	576.85	
Equipment .....	10,579.97	
		<u>11,156.82</u>
Cooper School— Architect .....	492.55	
Construction .....	29,804.26	
Equipment .....	4,887.00	
		<u>35,183.81</u>
Purchase of Lands San Jose Ave. and Bank St. ....	16,262.00	
		<u>16,262.00</u>
Insurance .....	205.00	
		<u>205.00</u>
Moving Building .....	110.00	
		<u>110.00</u>
Salaries— Inspectors .....	380.16	
Draftsman .....	18.65	
		<u>398.81</u>
Forward .....	\$ 398.81	<u>\$20,736,367.68</u>

**MUNICIPAL BOND FUNDS—Continued**

Forward .....	\$.....	398.81	\$20,736,367.68
Engineer .....		266.00	
Cement Finisher .....		26.75	
			691.56
Total Public Building School Bonds			
1908 \$64,664.57			

**LIBRARY BONDS 1904**

## Salaries—

Architect Services .....	13,000.00
Superintendent of Construction.....	2,132.70
Consulting Engineer .....	200.00
Clerks .....	170.05
Inspectors of Bricklaying.....	906.50

13,409.25

## Expense—

Excavating Site .....	13,588.87
Structural Steel .....	102,511.59
Granite Work .....	118,500.00
General Construction .....	136,617.00
Advertising .....	44.66

371,262.12

Total Library Bonds 1904 \$384,671.37

**SEWER BONDS 1904**

## Salaries—

Civil Engineers .....	1,315.00
Chemist .....	250.00
Draftsmen .....	249.25
Inspectors .....	1,470.00
Field Assistant .....	125.00
Engineer H. and P. ....	30.00
Appraiser .....	50.00
Insurance Policy .....	25.00

3,514.25

## Expense—

Purchase of Rights of Way.....	1,700.00
Carfare .....	7.25
Constructing Sewer Fulton St. and 48th Ave. ....	9,063.66
Constructing Sewer Foerster and Mel- rose Ave. ....	2,469.32

Forward .....	\$.....	13,240.23	\$21,125,244.86
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**MUNICIPAL BOND FUNDS—Continued**

Forward .....	\$ 13,240.23	\$21,125,244.86
Constructing Sewer 5th St., Howard to Brannan .....	66,261.90	
Constructing Sewer Bakers Beach.....	18,263.94	
Constructing Sewer North Point St., Main Sewer .....	28,552.89	
Castings .....	268.92	
	<hr/>	126,587.88

Total Sewer Bonds 1904 \$130,102.13

**SEWER BONDS 1908**

## Salaries—

Civil Engineer .....	796.25
Field Assistant .....	780.00
Chemist .....	241.65
Draftsman .....	140.05
Inspectors .....	1,637.50
Stenographer .....	25.00
Appraiser .....	50.00
Machinist .....	48.95

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3,719.40

## Expense—

Construction of Sewer Mile Rock Tun- nel .....	114,296.47
Construction of Sewer Fulton St. and 48th Ave. ....	841.88
Engine Supplies .....	52.27
Electric Supplies .....	15.22
Paints and Oils.....	2.43
Machinery .....	520.16
Rubber Boots .....	8.10
Gas .....	414.57
Rent of Motor.....	6.65
Electric Current .....	235.32
Carfare .....	14.05

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116,407.12

Total Sewer Bonds 1908 \$120,126.52

**GARBAGE BONDS 1908**

## Salaries—

Engineer Mechanical .....	900.00
Stenographer .....	77.50

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977.50

Forward .....

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\$21,372,936.76

**MUNICIPAL BOND FUNDS—Continued**

Forward .....		\$21,372,936.76
Expense—		
Carfare .....	3.30	
Copying Brief .....	100.00	
Plans .....	22.00	
		<hr/>
Total Garbage Bonds 1908 \$1,102.80		125.30

**MARKET ST. MUNICIPAL RAILROAD BONDS 1910**

Construction of Foundation Tank		
Geary St. ....	595.00	
Premium on Bond.....	20.00	
Construction of Loop Embareadero....	2,058.50	
		<hr/>
Total Market St. Municipal R. R. Bonds 1910 \$2,673.50		2,673.50

**GEARY ST. RAILWAY BONDS 1910**

Salaries—		
Civil Engineer .....	364.65	
Chemist .....	25.00	
Draftsman .....	283.35	
Inspectors .....	896.90	
Mechanical Engineer .....	198.75	
		<hr/>
Expense—		1,768.65
Asbestos .....	308.84	
Ammunition .....	8.61	
Blue Prints .....	22.00	
Bonus Paid on Car Barn.....	960.00	
Constructing Car Barn.....	26,788.62	
Concrete Work .....	116.40	
Carfare .....	5.65	
Electric Material .....	48.50	
Furniture .....	165.35	
Hand Truck .....	16.20	
Hardware .....	225.20	
Mimeograph .....	90.00	
Typewriter .....	47.48	
Tank and Tower.....	1,249.00	
		<hr/>
Total Geary St. Ry. Bonds 1910 \$31,820.50		30,051.85

Forward .....	\$21,407,556.06
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## MUNICIPAL BOND FUNDS—Continued

## HETCH HETCHY BONDS 1910

Forward .....		\$21,407,556.06
Salaries—		
Axemen .....	2,449.20	
Blacksmiths .....	2,480.90	
Bond Expert .....	870.00	
Civil Engineer .....	6,607.60	
Constructing and Consulting Engi- neers .....	7,708.58	
Cabin Builders .....	1,323.75	
Clerk .....	387.00	
Cooks .....	944.00	
Draftsmen .....	6,180.85	
Estimator .....	1,723.70	
Foremen .....	5,051.60	
Field Assistants .....	10,136.70	
Geologist .....	413.35	
Hydrographer .....	8,142.32	
Heading Drillers .....	7,548.75	
Inspectors .....	1,160.45	
Laborers .....	54,416.25	
Master Mechanic .....	166.50	
Photographers .....	286.20	
Stenographers .....	5,534.45	
Surveyors .....	2,906.00	
Timbermen and Loggers .....	4,388.97	
Services Acquiring Rights of Way.....	2,244.33	
		133,071.45
Expense—		
Abstracts .....	270.72	
Assessment .....	25.00	
Automobile .....	600.00	
Auto License .....	8.80	
Auto Services .....	689.36	
Auto Exchanged .....	275.00	
Account Depreciation of Auto.....	600.00	
Cartage and Transportation.....	12,192.06	
Cash Advanced .....	87.15	
Carfare and Engineers' Incidentals...	1,006.73	
Camp Equipment .....	3,055.41	
Clearing Reservoir Site.....	20,165.03	
Culvert Pipe .....	577.71	
Forward .....	\$ 39,552.97	\$21,540,627.51

**MUNICIPAL BOND FUNDS—Continued**

Forward .....	\$ 39,552.97	\$21,540,627.51
Cutting Timber U. S. ....	854.90	
Construction of Railroad.....	163,139.26	
Cement .....	11,029.80	
Drugs .....	88.90	
Dynamite and Powder.....	11,654.19	
Electric Supplies .....	396.89	
Expense Investigating Water Supply..	10,599.88	
Fuel .....	585.30	
Furniture .....	277.38	
Forage .....	2,188.22	
Freight Charges .....	534.40	
Groceries and Provisions.....	8,128.81	
Hardware .....	6,828.74	
Harness .....	8.23	
Horseshoeing .....	84.47	
Insurance .....	3,551.97	
Legal Expenses .....	5,510.35	
Machinery and Supplies.....	16,694.53	
Millwork .....	539.13	
Oil and Gasoline.....	566.12	
Purchase of Land.....	15,000.00	
Printing Bonds .....	700.00	
Repairs to Roads.....	1,283.23	
Rubber Goods .....	355.24	
Rent of Building.....	388.65	
Surveyors' Instruments .....	1,828.10	
Stationery .....	1,211.08	
State Ins. Compensation.....	200.00	
Tents .....	253.70	
Taxes .....	4,684.09	
Typewriter .....	47.90	
Telephones .....	58.51	
Well Boring .....	8,006.89	
Wagon Material .....	682.26	

317,514.09

Total Hetch Hetchy Bonds 1910 \$450,585.54

**CITY HALL AND CIVIC CENTER BONDS 1912**

## Salaries—

Architect Services .....	33,526.00
Appraising .....	500.00

Forward .....	\$ 34,026.00	\$21,858,141.60
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## MUNICIPAL BOND FUNDS—Continued

Forward .....	\$ 34,026.00	\$21,858,141.60
Building Inspectors .....	4,221.00	
Bricklayer Inspectors .....	882.15	
Mechanical Engineer .....	139.00	
Carpenters .....	1,253.50	
Elevator Operators .....	40.65	
Foremen .....	104.00	
Painters .....	49.00	
Plumbers .....	30.00	
Tinners .....	57.25	
Wiremen .....	15.00	
Laborers .....	334.82	
		41,152.37
Expense—		
Abstract .....	55.00	
Blue Prints .....	39.83	
Curbing .....	673.98	
Electric Clocks .....	3,934.60	
Electrical Work .....	3,027.29	
Elevators .....	22,500.00	
Fireproofing .....	13,055.34	
Freight on Stone.....	9,208.27	
Freight on Steel.....	616.20	
Fuel Oil .....	214.86	
Furniture .....	10,014.67	
Grading .....	1,932.00	
Glass and Glazing.....	14,277.25	
Granite Work .....	386,184.80	
Hardware .....	16,850.75	
Heating Plant .....	32,470.48	
Installing Pipe .....	134.00	
Iron and Bronze Work.....	89,472.69	
Interior Stone Work.....	72,643.99	
Lighting .....	527.00	
Machinery Repairs .....	125.95	
Marble Work .....	190,674.86	
Mailing Chutes .....	2,400.00	
Masonry .....	48,645.40	
Metal Work .....	71,572.37	
Millwork .....	144,296.87	
Plaza .....	1,185.65	
Forward .....		\$21,899,293.97

**MUNICIPAL BOND FUNDS—Continued**

Forward .....		\$21,899,293.97
Painting .....	25,084.61	
Plastering .....	76,899.31	
Plumbing .....	17,159.14	
Roofing .....	45,229.25	
Sewer Work .....	2,193.03	
Sign Painting .....	300.00	
Sidewalks .....	4,375.69	
Teaming .....	208.05	
Tube System .....	43,449.36	
Vaults .....	151.00	
Water Supply .....	1,264.94	
		<hr/>
		1,353,048.48
Total City Hall and Civic Center Bonds		
1912 \$1,394,200.85		

**POLYTECHNIC HIGH SCHOOL BONDS 1910**

Salaries—		
Inspector .....	19.35	
Mechanical Engineer .....	364.00	
		<hr/>
		383.35
Expense—		
Boiler .....	15,062.00	
Construction Extra Work.....	2,079.15	
Elevator Installing .....	5,100.00	
Fuel Oil .....	34.15	
Furniture .....	139.45	
Fence .....	450.00	
Lighting Fixture .....	1,500.00	
Plumbing .....	1,659.10	
		<hr/>
		26,023.85
Total Polytechnic High School Bonds 1910		
\$26,407.20		

**MUNICIPAL RAILWAY BONDS 1913**

Salaries—		
Appraising .....	700.00	
Clerks .....	202.50	
Engineers and Draftsmen.....	21,242.90	
Inspectors .....	5,439.00	
Labor and Service.....	1,395.63	
		<hr/>
		28,980.03
<hr/>		
Forward .....		\$23,307,729.68

**MUNICIPAL BOND FUNDS—Continued**

Forward .....		\$23,307,729.68
Expense—		
Auto Repairs .....	62.00	
Auto Truck .....	2,165.00	
Basalt Blocks .....	135.37	
Bonus .....	2,220.00	
Construction of Church St. Line.....	191,922.40	
Electric Current .....	203.51	
Fuel and Fuel Oil.....	134.31	
Incidentals .....	643.51	
Insurance Policy .....	1,321.90	
Motor Engines and Supplies.....	10,014.75	
Moving and Constructing Fire Build- ing .....	8,738.54	
Purchase of Cars.....	21,750.00	
Redwood Ties .....	4,889.60	
Steel Sand Bins.....	2,035.00	
Steel Lockers .....	2,820.00	
Surveyors' Supplies .....	249.69	
		249,305.58
Total Municipal Railway Bonds 1913		
\$278,285.61		

**HOSPITAL AND JAIL BONDS 1913**

Salaries—		
Architect Services .....	25,681.03	
Building Inspectors .....	3,658.90	
Mechanical Engineer .....	378.00	
Mechanics and Labor.....	3,095.87	
		32,813.80
Expense—		
Cleaning Windows .....	365.00	
Construction Pathological Hospital....	54,896.29	
Construction Refrigerator Room.....	2,451.50	
Elevators .....	11,956.03	
Extra Work Jails .....	10,060.30	
Furniture and Equipment.....	9,963.89	
General Construction Buildings.....	87,094.40	
Hospital Equipment .....	5,397.87	
Heating and Ventilating.....	3,226.00	
Harness .....	10.50	
Hardware and Electric Supplies.....	3,295.14	
Forward .....		\$23,589,849.06

**MUNICIPAL BOND FUNDS—Continued**

Forward .....		\$23,589,849.06
Moving Tubercular Hospital.....	6,516.00	
Machinery .....	3,569.00	
Medical Appliances .....	2,183.72	
Surgical Instruments .....	3,864.47	
X-Ray Apparatus .....	2,336.59	
Rock and Sand.....	272.95	
Scales .....	403.00	
Stationery .....	258.66	
Ward Carriages .....	423.30	
		<hr/>
		208,544.61
Total Hospital and Jail Bonds 1913	\$241,358.41	

**FIRE PROTECTION BONDS 1908**

Assistant Mechanical Engineer.....	138.75	
Refund of Deposits.....	480.60	
		<hr/>
		619.35
Total Fire Protection Bonds 1908	\$619.35	
		<hr/>
Grand Total of All Funds.....		\$23,799,013.02

## TAX REDEMPTIONS, FISCAL YEAR ENDING JUNE 30, 1916

Year	Taxes	Penalty on Delinquency	Costs	Interest	Penalty on Redemption	Total
1909....				22.26	31.65	53.91
1910....	2,435.00	280.64	38.00	802.24	1,222.00	4,777.88
1911....	3,812.69	65.53	19.50	980.76	1,723.59	6,602.07
1912....	6,074.89	120.61	38.00	1,131.90	2,459.58	9,824.98
1913....	11,412.34	597.28	129.50	1,273.35	3,452.32	16,864.79
1914....	47,954.69	3,450.43	557.00	1,792.67	7,013.01	60,767.80
1915....	335.51				33.56	369.07
	<u>\$72,025.12</u>	<u>\$4,514.49</u>	<u>\$782.00</u>	<u>\$6,003.18</u>	<u>\$15,935.71</u>	<u>\$99,260.50</u>

**TAX COLLECTOR'S ANNUAL REPORT OF LICENSES COLLECTED FOR FISCAL YEAR 1915-1916**

No.	Object	Amount
4,111	Apartment Houses .....	\$ 12,480.00
35	Assayers .....	355.00
9	Advertisers .....	80.00
37	Auctioneers .....	3,700.00
12	Ball and Ring Games.....	60.00
3	Baseball .....	225.00
282	Baths, Public .....	1,293.00
4,805	Billiard and Pool Tables.....	19,220.00
8	Bill Posters .....	2,625.00
155	Bowling Alleys .....	775.00
62	Brokers, Custom House .....	695.00
1,134	Brokers, Real Estate .....	6,130.00
276	Brokers, Merchandise .....	1,835.00
459	Brokers, Stock and Investment.....	3,502.00
51	Carpet Cleaning .....	510.00
12	Circus .....	695.00
41	Concerts .....	205.00
9	Concert Halls .....	634.00
66	Concealed Weapon Cards.....	198.00
2	Cycleries .....	8.00
511	Dance Halls .....	3,832.50
4	Detective Agencies .....	60.00
7,621	Dog Tags .....	11,431.50
724	Dog Tags, Duplicate .....	362.00
61	Dyeing and Cleaning.....	438.00
70	Exhibitions .....	467.00
13	Electrical Fixtures Installing.....	1,300.00
241	Electrician, Master .....	2,410.00
8	Express Agents .....	75.00
8	Gas Regulators .....	80.00
98	Guides, City .....	980.00
30	Guide Badges .....	75.00
2,487	Hotel Badges .....	10,817.00
12	House Moving .....	300.00
194	Intelligence Office .....	3,104.00
13	Itinerant Venders .....	650.00
803	Junk Dealers .....	1,025.00
1,027	Laundries .....	6,878.00
3	Light and Power Companies.....	6.00
8,020	Liquor Dealers, Retail .....	1,002,500.00



No.	Object	Amount
477	Liquor Dealers, One Day.....	4,770.00
352	Livery Stables .....	1,408.00
2,338	Lodging Houses .....	7,014.00
93	Mercantile and Collection Agents.....	975.00
6	Merry Go Round.....	60.00
169	Nickel in Slot Machines.....	299.00
340	Panorama and Kinetoscopes.....	8,500.00
184	Pawnbrokers .....	5,704.00
1,935	Peddlers' Tags .....	11,610.00
468	Peddlers' Tags (Gratuitous).....	.....
24	Petroleum, Storage of.....	240.00
5	Patent Chimneys, Erecting of.....	625.00
4	R. R. Stage Line Agents.....	40.00
1	R. R. Ticket Peddler.....	10.00
4,767	Restaurants .....	16,631.00
8	Riding Academies .....	32.00
375	Runners and Solicitors.....	3,750.00
86	Slaughterers .....	1,297.50
1,075	Second Hand Dealers.....	2,121.00
47	Shooting Galleries .....	352.50
286	Transfer and Delivery Companies.....	1,430.00
18	Theatres .....	4,368.00
26	Theatres, Ticket Scalpers.....	260.00
39	Towel Companies .....	234.00
137	Warehouses .....	2,150.00
34	Water Companies .....	1,064.00
609	Automobile Passenger Vehicles.....	2,157.00
1,867	Automobile Trucks (Less 1 Ton).....	4,804.00
464	Automobile Trucks (Less 2 Tons).....	2,354.00
384	Automobile Trucks (Over 2 Tons).....	3,885.75
5	Cabs .....	9.00
2,620	Cars, Street Railroad.....	9,825.00
2	Coaches and Busses.....	7.50
1,248	Driver Badges .....	1,248.00
18	Hacks .....	45.50
4,703	Single Wagons .....	7,261.25
3,743	Double Wagons .....	9,509.00
491	Double Trucks .....	2,472.00
1,341	Jitney Bus, Class A.....	13,423.50
95	Jitney Bus, Class B.....	1,620.50
213	Trucks, Four Horse.....	2,137.00

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 \$1,237,720.00

## RECAPITULATION

### TREASURY RECEIPTS

Advertising Fund .....		\$ 10,332.50
Auditorium Fund .....		10,534.00
Bequest Funds—		
Denman Medal Interest Fund.....\$	150.00	
Robinson Bequest Interest Fund.....	1,644.45	
Windel Bequest Interest Fund.....	800.00	
		2,594.45
Bond Funds—		
Interest .....	1,739,561.09	
Public Building .....	3,431,947.32	
Redemption .....	1,175,309.78	
		6,346,818.19
Common School Fund.....		2,189,649.67
City and County Good Roads Fund.....		112,122.51
General Fund, Fiscal Year 1915-16.....		9,173,185.43
Library Fund .....		101,158.34
Municipal Railway Fund.....		1,999,681.81
Municipal Railway Depreciation Fund.....		21,500.50
Park Fund .....		427,251.82
Rebate Funds and Accounts.....		1,014,418.59
Relief Funds—		
Firemen's Relief Fund.....	102,347.30	
Police Relief and Pension Fund.....	25,533.41	
		127,880.71
Robinson Bequest Fund, Transferred Investment, O. D. Baldwin.....		40,000.00
Special Inspection Fund.....		27,020.50
Street and Tunnel Assessment Funds.....		878,707.13
Street and Tunnel Redemption Funds.....		5,783.27
Street and Tunnel Interest Funds.....		3,362.83
Street Improvement Fund.....		22,225.03
Tax Collector's Special Account.....		2,177.00
Teachers' Institute Fund.....		582.00
Trust and Court Funds—		
Absent Creditors' Account.....	23.00	
Absent Heirs' Account.....	950.17	
County Clerk's Special Account.....	150,611.87	
Public Administrator's Account.....	10,271.18	
		161,856.22

## AUDITOR

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Unapportioned Fee Fund.....	273,240.65
Water Works Fund.....	6,056.89
State of California.....	1,504,510.99
Inheritance Taxes (Undistributed).....	180,444.45
Redemption of Property Sold to State (Undistributed) .....	18,336.24
Tax Collector's Taxes (Undistributed).....	75,799.38
Assessor's Personal Property Taxes (Un- distributed) .....	844,721.86
	<hr/>
	\$25,581,952.96
Apportioned or Distributed Accounts, ex- cepting Assessor's Account (See Total Treasury Receipts).....	12,813,067.41
	<hr/>
	\$38,395,020.37

## SOURCES OF REVENUE

Accrued Interest on Bond Sales.....	\$ 26,323.55
Advertising .....	10,332.50
Apportionment of State Refund on Bonded Indebtedness .....	140,288.30
Bond Sales, Including Premiums.....	3,397,497.97
Bill Board Permits.....	181.00
Building Permits .....	28,029.50
City and County Good Roads Fund.....	112,122.51
Commission from State on Poll Taxes.....	4.00
Coroner, Money found on decedents.....	387.20
Damages to City Property.....	447.79
Fines from Courts, Library and Police Officers.....	29,138.85
Franchise Percentages; Street Railroads and Corporat'ns .....	143,587.32
Interest on Bank Deposits.....	92,101.69
Interest on Bond Investments.....	24,038.25
Interest on Bequests.....	2,594.45
Licenses .....	1,237,720.00
Maintenance, City and County charges in Hospitals, Orphanages, etc.; being payments by State, Relatives etc., toward upkeep.....	51,846.42
Municipal Railways—Passenger Receipts.....	1,989,087.86
Park .....	45,755.50
Police Relief and Pension Fund—Contributions, Cash and Rewards .....	23,308.56
Rebate Accounts .....	1,014,040.21
Refunds—	
Accrued Interest .....	1,894.75
Construction, Freight Bills, Labor, Wages, etc.....	53,468.97
Rentals of Buildings, Land and Privileges.....	132,103.91
Robinson Bequest Fund, Transferred Investment O. D. Baldwin .....	40,000.00
Sales of Buildings, Land, Material, Power, etc.....	12,222.47
Special Inspection Fund.....	27,020.50
State Apportionment to Schools.....	718,456.05
State of California.....	1,504,510.99
Street Improvement Fund.....	22,225.03
Street Assessment Funds—Assessments.....	36.29
Street Assessments Redemption Funds—Redemptions.....	881.80
Taxes, City and County, except Assessor's Collections 1916, not apportioned and State Refund on Bonded Indebtedness .....	12,179,022.70
Tax Collector's Special Account.....	2,177.00
Teachers' Institute Fund—	
Examination and Certificate Fees.....	582.00

Trust and Court Funds.....	161,856.22
Tunnel Assessment Funds—Assessments.....	878,670.84
Tunnel Assessment Interest Funds—Interest.....	3,362.83
Tunnel Assessment Redemption Funds—Redemptions.....	4,901.47
Treasurer's Commission on Public Administrator's Es- tates and Inheritance Taxes.....	3,775.02
Unapportioned Fee Fund—City and County Moneys.....	273,240.65
Water Test, Board of Fire Commissioners.....	6.22
Water Works Fund—Water Rentals.....	6,056.89
Widows' Pension Fund.....	67,345.00
Inheritance Taxes (Undistributed).....	180,444.45
Redemption of Property Sold to State (Undistributed)....	18,336.24
Tax Collector's Taxes (Undistributed).....	75,799.38
Assessor's Personal Property Taxes (Undistributed).....	844,721.86
	<hr/>
	\$25,581,952.96
Apportioned or Distributed Accounts excepting As- sessor's Account (See Total Treasury Receipts).....	12,813,067.41
	<hr/>
Total Credits, excepting Transfer Entries.....	\$38,395,020.37

## TREASURER'S RECEIPTS

## Advertising Fund—

Board of Fire Commissioners.....	180.40
Board of Supervisors.....	4,240.45
Department of Public Works.....	5,911.65

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 10,332.50

## Auditorium Fund—

Rentals .....

10,534.00

## Bond Funds—

## Interest Accounts 3½% Bonds, 1904:

County Jail and Hall of Justice:

Taxes ..... 3,028.21

Golden Gate Park Extension to Presidio:

Taxes ..... 8,478.97

Library:

Taxes ..... 6,033.88

Accrued Interest ..... 2,650.15

Mission Park:

Taxes ..... 7,870.15

Playground:

Taxes ..... 17,566.77

School:

Taxes ..... 17,053.84

Accrued Interest ..... 72.62

Streets:

Taxes ..... 18,243.61

Hospital and Jail Bonds of 1913, 4½%:

Taxes ..... 43,668.01

Accrued Interest ..... 8,066.40

Polytechnic High School Bonds of 1910, 4½%:

Taxes ..... 20,478.97

Water Supply, Hetch Hetchy Bonds of 1910, 4½%:

Taxes ..... 145,041.74

Accrued Interest ..... 15,534.38

City Hall Bonds of 1912, 5%:

Taxes ..... 436,318.32

Exposition Bonds of 1912, 5%:

Taxes ..... 206,415.80

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 Forward .....

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 \$ 20,866.50

**TREASURER'S RECEIPTS—Continued**

Forward .....		\$ 20,866.50
Fire Protection Bonds of 1908, 5%:		
Taxes .....	249,169.96	
Garbage System Bonds of 1908, 5%:		
Taxes .....	23,071.47	
Hall of Justice Bonds of 1908, 5%:		
Taxes .....	39,054.13	
Hospital Bonds of 1908, 5%:		
Taxes .....	78,521.09	
Municipal Railway Bonds of 1913, 5%:		
Taxes .....	136.45	
School Bonds of 1908, 5%:		
Taxes .....	210,577.62	
Sewer Bonds of 1908, 5%:		
Taxes .....	182,508.55	
		<hr/>
		1,739,561.09

**Bond Funds, Public Buildings, from Sale of Bonds and Material; Rentals, etc.—**

Library Bonds of 1904, 3½%:		
Sale of Bonds.....	228,911.97	
School Bonds of 1904, 3½%:		
Sale of Bonds.....	8,300.00	
Hospital and Jail Bonds of 1913, 4½%:		
Sale of Bonds.....	567,000.00	
Premium .....	86.00	
Market St. Railway Bonds of 1910, 4½%:		
Sale of Bonds.....	6,000.00	
Water Supply, Hetch Hetchy Bonds of 1910, 4½%:		
Sale of Bonds.....	2,579,000.00	
Sale of Freeman's Report.....	18.35	
Premium .....	200.00	
Refund from Sierra Ry.....	1.82	
City Hall Bonds of 1912, 5%:		
Rentals .....	59.10	
Refunds, S. P. and W. P. Railroads .....	593.96	
Fire Protection Bonds of 1908, 5%:		
Damage to High Pressure System	15.30	
Sale of Material.....	42.85	
		<hr/>
Forward .....		\$ 1,760,427.59

**TREASURER'S RECEIPTS—Continued**

Forward .....		\$ 1,760,427.59
Garbage System Bonds of 1908, 5%:		
Sale of Bonds.....	8,000.00	
Municipal St. Ry. Bonds of 1913, 5%:		
Ocean Shore Ry's Share of Street Reconstruction Expense .....	33,717.97	
	<hr/>	3,431,947.32

**Bond Funds, Redemption Accounts—**

County Jail and Hall of Justice Bonds 1904, 3½%:		
Taxes .....	17,560.43	
Golden Gate Park Extension to Pre- sidio Bonds 1904, 3½%:		
Taxes .....	8,472.62	
Library Bonds of 1904, 3½%:		
Taxes .....	39,972.32	
Mission Park Bonds of 1904, 3½%:		
Taxes .....	7,264.52	
Playground Bonds of 1904, 3½%:		
Taxes .....	18,169.24	
School Bonds of 1904, 3½%:		
Taxes .....	87,814.76	
Sewer Bonds of 1904, 3½%:		
Taxes .....	1,047.19	
Street Bonds of 1904, 3½%:		
Taxes .....	40,571.56	
Hospital-Jail Completion Bonds of 1913, 4½%:		
Taxes .....	101,240.43	
Polytechnic High School Bonds of 1910, 4½%:		
Taxes .....	24,786.49	
Water Supply Bonds of 1909, 4½%:		
Taxes .....	498.21	
Exposition Bonds of 1912, 5%:		
Taxes .....	200,441.00	
Fire Protection Bonds of 1908, 5%:		
Taxes .....	130,072.37	
Garbage System Bonds of 1908, 5%:		
Taxes .....	49,399.75	
Hall of Justice Bonds of 1908, 5%:		
Taxes .....	47,868.36	
Forward .....	<hr/>	\$ 5,192,374.91



**TREASURER'S RECEIPTS—Continued**

Forward .....		\$ 5,192,374.91
Hospital Bonds of 1908, 5%:		
Taxes .....	101,698.32	
School Bonds of 1908, 5%:		
Taxes .....	199,809.15	
Sewer Bonds of 1908, 5%:		
Taxes .....	98,623.06	
		1,175,309.78
<b>City and County Good Roads Fund</b> .....		112,122.51
<b>Common School Fund—</b>		
Taxes .....	1,372,987.09	
Damage to School Property.....	12.64	
Rent of School Property.....	98,142.50	
Rebate on Furniture.....	21.39	
Sale of Desks.....	30.00	
State Apportionment .....	718,456.05	
		2,189,649.67
<b>Denman Medal Fund—</b>		
Interest .....		150.00
<b>General Fund 1915-1916—</b>		
Taxes .....	7,481,252.79	
Bill Board Permits.....	181.00	
Building Permits.....	28,029.50	
Coroner, Cash from decedents.....	387.20	
Damages, Miscellaneous:		
Fire Commissioners — Hydrants and Hose.....	101.90	
Steam Roller .....	16.00	
Third St. Bridge.....	90.35	
Fines, Police Courts:		
Dept. No. 1.....	6,222.00	
Dept. No. 2.....	5,870.00	
Dept. No. 3.....	5,360.00	
Dept. No. 4.....	6,295.00	
Superior Courts .....	250.00	
Franchises:		
Pacific Telephone and Telegraph Co. ....	71,526.08	
Sanitary Reduction Works.....	17,500.00	
S. F. Electric Protective Co.....	10.28	
Forward .....		\$ 8,669,606.87

**TREASURER'S RECEIPTS—Continued**

Forward .....	\$ 8,669,606.87
Street Railroads:	
California St. Railway Co. (Hyde St.) .....	4,683.74
United Railroads Co.....	49,767.22
Fire Commissioners:	
Payment by U. S. Government for Power Supplied by Ft. Mason Pumping Station.....	1,419.04
Payments by Contractors for Electrical Power Supplied.....	12.67
Water Test .....	6.22
Hospitals:	
City and County Hospital (including Tuberculosis) Maintenance .....	241.50
Isolation Hospital, Maintenance..	81.00
Salaries unclaimed, City and County Hospital and Tuberculosis Hospital .....	284.73
Sale of Material, City and County Hospital .....	124.05
Diploma .....	1.00
Interest on Bank Deposits.....	92,101.69
Juvenile Court; Maintenance.....	7,460.68
Licenses .....	1,237,720.00
Miscellaneous:	
Balance of Sale Price, Potrero Nuevo Block .....	200.00
Recorder, Desk Rentals.....	560.00
Rent, City Property.....	21,908.31
Relief Home:	
Maintenance .....	2,189.85
Sale of Material, etc.....	197.54
Refunds:	
Crocker National Bank, Depository Bond, Mass. Bonding Co... ..	397.25
Duplicate Payment, Secretary Superior Court .....	67.50
Ford Automobile Rebates.....	450.00
Fuel Oil remaining in tank, Temporary City Hall.....	39.33
Forward .....	\$ 8,669,606.87

**TREASURER'S RECEIPTS—Continued**

Forward .....	\$ 8,669,606.87
S. F. Hospital, Telephone.....	4.52
Salaries, Error in Pay Roll, Fire Commissioners .....	66.65
State Motor Vehicle Div. Re- funds .....	139.88
Supervisors' (Finance Com.) Trip to Sacramento; Unexpended Balance) .....	1.15
Sheriff, Board of U. S. Prisoners.....	3,572.00
State of California:	
Beale St. Assessment to cover amount advanced by General Fund .....	11,433.82
Commission on Poll Taxes, Cash \$2; Commission on Poll Taxes, Apportionment \$2 .....	4.00
Orphans and Half Orphans, State's Share .....	38,301.39
Taxes Refunded, State's Portion, Sec. 3804 .....	12.57
Lunacy Commission .....	370.00
Widows' Pensions .....	67,345.00
Sales of Property by Mayor:	
Automobile and 6 Wagons.....	206.63
Buildings and Shacks.....	3,080.86
Junk .....	451.54
29 Horses .....	1,035.93
Sales, Board of Supervisors:	
Bion J. Arnold's Report.....	9.00
Copies of General Ordinances.....	163.00
Engineer's Report on Water Supply .....	5.00
Sales, Dept. of Public Works:	
Cobbles .....	182.05
Sales, Playground Commission:	
Junk, North Beach Playground....	20.00
Treasurer's Commission on Public Administrator's Estates .....	297.80
Treasurer's Commission on Inheri- tance Taxes .....	3,477.22
	9,173,185.43
Forward .....	\$17,842,792.30

**TREASURER'S RECEIPTS—Continued**

Forward .....		\$17,842,792.30
<b>Library Fund—</b>		
Taxes .....	96,990.64	
Books Damaged or Lost.....	170.85	
Fines, etc. ....	3,996.85	
	<hr/>	101,158.34
<b>Municipal Railway Fund—</b>		
Earned Interest on Bond Investment	4,054.12	
Passenger Receipts .....	1,989,087.86	
Refunds .....	3,513.44	
Sales of Material, Brake Shoes, etc....	2,990.64	
Sundries: Broken Windows, Lost Keys, etc. ....	35.75	
	<hr/>	1,999,681.81
<b>Municipal Railway Depreciation Fund—</b>		
Refund of Accrued Interest.....	1,516.37	
Earned Interest on Bond Investment	19,984.13	
	<hr/>	21,500.50
<b>Park Fund—</b>		
Taxes .....	377,185.86	
Beach Chalet .....	2,732.15	
Bequest, Estate of Alice Skae.....	10,000.00	
Boat House Rent.....	300.00	
Children's Quarters .....	33,015.05	
Care of Flower Baskets on Market St.	671.95	
Coin Boxes .....	8.30	
Damages .....	5.00	
Japanese Tea Garden, Rent.....	600.00	
Material and Labor.....	1,100.00	
Shipment of Animals.....	150.00	
Right of Way—United Railroads.....	100.00	
Refund on Freight Bills.....	.50	
Refund on Labor.....	80.00	
Refund on Water Charges, S. V. Water Co. ....	123.29	
Spring Valley Water Co.—Hauling.....	227.25	
Sale of Animals and Material.....	643.12	
Sale of Catalogues and Indexes.....	309.35	
	<hr/>	427,251.82
Forward .....		\$20,392,384.77

**TREASURER'S RECEIPTS—Continued**

Forward .....		\$20,392,384.77
<b>Rebate Accounts—</b>		
Duplicate Tax Fund—Duplicate and Overpayment of Taxes:		
Cash .....	\$ 421.30	
Apportionment .....	5,450.09	
		5,871.39
Excavation Fund:		
Corporation Permits to Open Trenches .....		12,282.70
El Portal Way Sewer Fund to be Refunded by Assessment.....		11,000.00
House Moving Funds:		
Dept. of Public Works.....		2,100.00
Dept. of Electricity.....		575.00
Investment Fund:		
Accrued Interest Refund.....		378.38
Redemption of Bonds.....		138,500.00
Police Court Bail Money Account:		
Bail Deposits .....		724,835.00
Special Badge Fund:		
Deposits on Badges.....		595.00
Special Permit Fund:		
Deposits for Sidewalk and Street Space .....		51,214.00
Tearing Up Streets Fund:		
Permits, Side Sewer Openings.....		67,067.12
		<hr/> 1,014,418.59
<b>Relief Funds—</b>		
Firemen's Relief Fund:		
Taxes .....		102,347.30
Police Relief and Pension Fund:		
Contributions .....		22,218.00
Cash (Unclaimed) from Prisoners		900.56
Fines of Officers.....		1,145.00
Rewards of Officers.....		190.00
Sales by Property Clerk.....		1,079.85
		<hr/> 127,880.71
<b>Robinson Bequest Fund, Transferred In- vestment O. D. Baldwin.....</b>		40,000.00
<b>Robinson Bequest Interest Fund, Interest</b>		1,644.45
<b>Special Inspection Fund.....</b>		27,020.50
		<hr/>
Forward .....		\$21,603,369.02

**TREASURER'S RECEIPTS—Continued**

Forward .....		\$21,603,369.02
<b>Street Assessment Funds—</b>		
Beverly St. Extension.....	10.00	
Bixby St. Extension.....	5.00	
Orizaba St. Extension.....	7.00	
Polk St. Regrade.....	5.79	
Ralston St. Extension.....	3.50	
Ramsell St. Extension.....	4.00	
Victoria St. Extension.....	1.00	
		36.29
<b>Street Redemption Fund—</b>		
Arch St. Extension.....	70.59	
Bixby St. Extension.....	43.60	
Bright St. Extension.....	88.70	
Head St. Extension.....	66.50	
Monticello St. Extension.....	87.35	
Orizaba St. Extension.....	109.40	
Ralston St. Extension.....	94.39	
Ramsell St. Extension.....	45.20	
Vernon St. Extension.....	160.23	
Victoria St. Extension.....	115.84	
		881.80
<b>Stockton St. Tunnel Assessment Fund—</b>		
Assessments .....		38,604.11
<b>Stockton St. Tunnel Assessment Interest Fund—</b>		
Interest .....		203.00
<b>Street Improvement Fund.....</b>		22,225.03
<b>Tax Collector's Special Account.....</b>		2,177.00
<b>Twin Peaks Ridge Tunnel Assessment Fund—</b>		
No. 1 Assessments.....	823,659.82	
No. 2 Assessments.....	16,406.91	
		840,066.73
<b>Twin Peaks Ridge Tunnel Assessment Interest Fund—</b>		
Accrued Interest .....		3,159.83
<b>Twin Peaks Ridge Tunnel Assessment Redemption Fund—</b>		
Redemptions .....		4,901.47
<b>Teachers' Institute Fund—</b>		
Examinations and Certificate Fees.....		582.00
<b>Trust and Court Funds—</b>		
Absent Creditors' Account.....	23.00	
Absent Heirs' Account.....	950.17	
		973.17
Forward .....		\$22,516,186.28

**TREASURER'S RECEIPTS—Continued**

Forward .....		\$22,516,186.28
County Clerk's Special Account.....	150,611.87	
Public Administrator's Account.....	10,271.18	
	<hr/>	161,856.22
<b>Unapportioned Fee Fund—</b>		
Auditor .....	78.00	
Board of Health.....	1,242.25	
Board of Public Works.....	20,623.25	
County Clerk .....	92,142.00	
Department of Electricity.....	12,321.24	
Justices' Clerk .....	33,764.00	
Police Department .....	1,207.50	
Police Department Taximeter In- spection, Ord. 1898.....	107.00	
Pound Keeper .....	2,938.10	
Recorder .....	72,873.25	
Registrar of Voters.....	2,107.45	
Sheriff .....	33,833.11	
Treasurer .....	3.50	
	<hr/>	273,240.65
<b>Water Works Fund—</b>		
Water Rentals .....		6,056.89
<b>Wendel Bequest Interest Fund—</b>		
Interest .....		800.00
<b>State of California—</b>		
Taxes .....	2,544.88	
Inheritance Taxes .....	1,417,677.22	
Maintenance of Minors:		
Feeble Minded, Glen Ellen.....	31,540.00	
California School for Girls.....	1,392.19	
Preston School of Industry.....	6,039.15	
Whittier Reform School.....	300.82	
Poll Taxes:		
Sale .....	\$6.00	
Apportionment .....	6.00	
	<hr/>	12.00
Public School Teachers Permanent Fund .....	18,770.00	
Public Administrator, Escheated Es- tates .....	24,879.21	
Redemption of Property Sold to State	1,049.69	
Sales of Property by State, Sec. 3897	305.83	
	<hr/>	1,504,510.99
		\$24,462,651.03

## AMOUNTS APPORTIONED OR DISTRIBUTED TO FUNDS THROUGH JOURNAL ENTRY

	Gross Receipts	Distributed or Apportioned	Undis- tributed	
Assessor's Account .....	\$ 844,721.86	*\$ 817,755.52	\$817,440.61	\$ 844,721.86
Inheritance Taxes .....	1,601,598.89	1,421,154.44	180,444.45	180,444.45
Redemption of Property Taxes Fund.....	63,015.24	44,679.00	18,336.24	18,336.24
State Tax Refund.....	140,288.30	140,288.30		
Tax Collector's Unapportioned Taxes.....	11,282,745.05	11,206,945.67	75,799.38	75,799.38
Total Receipts including Assessor's Account distribu- tion or apportionment.....				\$25,581,952.96
Adding of apportioned or distributed accounts except Assessor's Account .....		12,813,067.41		12,813,067.41
Total Credits excepting Transfer Entries.....				\$38,395,020.37

\* \$790,474.27 of above amount balance brought forward from 1914-1915.



## RECAPITULATION OF TREASURY PAYMENTS

Demands Paid:	
Auditorium Fund .....	8,983.16
Bonds—	
Interest .....	1,974,992.25
Public Building .....	3,053,836.44
Redemption .....	1,136,000.00
	6,164,828.69
Bequest Funds .....	42,944.45
City and County Good Roads Fund.....	80,718.28
Common School Fund.....	2,115,339.13
Court Funds .....	111,187.56
General Fund .....	9,793,970.77
Library Fund .....	107,498.51
Municipal Railway Fund (operating ex- penses) .....	1,318,852.15
Municipal Railway Depreciation Fund (Purchase of Municipal Bonds).....	286,543.42
Park Fund .....	427,559.79
Relief Funds .....	211,992.98
Relief Home Tract Fund.....	13,740.00
Rebate Funds and Accounts.....	994,501.54
Special Inspection Fund.....	17,842.55
Street Improvement Fund.....	22,779.08
Street Assessment Funds.....	612.00
Street Assessment Redemption Funds.....	375.52
Tunnel Assessment Funds.....	935,756.60
Tunnel Assessment Redemption Fund.....	303.39
Tunnel Assessment Interest Fund.....	7,973.31
Teachers' Institute Fund.....	226.65
Unapportioned Fee Fund.....	17,983.95
Water Works Fund.....	7,934.94
State of California.....	1,500,909.70
Assessor's Account .....	817,755.52
Inheritance Tax Fund (Cash Disburse- ments) .....	5,922.63
Total Payments, including Assessor's Account .....	25,015,036.27
Amount apportioned or distributed through Journal Entry from funds de- tailed under Treasury Payments.....	12,813,067.41
	37,828,103.68
Total Debits excepting Transfer En- tries .....	37,828,103.68

## TREASURY PAYMENTS

Auditorium Fund Demands Paid.....	8,983.15
<b>Bonds, Interest—</b>	
<b>Demands Paid:</b>	
County Jail and Hall of Justice, Issue of 1904, 3½%.....	3,349.50
Golden Gate Park Extension to Pre- sidio, Issue of 1904, 3½%.....	8,466.50
Library, Issue of 1904, 3½%.....	29,071.00
Mission Park, Issue of 1904, 3½%.....	7,537.25
Playground, Issue of 1904, 3½%.....	19,213.25
School, Issue of 1904, 3½%.....	23,679.25
Street, Issue of 1904, 3½%.....	19,138.00
Geary St. Railway, Issue of 1910, 4½% .....	82,642.50
Hospital-Jail, Issue of 1913, 4½%.....	48,487.50
Market St. Railway, Issue of 1910, 4½% .....	3,195.00
Polytechnic High School, Issue of 1910, 4½% .....	24,795.00
Water Supply, Hetch Hetchy, Issue of 1910, 4½% .....	79,605.00
City Hall, Issue of 1912, 5%.....	440,225.00
Exposition, Issue of 1912, 5%.....	131,525.00
Fire Protection, Issue of 1908, 5%.....	258,275.00
Garbage, Issue of 1908, 5%.....	32,900.00
Hall of Justice, Issue of 1908, 5%.....	40,975.00
Hospital, Issue of 1908, 5%.....	87,125.00
Municipal Railway, Issue of 1913, 5% .....	200,812.50
School, Issue 1908, 5%.....	236,600.00
Sewer, Issue of 1908, 5%.....	197,375.00
	1,974,992.25
<b>Bonds, Public Building—</b>	
<b>Demands Paid:</b>	
Library, Issue of 1904, 3½%.....	384,303.37
School, Issue of 1904, 3½%.....	3,857.25
Sewer, Issue of 1904, 3½%.....	115,014.18
Geary St. Railway, Issue of 1910, 4½% .....	27,900.10
Hospital-Jail, Issue of 1913, 4½%.....	217,804.84
	1,983,975.41
Forward .....	\$ 1,983,975.41

**TREASURY PAYMENTS—Continued**

Forward .....		\$ 1,983,975.41
Market St. Railway, Issue of 1910, 4½% .....	720.10	
Polytechnic High School, Issue of 1910, 4½% .....	29,567.26	
Water Supply, Hetch Hetchy, Issue 1910, 4½% .....	445,009.49	
City Hall, Issue of 1912, 5%.....	1,413,487.58	
Fire Protection, Issue of 1908, 5%.....	12,018.34	
Garbage System, Issue of 1908, 5%....	990.30	
Municipal St. Railway, Issue of 1913, 5% .....	292,792.24	
School, Issue of 1908, 5%.....	95,598.59	
Sewer, Issue of 1908, 5%.....	14,682.80	
		<hr/> 3,053,836.44

**Bonds, Redemption—****Demands Paid:**

County Jail and Hall of Justice, Issue of 1904, 3½%.....	17,400.00	
Golden Gate Park Extension to Pre- sidio, Issue of 1904, 3½%.....	8,200.00	
Library, Issue of 1904, 3½%.....	41,100.00	
Mission Park, Issue of 1904, 3½%....	7,300.00	
Playground, Issue of 1904, 3½%.....	18,500.00	
Street, Issue of 1904, 3½%.....	40,500.00	
School, Issue of 1904, 3½%.....	89,800.00	
Sewer, Issue of 1904, 3½%.....	181,200.00	
Geary St. Railway, Issue of 1910, 4½% .....	95,000.00	
Hospital-Jail Completion, Issue of 1910, 4½% .....	100,000.00	
Market St. Railway, Issue of 1910, 4½% .....	6,000.00	
Polytechnic High School, Issue of 1910, 4½% .....	25,000.00	
Exposition, Issue of 1912, 5%.....	6,000.00	
Garbage System, Issue of 1908, 5%....	50,000.00	
Hall of Justice, Issue of 1908, 5%.....	50,000.00	
Hospital, Issue of 1908, 5%.....	100,000.00	
School, Issue of 1908, 5%.....	200,000.00	
Sewer, Issue of 1908, 5%.....	100,000.00	
		<hr/> 1,136,000.00
Forward .....		<hr/> \$ 6,173,811.85

**TREASURY PAYMENTS—Continued**

Forward .....		\$ 6,173,811.85
<b>Bequest Funds—</b>		
<b>Demands Paid:</b>		
Robinson Bequest Fund.....	40,000.00	
Robinson Bequest Interest Fund.....	2,144.45	
Windel Bequest Interest Fund.....	800.00	
	<hr/>	42,944.45
<b>Court Funds—</b>		
<b>Demands Paid:</b>		
Absent Creditors' Account.....	12.50	
Absent Heirs' Account.....	440.92	
County Clerk's Special Account.....	110,517.40	
Public Administrator's Account.....	216.74	
	<hr/>	111,187.56
<b>City and County Good Roads Fund—</b>		
Demands Paid .....		80,718.28
<b>Common School Fund—</b>		
Demands Paid .....		2,115,339.13
<b>General Fund—</b>		
Demands Paid .....		9,793,970.77
<b>Library Fund—</b>		
Demands Paid .....		107,498.51
<b>Municipal Railway Depreciation Fund—</b>		
Demands Paid (Purchase of Municipal Bonds) .....		286,543.42
<b>Municipal Railway Fund—</b>		
Demands Paid (Operating).....		1,318,852.15
<b>Park Fund—</b>		
Demands Paid .....		427,559.79
<b>Rebate Funds and Accounts—</b>		
<b>Demands Paid:</b>		
Duplicate Tax Fund.....	4,633.71	
El Portal Way Sewer Fund.....	10,964.00	
Excavation Fund .....	15,559.55	
House Moving Funds:		
Dept. of Electricity.....	340.00	
Dept. of Public Works.....	2,300.00	
Investment Fund:		
Purchase of City and County Bonds .....	138,878.38	
	<hr/>	
Forward .....		\$20,458,425.91

**TREASURY PAYMENTS—Continued**

Forward .....		\$20,438,425.91
Overpayment, Corporation Personal Property Taxes Fund.....	6.00	
Police Court Bail Money Account.....	713,070.00	
Special Badge Fund.....	820.00	
Special Permit Fund.....	45,781.00	
Tearing Up Streets Fund.....	62,148.90	
		<hr/>
		994,501.54
<b>Relief Funds—</b>		
<b>Demands Paid:</b>		
Firemen's Relief Fund.....	103,372.03	
Police Relief and Pension Fund.....	108,620.95	
		<hr/>
		211,992.98
<b>Relief Home Tract Fund—</b>		
Demands Paid .....		13,740.00
<b>Special Inspection Fund—</b>		
Demands Paid .....		17,842.55
<b>Street Improvement Fund—</b>		
Demands Paid .....		22,779.08
<b>Street Assessment Funds—</b>		
<b>Demands Paid:</b>		
Arch St. Extension.....	5.00	
Beverly St. Extension.....	7.00	
Bixley St. Extension.....	6.00	
Bright St. Extension.....	5.00	
Head St. Extension.....	5.00	
Monticello St. Extension.....	5.00	
Orizaba St. Extension.....	29.00	
Polk St. Regrade.....	499.00	
Ralston St. Extension.....	6.00	
Ramsell St. Extension.....	5.00	
Vernon St. Extension.....	5.00	
Victoria St. Extension.....	5.00	
Vulcan St. Extension.....	30.00	
		<hr/>
		612.00
<b>Street Assessment Redemption Funds—</b>		
<b>Demands Paid:</b>		
Beverly St. Extension.....	88.94	
Bixby St. Extension.....	43.60	
Bright St. Extension.....	65.30	
		<hr/>
Forward .....		\$21,719,894.06

**TREASURY PAYMENTS—Continued**

Forward .....		\$21,719,894.06
Monticello St. Extension.....	77.98	
Ralston St. Extension.....	21.80	
Orizaba St. Extension.....	59.20	
Victoria St. Extension.....	18.70	
		<hr/> 375.52
<b>Stockton St. Tunnel Interest Fund—</b>		
Demands Paid (Interest Coupons).....		7,973.31
<b>Tunnel Assessment Funds—</b>		
<b>Demands Paid:</b>		
Stockton St. Tunnel, Miscellaneous		
Demands .....	1,108.84	
Stockton St. Tunnel, Contractor's		
Bonds Redeemed .....	16,558.84	
Twin Peaks Ridge Tunnel No. 1.....	918,088.92	
		<hr/> 935,756.60
<b>Twin Peaks Ridge Tunnel Assessment</b>		
<b>Redemption Fund—</b>		
Demands Paid .....		303.39
<b>Teachers' Institute Fund—</b>		
Demands Paid .....		226.65
<b>Unapportioned Fee Fund—</b>		
Demands Paid .....		17,983.95
<b>Water Works Fund—</b>		
Demands Paid .....		7,934.94
<b>State of California—</b>		
Bond Interest, Teachers' Permanent		
Fund .....	2,200.00	
May and December Settlements.....	1,486,463.70	
Public School Teachers' Permanent		
Fund .....	12,246.00	
		<hr/> 1,500,909.70
Forward .....		<hr/> \$24,191,358.12

**AMOUNTS APPORTIONED OR DISTRIBUTED TO FUNDS THROUGH JOURNAL ENTRY**

	Amount	Cash
	Apportioned	Payments
	Payments and Distributed	Payments
Forward .....		\$24,191,358.12
Assessor's Account .....	\$ 817,755.52	\$ 817,755.52
Inheritance Taxes .....	1,427,077.07	1,421,154.44
		\$5,922.63
Sub-Total Payments including Assessor's Account distribution or apportionment.....	44,679.00	44,679.00
Redemption of Property Taxes Fund.....	140,288.30	140,288.30
State Tax Refund.....		
Tax Collector's Unapportioned Taxes Fund.....	11,206,945.67	11,206,945.67
		12,813,067.41
Distributed Accounts except Assessor's Account.....	\$12,813,067.41	\$37,828,103.68
Total Debits excepting Transfer Entries.....		
<b>BALANCE.</b>		
Cash on hand July 1, 1915.....		\$ 9,958,784.40
Receipts during Fiscal Year 1915-1916 including Assessor's Account apportionment or distribution.....		25,581,952.96
		\$35,540,737.36
Payments during Fiscal Year 1915-16 including Assessor's Account apportionment or distribution.....		25,015,036.27
		\$10,525,701.09
Balance June 30, 1916.....		

**CASH IN THE TREASURY OF THE CITY AND COUNTY  
OF SAN FRANCISCO, JUNE 30, 1916**

**Bond Funds—**

Interest .....	1,160,462.51	
Public Building .....	4,264,655.59	
Redemption .....	1,170,962.16	
	<hr/>	6,596,080.26
Auditorium Fund .....		1,550.84
City and County Good Roads Fund.....		114,359.43
Common School Fund.....		106,565.78
Firemen's Relief Fund.....		115.87
General Fund .....		1,171,809.13
Investment Fund .....		200,000.00
Library Fund .....		41,507.85
Municipal Railway Fund.....		281,310.98
Municipal Railway Accident Insurance Fund .....		49,144.64
Municipal Railway Depreciation Fund.....		174,964.59
Park Fund .....		41,744.64
Police Relief and Pension Fund.....		15,364.76
Teachers' Institute Fund.....		1,817.91
Trust and Court Funds.....		50,668.66
Unapportioned Fee Fund.....		26,904.63
Water Works Fund.....		2,382.18
Rebate Funds and Accounts, Bequests and Assessment Funds .....		552,619.27
		<hr/>
		9,428,911.42
Unapportioned Accounts .....		1,088,275.05
		<hr/>
		10,517,186.47
State of California.....		8,514.62
		<hr/>
		10,525,701.09



**CONDITION OF TREASURY, JUNE 30, 1916**

Cash on hand June 30, 1916, at Credit of following Funds and Accounts:

**CITY AND COUNTY FUNDS****Bond Funds—****Interest Accounts:**

County Jail and Hall of Justice	
Bonds of 1904, 3½%.....	1,489.84
Golden Gate Park Extension to Presidio Bonds of 1904, 3½%.....	4,833.76
Hospital Bonds of 1904, 3½%.....	112.54
Library Bonds of 1904, 3½%.....	25,898.91
Mission Park Bonds of 1904, 3½%.....	4,081.84
Playground Bonds of 1904, 3½%.....	9,773.33
School Bonds of 1904, 3½%.....	11,365.40
Street Bonds of 1904, 3½%.....	9,476.92
Geary St. Railway Bonds of 1910, 4½% .....	44,789.05
Hospital-Jail Completion Bonds of 1913, 4½% .....	40,577.76
Polytechnic High School Bonds of 1910, 4½% .....	12,706.78
Water Supply Bonds of 1909, 4½%.....	1,027.07
Water Supply, Hetch Hetchy, Bonds of 1910, 4½%.....	158,852.58
City Hall Bonds of 1912, 5%.....	218,844.59
Exposition Bonds of 1912, 5%.....	119,826.59
Fire Protection Bonds of 1908, 5%.....	135,573.45
Garbage System Bonds of 1908, 5%.....	19,656.48
Hall of Justice Bonds of 1908, 5%.....	20,510.00
Hospital Bonds of 1908, 5%.....	41,929.77
Municipal Street Railway Bonds of 1913, 5% .....	61,560.15
School Bonds of 1908, 5%.....	114,745.07
Sewer Bonds of 1908, 5%.....	102,790.63
	1,160,462.51

**Bond Funds—Public Building—**

Library Bonds of 1904, 3½%.....	318,264.17
Sewer Bonds of 1904, 3½%.....	54,522.82
Street Bonds of 1904, 3½%.....	2,108.87
Geary St. Railway Bonds of 1910, 4½% .....	209.75

Forward .....

\$ 1,160,462.51

**CONDITION OF TREASURY JUNE 30, 1916—Continued**

Forward .....	\$ 1,160,462.51
Hospital-Jail Completion Bonds of 1913, 4½% .....	685,617.31
Market St. Railway Bonds of 1910, 4½% .....	6,153.41
Polytechnic High School Bonds of 1910, 4½% .....	13,977.97
Water Supply, Hetch Hetchy, Bonds of 1910, 4½% .....	2,389,412.47
City Hall Bonds of 1912, 5% .....	155,492.09
Fire Protection Bonds of 1908, 5% .....	18,185.38
Garbage System Bonds of 1908, 5% .....	251,488.14
Hospital Bonds of 1908, 5% .....	16.50
Municipal Street Railway Bonds of 1913, 5% .....	212,899.51
School Bonds of 1908, 5% .....	36,745.56
Sewer Bonds of 1908, 5% .....	119,561.64
	<hr/>
	4,264,655.59

**Bond Funds—****Redemption Accounts:**

County Jail and Hall of Justice Bonds of 1904, 3½% .....	18,297.27
Golden Gate Park Extension to Pre- sidio Bonds of 1904, 3½% .....	8,553.07
Hospital Bonds of 1904, 3½% .....	.15
Library Bonds of 1904, 3½% .....	42,352.54
Mission Park Bonds of 1904, 3½% .....	7,229.61
Playground Bonds of 1904, 3½% .....	19,077.06
School Bonds of 1904, 3½% .....	92,405.86
Sewer Bonds of 1904, 3½% .....	4,693.70
Street Bonds of 1904, 3½% .....	42,443.78
Geary St. Railway Bonds of 1910, 4½% .....	95,000.00
Hospital-Jail Completion Bonds of 1913, 4½% .....	1,240.43
Polytechnic High School Bonds of 1910, 4½% .....	84.48
Water Supply Bonds of 1909, 4½% .....	1,473.13
Market St. Railway Bonds of 1910, 4½% .....	6,000.00
Exposition Bonds of 1912, 5% .....	199,346.28
	<hr/>
Forward .....	\$ 5,425,118.10

## CONDITION OF TREASURY JUNE 30, 1916—Continued

Forward .....		\$ 5,425,118.10
Fire Protection Bonds of 1908, 5%....	130,072.37	
Garbage System Bonds of 1908, 5%....	51,407.28	
Hall of Justice Bonds of 1908, 5%.....	50,115.22	
Hospital Bonds of 1908, 5%.....	101,158.86	
Sewer Bonds of 1908, 5%.....	98,077.25	
School Bonds of 1908, 5%.....	201,933.82	
		<hr/>
		1,170,962.16
<b>Auditorium Fund</b> .....		1,550.84
<b>Common School Fund</b> .....		106,565.78
<b>City and County Good Roads Fund</b> .....		114,359.43
<b>Firemen's Relief Fund</b> .....		115.87
<b>General Fund</b> .....		1,171,809.13
<b>Investment Fund</b> .....		200,000.00
<b>Library Fund</b> .....		41,507.85
<b>Municipal Railway Accident Insurance Fund</b> .....		49,144.64
<b>Municipal Railway Depreciation Fund</b> ....		174,964.59
<b>Municipal Railway Fund</b> .....		281,310.98
<b>Park Fund</b> .....		41,744.64
<b>Police Relief and Pension Fund</b> .....		15,364.76
<b>Rebate Accounts and Funds, Bequests and Assessment Funds—</b>		
Arch St. Extension Assessment Fund	73.32	
Arch St. Redemption Fund.....	131.17	
Bixby St. Extension Assessment Fund	93.94	
Bixby St. Redemption Fund.....	93.75	
Beverly St. Extension Assessment Fund .....	129.17	
Beverly St. Redemption Fund.....	90.49	
Bright St. Extension Assessment Fund	81.65	
Bright St. Redemption Fund.....	100.99	
Denman Medal Fund.....	392.92	
Duplicate Tax Fund.....	18,101.17	
El Portal Way Sewer Fund.....	36.00	
Excavation Fund .....	18,367.94	
Head St. Extension Assessment Fund	94.86	
Head St. Redemption Fund.....	217.35	
House Moving Funds:		
Dept. of Public Works.....	400.00	
Dept. of Electricity.....	1,769.81	
		<hr/>
Forward .....		\$ 8,794,518.77

## CONDITION OF TREASURY JUNE 30, 1916—Continued

Forward .....	\$ 8,794,518.77
Monticello St. Extension Assessment Fund .....	81.92
Monticello St. Redemption Fund.....	43.67
Overpayment Corporation Taxes Fund .....	156.64
Orizaba St. Extension Assessment Fund .....	92.34
Orizaba St. Redemption Fund.....	184.31
Polk St. Regrade Assessment Fund....	464.45
Police Court Bail Money Account.....	32,859.50
Ralston St. Extension Assessment Fund .....	80.66
Ralston St. Redemption Fund.....	178.57
Ramsell St. Extension Assessment Fund .....	107.78
Ramsell St. Redemption Fund.....	291.95
Robinson Bequest Fund.....	250.00
Special Inspection Fund.....	22,961.60
Special Permit Fund.....	32,337.75
Special Badge Fund.....	1,194.00
Street Improvement Fund.....	166.12
Stockton St. Tunnel Assessment Fund .....	17,887.99
Stockton St. Tunnel Assessment Interest Fund .....	8,792.25
Stockton St. Tunnel Assessment Redemption Fund .....	314.84
Tearing Up Streets Fund.....	12,993.54
Twin Peaks Ridge Tunnel Assessment Fund No. 1.....	147,860.95
Twin Peaks Ridge Tunnel Assessment Fund No. 2.....	15,341.44
Twin Peaks Ridge Tunnel Assessment Interest Fund.....	187,601.82
Twin Peaks Ridge Tunnel Redemption Fund .....	28,808.50
Vernon St. Extension Assessment Fund .....	70.82
Vernon St. Extension Redemption Fund .....	253.37
Victoria St. Extension Assessment Fund .....	105.81
<b>Forward .....</b>	<b>\$ 8,794,518.77</b>

**CONDITION OF TREASURY JUNE 30, 1916—Continued**

Forward .....		\$ 8,794,518.77
Victoria St. Extension Redemption Fund .....	298.69	
Vulcan St. Extension Assessment Fund .....	43.37	
Windel Bequest Fund.....	220.09	
Windel Bequest Interest Fund.....	400.00	
		<hr/>
		552,619.27
<b>Teachers Institute Fund</b> .....		1,817.91
<b>Trust and Court Funds—</b>		
Absent Heirs' Account.....	519.16	
Absent Creditors' Account.....	10.50	
County Clerk's Special Account.....	40,094.47	
Public Administrator's Account.....	10,044.53	
		<hr/>
		50,668.66
<b>Unapportioned Fee Fund</b> .....		26,904.63
<b>Water Works Fund</b> .....		2,382.18
		<hr/>
		\$9,428,911.42
<b>Unapportioned Accounts—</b>		
Assessor's Account .....	817,440.61	
Inheritance Tax Fund.....	174,521.82	
Redemption of Property Sold to State Account .....	18,336.24	
Tax Collector's Special Account.....	2,177.00	
Tax Collector's Taxes Account.....	75,799.38	
		<hr/>
		1,088,275.05
		<hr/>
<b>Total City and County Funds</b> .....		10,517,186.47
<b>State of California</b> .....		8,514.62
		<hr/>
		10,525,701.09

**COMPARATIVE TREASURY RECEIPTS, FISCAL YEARS  
1914-1915 1915-1916**

	Fiscal Year 1914-15	Fiscal Year 1915-16
Advertising Fund .....	\$ 15,260.75	\$ 10,332.50
Accrued Interest on Bond Sales.....	47,487.02	26,323.55
Assessor's Personal Property Taxes, not apportioned .....	814,438.33	844,721.86
Bill Board Permits.....	202.00	181.00
Building Permits .....	24,146.90	28,029.50
City and County Good Roads Fund.....	117,385.02	112,122.51
Commission from State on Personal Prop- erty and Poll Taxes.....	18,470.60	4.00
Coroner, Money Found on Decedents.....	240.35	387.20
Damages to City Property—Hydrants, Railways, Schools, etc.....	2,991.51	447.79
Fees, City and County Offices.....	276,702.49	273,240.65
Fines, from Courts, Library and Police Officers .....	42,628.25	29,138.85
Franchise Percentages, Street Railroad and Corporation .....	75,156.48	143,587.32
Interest on Bequests—Windel, Robinson, Deman .....	2,950.00	2,594.45
Interest on Bank Deposits.....	130,130.45	92,101.69
Interest on Bond Investments.....	10,822.79	24,038.25
Licenses .....	1,260,873.50	1,237,720.00
Maintenance of City and County Charges in Hospitals, Orphanages, etc. (being contributions by State, Relatives, etc., toward upkeep).....	75,229.74	51,846.42
Municipal Railways, Passenger Receipts and Advertising .....	1,666,877.41	1,989,087.86
Municipal Bath Houses.....	124.25	
Park .....	29,569.45	45,755.50
Police Relief and Pension Fund, Contri- butions, Cash and Rewards.....	22,942.14	23,308.56
Refunds, Bond Investment, Interest, Wages, Insurance, etc.....	304,723.22	55,363.72
Refund from State on Bonded Indebted- ness .....	134,116.38	140,288.30
Rent of Buildings, Land and Privileges..	125,384.27	132,103.91
Robinson Bequest Fund, Transferred In- vestment, O. D. Baldwin.....		40,000.00

## COMPARATIVE TREASURY RECEIPTS—Continued

	Fiscal Year 1914-15	Fiscal Year 1915-16
Sale of Bonds.....	4,023,285.69	3,397,497.97
Sales, by Various Departments, of Land, Material, Power, etc.....	55,629.20	12,222.47
State Apportionment to Schools.....	662,411.96	718,456.05
Special Inspection Fund.....	19,046.75	27,020.50
Street Improvement Fund.....	2,728.92	22,225.03
Street Assessment and Redemption Funds	21,367.79	918.09
Tax Collector's Special Account.....		2,177.00
Taxes, Except State Refund on Bonded Indebtedness and Assessor's Collec- tion, not apportioned.....	12,184,051.41	12,179,022.70
Teachers' Institute Fund.....	500.00	582.00
Treasurer's Commission on Public Admin- istrator's Estates and Inheritance Taxes .....	5,648.59	3,775.02
Trust and Court Funds.....		161,856.22
Tunnel Assessment, Interest and Redemp- tion Funds .....	274,597.67	886,935.14
*Undistributed Accounts, except Assess- or's Account .....		274,580.07
Water Rentals .....	4,591.25	6,056.89
Widows' Pension Fund.....	37,697.51	67,345.00
Miscellaneous: Payments by Corporations and Individuals for Sewer Construc- tion, Crossings, Privileges, etc.....	18,394.08	6.22
	<hr/>	<hr/>
	22,508,804.12	23,063,401.76
Rebate Accounts and Funds:		
Duplicate Tax and Overpayment of Taxes Fund .....	4,968.25	5,871.39
El Portal Way Sewer Fund.....		11,000.00
Excavation Fund .....	17,088.85	12,282.70
House Moving Funds.....	3,925.00	2,675.00
Investment Fund .....	158,200.00	138,500.00
Police Court Bail Money Account.....	641,387.50	724,835.00
*Inheritance Taxes .....	\$180,444.45	
Redemption of Property.....	18,336.24	
Tax Collector's Taxes.....	75,799.38	
	<hr/>	
	\$274,580.07	

## COMPARATIVE TREASURY RECEIPTS—Continued

	Fiscal Year 1914-15	Fiscal Year 1915-16
Special Badge Fund.....	750.00	595.00
Special Permit Fund.....	45,266.00	51,214.00
Tearing Up Streets Fund.....	61,991.45	67,067.12
	<hr/>	<hr/>
	\$23,442,381.17	\$24,077,441.97
State of California.....	1,038,671.11	1,504,510.99
	<hr/>	<hr/>
	\$24,481,052.28	\$25,581,952.96



## TRANSFER ENTRIES—FISCAL YEAR ENDING JUNE 30, 1916

Total Transfers—Permanent and Temporary .....	\$11,324,987.08	\$11,324,987.08
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### PERMANENT

<b>Sundries to General Fund</b> .....		264,375.42
Advertising Fund .....	10,333.50	
Unapportioned Fee Fund.....	254,041.92	
<b>General Fund to Sundries</b> .....	91,424.68	
City and County Good Roads Fund....		10,000.00
Municipal Railway Fund.....		2,279.52
Police Relief and Pension Fund.....		78,845.16
Water Works Fund.....		300.00
<b>Bond Funds—</b>		
<b>Interest Funds:</b>		
Geary Railway 4½% Bond, Interest Fund, 1910 .....	2,568.45	
To Market St. Ry. 4½% Bond Interest Fund, 1910.....		2,568.45
Hospital 5% Bond Interest Fund, 1908 .....	1,154.56	
To Hospital 5% Bond Redemption Fund, 1908 .....		1,154.56
Mission Park 3½% Bond Interest Fund, 1904 .....	356.70	
To Mission Park 3½% Bond Redemption Fund, 1904.....		356.70
Polytechnic 4½% Bond Interest Fund, 1910 .....	207.51	
To Polytechnic 4½% Bond Redemption Fund, 1910.....		207.51
Sewer 5% Bond Interest Fund, 1908..	114.86	
To Sewer 5% Bond Redemption Fund, 1908 .....		114.86
<b>Public Building Funds—</b>		
Public Building Geary Railway 4½% Bond Fund, 1910.....	4,375.80	
To Public Building Municipal Railway 5% Bond Fund, 1913.....		4,375.80

**TRANSFER ENTRIES—Continued**

Public Building Market St. Railway 4½% Bond Fund, 1910.....	18,186.80	
To Public Building Geary Railway 4½% Bond Fund, 1910.....		18,186.80
Public Building School 3½% Bond Fund, 1904 (Resolution 13034)..	5,467.56	
To Public Building School 5% Bond Fund, 1908 .....		5,467.56
<b>Redemption Funds—</b>		
County Jail and Hall of Justice 3½% Bond Redemption Fund, 1904.....	155.25	
To County Jail and Hall of Justice 3½% Bond Interest Fund, 1904.		155.25
<b>Duplicate Tax Fund to Sundries.....</b>	2.50	
Twin Peaks Ridge Tunnel Interest Fund .....		2.25
Advertising Fund .....		.25
<b>Municipal Railway Fund to Sundries.....</b>	713,842.24	
Geary St. Railway 4½% Bond Inter- est Fund, 1910.....		45,000.00
Investment Fund .....		200,000.00
Municipal Ry. Accident Insurance Fund .....		23,906.99
Municipal Ry. Depreciation Fund....		367,935.25
Municipal Ry. 5% Bond Interest Fund, 1913 .....		77,000.00
<b>Municipal Railway Depreciation Fund to Sundries .....</b>	101,000.00	
Geary Railway 4½% Bond Redemp- tion Fund, 1910.....		95,000.00
Market St. Railway 4½% Bond Re- demption Fund, 1910.....		6,000.00
<b>Public Administrator's Fund .....</b>	9.91	
Absent Heirs' Fund.....		9.91
<b>Sundries to Twin Peaks Ridge Ass't. F'd</b>		98,972.04
Twin Peaks Tunnel Interest Fund, J. Res. 1896 .....	98,941.00	
Twin Peaks Interest Fund.....	16.41	
Duplicate Tax Fund.....	14.63	
<b>Stockton St. Tunnel Assessment Fund.....</b>	6,843.61	
Stockton St. Tunnel Interest Fund...		6,843.61

**TRANSFER ENTRIES—Continued**

<b>Twin Peaks Ridge Tunnel Assessment Fund to Sundries</b> .....	221,157.48	
Twin Peaks Ridge Tunnel Interest Fund .....		220,469.86
Duplicate Tax Fund.....		686.87
Advertising Fund .....		.75
<b>Twin Peaks Ridge Tunnel Assessment Fund, No. 2</b> .....	1,065.47	
To Twin Peaks Tunnel Interest Fund		1,065.47
<b>Unapportioned Fee Fund</b> .....	1,464.50	
To Police Relief and Pension Fund...		1,464.50
	<hr/>	<hr/>
	\$1,532,745.34	\$1,532,745.34

**TEMPORARY TRANSFERS****LOAN TRANSFERS**

<b>Assessor's Account to Sundries</b> .....	760,000.00	
Firemen's Relief Fund.....		10,000.00
Loan Transfer Account.....		750,000.00
<b>Loan Transfer Account to Sundries</b> .....	2,135,545.48	
Common School Fund.....		340,000.00
Firemen's Relief Fund.....		50,500.00
General Fund .....		1,565,000.00
Mission Park 3½% Bond Interest Fund, 1904 .....		45.48
Park Fund .....		180,000.00
<b>Public Building Funds—</b>		
<b>Public Building City Hall 5% Bond     Fund, 1912, to Sundries</b> .....	950,575.39	
Loan Transfer Account.....		950,000.00
Police Relief and Pension Fund.....		575.39
<b>Public Building Garbage 5% Bond     Fund, 1908</b> .....	200,000.00	
To Loan Transfer Account.....		200,000.00
<b>Public Building Water Supply Hetch     Hetchy 4½% Bond Fund, 1910</b> .....	600,000.00	
To Loan Transfer Account.....		600,000.00
<b>Public Building Library 3½% Bond     Fund, 1904,</b> .....	250,000.00	
To Loan Transfer Account.....		250,000.00
	4,896,120.87	4,896,120.87

**TRANSFER LOANS RETURNED**

<b>Common School Fund</b> .....	340,000.00	
To Loan Transfer Account.....		340,000.00
<b>Firemen's Relief Fund to Sundries</b> .....	60,500.00	
Assessor's Account .....		10,000.00
Loan Transfer Account.....		50,500.00
<b>General Fund</b> .....	1,565,000.00	
To Loan Transfer Account.....		1,565,000.00
<b>Loan Transfer Account to Sundries</b> .....	2,750,000.00	
Assessor's Account .....		750,000.00
<b>Public Building Funds:</b>		
P. B. City Hall 5% Bond Fund 1912 .....		950,000.00

**TEMPORARY TRANSFERS—Continued**

P. B. Garage 5% B'd F'd, 1908		200,000.00
P. B. Water Supply Hetch Hetchy 4½% Bond Fund, 1910		600,000.00
P. B. Library 3½% Bond Fund, 1904 .....		250,000.00
<b>Mission Park 3½% Bond Interest Fund</b>		
1904 .....	45.48	
To Loan Transfer Account.....		45.48
<b>Park Fund</b> .....	180,000.00	
To Loan Transfer Account.....		180,000.00
<b>Police Relief and Pension Fund</b> .....	575.39	
To Public Building City Hall 5% Bond Fund, 1912.....		575.39
	<hr/>	<hr/>
	4,896,120.87	4,896,120.87

## PROOF

Only Funds, Whose Cash on Hand is Affected, are Given Below.

FUNDS	Cash on	Receipts	Disbursements	Cash on
	Hand July 1, 1915	and Transfers	and Transfers	Hand June 30, 1916
Absent Heirs Fund.....	950.17		440.92	519.16
Transfers .....	9.91			
Advertising Fund .....	10,332.50		10,333.50	
Transfers .....	1.00			
Bond Funds—Public Building:				
Geary St. Railway 4½% Bond Fund, 1910.....	14,298.85		27,900.10	209.75
Transfers .....	18,186.80		4,375.80	
Market St. Railway 4½% Bond Fund, 1910.....	19,060.31		720.10	6,153.41
Transfers .....	6,000.00		18,186.80	
Municipal St. Railway 5% Bond Fund, 1913.....	467,597.98		292,792.24	212,899.51
Transfers .....	4,375.80			
School 5% Bond Fund, 1908.....	126,876.59		95,598.59	36,745.56
Transfers .....	5,467.56			
School 3½% Bond Fund, 1904.....	1,024.81		3,857.25	
Transfers .....	8,300.00		5,467.56	
Interest Funds:				
County Jail and Hall of Justice 3½% Bond Interest				
Fund, 1904 .....	1,655.88		3,349.50	1,489.84
Transfers .....	155.25			

Geary St. Railway 4½% Bond Interest Fund, 1910....	85,000.00			82,642.50	44,789.05
Transfers .....		45,000.00		2,568.45	
Hospital 5% Bond Interest Fund, 1908.....	51,688.24			87,125.00	41,929.77
Transfers .....		78,521.09		1,154.56	
Market St. Railway 4½% Bond Interest Fund, 1910....	626.55			3,195.00	
Transfers .....		2,568.45			
Municipal St. Railway 5% Bond Interest Fund, 1913..	185,236.20			200,812.50	61,560.15
Transfers .....		136.45			
Mission Park 3½% Bond Interest Fund, 1904.....	4,105.64			77,000.00	
Transfers .....		7,870.15		7,537.25	4,081.84
Polytechnic High School 4½% Bond Int. Fund, 1910	17,230.32			356.70	
Transfers .....		20,478.97		24,795.00	12,706.78
Sewer 5% Bond Interest Fund, 1908.....	117,771.94			207.51	
Transfers .....		182,508.55		197,375.00	102,790.63
				114.86	
Redemption Funds:					
Geary St. Railway 4½% Bond Redemption Fund, 1910	95,000.00			95,000.00	95,000.00
Transfers .....		95,000.00			
County Jail and Hall of Justice 3½% Bond Redemp- tion Fund, 1904.....	18,292.09			17,400.00	18,297.27
Transfers .....		17,560.43		155.25	
Hospital 5% Bond Redemption Fund, 1908.....	98,305.98			100,000.00	101,158.86
Transfers .....		101,698.32			
Market St. Railway 4½% Bond Redemption F'd, 1910	6,000.00			1,154.56	
Transfers .....		6,000.00		6,000.00	6,000.00

## PROOF—Continued

## FUNDS

	Cash on Hand July 1, 1915	Receipts and Transfers	Disbursements and Transfers	Cash on Hand June 30, 1916
Mission Park 3½% Bond Redemption Fund, 1904.....	6,908.39	7,264.52	7,300.00	7,229.61
Transfers .....		356.70		
Polytechnic High School 4½% Bond Redemption Fund, 1910 .....	90.48	24,786.49	25,000.00	34.48
Transfers .....		207.51		
Sewer 5% Bond Redemption Fund, 1908.....	99,339.33	98,623.06	100,000.00	98,077.25
Transfers .....		114.86		
City and County Good Roads Fund.....	72,955.20	112,122.51	80,718.28	114,359.43
Transfers .....		10,000.00		
Duplicate Tax Fund.....	16,193.75	5,871.39	4,633.71	18,101.17
Transfers .....		686.87	17.13	
General Fund .....	1,619,643.73	9,173,185.43	9,793,970.77	1,171,809.13
Transfers .....		264,375.42	91,424.68	
Investment Fund .....		138,878.38	138,878.38	200,000.00
Transfers .....		200,000.00		
Municipal Railway Fund.....	312,044.04	1,999,681.81	1,318,852.15	281,310.98
Transfers .....		2,279.52	713,842.24	
Municipal Railway Accident Insurance Fund.....	25,237.65	23,906.99		49,144.64
Transfers .....				
Municipal Railway Depreciation Fund.....	173,072.26	21,500.50	286,543.42	174,964.59
Transfers .....		367,935.25	101,000.00	



AUDITOR

Police Relief and Pension Fund.....	18,142.64	25,533.41	108,620.95	15,364.76
Transfers .....		80,309.66		
Public Administrator's Fund.....		10,271.18	216.74	10,044.53
Transfers .....			9.91	
Stockton St. Tunnel Assessment Fund.....	3,795.17	38,604.11	17,667.68	17,887.99
Transfers .....			6,843.61	
Stockton St. Tunnel Interest Fund.....	9,718.95	203.00	7,973.31	8,792.25
Transfers .....		6,843.61		
Twin Peaks Ridge Tunnel Assessment Fund No. 1.....	364,475.49	823,659.82	918,088.92	147,860.95
Transfers .....		98,972.04	221,157.48	
Twin Peaks Ridge Tunnel Assessment Fund No. 2.....		16,406.91		15,341.44
Transfers .....			1,065.47	
Twin Peaks Ridge Tunnel Interest Fund.....	61,861.82	3,159.83		187,601.82
Transfers .....		221,537.58	98,957.41	
Unapportioned Fee Fund.....	27,154.35	273,240.65	17,983.95	26,904.63
Transfers .....			255,506.42	
Water Works Fund.....	3,960.23	6,056.89	7,934.94	2,382.18
Transfers .....		300.00		
	<hr/>	<hr/>	<hr/>	<hr/>
	\$4,124,364.86	\$14,782,898.04	\$15,613,669.49	\$3,293,593.41

**TREASURER IN CASH ACCOUNT WITH AUDITOR FOR MONEY BELONGING TO THE STATE OF  
CALIFORNIA, FISCAL YEAR 1915-1916**

Dr.		Cr.
To Amount Paid State Treasurer.....	\$1,500,897.13	
To State's Portion Refunded Taxes.....	12.57	
To Balance on Hand June 30th, 1916.....	8,514.62	
		By Cash on Hand July 1, 1915.....\$ 4,913.33
		By Inheritance Taxes..... 1,417,677.22
		By Maintenance of Juveniles:
		California School for Girls..... 1,392.19
		Home of Feeble Minded..... 31,540.00
		Preston School of Industry..... 6,039.15
		Whittier Reform School..... 300.82
		By Poll Taxes (Tax Collector)..... 12.00
		By Redemption of Property Sold to State.. 2,402.74
		By Public Administrator..... 24,879.21
		By Public School Teachers' Permanent F'd:
		Contributions.....\$16,570.00
		Earned Interest on Bonds.... 2,200.00
		By Sales, Sec. 3771 Political Code..... 305.83
		By Taxes..... 1,191.83
		<hr/>
		\$1,509,424.32
		<hr/> \$1,509,424.32

**PUBLIC MONEYS OF THE CITY AND COUNTY OF SAN FRANCISCO ON DEPOSIT IN BANKS**

Subject to Withdrawal on Demand of Treasurer

Rate of Interest, 2% per annum. Bonds of the United States, State of California, and City and County of San Francisco held as security

Amounts included in Treasurer's Cash on Hand

City or Town	Name of Bank	
Alameda	Alameda National	\$ 11,250.00
“	Alameda Savings	45,000.00
Auburn	Auburn Savings	9,000.00
“	First National	3,790.00
Berkeley	First National	37,500.00
“	Homestead Savings	6,000.00
“	South Berkeley	12,500.00
Calistoga	Calistoga National	5,500.00
Campbell	Bank of Campbell	3,500.00
Chico	Butte County National	18,000.00
Coalinga	First National	4,500.00
Concord	Bank of Concord	7,500.00
Crescent City	Del Norte County Bank	5,500.00
Dixon	First National	7,125.00
Durham	Commercial Bank	9,000.00
Ferndale	Ferndale Bank	7,000.00
Ft. Bragg	First National	23,750.00
Ft. Jones	Scott Valley Bank	15,000.00
Fresno	First National	27,000.00
“	Union National	16,950.00
Folsom	Bank of Folsom	2,500.00
Gilroy	Bank of Gilroy	7,500.00
Healdsburg	First National	6,750.00
“	Healdsburg National	9,000.00
“	Healdsburg Savings	5,500.00
Livermore	First National	10,500.00
“	Farmers' and Merchants	9,650.00
“	Livermore Savings	10,350.00
“	Livermore Valley Savings	5,500.00
Loleta	Bank of Loleta	4,000.00
Lompoc	Bank of Lompoc	7,500.00
Marysville	The Rideout Bank	25,000.00
Merced	First National	1,350.00
Napa	First National	5,500.00

## PUBLIC MONEY ON DEPOSIT IN BANKS—Continued

City or Town	Name of Bank	
Nevada City	Citizens' Bank of Nevada City	27,250.00
Oakland	Central Savings Bank of Oakland	26,250.00
"	The Bank of Commerce of Oakland	7,500.00
"	First Savings Bank of Oakland	30,000.00
Palo Alto	First National	7,500.00
Petaluma	Petaluma National	40,000.00
"	Petaluma Savings	19,500.00
"	The California Savings	21,000.00
"	Sonoma County National	59,000.00
"	Swiss American	14,000.00
Pittsburg	Contra Costa County Bank	7,500.00
Pleasanton	First National	5,400.00
Placerville	A. Mierson Banking Co.	12,500.00
Redding	Northern California National	11,250.00
Sacramento	California National	37,000.00
"	California Savings	15,000.00
"	National Bank of D. O. Mills & Co.	27,150.00
San Francisco	Anglo California Trust Co.	118,875.00
"	Anglo & London Paris National	450,000.00
"	American National	96,300.00
"	Bank of California, N. A.	346,875.00
"	First Federal Trust Co.	177,250.00
"	French American Bank of Savings	175,000.00
"	Bank of Italy	409,000.00
"	Italian American	157,000.00
"	Mercantile National	300,000.00
"	Merchants' National	288,000.00
"	The Mission Bank	26,250.00
"	Mutual Savings	60,000.00
"	Portuguese American	66,000.00
"	Seaboard National	67,500.00
"	Union Trust Co.	332,812.50
"	Wells Fargo Nevada National	525,000.00
San Luis Obispo	Union National	4,500.00
San Mateo	National Bank of San Mateo	22,500.00
San Pedro	First National	5,250.00
Santa Rosa	Santa Rosa National	42,000.00
"	Santa Rosa Bank	41,250.00
Salinas	Monterey County Bank	7,500.00
"	Salinas City Bank	20,000.00
St. Helena	Savings Bank of St. Helena	12,500.00
Sebastopol	First National	19,380.00

**PUBLIC MONEY ON DEPOSIT IN BANKS—Continued**

City or Town	Name of Bank	
Sonora .....	First National .....	34,000.00
Stockton .....	Commercial and Savings.....	33,750.00
“ .....	San Joaquin Valley National.....	100,000.00
Suisun .....	First National .....	17,000.00
Tomales .....	Bank and Trust Co.....	18,000.00
Tulare .....	Bank of Tulare .....	10,500.00
Turlock .....	People's State .....	6,900.00
Vallejo .....	Vallejo Commercial .....	22,500.00
Valley Ford .....	Dairymen's .....	13,000.00
Walnut Creek.....	San Ramon Valley Bank.....	12,750.00
Wheatland .....	Farmers' Bank .....	12,900.00
		<hr/>
		\$4,805,807.50

**STATEMENT OF TAXES FOR FISCAL YEAR 1915-1916**  
**TAX COLLECTOR IN ACCOUNT WITH AUDITOR**

Dr.	Cr.
To Real Estate Taxes, non-operative, City and County.....\$10,776,469.14	By Cash Paid City and County Treasurer Account of non-operative Taxes and Penalties .....\$11,272,453.02
To Personal Property Taxes, City and County .....	By Property Sold to the State for Taxes for previous years.....
To Penalties Collected on non-operative Taxes .....	By Property Sold to the State for Taxes for the year 1915.....
To Additional Charge to correct errors in Real Estate Rolls.....	By Property Withdrawn from Sale Sec. 3806, P. C.....
To Additional charge to correct errors in Personal Property Rolls.....	By Partial Payments (amounts still due) By Taxes Cancelled by Auditor, Sec. 3805, P. C.....
	By Delinquent Unsecured Personal Prop- erty Taxes, non-operative City and County .....
	9,902.87
	\$11,373,343.25
	\$11,373,343.25

**SUMMARY OF PROPERTY TAXES AND PENALTIES COLLECTED  
BY TAX COLLECTOR AND PAID INTO TREASURY DURING  
THE FISCAL YEAR 1915-16**

	Taxes	Penalties	Total
1915—On City and County and State Real Estate and Personal Property	\$11,256,325.47	\$16,127.55	\$11,272,453.02
1914—On City and County and State Real Estate and Personal Property	2,710.96	51.40	2,762.36
1913—On City and County and State Real Estate and Personal Property	31.93	6.38	38.31
1912—On City and County and State Real Estate and Personal Property	.10	.02	.12
1911—On City and County and State Real Estate and Personal Property	.40	.08	.48
1906—On City and County and State Real Estate and Personal Property	.72	.09	.81
1905—On City and County and State Real Estate and Personal Property	3.64	.46	4.10
	<hr/> \$11,259,073.22	<hr/> \$16,185.98	<hr/> \$11,275,259.20

**ADDITIONAL AMOUNTS COLLECTED BY TAX COLLECTOR  
DURING FISCAL YEAR 1915-16**

Costs .....	\$	1,790.50
Duplicate and Overpayment of Taxes.....		5,687.35
Sales for State of California.....		2,177.00
Sale of Poll Taxes.....		8.00

**TUNNEL ASSESSMENTS, INTEREST, COSTS, ETC., COLLECTED  
BY TAX COLLECTOR DURING FISCAL YEAR 1915-16**

Twin Peaks Ridge Tunnel.....	\$	844,968.20
Stockton St. Tunnel .....		38,604.11





AUDITOR

To Taxes on Unsecured Personal Property Collected by Assessor.....	817,755.52	
Mission Park 3½%.....		7,264.52
Playground 3½% .....		18,169.24
School 3½% .....		87,814.76
Sewer 3½% .....		1,047.19
Street 3½% .....		40,571.56
Hospital-Jail 4½% .....		101,240.43
Polytechnic High School 4½%.....		24,786.49
Water Supply 1909 4½%.....		498.21
Exposition 5% .....		200,441.00
Fire Protection 5%.....		130,072.37
Garbage System 5%.....		49,399.75
Hospital 5% .....		101,698.32
Hall of Justice 5%.....		47,863.36
School 5% .....		199,809.15
Sewer 5% .....		98,623.06
By Common School Fund.....		1,372,987.09
By Duplicate Tax Fund.....		5,450.09
By General Fund .....		7,481,252.79
By General Fund, Commission Poll Taxes		2.00
By Library Fund .....		96,990.64
By Park Fund .....		377,183.86
By Firemen's Relief Fund.....		102,347.30
By State of California.....		2,544.88
By State of California, Poll Tax.....		6.00
		<hr/>
		\$12,327,313.97

\* Amount of Taxes and Penalties Collected in June, 1915, paid to Treasurer and apportioned to Fiscal Year 1916-17.

**STATEMENT OF POLL TAXES FOR FISCAL YEAR 1915-16**

Sales By Tax Collector:

2 Delinquent Poll Taxes @ \$4.00.....	8.00	
State of California.....		6.00
25% Commission .....		2.00
	<hr/>	
	8.00	<hr/> 8.00

## SUMMARY OF DEMANDS AUDITED, PAID AND OUTSTANDING, FISCAL YEAR ENDING JUNE 30th, 1916

FUNDS AND ACCOUNTS	Demands		Demands		Demands	
	Outstanding June 30, 1915	Audited 1915-1916	Total	1915-1916	Cancelled June 30, 1916	Outstanding June 30, 1916
Auditorium Fund .....	\$	9,721.19	9,721.19	8,983.16		738.03
<b>Bond Funds—</b>						
<b>Interest:</b>						
3½% County Jail and Hall of Justice, 1904 .....		3,349.50	3,349.50	3,349.50		
3½% Golden Gate Park Ex- tension to Presidio, 1904 .....		8,466.50	8,466.50	8,466.50		
3½% Library, 1904 .....		29,071.00	29,071.00	29,071.00		
3½% Mission Park, 1904 .....		7,537.25	7,537.25	7,537.25		
3½% Playground, 1904 .....		19,213.25	19,213.25	19,213.25		
3½% School, 1904 .....		23,679.25	23,679.25	23,679.25		
3½% Street, 1904 .....		19,138.00	19,138.00	19,138.00		
4½% Geary St. Railway, 1910 .....		82,642.50	82,642.50	82,642.50		
4½% Hospital-Jail Completion 1913 .....		48,487.50	48,487.50	48,487.50		
4½% Market St. Railway, 1910 .....		3,195.00	3,195.00	3,195.00		
4½% Polytechnic High School, 1910 .....		24,795.00	24,795.00	24,795.00		
4½% Water Supply (Hetch Hetchy), 1910 .....		79,605.00	79,605.00	79,605.00		
5% City Hall, 1912 .....		440,225.00	440,225.00	440,225.00		

## SUMMARY OF DEMANDS AUDITED, PAID AND OUTSTANDING—Continued

FUNDS AND ACCOUNTS	Demands Outstanding		Total	Demands Paid		Demands Outstanding June 30, 1916
	June 30, 1915	1915-1916		1915-1916	Cancelled June 30, 1916	
5% Exposition, 1912 .....	.....	131,525.00	131,525.00	131,525.00		
5% Fire Protection, 1908 .....	.....	258,275.00	258,275.00	258,275.00		
5% Garbage System, 1908 .....	.....	32,900.00	32,900.00	32,900.00		
5% Hall of Justice, 1908 .....	.....	40,975.00	40,975.00	40,975.00		
5% Hospital, 1908 .....	.....	87,125.00	87,125.00	87,125.00		
5% Municipal St. R'way, 1913 .....	.....	200,812.50	200,812.50	200,812.50		
5% School, 1908 .....	.....	236,600.00	236,600.00	236,600.00		
5% Sewer, 1908 .....	.....	197,375.00	197,375.00	197,375.00		
<b>Public Building:</b>						
3½% Library, 1904 .....	.....	384,671.37	384,671.37	384,303.37		368.00
3½% School, 1904 .....	.....	3,857.25	3,857.25	3,857.25		
3½% Sewer, 1904 .....	3,175.99	130,102.13	133,278.12	115,014.18		18,263.94
4½% Geary St. Railway, 1910 .....	457.90	31,820.50	32,278.40	27,900.10		*4,378.30
4½% Hospital- Jail Completion 1913 .....	4,665.75	241,358.41	246,024.16	217,804.84		a28,219.32
4½% Market St. Railway, 1910 .....	125.10	2,673.50	2,798.60	720.10		2,078.50
4½% Polytechnic High School, 1910 .....	3,250.06	26,407.20	29,657.26	29,657.26		
4½% Water Supply (Hetch Hetchy) 1910 .....	15,054.61	450,585.54	465,640.15	445,009.49		20,630.66
5% City Hall, 1912 .....	32,155.68	1,394,200.85	1,426,356.53	1,413,487.58		12,868.95

5% Fire Protection, 1908.....	11,495.39	619.35	12,114.74	12,018.34	96.40
5% Garbage System, 1908.....	.....	1,102.80	1,102.80	990.30	112.50
5% Hospital, 1908.....	16.50	.....	16.50	.....	16.50
5% Municipal St. Ry., 1913.....	12,396.24	278,285.61	290,681.85	292,792.24	*
5% School, 1908.....	30,944.02	64,664.57	95,608.59	95,598.59	10.00
5% Sewer, 1908.....	13,155.94	120,126.52	133,282.46	14,682.80	118,599.66
<b>Redemptions:</b>					
3½% County Jail and Hall of Justice, 1904.....	.....	17,400.00	17,400.00	17,400.00	.....
3½% Golden Gate Park Extension to Presidio, 1904.....	.....	8,200.00	8,200.00	8,200.00	.....
3½% Library, 1904.....	.....	41,100.00	41,100.00	41,100.00	.....
3½% Mission Park, 1904.....	.....	7,300.00	7,300.00	7,300.00	.....
3½% Playground, 1904.....	.....	18,500.00	18,500.00	18,500.00	.....
3½% School, 1904.....	.....	89,800.00	89,800.00	89,800.00	.....
3½% Sewer, 1904.....	.....	181,200.00	181,200.00	181,200.00	.....
3½% Streets, 1904.....	.....	40,500.00	40,500.00	40,500.00	.....
4½% Geary St. Railway, 1910.....	.....	95,000.00	95,000.00	95,000.00	.....
4½% Hospital-Jail Completion, 1913.....	.....	100,000.00	100,000.00	100,000.00	.....
4½% Market St. Ry., 1910.....	.....	6,000.00	6,000.00	6,000.00	.....
4½% Polytechnic High School, 1910.....	.....	25,000.00	25,000.00	25,000.00	.....
5% Exposition, 1912.....	.....	6,000.00	6,000.00	6,000.00	.....
5% Garbage System, 1908.....	.....	50,000.00	50,000.00	50,000.00	.....
5% Hall of Justice, 1908.....	.....	50,000.00	50,000.00	50,000.00	.....

## SUMMARY OF DEMANDS AUDITED, PAID AND OUTSTANDING—Continued

FUNDS AND ACCOUNTS	Demands		Total	Demands		Demands Outstanding Cancelled June 30, 1916
	Outstanding June 30, 1915	Audited 1915-1916		Paid 1915-1916		
5% Hospital, 1908 .....	.....	100,000.00	100,000.00	100,000.00		
5% School, 1908 .....	.....	200,000.00	200,000.00	200,000.00		
5% Sewer, 1908 .....	.....	100,000.00	100,000.00	100,000.00		
<b>Bequest Funds:</b>						
Robinson Bequest Fund.....	.....	40,000.00	40,000.00	40,000.00		1,909.32
Robinson Bequest Interest F'd	500.00	1,644.45	2,144.45	2,144.45		b61,785.45
Windel Bequest Interest Fund..	.....	800.00	800.00	800.00		c759,143.34
<b>City and County Good Roads Fund..</b>						**1,255,188.87
Common School Fund.....	65,921.56	2,111,203.02	2,177,124.58	2,115,339.13		d5,952.11
General Fund .....	790,638.36	9,702,680.03	10,553,318.39	9,793,970.77	204.28	80,640.51
Inheritance Taxes Fund.....	.....	1,261,111.50	1,261,111.50	1,261,111.50		
Library Fund .....	6,881.45	106,569.17	113,450.62	107,498.51		
Municipal Ey. Fund.....	123,281.23	1,282,211.43	1,405,492.66	1,318,852.15		
Municipal St. Ry. Depreciation F'd	151,384.80	135,158.62	286,543.42	286,543.42		
Park Fund .....	40,639.35	427,413.16	468,052.51	427,559.70		40,492.72
Relief Home Tract Fund.....	13,740.00		13,740.00	13,740.00		
<b>Relief Funds:</b>						
Firemen's Relief Fund.....	5,184.85	107,883.01	113,067.86	103,372.03		9,695.83
Police Relief and Pension Fund	27,575.30	106,273.90	133,849.20	108,620.95	187.50	25,040.75

**Rebate Funds:**

Duplicate Tax Fund.....	161.70	5,022.20	5,183.90	4,633.71	550.19
El Portal Way Sewer Fund.....		10,964.00	10,964.00	10,964.00	
Excavation Fund.....	1,028.15	15,255.20	16,283.35	15,559.55	723.80
House Moving Funds:					
Dept. of Electricity.....		413.15	413.15	340.00	73.15
Dept. of Public Works.....	500.00	2,000.00	2,500.00	2,300.00	200.00
Investment Fund.....		138,878.38	138,878.38	138,878.38	
Overpayment Corporation Taxes		6.00	6.00	6.00	
Police Court Bail Money Acct.	4,055.00	714,690.00	718,745.00	713,070.00	5,675.00
Special Badge Fund.....	50.00	780.00	830.00	820.00	10.00
Special Permit Fund.....	25.80	46,521.00	49,101.00	45,781.00	3,320.00
Tearing Up Streets Fund.....	3,280.62	63,323.45	66,604.07	62,148.90	4,455.17
<b>Special Inspection Fund.....</b>	<b>1,766.70</b>	<b>18,993.50</b>	<b>20,760.20</b>	<b>17,842.55</b>	<b>2,917.65</b>
<b>Street Improvement Fund.....</b>		<b>22,779.08</b>	<b>22,779.08</b>		
<b>Street Assessments:</b>					
Sundry St. Assessments Funds	30.00	582.00	612.00	612.00	
<b>Street Assessment Redemptions Fund:</b>					
Sundry St. Redemption Funds		375.52	375.52	375.52	
<b>Teachers' Institute Fund.....</b>	<b>2.50</b>	<b>226.65</b>	<b>229.15</b>	<b>226.65</b>	<b>2.50</b>
<b>Trust and Court Funds:</b>					
Absent Creditors' Account.....		12.50	12.50	12.50	
Absent Heirs' Account.....		440.92	440.92	440.92	
County Clerk's Special Account		110,572.40	110,572.40	110,517.40	55.00
Public Administrator's Account		216.74	216.74	216.74	





a P. B. Hospital-Jail Completion Bond Fund Payments by Treasurer should be \$150.00 more (Corrected in July, 1916). This was paid out of Library Fund, making outstandings \$28,069.32.

b Common School Fund Payments by Treasurer should be \$.90 less (Corrected in July, 1916), making outstandings \$61,786.35.

c General Fund Payments by Treasurer should be \$.08 more (Corrected in July, 1916), making outstandings \$759,143.26.

d Library Fund Payments by Treasurer should be \$150.00 less (Corrected in July, 1916). This should have been paid out of P. B. Hospital-Jail Bond Fund, making outstandings \$6,102.11.

e Municipal Railway Fund Payments by Treasurer should be \$1.00 less (Corrected in July, 1916), making outstandings \$86,641.51.

f Park Fund Payments by Treasurer should be \$.20 more (Corrected in July, 1916), making outstandings \$40,492.52.

\* Demand No. 3642 for \$4,375.80, paid out of P. B. Municipal Railway 5% Bond Fund, 1913, should have been paid out of P. B. Geary Railway 4½% Bond Fund, 1910, making outstandings for P. B. Municipal Railway 5% Bond Fund, 1913, \$2,265.41, and for P. B. Geary Railway 4½% Bond Fund, 1910, \$2.50.

\*\* \$165,965.57 was paid to the State of California but not audited, as the auditing of disbursements on the Inheritance Taxes Fund was not commenced until September 15, 1915.

The sum of \$5,922.63 under "Payments" represents cash disbursements for appraisers' fees, etc., paid out of the Inheritance Taxes Fund.

The sum of \$1,421,154.44 was debited against Inheritance Taxes Fund and credited to State of California Account through distribution journal entry as shown at the end of "Treasury Payments." The amount is included in payments out of State of California Account.

Adding \$165,965.57 to \$1,261,111.50, demands audited, produces \$1,427,077.07, total audits. Adding the payments \$5,922.63 to \$1,421,154.44 produces \$1,427,077.07—gross payments, Inheritance Taxes Fund—thus eliminating the apparent outstandings.

**OUTSTANDING BALANCES ON CONTRACTS CERTIFIED BY  
AUDITOR, FISCAL YEAR ENDING JUNE 30, 1916**

<b>P. B. Library 3½%, Issue of 1904—</b>	
Construction of Library Building.....	295,752.00
<b>P. B. Fire Protection 5%, Issue of 1908—</b>	
Improvement of Clarendon and Bur- nett Sts. to St. Germain Ave.....	825.00
<b>P. B. Garbage 5%, Issue of 1908—</b>	
Incinerators .....	126,322.23
<b>P. B. Hetch Hetchy (Water) 4½%, Issue of 1910—</b>	
Construction, etc. ....	1,410,890.25
<b>P. B. Hospital-Jail Completion 4½%, Issue of 1913—</b>	
Construction .....	792,904.25
<b>P. B. Municipal St. Railway 5%, Issue of 1913—</b>	
Construction, Cars, etc. ....	65,657.03
<b>P. B. Polytechnic High School 4½%, Issue of 1910—</b>	
Construction .....	2,128.15
<b>P. B. City Hall 5%, Issue of 1912—</b>	
Construction .....	121,772.23
<b>General Fund 1913-1914—</b>	
<b>Special Street Levy:</b>	
Paving Brick .....	2,291.60
<b>General Fund 1914-1915—</b>	
<b>Special Street Levy:</b>	
Paving Oakdale Ave., San Bruno Road .....	192.81
<b>General Fund 1914-1915—</b>	
Bascule Bridge, Fourth and Channel Sts. ....	43,957.13
Election Booths, Painting.....	73.85
Juvenile Home, Electrical Work.....	2,651.00
Juvenile Home, Electrical Elevators..	2,885.00
Juvenile Home, Fire Escapes.....	200.00
Juvenile Home, General Construction	54,200.00

**CONTRACTS CERTIFIED BY AUDITOR—OUTSTANDING  
BALANCES—Continued**

Juvenile Home, Plumbing.....	7,150.00
Juvenile Home, Ventilating.....	3,390.00
Polytechnic High School Construction	500.00

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115,006.98

**General Fund, 1915-1916—**

City Hall, Lighting Fixtures.....	4,999.00
City Hall, Stationary Furniture.....	5,109.00
City Hall, Stationary Furniture.....	1,000.00
City Hall, Sidewalks.....	5,090.30
Curbing, Glen Park School.....	740.00
Engine House No. 4, Construction.....	30,264.00
Engine House No. 8, Construction.....	29,559.00
Engine House No. 17, Construction....	30,330.00
Election Booths, Painting.....	510.00
Improvement, Arguello Boulevard, Edward and Geary Sts.....	4,428.77
Improvement, Jones, Lombard and Greenwich Sts. ....	1,104.34
Improvements, Municipal Water Wks.	3,710.00
Juvenile Home, Finish Hardware.....	2,550.00
Motor Roller .....	3,750.00
Ocean Esplanade Construction, Sec. A	33,357.86
Relief Home Power Plant.....	5,103.00
School Construction, Daniel Webster School .....	57,626.00
School Construction, Redding School, General .....	12,221.75
School Construction, Redding School, Steel .....	305.25
School Construction, Redding School, Heating and Ventilating.....	3,960.00
School Construction, Redding School, Plumbing .....	6,376.00
School Construction, Redding School, Brick Work .....	23,585.00
Sewer Construction, Oakdale Ave.....	19,517.50
Sewer Construction, South Bay View	16,302.29
Sewer Construction, Sloat Boulevard, 24th to 31st Ave.....	16,394.00
Stairway, 18th and Indiana Sts.....	538.00

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318,431.06

**CONTRACTS CERTIFIED BY AUDITOR—OUTSTANDING  
BALANCES—Continued**

**Good Roads Fund—**

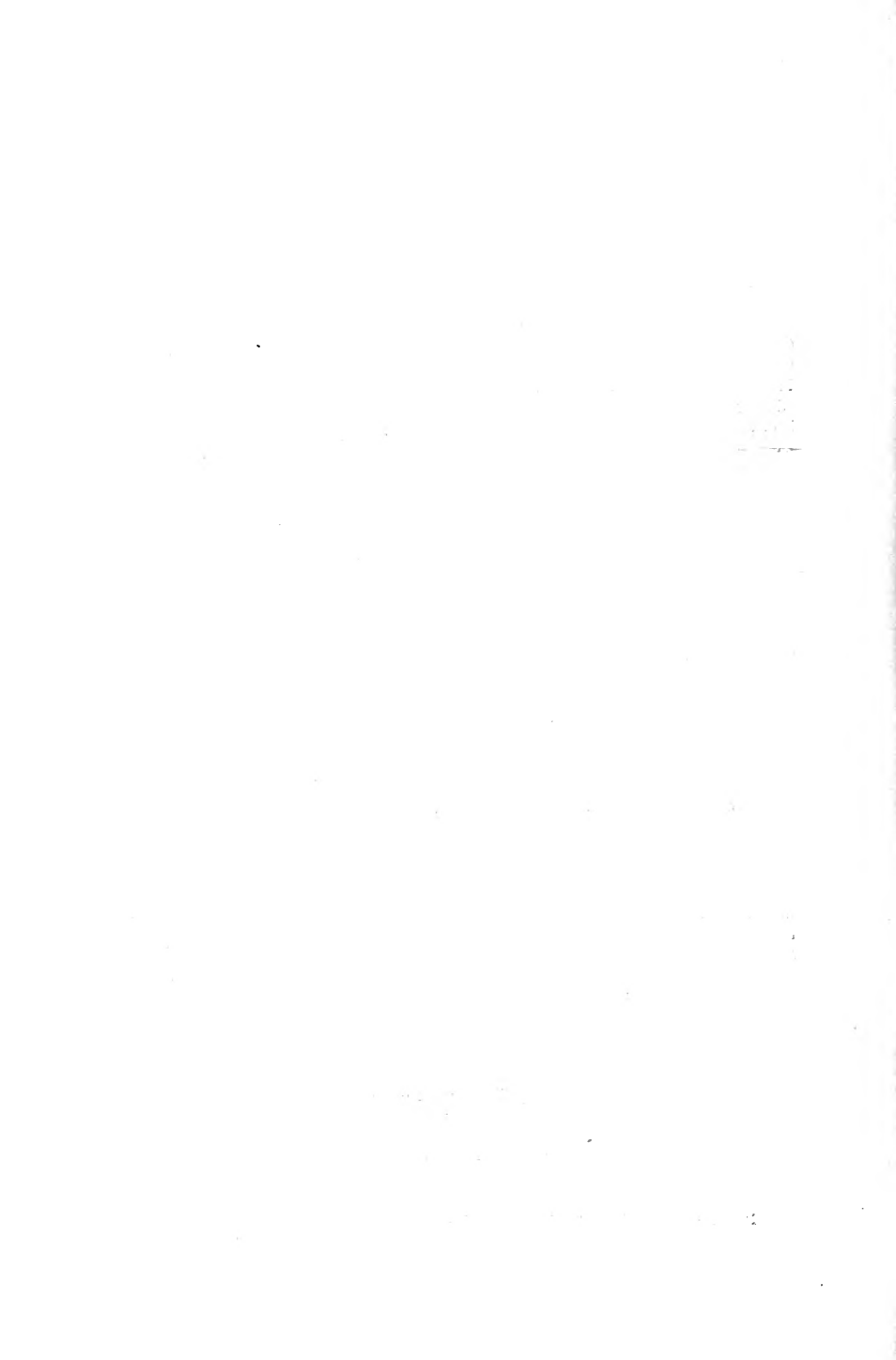
Improvement, Corbett Ave, S. M. Ranch to 24th St.....	5,087.44	
Improvement, Corbett Ave. to Twin Peaks Reservoir .....	24,599.32	
Improvement, Clarendon Ave., Bur- nett to St. Germain Ave.....	3,400.00	
Improvement R. R. Ave., Hollister to San Bruno Ave.....	2,257.71	
	<hr/>	35,344.47

**Municipal Railway Fund—**

Paving in front of Municipal Car House .....		120.56
		<hr/>
		\$3,287,638.62

Date and Name of Issue of J	to Be	Bonds		Annual	Serial
	deemed	Outstanding	Outstanding	Redemption	Maturity
as of	June 30, 1916	July 3, 1916	as of		
County Jail and Golden Gate Park Hospital	17,400	\$ 87,000	\$ 69,600	\$ 17,400	1905-1920
Hospital	8,200	237,800	229,600	8,200	1905-1944
Library				25,000	1905-1914
Mission Park	41,100	1,028,600	987,500	41,100	1905-1944
Playground	7,300	211,700	204,400	7,300	1905-1944
School	18,500	536,500	518,000	18,500	1905-1944
Sewer	89,800	628,600	538,800	89,800	1905-1922
Street				181,200	1905-1915
	40,500	526,500	486,000	40,500	1905-1928
<b>Issue of J</b>					
Fire Protection	130,000	5,200,000	5,070,000	130,000	1916-1955
Garbage System	50,000	638,000	588,000	50,000	1911-1930
Hall of Justice	50,000	800,000	750,000	50,000	1912-1931
Hospital	100,000	1,700,000	1,600,000	100,000	1913-1932
School	200,000	4,600,000	4,400,000	200,000	1914-1938
Sewer	100,000	3,900,000	3,800,000	100,000	1915-1954
<b>Miscellaneous</b>					
Hospital and Jail Water Supply, J		1,150,000	1,150,000	100,000	1916-1932
Polytechnic High		525,000	525,000	25,000	1914-1937
Geary Street Rail	95,000	1,805,000	1,710,000	95,000	1915-1934
Market Street Rail	6,000	75,000	69,000	6,000	1915-1934
Water Supply, H		4,185,000	4,185,000	1,000,000	1920-1964
<b>Miscellaneous</b>					
City Hall, July 1		8,800,000	8,800,000	200,000	1917-1960
Exposition, May	200,000	4,800,000	4,600,000	200,000	1915-1939
Municipal Railwa		3,500,000	3,500,000	100,000	1918-1952
Totals	153,800	\$44,934,700	\$43,780,900	\$2,885,000	
			\$51,954,700		
2, 1916			8,173,800		
			\$43,780,900		

Note:—Exp



AUDITOR

BONDED INDEBTEDNESS, NOV. 8, 1910

Bonds of July 1, 1904. 3½%.

No. of Ordinance

Under Which

Bonds Were

Issued

Bonds Issued

Face Value

Date of Sale

Amount

Items of

Bonds Redeemed

Face Value

Falling Due  
12 Months  
After Mar. 1,  
1911

*County Jail and Hall of Justice.....	1114 and 1401	\$ 278,400	Mar. 2, 1905	\$ 261,000	6 redemptions at \$17,400	\$ 174,000	\$ 17,400
*Golden Gate Park Extension to Presidio.....	1114 and 1401	328,000	Mar. 17, 1905	17,400	6 redemptions at \$ 8,200	278,800	8,200
*Hospital .....	1114 and 1401	250,000	Jan. 20, 1905	328,000	6 redemptions at \$25,000	100,000	25,000
*Library .....	1114 and 1401	739,800	Mar. 1, 1905	250,000	6 redemptions at \$41,100	493,200	41,100
*Mission Park .....	1114 and 1401	292,000	Feb. 7, 1905	739,800	6 redemptions at \$7,300	248,200	7,300
*Playgrounds .....	1114 and 1401	740,000	Jan. 20, 1905	292,000	6 redemptions at \$18,500	629,000	18,500
*School .....	1114 and 1401	1,077,600	Feb. 7, 1905	500,000	6 redemptions at \$89,800	538,800	89,800
			Mar. 1, 1905	50,000	6 redemptions at \$181,200		
			Mar. 10, 1905	61,800		1,087,200	
			Mar. 17, 1905	89,800			
			Mar. 21, 1905	269,400			
			Apr. 4, 1905	89,800			
			May 10, 1905	50,000			
			May 19, 1905	89,800			
			May 24, 1905	377,000			
*Sewer .....	1114 and 1401	1,087,200	Mar. 1, 1905	25,000			
			Mar. 1, 1905	181,200			
			Mar. 2, 1905	75,000			

\* Date when interest is payable, June 30, Dec. 31. Rate of interest 3½%.

**BONDED INDEBTEDNESS, NOV. 8, 1910—Continued**

Bonds of July 1, 1904, 3½%.

No. of Ordinance

Under Which

Municipal Bonds  
Name of Bonds

Bonds Were  
Issued

Bonds Issued  
Face Value

Date of Sale

Items of  
Amount

Bonds  
Redeemed

Outstanding  
Face Value

Falling Due  
12 Months  
After Mar. 1,  
1911

May 24, 1905	343,600					
June 1, 1905	100,000					
Jan. 29, 1909	15,000					
Apr. 30, 1909	87,000					
May 7, 1909	43,000					
June 29, 1909	36,200					
Jan. 18, 1910	65,000					
May 24, 1910	8,000					
June 13, 1910	16,200					
June 22, 1910	20,000					
June 23, 1910	9,000					
June 28, 1910	33,000					
June 29, 1910	30,000					
Mar. 1, 1905	102,500					
Mar. 2, 1905	100,000					
Mar. 17, 1905	40,500					
Mar. 1, 1906	324,000					
Apr. 1, 1907	25,000					
Apr. 17, 1907	75,000					
Apr. 26, 1907	55,000					
Sept. 24, 1908	12,500					
Feb. 26, 1909	10,000					
May 29, 1909	5,000					
July 28, 1909	4,500					
May 9, 1910	40,000					
*Street .....				1114 and 1401	829,000	
				6 redemptions at \$40,500	243,000	586,000
						40,500

\*Street .....





## BONDED INDEBTEDNESS, NOV. 8, 1910—Continued

Bonds of July 1, 1908. 5%.

No. of Ordinance

Under Which

Municipal Bonds  
Name of BondsBonds Were  
IssuedBonds Issued  
Face Value

Date of Sale

Items of  
AmountBonds  
RedeemedOutstanding  
Face ValueFalling Due  
12 Months  
After Mar. 1,  
1911

†Hall of Justice.....	497	660,000	Apr. 15, 1909 May 19, 1909 June 11, 1909 Aug. 19, 1909	150,000 15,000 335,000 160,000	660,000	
†Hospital .....		1,120,000	Oct. 22, 1908 May 19, 1909 June 11, 1909 Sept. 2, 1909 Dec. 22, 1909 Jan. 15, 1910	280,000 80,000 170,000 150,000 66,000 374,000	1,120,000	
†Sewer .....		2,600,000	Oct. 17, 1908 July 8, 1909 July 19, 1909 July 27, 1909 Aug. 13, 1909 Aug. 31, 1909 Sept. 15, 1909 Dec. 24, 1909 Jan. 15, 1910	800,000 200,000 200,000 100,000 100,000 100,000 100,000 300,000 700,000	2,600,000	
†School .....		2,900,000	Oct. 26, 1908 Mar. 31, 1909 Apr. 15, 1909 Apr. 30, 1909	1,200,000 50,000 50,000 400,000	2,900,000	

May 19, 1909	15,000		
June 11, 1909	285,000		
July 19, 1909	100,000		
Dec. 22, 1909	852,000		
Dec. 30, 1909	160,000		
Jan. 11, 1910	7,000		
Jan. 15, 1910	281,000		
			4,200,000
Oct. 15, 1908	1,000,000		
Mar. 31, 1909	750,000		
Apr. 30, 1909	600,000		
June 1, 1909	100,000		
Aug. 9, 1909	100,000		
Sept. 15, 1909	450,000		
Dec. 22, 1909	210,000		
Dec. 24, 1909	420,000		
Jan. 15, 1910	570,000		
			\$18,990,000
			\$16,816,000
			\$2,674,000

† Fire Protection .....

† Date when interest is payable, Jan. 1, July 1. Rate of interest 4½%.

STATEMENT OF ASSESSED VALUE OF PROPERTY, RATE OF TAXATION AND AMOUNT OF TAX LEVIED FROM  
1850 TO 1916-1917 INCLUSIVE

Fiscal Year	ASSESSED VALUE			RATE PER \$100 VALUATION		
	Valuation of Real Estate & Improvements	Valuation of Personal Property	Total Valuation	Rate for City and County Purposes	Rate for State Purposes	Total Rate on Each \$100 Valuation
1850	\$16,849,054.00	\$ 4,772,160.00	\$21,621,214.00	\$1,500	.50	\$2,000
1851	11,141,463.00	2,875,463.00	14,016,903.00	3,600	.50	4,100
1852	15,676,356.00	2,805,381.00	18,481,737.00	4,315	.30	4,615
1853	24,048,250.00	4,852,000.00	28,900,250.00	3,255	.60	3,855
1854	28,295,220.00	5,837,607.00	34,162,827.00	3,295	.60	3,895
1855	27,002,725.00	5,973,847.00	32,976,572.00	3,155-6	.70	3,855-6
1856	26,174,284.00	4,194,970.00	30,368,254.00	1,600	.70	2,300
1857	22,970,841.00	12,426,385.00	35,397,176.00	1,700	.60	2,300
1858	19,501,150.00	11,224,800.00	30,725,950.00	1,850	.60	2,450
1859	20,696,220.00	9,323,020.00	30,019,222.00	2,369	.60	3,169
1860	25,125,325.00	10,683,814.00	35,809,639.00	2,350	.60	2,850
1861-62	41,870,811.00	Real & Personal	41,870,811.00	2,25	.62	2,87
1862-63	37,016,101.87	29,540,553.93	66,566,655.00	1,975	.77	2,74½
1863-64	43,153,212.50	35,566,125.21	78,709,337.71	1,20	.90	2,10
1864-65	47,345,973.66	35,851,652.03	83,197,725.79	1,73	1.25	2,98
1865-66	49,159,047.00	29,775,496.34	88,934,543.34	1,97	1.15	3,12
1866-67	53,131,183.00	43,214,976.43	96,740,159.43	1,87	1.15	3,02
1867-68	58,207,861.85	51,152,963.88	109,360,825.73	1,97	1.13	3,10
1868-69	63,631,721.22	42,782,307.60	106,414,028.82	2,05	1.00	3,05
1869-70	69,776,603.00	44,982,907.67	114,759,510.63	2,11	.97	3,08
1870-71	75,145,717.00	31,246,159.00	106,391,876.00	1,98	.865	2,84½
1871-72	76,124,551.00	28,900,988.00	105,025,534.00	2,105	.865	2,97
1872-73	180,571,540.00	108,011,616.90	288,583,256.00	1,00	.50	1,50
1873-74	212,407,505.00	Real & Personal	212,407,505.00	1,10	.50	1,60
1874-75	162,466,177.00	101,763,267.00	264,229,444.00	1,45	.64 9-10	2,09 9-10
1875-76	169,944,927.00	99,160,814.00	269,105,741.00	1,00	.60 5-10	1,60½
1876-77	190,222,863.00	70,354,615.00	260,576,967.00	1,39	.73 5-10	2,12½
1877-78	190,973,720.00	63,873,350.00	254,867,060.00	1,20	.63	1,83
1878-79	190,280,810.00	54,196,550.00	244,477,360.00	1,69	.55	2,24
1879-80	166,429,845.00	51,057,239.00	217,487,074.00	1,37	.62 5-10	1,995
1880-81	165,023,658.00	279,287,788.00	444,311,396.00	1,15	.64	2,21
1881-82	168,301,639.00	71,121,990.00	239,423,662.00	1,15	.65 5-10	1,80 5-10
1881-82	155,834,379.00	66,598,521.00	222,433,400.00	1,15	.65 5-10	1,80 5-10
1882-83	151,894,908.00	50,267,099.00	202,162,007.00	1,20 63-100	.59 6-10	1,80 23-100

*1883-84	182,531,759.00	70,691,188.00	253,452,899.00				
*1883-84	156,723,269.00	62,272,534.00	221,225,245.00	1.20	.49 7-10	1.69 7-10	
*1884-85	180,917,078.00	64,240,218.00	245,157,396.00	1.125	.45 2-10	1.57 7-10	
1884-85	164,495,888.00	59,013,672.00	223,509,560.00				
1885-86	171,416,426.00	56,192,922.00	227,609,348.00				
*1885-86	192,843,592.00	61,482,367.00	254,325,959.00	1.04 89-100	.54 4-10	1.54 29 100	
1886-87	175,409,145.00	54,741,864.00	230,151,009.00	1.01 10-100	.56	1.57 1-10	
1887-88	191,618,454.00	60,127,657.00	251,746,111.00	1.14 78-100	.60 8-10	1.75 58-100	
1888-89	211,467,937.00	61,921,629.00	273,389,566.00	1.06 7-10	.50 4-10	1.57 1-10	
**1889-90	241,119,410.00	64,920,995.00	306,040,405.00	1.00	.72 2-10	1.72 2-10	
1890-91	235,361,768.00	66,082,372.00	301,444,140.00	1.03	.58	1.61	
City & County							
*1891-92	244,515,331.00	67,050,748.00	311,556,079.00				
State							
1891-92	317,864,930.00	81,956,147.00	399,826,077.00	1.03	.44 6-10	1.47 6-10	
City & County							
*1892-93	277,340,008.00	68,884,698.00	346,224,706.00				
State							
1892-93	332,308,010.00	79,239,002.00	412,047,076.00	1.00	.43 4-10	1.43 4-10	
1893-94	276,457,420.00	66,186,759.00	342,644,174.00	1.03	.57 6-10	1.60 6-10	
*1894-95	261,308,995.00	63,299,903.00	325,108,898.00	1.00	.49 3-10	1.49 3-10	
1895-96	265,018,605.00	62,786,542.00	327,805,147.00	1.565	.68 2/3	2.25	
*1896-97	330,401,154.00	91,688,562.00	422,069,716.00	1.96 92-100	.42 9-10	1.39 82-100	
1897-98	278,157,865.00	69,797,055.00	347,954,920.00	1.185 4	.51	1.69 54-100	
1898-99	282,769,730.00	69,574,331.00	352,344,061.00	1.318	.48 8-10	1.806	
1899-1900	285,305,370.00	119,806,245.00	405,111,615.00	1.029	.60 1-10	1.63	

On account of records having been destroyed by fire it is impossible to segregate and classify the property as in the following statement.

## CLASSIFIED PROPERTY VALUATION OF ASSESSMENTS FROM 1900 TO 1917 INCLUSIVE, SHOWING THE INCREASE AND DECREASE EACH YEAR.

## AUDITOR

Year	Real Property	Improvements	Money and Savings Cr.	Other Personal Property	Total	Tax Levy	Increase	Decrease
1900-01	\$190,457,425	\$ 98,073,220	\$35,332,828	\$85,783,481	\$410,146,954	\$1.625		
1901-02	182,447,170	97,234,822	37,779,400	85,883,435	413,346,827	1.5662	\$ 2,999,873	
1902-03	191,804,510	96,681,790	41,678,038	89,854,306	419,968,644	1.6082	6,821,817	
*1903-04	201,507,990	98,384,160	33,599,059	93,955,120	427,646,329	1.637	7,677,685	
1904-05	393,500,985	86,781,965	33,648,084	88,963,727	502,895,359	1.655	75,249,030	
1905-06	304,135,185	97,831,165	33,697,682	88,567,520	424,230,936	1.654	21,335,577	
1906-07	287,038,272	56,248,580	20,317,485	68,328,110	375,932,447	1.798		\$148,298,489
1907-08	260,657,806	66,816,201	33,746,680	68,390,931	429,611,618	1.860	53,679,171	
1908-09	258,652,434	90,860,558	35,180,615	69,640,553	454,334,160	1.900	24,722,542	
City & County								
*1909-10	283,169,233	122,974,828	30,606,757	56,116,219	492,867,037	1.60	38,532,877	
State raise								
on valuation								
1910-11	288,095,453	145,167,790	31,970,628	49,794,229	539,097,371	.364		
Non-operative					515,028,100	2.00	21,161,063	
1911-12	269,290,025	135,230,645	18,623,237	43,711,874	461,855,781	2.00		53,172,319
Operative	19,366,850	3,950,130	15,697,757	44,193,829	83,208,566	.05		
Non-operative	301,196,140	146,584,097	13,075,374	49,576,490	510,432,101	2.05	48,576,320	
Operative	22,518,920	23,246,100	25,494,125	23,122,003	94,381,148	.044		
Non-operative	303,903,155	151,378,977	13,985,210	50,980,194	526,247,536	2.20	15,815,435	
Operative	22,407,930	22,608,070	22,527,482	26,056,711	97,600,193	.042		
Non-operative	304,579,974	165,496,937	18,423,097	53,394,435	541,894,443	2.25	15,646,907	
Operative	21,477,260	28,378,191	31,041,464	24,416,156	105,313,071	.039		
Non-operative	304,288,151	172,536,727	15,935,329	45,943,543	538,703,750	2.25		3,190,693
Operative	22,901,250	27,212,039	33,656,659	33,870,531	117,640,479	.....		
Non-operative	302,575,489	175,587,605	17,231,204	47,368,758	542,563,056	2.26		
Operative	8,046,400	4,498,670	50,948,302	149,832,646	213,325,918	.....		
State							3,859,306	‡337,077,603

‡ Showing net increase over 17 years of \$132,416.12.

\* Years in which the State Board of Equalization increased the valuation of property for State purposes: 1881-82, 8%; 1883-84, 15%; 1884-85, 10%; 1885-86, 12½%; 1891-92, 30%; 1892-93, 20%; 1894-95, 15%; 1896-97, 20%; 1903-04, 30%; 1909-10, 10%.

\*\*Decrease of 5% in the fiscal year 1899-90.

† Until April 16, 1856, San Mateo County was included in San Francisco County.

‡ This property is operative and under Constitutional Amendment No. 1 cannot be taxed for City and County purposes.

## CITY AND COUNTY OF SAN FRANCISCO

Office of the Auditor

March 16, 1916.

Members of FINANCE COMMITTEE:

Gentlemen:

For several years I have devoted considerable time to the revision of the accounting system of the city government and the preparation of annual budget estimates. I have presented my suggestions and figures, under the new system, to two previous Finance Committees of the Board of Supervisors without results, and intend to offer the 1916-17 Budget to your Committee, with estimates, with the hope that you will follow these suggestions and, by so doing, place the City of San Francisco in the list of progressive municipalities now using satisfactorily this efficient method of scientific budget making:—A system of budget classification promoted by the Bureau of Statistics of the United States Government and endorsed by the Bureau of Municipal Research of New York and our own State and urged for acceptance on the part of all municipalities in order that experts sent by the United States Government may find a uniform system in all cities. Possibly it is a matter in which there is small need of my entering into any extended discussion with your Committee, but in the greater facility for the acquisition of reliable data on the part of all concerned, which is reached by means of a properly prepared budget, I have found so much of satisfaction and a growing realization of its importance that I feel it cannot be out of place to record my attitude at this time.

**Objects of the Budget.**

In a primary sense the objects of the municipal budget are to arrive at the required amounts for the administrative and operating expense of each department and to provide funds therefor; to fix a definite total, whose limit shall not be exceeded, and in thus restricting the expenditures in each department to a definitely stated sum, to exercise a positive and efficient control over the city's expenditures.

**The Budget a sure guide to competent administration.**

The budget, scientifically prepared, is not only a positive essential factor in the administration of the city's finances, but, being designed to meet the increasing demands of modern municipal governments, it should constitute an unfailling source of guidance to future administration in its clear and significant exposition of the costs of any undertaking.

**The Budget leads to an effective system of accounting control.**

The scientific compilation of the Budget, in pre-determining outlays and fixing their several channels, becomes therefore a substantial base upon which can be created an absolutely effective system of accounting control, not alone generally, but departmentally. From its prevision and result the city's experience (devoid of any experimentation) may be presented in occasional reports affording to the people an interesting, reliable and thoroughly intelligible exposition of the administration of their affairs.

**An efficient Budget insures clarity of public understanding.**

The organization, classification and presentation of the Budget appropriations, detailed in their application to the needs of every department of municipal activity, made readily understandable by the public, constitute a medium for public information and guidance by which, in the clear understanding of municipal finance, their influence may be felt in efficiency and economy in governmental affairs. Herein lies the surest avenue to continued and lasting improvement in municipal administration.

**The Budget assures an equitable apportionment of appropriations.**

Thus, as the intelligent appropriations of funds is a fundamental principal of municipal finance, this wise direction must also include an equitable apportionment of appropriations in accordance with the needs to be met. At the same time the fixing of definite limits and the restrictions as to the employment of funds will assure the application of monies to their intended purpose.\*

## CLASSIFICATION

### I. General Government:

**Legislative Department:**—Supervisors, Board of Public Works (Administrative), Civil Service Department, Board of Censors; **Executive Department:**—Mayor; **Finance and Accounts**—The Auditor, the Treasurer; **Assessment and Revenue Department:**—Assessor's Department; **Collections of Revenue:**—Tax Collector's Office; **Law Offices:**—The City Attorney's Office, the District Attorney's Office; **Department of Elections:**—General Office, Office and District Registra-

\* NOTE.—Subsequent to the presentation to the Finance Committee of the above letter and the preparing and reporting of the financial statement, matters have so shaped themselves that I am able to report that my advocacy of a standard system of accounting and budget making in their entirety is about to become effective, and preparations are now being made to install a new system of accounting within the next fiscal year.

The Board of Supervisors has set aside an allowance and contracted with a well-known firm of certified public accountants to prepare and install a new system, also one of our foremost civic organizations has subscribed the sum of \$100,000 for a like purpose, and they are co-operating with the Auditor with a view of inaugurating a standard system of accounting.



tion, Primary Election, General Election; **Judicial Department:**—Justices' Court, Superior Court, Grand Jury Expenses, Jury Fees and Witness Expense, Examination and Caring for Insane, Police Courts, Law Library, Public Administrator, County Clerk, Coroner, Sheriff; **Municipal Buildings.**

**II. Protection to Life and Property:**

Department of Electricity, Fire Department (Including Water and Pensions), Police Department, Recorder of Deeds, Sealer of Weights and Measures, Public Pound.

**III. Conservation of Health:**

Department of Health (Administration and Vital Statistics), Tubercular Hospital, Isolation Hospital.

**IV. Sanitation and Promotion of Cleanliness:**

Repairs to Sewers and Catch Basins, Garbage Disposal, Cleaning and Sweeping Streets, Special Sanitation.

**V. Highways and Streets:**

Special Funds for Improvements of Streets and Highways, etc., Surveys and Resurveys, Repairs to Streets, Lighting Streets, Bridges, Municipal Water Works.

**VI. Charities and Corrections:**

Maintenance of Minor Children, Widows' Pension Bureau, Burial of Indigent Dead and Ex-Union Soldiers, Relief Home for Aged, City and County Hospital, Emergency Hospitals, Probation Officers (Juvenile), Juvenile Detention Home.

**VII. Education:**

Public Library, Common Schools (not including Repairs).

**VIII. Recreation:**

Parks, Playgrounds, Municipal Concerts and Entertainments, Celebrations.

**IX. Bond Interest and Sinking Funds:**

**X. Public Service Enterprises:**

Municipal Railway, Water Works.

Respectfully submitted,

THOS. F. BOYLE,  
Auditor.

## CITY AND COUNTY OF SAN FRANCISCO

Office of the Auditor  
May 1st, 1916

The Honorable BOARD OF SUPERVISORS.

Dear Sirs:

In compliance with the requirements of the Charter of the City and County of San Francisco, Article III, Chapter I, Section II, I submit herewith my estimate in detail of the probable expenses and revenue for financial operations for the ensuing fiscal year 1916-17, together with an abstract of the estimated total expenses for each department.

The compilation of these estimates has been made as heretofore in conformity with the plans suggested and advocated by the United States Bureau of Census and Statistics, and explained to you in the abstract accompanying a communication addressed by me to your Finance Committee under date of March 16th.

The enclosed Budget Estimate, as you will see, has involved a large amount of labor in its compilation, for the reason that we have segregated each item of expense and arranged the same under its proper department and classification, as suggested in my communication already referred to, believing that in the event of your adopting this form of Budget it will constitute an invaluable guide to you.

Of course, it is understood that the adoption of the **form** does not imply an exact following of the **amounts** of my estimate.

Inasmuch as I am not in possession of all the information presented by the numerous civic organizations regarding the desired improvements in their several districts, it follows that I am not in a position to intelligently estimate the sums necessary to accommodate their demands. But, from a general observance of numerous improvement activities, I have recommended the sum of \$536,000.00, apportioned as follows:

Acquisition of Marina.....	\$100,000.00
Beach Esplanade .....	50,000.00
New Schools .....	300,000.00
New Fire Building .....	30,000.00
Playground (Noe and Eureka Valley District).....	25,000.00
Playground—Building and Equipment—Pt. Lobos..	25,000.00
Maintenance of Branch Library—Golden Gate Valley	6,000.00
	<hr/>
	\$536,000.00

In connection with the last item of \$6,000.00, the property was acquired through private subscription of district residents, and the money is now on hand for the erection of the building.

The total stated above is in addition to \$1,091,650.00, which I have estimated and set aside in the Budget for Improvement of Streets and Sewers.

Appreciating the natural increase due to growth and extension, I have also made provision therefor in addition to previous appropriations in such departments as the Maintenance of Minors and Orphans, Widows' Pensions, Bond Funds, School Funds, Public Libraries, Health Department, City Hall and Auditorium Maintenance, etc.

As there has been service made upon me in the total sum of \$145,116.77, representing final judgments rendered against the City and County, these judgments having been verified by the County Clerk, I would respectfully invite your attention thereto.

In this connection, I wish to inform you that there is a probable surplus from the fiscal year 1914-15 of \$52,000.00, and it would, therefore, be necessary for you to appropriate the balance of \$93,000.00, if you intend to liquidate these claims.

All of which is respectfully submitted.

THOS. F. BOYLE,  
Auditor City and County of San Francisco.

## AUDITOR'S ESTIMATE

Probable Expenditures and Revenue for the Fiscal Year 1916-1917.

## GENERAL GOVERNMENT

## Legislative Department (Supervisors).

Supervisors—18 at \$2,400 each.....\$	43,200.00
Clerk of Board.....	4,200.00
Chief Assistant Clerk.....	3,000.00
Expert Accountant .....	3,600.00
Bond and Ordinance Clerk.....	3,000.00
Assistants—3 at \$2,100 each.....	6,300.00
Assistants—2 at \$1,800 each.....	3,600.00
Assistants—3 at \$1,500 each.....	4,500.00
Assistant—1 at \$2,100 Stationery.....	2,100.00
Stenographer .....	2,100.00
Stenographers—2 at \$1,200 each.....	2,400.00
Telephone Operator and Filing Clerk	1,200.00
Telephone Operator, Superior Courts....	1,200.00
Sergeant at Arms.....	1,440.00
Chauffeur .....	1,500.00
Light and Water Inspector.....	2,100.00
Light and Water Inspector, Assistant	1,680.00
Horticultural Inspector .....	1,500.00
Superintendent of Supplies.....	3,000.00
Superintendent of Supplies, Assistant	1,500.00

93,120.00

Finance Committee Investigations.....	5,000.00
Advertising Ordinances and Resolutions .....	20,000.00
Furniture and Office Equipment.....	5,000.00
Printing Public Documents.....	15,700.00
Premium on Official Bonds.....	295.00
Stationery, Postage, etc. ....	4,500.00
Auto Repairs and Gasoline.....	8,500.00
Urgent Necessities .....	90,000.00

148,995.00

## Miscellaneous Expenditures—

## Under Control of Supervisors:

Printing Law and Motion Calendar.....	5,000.00
Printing Municipal Reports.....	3,600.00
Printing License Blanks, Tags and Numbers .....	3,000.00

**GENERAL GOVERNMENT—Continued****Legislative Department—(Supervisors)—Continued**

Printing Block Books and Posting for several Departments .....	3,500.00	
Rebinding Books .....	500.00	
Furniture, and Equipping City Hall....	30,000.00	
		45,600.00
Total \$287,715		

**Executive Department.****Mayor's Office.**

Mayor .....	6,000.00	
Secretary .....	2,400.00	
Assistant Secretary .....	2,100.00	
Stenographer .....	1,500.00	
Stenographer .....	1,200.00	
Stenographer .....	900.00	
Telephone Operator .....	1,020.00	
Usher .....	900.00	
Chauffeur .....	1,500.00	
		17,520.00
Contingent Expenses .....	3,600.00	
Incidental .....	1,740.00	
Advertising .....	250.00	
Premium on Official Bonds.....	62.50	
Stationery and Printing.....	650.50	
		6,303.00
Total \$23,823		

**Assessments.****Assessor's Office.**

Assessor .....	8,000.00	
Chief Deputy .....	2,400.00	
Cashier .....	1,800.00	
Assistant Deputies—4 at \$2,100 each	8,400.00	
Assistant Deputies—4 at \$1,800 each	7,200.00	
Assistant Deputies—18 at \$1,500 each	27,000.00	
Cartographer .....	1,800.00	
Extra Clerks, as may be required.....	40,000.00	
		96,600.00
Transportation .....	1,500.00	
Sundry Expense .....	500.00	
Premium on Official Bonds.....	250.00	
Stationery and Printing.....	5,500.00	
		7,750.00
Total \$104,350		

## GENERAL GOVERNMENT—Continued

## Finance and Accounts.

## Auditor's Office.

Auditor .....	4,000.00
Chief Deputy .....	2,400.00
Deputies—3 at \$2,400 each.....	7,200.00
Deputies—5 at \$1,800 each.....	9,000.00
Assistant Deputies—2 at \$1,500 each..	3,000.00
Clerks—2 at \$1,200 each.....	2,400.00
Stenographer-Bond Clerk .....	1,500.00
Telephone Operator .....	1,020.00
Attorney's Fees .....	1,800.00

32,320.00

Assessment Roll: Extending Valuations, Computing Taxes, Computing and Compiling Reports for State Controller, State Tax Commission, Widows' and Orphans' Aid, Extending and Computing State Operative Property, Expert service relative to above, etc. ....	8,500.00
Incidentals .....	400.00
Premium on Official Bonds.....	175.00
Stationery, Postage and Adding Machines .....	1,000.00

10,075.00

Total \$42,395

## Treasurer's Office.

Treasurer .....	4,000.00
Chief Deputy .....	2,400.00
Bank and Bond Deputy.....	3,000.00
Deputy .....	2,400.00
Deputy .....	1,800.00
Clerk .....	1,800.00
Clerk .....	1,200.00
Coupon Clerk .....	1,800.00
Collateral Inheritance Deputy.....	2,400.00
Bookkeeper .....	2,100.00
Bookkeeper .....	1,800.00
Cashier .....	3,600.00

28,300.00

Advertising .....	300.00
Premium on Official Bonds.....	1,000.00
Stationery and Printing .....	700.00
Sundry Expense .....	400.00

2,400.00

Total \$30,700

## GENERAL GOVERNMENT—Continued

## License and Tax Revenues.

## Tax Collector's Office.

Tax Collector .....	4,000.00	
Chief Deputy .....	2,400.00	
Cashier .....	2,400.00	
Deputies—13 at \$1,500 each.....	19,500.00	
Deputies—3 at \$1,800 each.....	5,400.00	
Deputy (License Adjuster).....	1,800.00	
Deputy (Assistant Bookkeeper).....	1,800.00	
Assistant Cashiers—2 at \$1,800 each..	3,600.00	
Temporary Cashiers—4 at \$150 a mo., 2 mos. ....	1,200.00	
Expert Searcher .....	1,800.00	
Accountant .....	2,400.00	
Block Book Man.....	1,500.00	
Acting Deputies at \$1,500 each.....	12,500.00	
Stenographer .....	1,380.00	
Extra Clerks .....	6,220.00	
	<hr/>	67,900.00

## Expense—

Advertising .....	500.00	
Printing Delinquent List.....	2,000.00	
Transportation .....	700.00	
Stationery .....	3,300.00	
Premium on Official Bonds.....	500.00	
	<hr/>	7,000.00

Total \$74,900.00

## Efficiency Department.

## Civil Service Commission.

Commissioners—3 at \$1,200 each.....	3,600.00	
Chief Examiner and Secretary.....	2,400.00	
Chief Examiner Assistant.....	1,500.00	
Secretary .....	1,800.00	
Clerks—2 at \$1,200 each.....	2,400.00	
Inspectors—2 at \$2,400 each.....	4,800.00	
Special Examiners and Expense of Maintenance .....	2,200.00	
Stenographers—2 at \$1,200 each.....	2,400.00	
	<hr/>	21,100.00
Advertising .....	350.00	
Stationery .....	2,000.00	
	<hr/>	2,350.00

Total \$23,450

**GENERAL GOVERNMENT—Continued****Department of Elections.**

Commissioners—5 at \$1,000.....	5,000.00
Registrar of Voters, Secretary.....	2,400.00
Deputies—2 at \$2,100 each.....	4,200.00
Deputies—6 at \$1,800 each.....	10,800.00
Stenographers—2 at \$1,200 each.....	2,400.00
Storekeeper .....	1,200.00
Registration Clerks—Office .....	25,000.00
Clerical Services—Primary .....	15,000.00
Clerical Services—Presidential .....	15,000.00
District Registration .....	15,000.00
Examining Petitions .....	2,500.00
Election Officers, Primary.....	42,600.00
Election Officers, General.....	42,600.00

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 183,700.00

## Expense—

Advertising .....	2,000.00
Auto Hire and Livery.....	750.00
Ballot Paper and Expressage.....	4,500.00
Postage .....	8,000.00
Premium on Bonds.....	125.00
Printing Index and Binding Records....	10,000.00
Printing Blanks, Rosters, Tally Sheets, etc. ....	8,000.00
Stationery .....	4,000.00
Erecting, Equipping, Hauling, Repair- ing Booths, etc. ....	21,600.00
Teaming and Hauling Supplies.....	1,000.00
Warehouse and Storeroom Equipment	3,375.00

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 63,350.00

Total \$247,050.00

**Board of Censors.**

Secretary .....	600.00
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 600.00
**Coroner's Office.**

Coroner .....	4,000.00
Chief Deputy .....	2,400.00
Autopsy Physician .....	2,400.00
Assistant Deputies—3 at \$1,500 each..	4,500.00
Assistant Deputy and Driver.....	1,200.00
Female Deputy .....	1,200.00
Stenographer-Typewriter .....	1,800.00
Stenographer .....	1,500.00



**GENERAL GOVERNMENT—Continued****Coroner's Office—Continued**

Toxicologist .....	1,200.00	
Night Clerk and Matron.....	1,020.00	
Matron-Clerk .....	1,020.00	
Morgue Tender .....	1,080.00	
Messenger .....	900.00	
	<hr/>	24,220.00

## Maintenance—

Ambulance Supplies and Repairs.....	750.00	
Chemicals and Disinfectants.....	150.00	
Drygoods .....	300.00	
Forage .....	250.00	
Horseshoeing and Clipping.....	100.00	
Laundry .....	150.00	
Premium on Bond.....	25.00	
Recovery of Bodies.....	500.00	
Removal of Garbage.....	60.00	
Stationery and Printing.....	300.00	
Sundry Equipment .....	305.00	
	<hr/>	2,900.00

Total \$27,120.00

**Department of Public Works (Administrative).**

Commissioners—3 at \$4,000 each.....	12,000.00	
	<hr/>	12,000.00
Deputy Commissioner .....	3,000.00	
Clerk .....	3,000.00	
Clerk .....	2,400.00	
Clerk .....	1,800.00	
Chauffeur .....	1,500.00	
Stenographers—2 at \$1,680 each.....	3,360.00	
Stenographer—1 at \$1,500.00.....	1,500.00	
Messenger .....	1,500.00	
Telephone Operators—2 at \$1,020 each	2,040.00	
	<hr/>	20,100.00

**Bookkeeping and Accounting.**

Bookkeeper .....	3,600.00
Clerk .....	2,280.00
Clerk .....	2,100.00
Clerk .....	1,800.00
Clerk .....	1,500.00
Timekeeper .....	1,800.00
Timekeepers—2 at \$1,500 each.....	3,000.00

**GENERAL GOVERNMENT—Continued****Department of Public Works—Continued**

Timekeepers' Clerks—2 at \$1,200 each	2,400.00	
Stenographer .....	1,680.00	
Cashier .....	2,400.00	
Cashier-Clerk .....	1,800.00	
Stenographer .....	1,500.00	
	<hr/>	25,860.00

**Maintenance and Repair—Division "B".**

Clerk in Charge.....	2,100.00	
Clerks—4 at \$1,500.....	6,000.00	
Clerks—1 at \$1,320.....	1,320.00	
Clerks—1 at \$1,200.....	1,200.00	
Stenographer .....	1,500.00	
	<hr/>	12,120.00

**Storekeeping—Division "C".**

Storekeeper, Corporation Yard.....	2,100.00	
Clerk .....	1,320.00	
Watchman .....	1,440.00	
Watchmen—2 at \$1,080 each.....	2,160.00	
Laborers—2 at \$900 each.....	1,800.00	
	<hr/>	8,820.00

**Public Buildings—Maintenance.**

Superintendent .....	3,000.00	
Assistant Superintendent .....	2,400.00	
Head Painter .....	2,160.00	
Head Plumber .....	2,160.00	
Head Janitor .....	2,100.00	
Head Janitor Assistants.....	2,580.00	
Janitors and Janitresses—64 at \$1,080 each .....	69,120.00	
Watchmen—2 at \$1,080 each.....	2,160.00	
Watchmen—Relief .....	597.00	
Engineers—2 at \$2,100 each.....	4,200.00	
Engineers—Relief .....	1,650.00	
Engineers—5 at \$1,500 each.....	7,500.00	
Firemen, Heating Station, 4 at \$1,200 each .....	4,800.00	
Elevator Starter .....	1,200.00	
Elevator Conductors—17 at \$1,080.....	18,360.00	
Maintenance Civic Auditorium (when required) .....	10,000.00	
	<hr/>	133,987.00

**GENERAL GOVERNMENT—Continued****Department of Public Works—Continued****General Maintenance Public Works.**

Transportation, Buggy and Auto Rentals .....	10,000.00	
Carfare .....	2,500.00	
Auto Maintenance .....	3,000.00	
Advertising Resolutions .....	10,000.00	
Cartage and Hauling.....	300.00	
Cleaning Supplies .....	4,000.00	
Elevator and Sundry Repairs.....	1,500.00	
Electric Supplies and Hardware.....	2,100.00	
Flags and Poles.....	400.00	
Fuel and Oil.....	8,000.00	
Lumber and Millwork.....	1,000.00	
Paints, Oils and Glass.....	1,000.00	
Plumbing Material .....	1,000.00	
Posting Blockbooks .....	200.00	
Premium on Official Bonds.....	375.00	
Removing Garbage .....	425.00	
Stationery and Printing.....	6,600.00	
Towel Service .....	2,250.00	
Photostat Supplies .....	2,000.00	
		56,650.00
Lighting Public Buildings—Gas.....	2,600.00	
Lighting Public Buildings—Electricity	61,000.00	
		63,600.00
Water for Public Buildings.....	34,000.00	
		34,000.00

**Bureau of Architects.**

Chief Draftsman .....	3,000.00	
Draftsman .....	2,400.00	
Draftsman .....	1,800.00	
Surveyor (Quantity) .....	1,980.00	
Clerk .....	2,100.00	
Stenographer .....	1,200.00	
		12,480.00

**Legal Department—****City Attorney's Office.**

City Attorney .....	5,000.00
City Attorney—Assistants, 2 at \$3,600 each .....	7,200.00

**GENERAL GOVERNMENT—Continued****Legal Department—Continued**

City Attorney—Assistants, 4 at \$3,000 each .....	12,000.00	
City Attorney—Assistant, 1 at \$2,400 .....	2,400.00	
City Attorney—Assistant, 1 at \$1,800 .....	1,800.00	
Chief Clerk .....	1,800.00	
Clerk .....	900.00	
Stenographers—2 at \$1,200 each.....	2,400.00	
Stenographer-Typewriters—2 at \$900 each .....	1,800.00	
Messenger .....	900.00	
		<hr/>
		36,200.00
Litigation Expense, Ordinary.....	7,500.00	
Premium on Official Bond.....	25.00	
Stationery, Postage and Printing.....	1,000.00	
Law Books .....	500.00	
		<hr/>
		9,025.00
Total \$45,225.00		

**District Attorney's Office.**

District Attorney .....	5,000.00	
District Attorney—Assistants, 4 at \$3,600 each .....	14,400.00	
District Attorney—Assistants, 2 at \$3,000 each .....	6,000.00	
District Attorney—Assistants, 6 at \$2,400 each .....	14,400.00	
Warrant and Bond Clerk.....	2,400.00	
Warrant and Bond Clerk.....	2,100.00	
Warrant and Bond Clerk—Assistants, 4 at \$1,500 each.....	6,000.00	
Chief Clerk .....	1,800.00	
Assistant Clerk .....	1,200.00	
Bookkeeper .....	1,200.00	
Stenographer .....	1,800.00	
Stenographer .....	900.00	
Messenger .....	1,500.00	
		<hr/>
		58,700.00
For extraordinary expenses subject to order of Court through Board of Supervisors .....	6,000.00	
Stationery, Postage and Printing.....	800.00	
Premium on Official Bond.....	75.00	
		<hr/>
		6,875.00
Total \$65,575.00		

**GENERAL GOVERNMENT—Continued****Legal Department—Continued****County Clerk's Office.**

County Clerk .....	4,000.00	
Chief Register Clerk.....	2,400.00	
Cashier .....	1,800.00	
Assistant Register Clerks—5 at \$1,800 each .....	9,000.00	
Assistant Register Clerks—10 at \$1,500 each .....	15,000.00	
Court Room Clerks—16 at \$1,500 each (Superior Court) .....	24,000.00	
Court Room Clerks—4 at \$1,500 each (Police Court) .....	6,000.00	
Copyists—31 at \$1,200 each.....	37,200.00	
Deputies—6 at \$1,200 each.....	7,200.00	
Messenger .....	1,200.00	
	<hr/>	107,800.00

**Expense—**

Carfare and Incidentals.....	200.00	
Premium on Official Bonds.....	200.00	
Stationery, Postage and Printing.....	5,400.00	
	<hr/>	5,800.00

Total \$113,600.00

**Justices' Court.**

Justices of the Peace—5 at \$4,200 each	21,000.00	
Clerk .....	3,000.00	
Cashier .....	1,800.00	
Deputies—3 at \$1,500.....	4,500.00	
Chief Deputy .....	1,800.00	
Messenger .....	1,500.00	
	<hr/>	33,600.00

**Expense—**

Stationery, Law Books, etc. ....	1,100.00	
	<hr/>	1,100.00

Total \$34,700.00

**Law Library**

Librarian .....	3,600.00	
Messenger .....	1,200.00	
	<hr/>	4,800.00
Expense .....	150.00	
	<hr/>	150.00

Total \$4,950.00

**GENERAL GOVERNMENT—Continued****Legal Department—Continued****Police Courts.**

Judges—4 at \$3,600 each.....	14,400.00	
Stenographers—4 at \$2,400 each.....	9,600.00	
		24,000.00
Stationery and Postage.....	120.00	120.00
Total \$24,120.00		

**Superior Courts.**

Judges—16 at \$3,000 each.....	48,000.00	
Secretary .....	3,000.00	
Reporters' Fees, through order of court .....	20,000.00	
Interpreters—5 Superior and 3 Police Court at \$1,200 each.....	9,600.00	
Messenger .....	960.00	
Court Orders (Miscellaneous).....	4,000.00	
Secretary's Legal Expense for Inci- dentals .....	200.00	
Stationery, Printing and Postage.....	1,500.00	
Jury Fees and Witness Expense.....	28,000.00	
Jury Expense in Criminal Cases (Meals and Lodgings).....	1,500.00	
Grand Jury Expense.....	2,500.00	
Examination of Insane.....	10,500.00	
		129,760.00

**Sheriff's Department.**

Sheriff .....	8,000.00
Under Sheriff .....	2,400.00
Attorney .....	1,800.00
Cashier .....	2,400.00
Chief Bookkeeper .....	1,800.00
Assistant Bookkeepers—2 at \$1,500 each .....	3,000.00
Office Deputies—13 at \$1,500 each.....	19,500.00
Bailiffs—18 at \$1,200 each.....	21,600.00
Stenographer .....	1,200.00
Superintendent of Jails.....	1,800.00
Chief Jailer .....	1,800.00
Jailers—10 at \$1,200 each.....	12,000.00
Prison Guards—22 at \$600 each.....	13,200.00
Road Guards—6 at \$900 each.....	5,400.00
Commissary .....	1,500.00

## GENERAL GOVERNMENT—Continued

## Legal Department—Continued

Matron .....	900.00	
Van Drivers—2 at \$900 each.....	1,800.00	
Bookkeeper for all Jails.....	1,500.00	
Cooks—2 at \$900 each.....	1,800.00	
Druggist .....	1,200.00	
		104,600.00
Expense of Maintenance—		
Blacksmithing and Wagon Repairs.....	575.00	
Directories .....	55.00	
Premium on Bond.....	300.00	
Removing Garbage .....	180.00	
Harness .....	175.00	
Horseshoeing and Clipping.....	725.00	
Livery .....	540.00	
Forage .....	2,600.00	
Stationery and Printing.....	1,400.00	
Veterinarian Service .....	60.00	
		6,610.00
Subsistence of Prison—		
Cleaning Supplies .....	250.00	
Drugs and Medical Supplies.....	900.00	
Drygoods, Clothing, Shoes, etc. ....	3,200.00	
Groceries and Provisions.....	31,000.00	
Fuel .....	1,800.00	
Furniture .....	2,400.00	
Hardware and Implements.....	800.00	
Ice .....	550.00	
Tableware .....	300.00	
Leathergoods .....	500.00	
Tobacco .....	600.00	
		42,300.00
Repairs to Jails—		
Concrete Work .....	1,200.00	
Plumbing .....	2,100.00	
Painting .....	1,500.00	
Lumber and Millwork.....	1,800.00	
General Repair Work.....	2,400.00	
		9,000.00
Total \$162,510.00		
Total General Government \$1,811,360.00		

**PROTECTION TO PERSON AND PROPERTY.**

**Bureau of Building Inspection.**

Chief Building Inspector.....	3,600.00
Assistant Inspectors—2 at \$2,100 each	4,200.00
Assistant Inspectors—7 at \$1,800 each	12,600.00
Boiler Inspector .....	1,800.00
Clerk-Stenographer .....	2,400.00
Clerk .....	1,800.00
Structural Engineer .....	2,400.00
Inspector of House Numbers.....	2,100.00

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30,900.00

Total \$30,900.00

**Department of Electricity.**

Chief Electrician .....	3,000.00
Secretary-Bookkeeper .....	2,100.00
Stenographer .....	1,320.00
Messenger .....	1,020.00
Chief Inspector .....	1,800.00
Inspectors—6 at \$1,500 each.....	9,000.00
Inspector Aero Construction.....	1,500.00
Clerk .....	1,200.00
Chief Operator, Fire Alarm and Police	1,800.00
Assistants—7 at \$1,500 each.....	10,500.00
Telephone Operators—4 at \$1,020 each	4,080.00
Relief Operators, Vacation Period.....	300.00
Foreman Machine Shop.....	1,620.00
Instrument Makers—3 at \$1,350 each..	4,050.00
Machinist .....	1,350.00
Painter .....	1,350.00
Assistant Chief Construction Depart-	
ment .....	2,400.00
Foreman Lineman .....	1,500.00
Linemen—12 at \$1,350 each.....	16,200.00
Cable Splicer .....	1,716.00
Batteryman .....	1,500.00
Storekeeper .....	1,200.00
Hostler .....	1,200.00
Repairer .....	1,380.00
Laborers—3 at \$720 each.....	2,160.00

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75,246.00

**Maintenance—**

Auto Licenses .....	60.00
Auto Repairs and Supplies.....	500.00
Blue Prints .....	60.00



## PROTECTION OF LIFE AND PROPERTY—Continued

## Department of Electricity—Continued

Carfare .....	275.00	
Cartage .....	250.00	
Cleaning Supplies .....	200.00	
Cable and Wire.....	6,000.00	
Cross Arms .....	300.00	
Electric Power .....	500.00	
Gasoline .....	500.00	
Hardware and Castings.....	3,200.00	
Electric Equipment .....	8,000.00	
Furniture and Benches.....	400.00	
Construction Work and Installing Po- lice Boxes .....	16,000.00	
Fire Alarm Standards.....	2,500.00	
Incidentals .....	250.00	
Lumber .....	600.00	
Paints and Oils.....	500.00	
Rubber Goods .....	250.00	
Repairs to Wagons.....	250.00	
Stationery and Printing.....	860.00	
Transportation .....	545.00	
		42,000.00
Total \$117,246.00		

## Emergency Hospital.

Chief Surgeon .....	2,400.00	
Chief Steward .....	2,100.00	
Clerk-Stenographer .....	1,200.00	
Assistant Surgeons—12 at \$1,320 each	15,840.00	
Stewards—21 at \$1,200 each.....	25,200.00	
Nurses—6 at \$1,080 each.....	6,480.00	
Matrons—3 at \$960 each.....	2,880.00	
Pupil Nurses—3 at \$144.....	432.00	
Seamstress .....	720.00	
Drivers—15 at \$1,200 each.....	18,000.00	
		75,252.00

## Maintenance—

Ambulance Repairs, Supplies, etc. ....	3,300.00
Drugs and Medical Supplies.....	3,500.00
Drygoods and Bedding.....	2,200.00
Forage .....	600.00
Groceries and Provisions.....	2,500.00
Gas .....	250.00
Horseshoeing .....	240.00

**PROTECTION OF LIFE AND PROPERTY—Continued****Emergency Hospital—Continued**

Incidentals .....	230.00
Liquors .....	270.00
Printing and Stationery.....	800.00
Rent of Premises.....	675.00
Removing Garbage .....	185.00
Rubber Goods .....	225.00
Sundry Repairs .....	750.00

15,725.00

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 Total \$90,977.00
**Police Department.**

Commissioners—4 at \$1,200 each.....	\$4,800.00
Secretary .....	1,500.00
Stenographer .....	1,800.00
Surgeon .....	1,500.00
Chief of Police.....	4,000.00
Clerk to Chief.....	2,400.00
Property Clerk .....	2,400.00
Confidential Clerk .....	2,400.00
Captain of Detectives.....	3,000.00
Captains of Police—9 at \$2,400 each..	21,600.00
Lieutenants—18 at \$1,920 each.....	34,560.00
Detective Sergeants—25 at \$1,800.....	45,000.00
Sergeants of Police—73 at \$1,680.....	122,640.00
Corporals of Police, 37 at \$1,560.....	57,720.00
Corporals, Additional—17 at \$1,560.....	26,520.00
Patrolmen—762 at \$1,464 each (11 more than on present force).....	1,115,568.00
Police Detective Women—3 at \$1,200 each .....	3,600.00
Patrol Wagon Drivers—26 at \$1,200 each .....	31,200.00
Telephone Operators—4 at \$1,020 each	4,080.00
Telephone Operators—Relief .....	300.00
Matrons—4 at \$1,080.....	4,320.00
Hostlers—9 at \$1,140 each.....	10,260.00
Cook .....	1,200.00
Stenographers—2 at \$1,200 each.....	2,400.00
Engineers Police Launch—3 at \$1,500 each .....	4,500.00

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 1,509,268.00

 Contingent Expenses .....
 10,000.00 |

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 10,000.00

**PROTECTION OF LIFE AND PROPERTY—Continued****Police Department—Continued**

## Maintenance of Police Department—

Auto Supplies .....	2,800.00	
Auto, Cycle and Wagon Repairs.....	7,200.00	
Brooms, Brushes and Cleaning.....	450.00	
Crockery and Glassware.....	50.00	
Drugs and Medical Supplies.....	150.00	
Drygoods and Clothing.....	750.00	
Directories .....	200.00	
Electric Supplies .....	200.00	
Forage .....	7,600.00	
Fuel .....	1,500.00	
Gasoline and Oils.....	2,100.00	
Groceries and Provisions.....	6,000.00	
Hardware, Handcuffs, etc. ....	450.00	
Horses .....	1,500.00	
Horse Clipping and Shoeing.....	3,500.00	
Incidentals .....	250.00	
Premium on Official Bonds.....	87.50	
Photo Supplies .....	1,500.00	
Rubber Goods .....	500.00	
Wagon Material and Repairs.....	3,700.00	
Equipping Stations .....	1,000.00	
Stationery, including printing of Po- lice Bulletin'' .....	7,500.50	
		48,988.00
Repairs and Reconstruction.....	6,500.00	
		6,500.00

**Fire Department.**

Commissioners—4 at \$1,200 each.....	4,800.00
Secretary .....	2,400.00
Physician .....	1,800.00
Stenographer .....	1,800.00
Chief Engineer .....	5,000.00
1st Assistant Chief.....	3,600.00
2nd Assistant Chief.....	3,000.00
Battalion Chiefs—11 at \$2,700 each....	29,700.00
Operators at \$1,500 each.....	19,500.00
Engine Companies—48 .....	797,280.00
Relief Companies—2 .....	8,040.00
Chemical Companies—12 .....	77,250.00
Truck Companies—13 .....	227,850.00

**PROTECTION OF LIFE AND PROPERTY—Continued**

**Fire Department—Continued**

Fire Boat Companies—2.....	75,780.00	
Annual Increase of Salaries, Art. IX, Chapter VIII, Charter.....	5,600.00	
Monitor Batteries .....	4,320.00	
Water Towers—2 .....	12,860.00	
	<hr/>	1,280,580.00

**Corporation Yard Employees.**

Superintendent of Engines.....	2,700.00	
Clerk and Commissary .....	1,800.00	
Night Watchman .....	1,200.00	
Watchmen—4 at \$1,200 each.....	4,800.00	
Draymen—2 at \$1,200 each.....	2,400.00	
Machinists—10 .....	14,085.00	
Draftsman .....	1,500.00	
Foreman Carriage Shop.....	1,565.00	
Blacksmiths—5 at \$4.50 per day.....	7,040.00	
Blacksmiths' Helpers—5 at \$3.75 per day .....	5,865.00	
Woodworkers—\$2 at \$1,400 each.....	2,800.00	
Patternmaker .....	1,620.00	
Brass Finisher .....	1,400.00	
Boiler Makers—2, Helpers—2.....	4,810.00	
Steamfitter .....	1,800.00	
Foreman Painter .....	1,500.00	
Carriage Painters—3 .....	4,200.00	
Foreman Harness Maker.....	1,500.00	
Harness Makers—3 .....	3,900.00	
	<hr/>	66,485.00
Superintendent of Stables.....	1,860.00	
Veterinarian .....	1,200.00	
Hostlers—8 at \$1,200 each.....	9,600.00	
Horseshoers .....	6,260.00	
Drayman .....	1,200.00	
	<hr/>	20,120.00
Auxiliary Fire Protection: Pump-		
ing Stations—		
Chief Engineers—2 at \$2,100 each.....	4,200.00	
Assistant Engineers—5 at \$1,500 each	7,500.00	
Firemen—7 at \$1,200 each.....	8,400.00	
	<hr/>	20,100.00

## PROTECTION OF LIFE AND PROPERTY—Continued

## Fire Department—Continued

## Distributing System.

Superintendent .....	2,400.00
Foreman Gateman .....	1,500.00
Gatemen—5 at \$1,200 each.....	6,000.00
Laborers—3 at \$3.00 per day.....	2,817.00
Caulker .....	1,408.00
Keeper Twin Peaks and Ashbury Res- ervoirs .....	1,440.00
Hydrantmen .....	8,400.00

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 23,965.00

## Maintenance—

Advertising .....	250.00
Auto Supplies and Repairs.....	8,000.00
Badges .....	300.00
Brass Material and Castings.....	2,500.00
Boiler Repairs and Compound.....	4,000.00
Brooms, Brushes, etc. ....	750.00
Cleaning and Stable Supplies.....	1,000.00
Drugs and Chemicals.....	3,000.00
Duck Cloth and Tarpaulin.....	1,000.00
Draftsmen's Supplies .....	500.00
Electric Current .....	600.00
Forage .....	38,000.00
Furniture .....	3,000.00
Fuel and Oil—.....	25,000.00
Gasoline .....	4,000.00
Harness and Material.....	2,000.00
Hardware, Iron and Steel.....	6,000.00
Horeshoeing Material .....	3,500.00
Insurance, Marine .....	3,500.00
Lumber and Wagon Material.....	3,000.00
Machinery and Repairs.....	2,500.00
Metal Polish .....	400.00
Pads for Horses .....	2,500.00
Pasturing Horses .....	700.00
Paints, Oils and Brushes.....	2,500.00
Plumbing and Steamfitting Material...	1,500.00
Premium on Bonds.....	125.00
Removing Garbage .....	3,375.00
Repairs to Fire Boats.....	2,000.00
Rent of Premises.....	2,000.00

**PROTECTION OF LIFE AND PROPERTY—Continued**

**Fire Department—Continued**

Rubber Goods .....	2,500.00	
Recharging Batteries .....	600.00	
Stationery, Printing and Postage.....	2,400.00	
Hydrants .....	7,000.00	
	<hr/>	140,000.00
Apparatus .....	50,000.00	
Hose .....	10,000.00	
Horses .....	5,000.00	
	<hr/>	65,000.00
Alterations and Repairs to Fire-		
houses .....	10,000.00	
	<hr/>	10,000.00

**Water.**

Water Fireboats .....	600.00	
Water Hydrants .....	135,000.00	
Water High Pressure System.....	9,150.00	
	<hr/>	144,750.00
Exempt Firemen's Allowance.....	5,000.00	
	<hr/>	5,000.00
Firemen's Relief and Pension Fund.....	110,000.00	
	<hr/>	110,000.00
Accident Insurance (City Employees)	6,000.00	
	<hr/>	6,000.00

**Recorder's Office.**

Recorder .....	4,000.00	
Chief Deputy .....	2,400.00	
Deputies—5 at \$1,800 each.....	9,000.00	
Clerks—9 at \$1,500 each.....	13,500.00	
Machinist .....	1,500.00	
Copyists .....	36,000.00	
	<hr/>	66,400.00
Expense—		
Stationery .....	2,700.00	
Premium on Bonds.....	35.00	
Restoring Maps .....	1,000.00	
Typing Machines .....	465.00	
	<hr/>	4,200.00

Total \$70,600.00

**PROTECTION OF LIFE AND PROPERTY—Continued****Sealer of Weights and Measures.**

Head Sealer .....	2,400.00	
Assistant Sealers .....	7,200.00	
	<hr/>	9,600.00
Auto Supplies and Repairs.....	500.00	
Stationery and Printing .....	200.00	
Incidentals .....	300.00	
	<hr/>	1,000.00
Total \$10,600.00		

Public Pound .....	12,000.00	
	<hr/>	12,000.00

**Public Administrator.**

Advertising .....	200.00	
Premium on Official Bond.....	250.00	
	<hr/>	450.00
Total 450.00		

**CONSERVATION OF HEALTH****Department of Health—General Office.**

Health Officer .....	3,600.00	
Chief Clerk .....	2,700.00	
Bookkeeper (Auditor) .....	2,400.00	
Mortuary Clerk .....	1,500.00	
Birth Registry Clerk .....	1,500.00	
Sanitation Clerk .....	1,920.00	
Complaint Clerk .....	1,200.00	
Auditor's Clerk .....	1,200.00	
Filing Clerk .....	1,080.00	
Stenographers—3 at \$1,200 each.....	3,600.00	
Telephone Operator .....	1,020.00	
City Physician .....	2,400.00	
Health Dept. Vacation Allowance.....	3,000.00	
	<hr/>	27,120.00

**Inspection.**

Chief Inspector .....	3,000.00
Sanitary Inspectors—4 at \$1,800 each	7,200.00
Industrial Inspectors—3 at \$1,500 each	4,500.00
Chief Plumbing Inspector.....	2,100.00
Assistant Inspectors—5 at \$1,800 each	9,000.00

**CONSERVATION OF HEALTH—Continued****Inspection—Continued**

Veterinary Meat Inspectors—4 at \$1,620 each .....	6,480.00	
Market Inspectors—13 at \$1,500 each..	19,500.00	
Dairy Veterinarians—2 at \$1,800 each	3,600.00	
Disinfectors—2 at \$1,500 each.....	3,000.00	
Dairy Inspectors—2 at \$1,500 each.....	3,000.00	
Food Inspectors—2 at \$1,500 each.....	3,000.00	
Medical School Inspector.....	1,800.00	
Medical School Inspectors—2 at \$1,200 each .....	2,400.00	
School Inspectors—3 at \$1,020 each....	3,060.00	
School Inspectors—6 at \$960 each.....	5,760.00	
School Inspectors—5 at \$900 each.....	4,500.00	
Tenement House Inspectors—2 at \$1,500 each .....	3,000.00	
Indigent Inspector .....	1,200.00	
		86,100.00

**Laboratory.**

Director .....	3,600.00	
Assistant .....	1,500.00	
Stenographer-Clerk .....	900.00	
Bacteriologist .....	900.00	
Helper .....	720.00	
Chemists—2 at \$1,500 each.....	3,000.00	
Helper .....	900.00	
		11,520.00

**Maintenance.**

Auto Licenses .....	140.00	
Auto Hire and Transportation.....	2,000.00	
Auto Supplies and Repairs.....	2,000.00	
		4,140.00
Drugs and Medical Supplies.....	2,500.00	
Hardware and Electric Equipment.....	500.00	
Premium on Bonds.....	45.00	
Rent of Detention, Harbor and Emer- gency Hospitals .....	9,600.00	
Stationery, Printing and Postage.....	3,200.00	
Incidentals .....	1,500.00	
		21,485.00

Total \$146,225.00



## CONSERVATION OF HEALTH—Continued

**Tubercular Hospital.**

Resident Physician .....	1,800.00
Internes—2 at \$300 each, 1 at \$480.....	1,080.00
Gateman .....	720.00
Graduate Nurses—2 at \$900 each.....	1,800.00
Practical Nurses—6 at \$360 each.....	2,160.00
Superintendent of Nurses.....	1,080.00
Yardmen—4 at \$192 each.....	768.00
Waiters—1 at \$672, 5 at \$144 each.....	1,392.00
Cooks—1 at \$1,200, 1 at \$1,080.....	2,280.00
Cooks' Helpers—2 at \$216 each.....	432.00
Relief Cook .....	324.00
Pupil Nurses—10 at \$144 each.....	1,440.00
Orderlies—7 at \$240 each.....	1,680.00
Orderlies—6 at \$180 each.....	1,080.00
Pantrymen—3 at \$216 each.....	648.00
Wardmen—9 at \$120 each.....	1,080.00
Morgue Tender .....	240.00
Additional Help .....	1,906.00

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 21,910.00
**Maintenance.**

Boiler Repairs .....	200.00
Crockery and Tableware.....	400.00
Drugs and Medical Supplies.....	3,500.00
Drygoods and Clothing.....	3,500.00
Furniture .....	1,500.00
Groceries and Provisions.....	28,000.00
Fuel and Oil.....	1,500.00
Gas .....	440.00
Ice .....	560.00
Laundry .....	3,300.00
Removal of Garbage.....	350.00
Rents .....	550.00
General Repairs .....	3,000.00

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 46,800.00

Total \$68,710.00

**Isolation Hospital.**

Medical Superintendent .....	2,400.00
Internes—2 at \$150 each.....	300.00
Steward .....	1,200.00
Attendant to Lepers.....	1,080.00

**CONSERVATION OF HEALTH—Continued****Isolation Hospital—Continued**

Graduate Nurses—6 at \$900 each.....	5,400.00	
Cooks—2 at \$1,080.00.....	2,160.00	
Pupil Nurses—10 at \$144 each.....	1,440.00	
Night Watchman .....	720.00	
Day Watchman .....	960.00	
Gardener .....	960.00	
Wardmen—5 at \$420 each.....	2,100.00	
Ambulance Driver .....	960.00	
Laundry Women—2 at \$420 each.....	840.00	
Inmate Labor .....	1,200.00	
		21,720.00

**Maintenance.**

Auto Supplies .....	400.00	
Cleaning Supplies .....	200.00	
Christmas Gifts for Lepers.....	250.00	
Drugs and Medical Supplies.....	3,500.00	
Drygoods and Clothing.....	1,800.00	
Groceries and Provisions.....	11,000.00	
Garbage Removal .....	100.00	
Incidentals .....	500.00	
Ice .....	350.00	
Rubber Goods .....	200.00	
Sundry Repairs and Fire Escape.....	1,700.00	
		20,000.00

Total \$41,720.00

**Special Sanitation.**

To be expended by the Board of Health and the U. S. Hospital Service under direction of Board of Supervisors .....	10,000.00	
		10,000.00

**Cleaning and Repairing Sewers.**

Superintendent .....	3,000.00
Assistant Superintendent .....	1,800.00
Bricklayers and Hodcarriers.....	19,250.00
Cribbers—19 at \$3.50 per day each.....	17,000.00
Sewer Cleaners—15 at \$5 per day each	20,625.00
Laborers (Windlassmen)—6 at \$3 per day each .....	4,950.00

**CONSERVATION OF HEALTH—Continued****Cleaning and Repairing Sewers—Continued**

Laborers (Cesspools)—8 at \$3 per day each .....	6,600.00	
Hydrantmen—3 at \$3.50 per day each	3,000.00	
Foremen Laborers—6 at \$3.50 per day each .....	6,000.00	
Teams—\$5.75 each per day.....	11,500.00	
Teams—\$6.50 each per day.....	18,500.00	
Watchmen—2 at \$1,080 each.....	2,160.00	
Additional Help .....	17,000.00	
		131,385.00

Auto Supplies and Repairs.....	450.00	
Cement .....	3,000.00	
Brick .....	2,000.00	
Cordage .....	450.00	
Castings and Manhole Covers.....	3,000.00	
Electric Current .....	500.00	
Hardware .....	600.00	
Gasoline .....	200.00	
Lumber .....	600.00	
Lamps and Repairs.....	200.00	
Paints, Oils and Grease.....	250.00	
Rubber Goods .....	600.00	
Repairs to Tools.....	650.00	
Sewer Pipe .....	4,000.00	
Sundry Equipment .....	4,000.00	
		\$20,500.00

Total \$151,855.00

Repairs to Sewers in front of City Property .....	10,000.00	
		10,000.00
Extension of Main Sewers under con- tract .....	40,000.00	
		40,000.00

**Cleaning and Sweeping Streets.**

Superintendent .....	3,000.00
Assistant Superintendent .....	1,800.00
Clerk .....	1,800.00
Blacksmith .....	1,500.00
Helper .....	1,125.00
Painter .....	1,500.00
Bunkerman—2 at \$1,200 each.....	2,400.00

**CONSERVATION OF HEALTH—Continued****Cleaning and Sweeping Streets—Continued**

Dump Foremen—3 at \$1,080 each.....	3,240.00
Night Watchmen—2 at \$1,080 each.....	2,160.00
General Mechanic .....	1,200.00
Foremen—19 at \$4 per day.....	20,900.00
Foremen—General .....	1,200.00
Laborers (Street Sweepers)—180.....	148,500.00
Teamsters .....	120,000.00
Apparatus Tender .....	1,080.00
Additional Help .....	10,000.00

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 321,405.00
**Maintenance.**

Brooms and Brushes.....	3,500.00
Hardware .....	3,200.00
Hose .....	800.00
Garbage Cans and Wagons.....	2,000.00
Removing Debris .....	6,000.00
Rubber Goods .....	500.00
Wagon Repairs .....	2,500.00
Machinery and Equipment.....	7,000.00
Water .....	5,500.00
Sundries .....	1,000.00
Transportation and Auto Upkeep.....	1,000.00

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 33,000.00

Total \$354,405.00

**HIGHWAYS****Office.**

Superintendent .....	3,300.00
Deputy .....	3,000.00
Clerk on Assessments.....	2,400.00
Clerk on Complaints.....	1,800.00
Sidewalk Inspectors—2 at \$2,100 each	4,200.00
Street Inspectors—1 at \$2,100, 2 at \$1,800 each .....	5,700.00

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 20,400.00

Assistant Superintendents — 1 at \$2,400, 1 at \$1,800.....	4,200.00
Superintendent of Stone Pavements..	2,100.00
Chauffeurs—2 at \$1,200 each.....	2,400.00
Stenographer .....	1,500.00
Clerk .....	1,620.00
Foremen Asphalt Plant.....	7,500.00

## HIGHWAYS—Continued

## Office—Continued

Asphalt Men .....	35,000.00
Carpenter .....	1,500.00
Cement Finishers .....	3,000.00
Engineers Asphalt Plant.....	3,300.00
Engineers Steam Roller—1 at \$2,100..	2,100.00
Engineers Steam Roller—6 at \$1,650 each .....	9,900.00
Engineers—Relief .....	1,560.00
Blacksmith and Helper.....	2,625.00
Fireman .....	1,080.00
Foreman Paver .....	2,100.00
Foreman Laborers .....	7,500.00
Foreman Granite Cutters.....	2,040.00
Granite Cutters .....	12,000.00
Laborers .....	85,000.00
Pavers .....	32,000.00
Rammers .....	16,500.00
Teamsters—71 at \$6.50 per day.....	122,000.00
Watchmen—3 at \$1,080.....	3,240.00
Quarryman .....	2,100.00
Quarrymen—5 at \$3 per day.....	4,125.00

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 367,990.00

## Maintenance.

Auto Supplies and Repairs.....	1,500.00
Asphalt .....	8,000.00
Basalt and Brick.....	7,500.00
Curbing .....	5,000.00
Cement, Lime and Dust.....	12,000.00
Electric Power and Supplies.....	1,400.00
Explosives .....	600.00
Fuels and Oils.....	9,000.00
Grouting and Resurfacing.....	25,000.00
Hardware, Iron and Steel.....	10,000.00
Hose and Rubber Goods.....	1,000.00
Lumber .....	2,000.00
Machinery and Repairs.....	10,000.00
Rock, Sand and Gravel.....	18,000.00
Water for Troughs.....	3,000.00
Sundries .....	3,000.00

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 117,000.00

## Bridges.

Engineers—7 at \$1,560 each.....	10,920.00
Watchmen—8 at \$1,080 each.....	8,640.00

## HIGHWAYS—Continued

## Bridges—Continued

Relief Engineer .....	1,560.00	
Relief Watchmen—2 at \$1,080.....	2,160.00	
Maintenance .....	2,000.00	
Repairs .....	3,000.00	
	<hr/>	28,280.00
Work in front of City Property.....	30,000.00	
	<hr/>	30,000.00

## Bureau of Engineering.

City Engineer .....	15,000.00	
Chief Assistant .....	3,900.00	
Assistants—1 at \$3,600, 1 at \$2,700....	6,300.00	
Assistants—2 at \$2,100 each, 3 at \$1,800 each .....	9,600.00	
Assistants—2 at \$1,620 each, 3 at \$1,500 each .....	7,740.00	
Engineering Draftsman .....	2,100.00	
Engineering Draftsman .....	1,920.00	
Engineering Draftsmen—2 at \$1,800 each .....	3,600.00	
Engineering Draftsmen—3 at \$1,620 each .....	4,860.00	
Engineering Draftsmen—4 at \$1,500 each .....	6,000.00	
Cartographer .....	1,800.00	
Surveyors—1 at \$2,100, 7 at \$1,800 each .....	14,700.00	
Field Assistant .....	2,100.00	
Field Assistants—5 at \$1,320 each.....	6,600.00	
Field Assistants—17 at \$1,200 each.....	20,400.00	
Field Assistants—6 at \$1,500 each.....	9,000.00	
Chemist .....	2,100.00	
Assistant Chemist .....	1,500.00	
Photographer and Assistant.....	3,300.00	
Inspectors of Sewers and Streets under Contract .....	21,200.00	
Watchmen at Pipe Yard—2 at \$1,080 each .....	2,160.00	
Stenographers—2 at \$1,500 each.....	3,000.00	
Stenographers—1 at \$1,320.....	1,320.00	
	<hr/>	150,200.00

**HIGHWAYS—Continued****Bureau of Engineering—Continued****Supplies and Equipment—Engineer.**

Apparatus (New) .....	1,000.00	
Blueprints .....	700.00	
Chemicals .....	250.00	
Instruments and Repairs.....	750.00	
Photo Material .....	800.00	
Metal Furniture .....	500.00	
Printing and Stationery.....	500.00	
Sundries .....	500.00	
	<hr/>	5,000.00

**Extension of Municipal Water Works  
and Maintenance .....**

10,000.00	
<hr/>	10,000.00

**Street Lighting.**

Lighting Streets—Gas and Electricity	394,000.00	
Electroliers .....	24,000.00	
Stockton Street Tunnel.....	2,500.00	
Van Ness Avenue.....	13,000.00	
Fourth Street .....	2,500.00	
All Night Electric—.....	3,500.00	
One-Half Night Electric.....	3,000.00	
Additional Lighting during Year.....	12,000.00	
	<hr/>	454,500.00

**CHARITIES AND CORRECTIONS****San Francisco Hospital.**

Superintendent .....	3,600.00
Secretary .....	1,800.00
Stenographer .....	900.00
Ambulance Driver .....	1,200.00
Watchmen—1 at \$900, 1 at \$780.....	1,680.00
Telephone Operators—2 at \$900 each	1,800.00
Telephone Operator .....	600.00
Receiving Clerk .....	1,200.00
Teamster .....	960.00
Elevator Operators—3 at \$720 each...	2,160.00
Resident Physician .....	1,800.00
House Physicians—5 at \$300 each.....	1,500.00
Internes—20 at \$120.....	2,400.00
Anesthetist .....	900.00
Surgical Dresser .....	1,200.00

## CHARITIES AND CORRECTIONS—Continued

## San Francisco Hospital—Continued

Druggist .....	1,500.00
Assistant Druggist .....	900.00
Porter for Druggist.....	300.00
Commissary-Clerk .....	1,800.00
Storekeeper .....	960.00
Assistants to Storekeeper—2 at \$300....	600.00
X-Ray Operator .....	600.00
X-Ray Attendant .....	360.00
Superintendent of Nurses.....	1,200.00
Assistant .....	1,080.00
Operating Room Nurse.....	1,080.00
Attendant .....	720.00
Dietician .....	900.00
Nurse in charge of Nurses' Home.....	720.00
Graduate Nurses—6 at \$720 each.....	4,320.00
Night Nurse .....	840.00
Post-Graduate Nurses — 10 at \$480 each .....	4,800.00
Pupil Nurses, number required at \$144 each .....	18,000.00
Steward .....	1,200.00
Orderlies—6 at \$300.....	1,800.00
Seamstress and Helper.....	900.00
Housekeeper .....	480.00
Chambermaids—7 at \$300 each.....	2,100.00
Nurse Supervisors, Night—4 at \$720 each .....	2,880.00
Lockermen—2 at \$480.....	960.00
Utility Men—6 at \$300 each.....	1,800.00
Fumigator and Disinfecter.....	300.00
Morgue Man .....	300.00
Gardener .....	960.00
Chief Cook .....	1,200.00
Cook .....	1,200.00
Cook .....	1,080.00
Cook's Helper .....	480.00
Relief Cooks .....	1,080.00
Head Waiter .....	780.00
Waiters—4 at \$672 each.....	2,690.00
Waitresses—4 at \$480 each.....	1,920.00
Head Laundryman .....	1,200.00
Laundrymen—2 at \$480 each.....	960.00



## CHARITIES AND CORRECTIONS—Continued

## San Francisco Hospital—Continued

Ironers—12 at \$300 each.....	3,600.00
Linenmen—2 at \$300 each.....	600.00
Chief Engineer .....	2,100.00
Assistants—3 at \$1,500 each.....	4,500.00
Firemen—3 at \$1,200 each.....	3,600.00
Electrician .....	1,500.00
Plumber .....	1,800.00
Relief Engineers—1 at \$720, 1 at \$600	1,320.00
Mechanics .....	3,600.00
Yardmen—4 at \$300 each.....	1,200.00
Institutional Help .....	9,000.00

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 123,470.00

## Maintenance.

Auto Supplies and Repairs.....	1,000.00
Drugs and Medical Supplies.....	13,000.00
Drygoods, Clothing and Bedding.....	13,000.00
Electric Supplies .....	1,000.00
Fuel and Oil.....	10,000.00
Groceries and Provisions.....	72,000.00
Hardware and Table Supplies.....	1,500.00
Instruments and Repairs.....	2,500.00
Laundry Supplies .....	2,000.00
Lavatory .....	500.00
Plants and Seeds.....	300.00
Sundry Repairs .....	4,000.00
Furniture .....	3,500.00
Printing and Stationery.....	700.00

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 125,000.00

## Juvenile Detention Home.

Superintendent .....	1,500.00
Assistant Superintendent .....	1,020.00
Night Assistant .....	1,020.00
Matron .....	1,200.00
Night Matron .....	600.00
Nurses—3 at \$600 each.....	1,800.00
Clinic Nurse .....	720.00
Cook .....	600.00
Dental Operator .....	240.00

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 8,700.00

## Maintenance.

Groceries and Provisions.....	4,500.00
Laundry .....	700.00

**CHARITIES AND CORRECTIONS—Continued****Juvenile Detention Home—Continued**

Kitchen Furniture and Heater.....	600.00	
Clothing and Bedding.....	250.00	
Drugs and Medical Supplies.....	500.00	
Rent .....	3,300.00	
Stationery and Printing.....	100.00	
Water .....	500.00	
		10,450.00
Total \$19,150.00		

**Juvenile Court.**

Chief Probation Officer.....	2,700.00	
1st Assistant Probation Officer.....	2,100.00	
2nd Assistant Probation Officer.....	2,100.00	
Assistants—8 at \$1,500 each.....	12,000.00	
Deputy Probation Officer.....	1,200.00	
Deputy Probation Officer—2 at \$1,080 each .....	2,160.00	
Deputy Probation Officer—2 at \$900 each .....	1,800.00	
Clerk-Stenographer .....	1,500.00	
Stenographer .....	1,200.00	
Stenographer .....	1,080.00	
Stenographer .....	780.00	
Collector .....	1,500.00	
Filing Clerk .....	600.00	
Bookkeeper .....	1,080.00	
Legal Advisor .....	1,200.00	
Maintenance through order of Court....	2,500.00	
		35,500.00

**Widows' Pension Bureau.**

Director .....	1,800.00	
Assistant Director .....	1,200.00	
Social Service Nurse.....	1,200.00	
Stenographer .....	1,080.00	
Expense .....	700.00	
		5,980.00
Maintenance for Widows Pensioned....	130,000.00	
Maintenance of Minors Magdalen Asylum .....	3,000.00	
Maintenance Feeble-minded Children at Glen Ellen.....	30,000.00	

## CHARITIES AND CORRECTIONS—Continued

## Widows' Pension Bureau—Continued

Maintenance of State Schools—Whit- tier and Preston.....	7,000.00	
Maintenance of Minors in other Insti- tutions .....	187,000.00	
		357,000.00
Maintenance of Criminal Insane.....	2,500.00	
		2,500.00

## Relief Home.

Superintendent .....	3,600.00
Clerk .....	1,620.00
Stenographer .....	1,080.00
Physicians—2 at \$1,620 each.....	3,240.00
Head Nurse .....	900.00
Nurse .....	840.00
Night Nurse .....	780.00
Nurses—4 at \$720 each.....	2,880.00
Steward .....	1,380.00
Steward .....	1,320.00
Steward .....	960.00
Steward .....	900.00
Steward .....	840.00
Steward .....	720.00
Matron, Head .....	1,080.00
Matrons—2 at \$780 each.....	1,560.00
Ambulance Driver .....	960.00
Warehouseman .....	1,200.00
Plumber .....	1,800.00
Foreman .....	960.00
Watchmen—2 at \$780 each.....	1,560.00
Autotruck Driver .....	960.00
Engineer .....	1,680.00
Assistant .....	1,380.00
Butcher .....	1,200.00
Gardener .....	1,080.00
Farmers—2 at \$960 each.....	1,920.00
Cooks—7 .....	6,720.00
Laundrymen .....	1,080.00
Laundress .....	540.00
Pantryman .....	720.00
Orderly .....	480.00
Seamstresses—2 at \$600 each.....	1,200.00

**CHARITIES AND CORRECTIONS—Continued**

**Relief Home—Continued**

Milkers—1 at \$600, 1 at \$480.....	1,080.00	
Inmate Labor and Mechanics as re- quired .....	15,000.00	

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65,220.00

**Expense and Maintenance.**

Auto Supplies and Repairs.....	900.00	
Drygoods and Clothing.....	9,000.00	
Drugs and Medical Supplies.....	3,200.00	
Fuel and Oils.....	12,000.00	
Forage .....	11,000.00	
Groceries and Provisions.....	104,000.00	
Hardware and Electric Supplies.....	1,500.00	
Janitorial Supplies .....	2,000.00	
Laundry Supplies .....	500.00	
Liquor and Tobacco.....	7,500.00	
Sundries .....	600.00	
Water .....	1,800.00	

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154,000.00

Additional for Maintaining New Quar- ters and Equipment.....	20,000.00	
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20,000.00

Total \$239,200.00

Interment of Ex-Union Soldiers and Sailors .....	3,500.00	
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3,500.00

Burial of Indigent Dead.....	4,500.00	
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4,500.00

**Celebrations.**

Observance of Fourth of July.....	2,500.00	
Observance of Memorial Day.....	500.00	

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3,000.00

**EDUCATION**

**Public Library.**

Librarian .....	3,000.00	
Secretary .....	3,000.00	
Assistant Secretary .....	1,200.00	
Branch Superintendent .....	1,200.00	
Stenographer .....	1,080.00	
Branch Librarians .....	7,500.00	
Assistants .....	23,000.00	

**EDUCATION—Continued****Public Library—Continued**

Keepers, Branch Libraries.....	210.00	
Pages .....	1,600.00	
Cataloguers .....	4,280.00	
Book Repairers .....	900.00	
Special Messenger .....	1,080.00	
Messenger .....	900.00	
Curators .....	7,200.00	
		<hr/> 56,150.00
Books .....	19,000.00	
Binding .....	6,000.00	
Catalogue Cards .....	1,000.00	
Fuel .....	600.00	
Carfare and Incidentals.....	1,200.00	
Furniture and Metal Cases.....	5,000.00	
Janitors' Supplies .....	3,000.00	
Printing and Stationery.....	3,000.00	
Rents .....	3,000.00	
Repairs to Autos and Supplies.....	700.00	
Sundry Repairs .....	500.00	
Water .....	1,000.00	
		<hr/> 44,000.00
For maintenance of Branch Library, Golden Gate Valley.....	6,000.00	
		<hr/> 6,000.00

**Common School Fund.**

Commissioners .....	12,000.00	
Superintendent .....	4,000.00	
Deputies—5 at \$3,000 each.....	15,000.00	
Secretary .....	1,800.00	
Financial Secretary .....	2,280.00	
Assistants—2 at \$1,020 each.....	2,040.00	
Stenographers—3 at \$1,200 each.....	3,600.00	
Telephone Operator .....	1,020.00	
Messengers—2 at \$1,200 each.....	2,400.00	
Storekeeper .....	1,800.00	
Assistant .....	1,080.00	
Superintendent of Buildings.....	2,100.00	
Inspector of Gas and Water Supply...	1,500.00	
Bookkeeper Supply Department.....	1,680.00	
Clerk .....	1,800.00	
Chauffeur .....	1,500.00	
Rent of Premises.....	1,800.00	
		<hr/> 57,400.00

**EDUCATION—Continued****PRIMARY AND GRAMMAR**

Teachers' Compensation, Primary and Grammar .....	1,349,000.00	
Teachers' Compensation, Special Studies (at large).....	100,000.00	
Teachers' Compensation, increase through automatic operation.....	8,000.00	
Teachers' Compensation, outside experience .....	7,200.00	
Teachers' Compensation, additional teachers .....	72,000.00	
Janitor Service .....	94,400.00	
Janitor Service, extra for additional rooms .....	5,000.00	
Wages for Mechanics and Labor.....	16,065.00	
Scavenger Service .....	4,500.00	
		<hr/>
<b>Maintenance and Equipment.</b>		1,656,165.00
Auto Supplies and Repairs.....	500.00	
Books .....	8,400.00	
Cartage .....	1,500.00	
Clocks .....	500.00	
Drygoods and Millinery.....	1,100.00	
Flags .....	250.00	
Furniture .....	18,000.00	
Fuel .....	14,000.00	
Insurance .....	600.00	
Gas and Electricity.....	8,000.00	
Livery .....	480.00	
Material for Urgent Repairs.....	4,000.00	
Janitorial Supplies .....	8,500.00	
Pianos, Rent and Repairs.....	2,000.00	
Printing and Stationery.....	24,000.00	
Water .....	12,000.00	
		<hr/>
		103,830.00

**HIGH SCHOOLS**

Teachers' Compensation .....	290,000.00	
Teachers' Compensation, Increase Through Automatic Operation.....	4,400.00	
Teachers' Compensation, Additional Teachers .....	14,000.00	
Janitors' Salaries .....	23,625.00	
Janitors' Salaries, extra additional rooms .....	2,000.00	
		<hr/>
		334,425.00

**EDUCATION—Continued****Maintenance.**

Books .....	600.00	
Cartage .....	100.00	
Clocks and Repairs.....	50.00	
Flags .....	50.00	
Furniture, Maps, Globes, etc. ....	2,000.00	
Fuel .....	2,500.00	
Light and Power.....	4,000.00	
Printing and Stationery.....	2,000.00	
Water .....	1,000.00	
Laboratory Supplies .....	10,000.00	
Wages .....	935.00	
Scavenger Services .....	300.00	
	<hr/>	23,535.00
Kindergarten, Salaries and Main- tenance .....	10,000.00	
	<hr/>	10,000.00
Teachers' Institute .....	500.00	
	<hr/>	500.00
Athletic Dept. and Social Center, etc.	16,000.00	
	<hr/>	16,000.00
Polytechnic High School Special Equipment .....	13,000.00	
	<hr/>	13,000.00

**General Repairs to Schools by Board of  
Public Works.**

Cement Finishers .....	7,000.00	
Carpenters and Helpers.....	20,000.00	
Clerk .....	1,500.00	
Cribbers .....	800.00	
Draftsman and Designer.....	500.00	
Engineers .....	300.00	
Painters and Varnishers.....	18,000.00	
Plumbers and Helpers .....	13,000.00	
Glazier .....	2,000.00	
Locksmith .....	1,800.00	
Steamfitter .....	2,000.00	
Laborers .....	2,400.00	
Tinners and Helpers.....	9,000.00	
Teamsters .....	3,000.00	
Wiremen .....	700.00	
	<hr/>	82,000.00

**EDUCATION—Continued****General Repairs to Schools—Continued**

Asphalt Paving .....	1,750.00	
Cartage .....	400.00	
Cement .....	2,500.00	
Concrete work and roofing material..	1,000.00	
Chimney pipe and Cleaning.....	750.00	
Drinking Fountains .....	400.00	
Electric Supplies and Hardware.....	4,600.00	
Glass .....	1,300.00	
Grate Bars .....	400.00	
Grading and Paving.....	4,500.00	
Garbage removal and Hauling Debris	400.00	
Iron and Steel Castings.....	4,000.00	
Lumber and Millwork.....	16,000.00	
Plastering .....	500.00	
Plumbing material .....	4,000.00	
Paints and Oils.....	5,000.00	
Painting Signs and Flagpoles.....	1,200.00	
Repairs, Miscellaneous .....	2,400.00	
Rock, Sand and Gravel.....	2,500.00	
Sewer Pipe .....	400.00	
		54,000.00

**RECREATION**

Municipal Concerts .....	\$ 10,000.00	
		10,000.00

**Playground Commissioners.**

Superintendent .....	\$ 1,000.00	
Secretary .....	1,800.00	
Assistant .....	1,200.00	
Directors—10 at \$1,200 each.....	12,000.00	
Directors—7 at \$900 each.....	6,300.00	
Gardeners and Caretakers—7 at \$1,080 each .....	7,560.00	
Gardeners and Caretakers—2 at \$960 each .....	1,920.00	
Substitutes .....	2,700.00	
Swimming Instructors .....	1,800.00	
		36,280.00



## RECREATION—Continued

## Playground Commissioners—Continued

## Expense.

Auto Supplies .....	250.00	
Cartage .....	100.00	
Athletic Supplies .....	1,800.00	
Cement and Lime .....	200.00	
Drygoods .....	200.00	
Drugs and Medical Supplies.....	350.00	
Furniture .....	500.00	
Hardware and Implements.....	900.00	
Grading, Sand, Gravel and Rock.....	2,000.00	
Gas and Electricity.....	750.00	
Incidentals .....	500.00	
Loam and Clay.....	300.00	
Material for Repairs and Labor.....	5,000.00	
Plants and Seeds.....	200.00	
Sewer Pipe .....	250.00	
Teaming and Labor.....	3,400.00	
Water .....	3,000.00	
Wire .....	700.00	
Construction and New Equipment.....	13,320.00	
		33,720.00
Total \$70,000.00		

## Park Fund.

7c on each \$100 Valuation.....	383,600.00	
		383,600.00

## Special Improvement Funds—To be expended under direction of Board of Supervisors:

For New Schools and Purchases of Land .....	300,000.00	
For Acquisition of the Marina.....	100,000.00	
For Beach Esplanade .....	50,000.00	
For New Fire Building.....	30,000.00	
For Noe and Eureka Valleys Playgrounds .....	25,000.00	
For Point Lobos Playground Building and Equipment.....	25,000.00	
		530,000.00

**RECREATION—Continued****Special Improvement Funds—Continued**

For the Redemption of Bonds sold prior to November 8, 1910.....	639,800.00	
For the Payment of Interest on Bonds sold prior to November 8, 1910 .....	610,792.00	
	<hr/>	1,250,592.00
For the Redemption of Bonds sold since November 8, 1910.....	738,000.00	
For the Payment of Interest on Bonds sold since November 8, 1910 .....	1,206,781.00	
	<hr/>	1,944,781.00
Total Expenditures .....		<hr/> \$15,192,802.00

**ESTIMATED REVENUE FROM SOURCES OTHER THAN TAXES.**

Auditor .....	50.00
Sheriff .....	34,000.00
County Clerk .....	90,000.00
Recorder .....	65,000.00
Justices' Clerks .....	32,000.00
Board of Health.....	1,200.00
Police Department .....	1,400.00
Public Pound .....	2,400.00
Public Works, Engineer's Fees.....	19,000.00
Dept. of Electricity.....	12,000.00
Registrar of Voters.....	2,000.00
Police Court Fines.....	24,000.00
Licenses, Municipal .....	1,240,000.00
Building Permits .....	24,000.00
Fines, Superior Courts.....	500.00
Sale of Old Material Property.....	4,500.00
Refund State Aid, Widows' Pensions.....	67,000.00
Refund State Aid, Orphans.....	40,000.00
Refund, Juvenile Home .....	5,000.00
Refund, Hospitals .....	600.00
Refund, State Lunacy Commission.....	300.00
Sanitary Reduction Works.....	17,500.00
Interest on Loans.....	75,000.00
Care of U. S. Prisoners enroute.....	2,000.00
Treasurer's Commission on Inheritance Tax .....	3,000.00
Coroner .....	100.00
Fire Department .....	1,800.00
Rent of City Property.....	20,000.00
Rent of City Auditorium.....	15,000.00
Percentage Street Railway Franchises.....	50,000.00
Percentage Telephone Franchises.....	70,000.00
Rent of Desk Room, Recorder.....	570.00
Good Roads' Fund.....	120,000.00
School Apportionment .....	680,000.00
Rent of School Property.....	98,000.00
Advertising, Supervisors .....	11,000.00
Redemption of Property Sold to State.....	35,000.00
Miscellaneous Refunds .....	1,500.00
Water Works' Fund.....	6,000.00
State Aid for Tubercular Patients .....	15,000.00
State Refund on Bonds of 1908.....	135,000.00

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 \$3,021,420.00

## The respective funds to redeem and pay the interest on bonds sold prior to November 8, 1910:

	Interest	Redemption	Total	Rate
Street, 1904, 3½%	\$ 12,005.00	\$ 40,500.00		
School, 1904, 3½%		89,800.00		
Jail, 1904, 3½%	2,436.00	17,400.00		
Library, 1904, 3%	8,631.00	41,100.00		
Playground, 1904, 3½%	18,130.00	18,500.00		
Park Extension, 1904, 3½%	8,036.00	8,200.00		
Mission Park, 1904, 3½%	7,154.00	7,300.00		
Fire Protection, 1908, 5%	204,750.00	105,000.00		
Schools, 1908, 5%	127,600.00	116,000.00		
Sewer, 1908, 5%	123,500.00	65,000.00		
Hospital, 1908, 5%	44,800.00	56,000.00		
Hall of Justice, 1908, 5%	24,750.00	33,000.00		
Garbage, 1908, 5%	29,000.00	42,000.00		
	<hr/>	<hr/>		
Total State and City and County.....	\$ 610,792.00	\$ 639,800.00		
			\$1,250,592.00	.2050

## Bond Funds to redeem and pay the interest on bonds sold since November 8, 1910:

Street, 1904, 3½%	\$ 5,005.00	
School, 1904, 3½%	18,858.00	
Library, 1904, 3%	18,931.00	
Fire Protection, 1908, 5%	48,750.00	25,000.00
Schools, 1908, 5%	92,400.00	84,000.00
Sewer, 1908, 5%	66,500.00	35,000.00
Hospital, 1908, 5%	35,200.00	44,000.00
Hall of Justice, 1908, 5%	12,750.00	17,000.00
Garbage, 1908, 5%		8,000.00
Polytechnic High, 1910, 4½%	23,062.00	25,000.00
City Hall, 1912, 5%	440,000.00	200,000.00
Exposition, 1912, 5%	230,000.00	200,000.00
Hospital and Jails, 1913, 4½%	42,000.00	100,000.00
Hetch Hetchy, 1910, 4½%	173,325.00	
	<hr/>	<hr/>
	\$1,206,781.00	\$738,000.00
		<hr/>
		\$1,944,781.00
		<hr/>
Total		\$3,195,373.00
		<hr/>
		.5597

## ABSTRACT.

## Estimated Expenditures and Revenue 1916-17.

## GENERAL GOVERNMENT.

## Legislative Department.

Supervisors .....	\$ 93,120.00	
Expense of Maintenance.....	148,995.00	
		\$ 242,115.00

## Miscellaneous Expenditures.

Municipal Reports .....	3,600.00	
License Blanks and Tags.....	3,000.00	
Law and Motion Calendar.....	5,000.00	
Block Books and Posting for Several Departments .....	3,500.00	
Rebinding Books .....	500.00	
Furniture and Equipping City Hall, etc. ....	30,000.00	
		45,600.00

## Executive Department.

Mayor, Salaries .....	17,520.00	
Mayor, Maintenance .....	6,303.00	
		23,823.00

## Assessments.

Assessor, Salaries .....	96,600.00	
Assessor, Maintenance .....	7,750.00	
		104,350.00

## Financial.

Auditor, Salaries .....	32,320.00	
Assessment Roll and Experting.....	8,500.00	
Expense for Maintenance.....	1,575.00	
		42,395.00

## Treasurer.

Salaries .....	28,300.00	
Expense .....	2,400.00	
		30,700.00

## License and Tax

Tax Collector, Salaries.....	67,900.00	
Tax Collector, Expense.....	7,000.00	
		74,900.00

## Efficiency.

Civil Service, Salaries.....	21,100.00	
Civil Service, Expense.....	2,350.00	
		23,450.00

## GENERAL GOVERNMENT—Continued

**Elections.**

Salaries, Office and District.....	183,700.00	
Expense .....	63,350.00	
	<hr/>	247,050.00

<b>Board of Censors</b> .....	600.00	
	<hr/>	600.00

**Coroner.**

Salaries .....	24,220.00	
Expense .....	2,900.00	
	<hr/>	27,120.00

**Department of Public Works.****Administrative.**

Commissioners .....	12,000.00	
	<hr/>	12,000.00
General Office, Salaries.....	20,100.00	
Bookkeeping .....	25,860.00	
Maintenance and Repairs, Salaries, Div. B .....	12,120.00	
Storekeeping, Salaries .....	8,820.00	
Public Building, Salaries.....	133,987.00	
General Maintenance .....	56,650.00	
	<hr/>	257,537.00
Lighting Public Buildings.....	63,600.00	
	<hr/>	63,600.00
Water, Public Buildings.....	34,000.00	
	<hr/>	34,000.00
Bureau of Architects.....	12,480.00	
	<hr/>	12,480.00

**Legal Department.****City Attorney.**

Salaries .....	36,200.00	
Expense .....	9,025.00	
	<hr/>	45,225.00

**District Attorney.**

Salaries .....	58,700.00	
Expense .....	6,875.00	
	<hr/>	65,575.00

**County Clerk.**

Salaries .....	107,800.00	
Expense .....	5,800.00	
	<hr/>	113,600.00

**GENERAL GOVERNMENT—Continued****Justices' Court.**

Salaries .....	33,600.00	
Expense .....	1,100.00	
		34,700.00

**Law Library.**

Salaries .....	4,800.00	
Expense .....	150.00	
		4,950.00

**Police Courts.**

Salaries .....	24,000.00	
Expense .....	120.00	
		24,120.00

**Superior Courts.**

Salaries .....	51,960.00	
Expense .....	1,700.00	
Reporters' Fees .....	20,000.00	
Interpreters .....	9,600.00	
Court Orders .....	4,000.00	
Jury Fees and Witness Expense.....	28,000.00	
Jury Expense .....	1,500.00	
Grand Jury Expense.....	2,500.00	
Examination of Insane.....	10,500.00	
		129,760.00

**Sheriff.**

Salaries .....	104,600.00	
Maintenance and Subsistence.....	48,910.00	
Jail Repairs .....	9,000.00	
		162,510.00

Total General Government \$1,822,160.00

**PROTECTION TO PERSON AND PROPERTY.****Bureau of Building Inspection.**

Salaries .....	30,900.00	
		30,900.00

**Department of Electricity.**

Salaries .....	75,246.00	
Maintenance .....	42,000.00	
		117,246.00

**Emergency Hospitals.**

Salaries .....	75,252.00	
Maintenance .....	15,725.00	
		90,977.00



**PROTECTION TO PERSON AND PROPERTY—Continued****Police Department.**

Salaries .....	1,509,268.00	
Contingent Expense .....	10,000.00	
General Expense .....	48,988.00	
Building Repairs .....	6,500.00	
	<hr/>	1,574,756.00

**Fire Department.**

Salaries .....	1,280,580.00	
Corporation Yard, Salaries.....	66,485.00	
Stables .....	20,120.00	
Auxiliary Distributing System.....	44,065.00	
Maintenance and Apparatus.....	205,000.00	
Construction and Repairs.....	10,000.00	
	<hr/>	1,626,250.00
Water for Fire Boats.....	600.00	
Water for Hydrants.....	135,000.00	
Water for High Pressure System.....	9,150.00	
	<hr/>	144,750.00
Exempt Firemen's Allowance.....	5,000.00	
	<hr/>	5,000.00
Firemen's Relief and Pension Fund..	110,000.00	
	<hr/>	110,000.00
Accident Insurance, City Employees..	6,000.00	
	<hr/>	6,000.00

**Recorder.**

Salaries .....	66,400.00	
Expense .....	4,200.00	
	<hr/>	70,600.00

**Sealer of Weights and Measures.**

Salaries .....	9,600.00	
Expense .....	1,000.00	
	<hr/>	10,600.00

Public Pound .....	12,000.00	
	<hr/>	12,000.00

Public Administrator .....	450.00	
	<hr/>	450.00

Total Protection to Person and Property \$3,799,529.00

**CONSERVATION OF HEALTH.****Health Department—General Office.**

Administration, Salaries .....	27,120.00	
Inspection, Salaries .....	86,100.00	
Laboratory, Salaries .....	11,520.00	
Maintenance .....	21,485.00	
	<hr/>	146,225.00

**CONSERVATION OF HEALTH—Continued****Tubercular Hospital.**

Salaries .....	21,910.00	
Maintenance .....	46,800.00	
		68,710.00

**Isolation Hospital.**

Salaries .....	21,720.00	
Maintenance .....	20,000.00	
		41,720.00

<b>Sanitation .....</b>	<b>10,000.00</b>	<b>10,000.00</b>
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**Cleaning and Repairs to Sewers.**

Salaries .....	131,385.00	
Material, etc. ....	20,500.00	
Front of City Property.....	10,000.00	
Extension of Main Sewers.....	40,000.00	
		201,885.00

**Cleaning and Sweeping Streets.**

Salaries .....	321,405.00	
Maintenance .....	33,000.00	
		354,405.00

Total Conservation of Health \$822,945.00

**HIGHWAYS.****Repairs and Paving Streets, Salaries and**

Wages .....	388,390.00	
Maintenance .....	117,000.00	
Front of City Property.....	30,000.00	
		535,390.00

**Bridges.**

Salaries .....	23,280.00	
Maintenance and Repairs.....	5,000.00	
		28,280.00

**Bureau of Engineers.**

Salaries .....	150,200.00	
Maintenance .....	5,000.00	
		155,200.00

**Lighting Streets.**

Gas and Electricity .....	454,500.00	
		454,500.00

<b>Extension Municipal Water Works.....</b>	<b>10,000.00</b>	<b>10,000.00</b>
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Total Highways \$1,183,370.00

**CHARITIES AND CORRECTIONS.****San Francisco Hospital.**

Salaries .....	123,470.00	
Maintenance .....	125,000.00	
	<hr/>	248,470.00

**Juvenile Detention Home.**

Salaries .....	8,700.00	
Maintenance .....	10,450.00	
	<hr/>	19,150.00

**Juvenile Court.**

Salaries .....	33,000.00	
Maintenance .....	2,500.00	
	<hr/>	35,500.00

**Widows' Pension Bureau.**

Salaries .....	5,280.00	
Expense .....	700.00	
	<hr/>	5,980.00

Maintenance for Widows, Pensions.....	130,000.00	
Maintenance Minors, Magdalen Asylum...	3,000.00	
Maintenance Feeble-minded Children.....	30,000.00	
State Schools .....	7,000.00	
Maintenance Minors, Non-Sectarian In- stitutions .....	187,000.00	
	<hr/>	357,000.00
Criminal Insane .....	2,500.00	
	<hr/>	2,500.00

**Relief Home.**

Salaries .....	65,220.00	
Maintenance .....	174,000.00	
	<hr/>	239,220.00

Interment of U. S. Soldiers and Sailors...	3,500.00	
	<hr/>	3,500.00

Burial of Indigent Dead.....	4,500.00	
	<hr/>	4,500.00

Total Charities and Corrections \$915,820.00

**CELEBRATIONS.**

4th of July .....	2,500.00	
Memorial Day .....	500.00	
	<hr/>	3,000.00

**EDUCATION.****Public Library.**

Salaries .....	56,150.00
Maintenance .....	44,000.00

100,150.00

Library Golden Gate Valley.....	6,000.00
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6,000.00

**Common School Fund, Administration.**

Salaries .....	57,400.00
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**Primary and Grammar.**

Salaries and Wages.....	1,656,165.00
Maintenance .....	103,830.00

**High Schools.**

Salaries .....	334,425.00
Maintenance .....	23,535.00
Kindergarten .....	10,000.00
Teachers' Institute .....	500.00
Athletics and Social Center.....	16,000.00
Polytechnic High School, Special Equip- ment .....	13,000.00
General Repairs .....	136,000.00

2,350,855.00

Total Education \$2,457,005.00

**RECREATION.**

Municipal Concerts .....	10,000.00
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10,000.00

**Playgrounds.**

Salaries .....	36,280.00
Maintenance .....	33,720.00

70,000.00

Park Fund, 7c on each \$100 Valuation.....	383,600.00
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383,600.00

**Bond Interest and Redemption Account.**

For the redemption and the payment of interest on bonds sold prior to November 8, 1910.....	1,250,592.00
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For the redemption and the payment of interest on bonds sold since November 8, 1910.....	1,944,781.00
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3,195,373.00

For New Improvements and Betterments..	530,000.00
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530,000.00

Total Abstract .....	
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\$15,192,802.00

**ESTIMATED REVENUE AND EXPENDITURES FOR THE PREPARATION OF THE TAX LEVY FOR THE  
FISCAL YEAR 1916-17.**

**FUNDS**

**Rate based on a Valuation of \$548,000,000**

	Expenditures	Receipts From Taxes	Receipts From Other Sources
General Fund—\$1.00 limit of taxation.....	\$ 7,148,249.00	\$ 5,069,829.00	\$2,078,420.00
Firemen's Relief and Pension Fund.....	110,000.00	110,000.00	

**Funds and Accounts Exempted from Dollar Limit of Taxation.**

For the redemption of bonds sold since November 8, 1910, City and County.....	738,000.00		
For the payment of interest accounts since November 8, 1910, City and County.....	1,206,781.00	1,206,781.00	

**Based on a Total Valuation of \$610,000,000**

For the redemption of bonds sold prior to November 8, 1910, State .....	639,800.00		
For the payment of interest accounts since November 8, 1910, State .....	610,792.00	610,792.00	

**Rate based on a Valuation of \$548,000,000**

Park Funds—7c on each \$100 assessed valuation.....	383,600.00		
School Fund .....	2,350,000.00	1,572,000.00	778,000.00
Library Fund .....	106,150.00	106,150.00	
Elections .....	247,050.00	245,050.00	2,000.00
Cleaning, Repairs to Streets, Sewers; Construction.....	1,291,680.00	1,152,680.00	139,000.00
Construction and Repairs to Buildings.....	360,700.00	336,700.00	24,000.00
	<hr/>	<hr/>	<hr/>
	\$15,192,802.00	\$12,171,382.00	\$3,021,420.00

**BUDGET FOR MUNICIPAL EXPENDITURES CITY AND  
COUNTY OF SAN FRANCISCO, CALIFORNIA  
FOR FISCAL YEAR 1915-1916**

Bill No. 3611, Ordinance No. 3295 (New Series):

An ordinance fixing and appropriating the aggregate sum and the items thereof allowed to each department, office, board and commission for the fiscal year ending June 30, 1916, and making a budget of the same.

Be it ordained by the People of the City and County of San Francisco as follows:

Section I. The aggregate sums and the items thereof hereinafter set forth are hereby fixed, designated and appropriated for the respective purposes set opposite the same, to be expended during the fiscal year ending June 30, 1916, in accordance with the provisions of Article III, Chapter I of the Charter of the City and County, to-wit:

**GENERAL FUND.**

Budget  
Item No.

**BOARD OF SUPERVISORS.**

1	18 Supervisors at \$2,400 each.....	\$ 43,200
2	Clerk .....	4,200
3	Chief Assistant Clerk.....	3,000
4	Expert to Board.....	3,600
5	Bond and Ordinance Clerk.....	3,000
6	Superintendent of Supplies.....	3,000
7	3 Assistant Clerks at \$2,100 each.....	6,300
8	Assistant Clerk, Stationery Department.....	2,100
9	2 Assistant Clerks at \$1,800 each.....	3,600
10	Stenographer, Finance Committee.....	2,100
11	3 Assistant Clerks at \$1,500 each.....	4,500
12	2 Stenographers at \$1,200 each.....	2,400
13	Telephone Operator and Filing Clerk.....	1,200
14	Telephone Operator, Superior Courts.....	1,200
15	Sergeant at Arms.....	1,440
16	Chauffeur .....	1,500
17	Light and Water Inspector.....	2,100
18	Assistant Light and Water Inspector.....	1,680
19	For Horticultural Inspection as Required by State Law	1,500
20	Finance Committee Expenses.....	5,000
21	Supplies Committee Expenses.....	1,200
22	Printing Public Documents.....	15,700
23	Municipal Reports .....	3,500

**BOARD OF SUPERVISORS—Continued**

Budget

Item No.

24	Law and Motion Calendar.....	4,800
25	Advertising .....	31,500
26	Interment U. S. Soldiers and Sailors.....	3,500
27	Maintenance, Public Pound.....	12,000
28	License Tags .....	2,000
29	Stationery, Books and Printing and Purchase and Repair of Typewriters.....	49,000
30	Stationery, for the Assessor.....	5,500
31	Block Books .....	3,500
32	Rebinding Books .....	500
33	Furniture, Public Buildings.....	5,000
34	Celebration 4th of July.....	2,500
35	Observance of Memorial Day.....	500
36	Grand Jury Expenses.....	1,500
37	Premium on Official Bonds.....	5,000
38	Urgent Necessities .....	90,000
39	Rents, Repairs, Equipment and Maintenance of Public Buildings and Moving.....	60,000
40	Water for Municipal Purposes, Hydrants.....	132,000
41	Water for Buildings.....	25,000
42	Maintenance of Minors.....	170,000
43	Maintenance Widows' Pension Bureau.....	125,000
44	Maintenance of Magdalen Asylum.....	3,000
45	Maintenance, State Schools—Preston and Whittier.....	7,000
46	Maintenance, Feeble-Minded .....	29,000
47	Maintenance, Criminal Insane.....	3,000
48	For Ordinary Lighting of Streets and Public Buildings	485,000
49	Examination of Insane Persons.....	10,000
50	Gasoline for City Automobiles.....	3,500
		\$1,386,320

**SPECIAL FUNDS.**

**For Improvement of Highways and Streets and Other Urgent Betterments. To be Expended in such Manner and in such Amounts as Directed by the Board of Supervisors.**

51	For Paving, Repaving, Grading, Construction and Repairs to Streets.....	\$ 351,000
52	For Reconstruction and Repair of the following streets streets and avenues: Battery, Bay, Spear, Railroad Ave, Pine, Arguello Boulevard, Jackson, Turk, Minna, Tehama, Paris, Rausch, Sansome, Pacific,	

## BOARD OF SUPERVISORS—Continued

Budget  
Item No.

	Twenty-third Street, Fifth Street, Howard, Third Street, Civic Center Streets, Taylor Street between Sacramento and Clay, First Street, Howard to Folsom, and such other streets as determined by the Board of Supervisors, and for furnishing and finishing the City Hall.....	300,000
53	For Work in Front of City Property, Repairs to Streets and Buildings and Miscellaneous Improvements .....	80,000
54	Extension Municipal Water Works.....	5,000
		<hr/>
		\$736,000
55	Sewers—Repairs, Maintenance and Reconstruction.....\$	136,800
56	Extension of Main Sewers, Under Contract.....	100,000
		<hr/>
		\$236,800
57	Buildings—For Repairs and Reconstruction of Fire Department, Municipal and Police Buildings.....	\$34,800
58	School Buildings—For the Construction, Reconstruction, Fire Escapes, Repairs to and Equipment of School Buildings and Portables.....	111,400
60	Redding School—New Building.....	89,000
61	Daniel Webster School—New Building and Purchase of Adjoining Land.....	120,000
		<hr/>
		\$320,400
62	Fire Department Buildings—Two new buildings, Howard Street and Mint Avenue.....\$	90,000
		<hr/>
		\$90,000
62	For the Expense, Maintenance and Cleaning and Sprinkling Streets .....	\$ 350,400
64	For Purchase of Equipment for Street Cleaning.....	6,000
		<hr/>
		\$356,400
65	Accident Insurance—City Employees.....\$	10,000
		<hr/>
		\$10,000
66	For Equipment Juvenile Detention Home.....\$	15,000
		<hr/>
		\$15,000
67	Esplanade at Ocean Beach.....\$	50,000



## BOARD OF SUPERVISORS—Continued

## Budget

## Item No.

68	Improvement, Cumberland Street, Sanchez to Noe Streets, and Sanchez Street, between Nineteenth and Twentieth Streets.....	12,000
69	City and County Good Road Fund.....	10,000
70	Hayes Street, City's Portion.....	24,000
71	Furnishings, City Hall.....	75,000
72	Additional Land for School Yards for Adams, Fremont and Hancock Schools.....	46,500
72a	For the Purchase of Land and the Erection of a School Building for either the Monroe School, the Balboa Park District or the District in the Neighborhood of the Bernal School; Upon the Recommendation of the Board of Education.....	10,700
73	Boiler, Relief Home.....	12,000
		\$240,200

## MAYOR.

76	Mayor .....	\$ 6,000
77	Secretary .....	2,400
78	Assistant Secretary .....	2,100
79	Stenographer .....	1,500
80	Stenographer .....	1,200
81	Stenographer .....	900
82	Telephone Operator .....	1,020
83	Usher .....	900
84	Chauffeur .....	1,500
85	Contingent Expenses .....	3,600
86	Incidental Expenses .....	1,740
		\$22,860

## AUDITOR

87	Auditor .....	\$ 4,000
88	Deputy Auditor .....	2,400
89	3 Assistant Deputies at \$2,400 each.....	7,200
90	5 Assistant Deputies at \$1,800 each.....	9,000
91	2 Assistant Deputies at \$1,500 each.....	3,000
92	1 Stenographer Bond Clerk.....	1,500
93	1 Expert on Minors.....	1,500
94	2 Clerks at \$1,200 each.....	2,400
95	1 Telephone Operator .....	1,020
96	Attorney's Fees .....	1,800

## AUDITOR—Continued

Budget		
Item No.		
97	Extending Assessment Roll and Expert Services.....	7,000
98	Incidentals .....	400
		<hr/>
		\$41,220
<b>ASSESSOR.</b>		
99	Assessor .....	\$ 8,000
100	Chief Deputy .....	2,400
101	Cashier .....	1,800
102	4 Assistant Chief Deputies at \$2,100 each.....	8,400
103	4 Assistant Deputies at \$1,800 each.....	7,200
104	18 Deputies at \$1,500 each.....	27,000
105	Map Maker .....	1,800
106	Extra Clerks, Charter.....	40,000
107	Field Deputy Expenses.....	2,000
		<hr/>
		\$98,600
<b>CORONER.</b>		
108	Coroner .....	\$ 4,000
109	Chief Deputy .....	2,400
110	Autopsy Physician .....	2,400
111	3 Assistant Deputies at \$1,500 each.....	4,500
112	1 Stenographer .....	1,800
113	Assistant Stenographer and Typewriter.....	1,500
114	1 Toxicologist .....	1,200
115	Assistant Deputy and Driver.....	1,200
116	1 Female Deputy .....	1,200
117	Night Clerk Matron.....	1,020
118	Clerk Matron .....	1,020
119	Morgue Tender .....	1,080
120	Messenger .....	900
121	Coroner's Expenses .....	2,500
		<hr/>
		\$26,720
<b>RECORDER.</b>		
122	Recorder .....	\$ 4,000
123	Chief Deputy .....	2,400
124	5 Assistants at \$1,800 each.....	9,000
125	9 Clerks at \$1,500 each.....	13,500
126	1 Machinist .....	1,500
127	Copyists .....	36,000
		<hr/>
		\$66,400

**TAX COLLECTOR**

## Budget

## Item No.

128	Tax Collector .....	\$ 4,000
129	Chief Deputy .....	2,400
130	Cashier .....	2,400
131	13 Deputies at \$1,500 each.....	19,500
132	3 Special Deputies at \$1,800 each.....	5,400
133	1 Special Deputy—License Adjuster (Ordinance 3139 N. S.) .....	1,800
134	1 Special Deputy—Assistant Bookkeeper (Ordinance 3139 N. S.).....	1,800
135	2 Assistant Cashiers at \$1,800 each.....	3,600
136	Expert Searcher .....	1,800
137	Accountant .....	2,400
138	4 Temporary Cashiers (2 months), at \$150 each per month .....	1,200
140	1 Block Book Man.....	1,500
141	Acting Deputies, per Ordinance 821.....	12,500
142	Stenographer .....	1,380
143	Extra Clerks .....	6,220
144	Printing Delinquent Tax List.....	2,000
145	Incidentals and Transportation.....	700
		<hr/>
		\$70,600

**TREASURER.**

146	Treasurer .....	\$ 4,000
147	Chief Deputy .....	2,400
148	Bank and Bond Deputy.....	3,000
149	1 Deputy at .....	2,400
149a	1 Deputy at .....	1,800
150	1 Clerk .....	1,200
151	1 Coupon Clerk .....	1,800
152	1 Bookkeeper .....	2,100
153	1 Assistant Bookkeeper .....	1,800
154	Cashier .....	3,600
155	2 Clerks at \$1,800 each.....	3,600
		<hr/>
		\$27,700

**SUPERIOR COURTS.**

156	16 Judges at \$3,000 each.....	\$ 48,000
157	Secretary .....	3,000
158	Court Stenographers .....	20,000
158a	Interpreters—5 Superior Court and 3 Police Court.....	9,600

## SUPERIOR COURT—Continued

Budget

Item No.

159	Messenger .....	960
160	Court Orders .....	4,000
		<hr/>
		\$85,560

## CITY ATTORNEY.

161	City Attorney .....	\$ 5,000
162	2 Assistants at \$3,600 each.....	7,200
163	4 Assistants at \$3,000 each.....	12,000
164	1 Assistant .....	2,400
165	1 Assistant .....	1,800
166	Chief Clerk .....	1,800
167	1 Assistant Clerk .....	900
168	2 Stenographers at \$1,200 each.....	2,400
169	2 Stenographer-Typewriters at \$900 each.....	1,800
170	1 Messenger .....	900
171	For General Litigation.....	6,000
		<hr/>
		\$42,200

## DISTRICT ATTORNEY.

172	District Attorney .....	\$ 5,000
173	4 Assistants at \$3,600 each.....	14,400
174	2 Assistants at \$3,000 each.....	6,000
175	6 Assistants at \$2,400 each.....	14,400
176	1 Warrant and Bond Clerk.....	2,400
177	1 Warrant and Bond Clerk.....	2,100
178	4 Assistant Warrant and Bond Clerks at \$1,500 each..	6,000
179	Chief Clerk .....	1,800
180	1 Assistant Clerk .....	1,200
181	1 Assistant Bookkeeper .....	1,200
182	1 Stenographer .....	1,800
183	1 Stenographer .....	900
184	1 Messenger .....	1,500
185	For extraordinary expenses of the District Attorney's Office, subject to orders of Court through the Board of Supervisors .....	6,000
		<hr/>
		\$64,700

## COUNTY CLERK.

186	County Clerk .....	\$ 4,000
187	1 Chief Register Clerk.....	2,400
188	1 Cashier .....	1,800

**COUNTY CLERK—Continued**

Budget

Item No.

189	5 Register Clerks at \$1,800 each.....	9,000
190	10 Assistant Register Clerks at \$1,500 each.....	15,000
191	16 Court Room Clerks at \$1,500 each.....	24,000
192	16 Copyists at \$1,200 each.....	19,200
193	6 Deputies at \$1,200 each.....	7,200
194	15 Copyists at \$1,200 each.....	18,000
195	4 Police Court Clerks at \$1,500 each.....	6,000
196	1 Messenger .....	1,200
197	Jury and Witness Fees.....	28,000
198	Jury Expenses .....	1,500

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 \$137,300
**JUSTICES' COURT.**

199	5 Justices at \$3,600.....	\$ 18,000
200	1 Clerk .....	3,000
201	Cashier .....	1,800
202	Chief Deputy .....	1,800
203	3 Deputies at \$1,500 each.....	4,500
204	1 Messenger .....	1,500

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 \$30,600
**LAW LIBRARY.**

205	Librarian .....	\$ 3,600
206	Messenger .....	1,200

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 \$4,800
**JUVENILE DETENTION HOME.**

207	Superintendent .....	\$ 1,500
208	1 Assistant Superintendent .....	1,020
209	1 Night Assistant .....	1,020
210	1 Matron .....	1,200
211	1 Night Matron .....	600
212	3 Nurses at \$600 each.....	1,800
213	1 Clinic Nurse .....	720
214	1 Cook .....	600
215	Maintenance .....	9,200

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 \$17,660
**JUVENILE COURT.**

216	Chief Probation Officer.....	\$ 2,700
217	1 Assistant Probation Officer.....	2,100

## JUVENILE COURT—Continued

Budget Item No.		
218	1 Assistant Probation Officer.....	1,800
219	8 Assistants at \$1,500 each.....	12,000
220	1 Assistant .....	1,200
221	1 Assistant .....	1,080
222	1 Clerk-Stenographer .....	1,500
223	1 Stenographer .....	1,200
224	1 Stenographer .....	1,080
225	1 Stenographer .....	780
226	1 Collector .....	1,500
227	1 Filing Clerk .....	600
228	1 Bookkeeper .....	1,080
229	1 Deputy .....	1,080
230	2 Deputies at \$900 each.....	1,800
231	Legal Assistance .....	1,200
232	Expenses .....	2,500
		\$35,200

## WIDOWS' PENSIONS.

233	Director .....	\$ 1,800
234	Assistant Director .....	1,200
235	Social Service Nurse.....	1,200
236	Stenographer-Bookkeeper .....	1,080
237	Incidentals .....	400
		\$5,680

## SHERIFF.

238	Sheriff .....	\$ 8,000
239	Under Sheriff .....	2,400
240	Attorney .....	1,800
241	Chief Bookkeeper .....	1,800
242	2 Assistant Bookkeepers at \$1,500 each.....	3,000
243	13 Office Deputies at \$1,500 each.....	19,500
244	18 Bailiffs at \$1,200 each.....	21,600
245	1 Chief Jailer .....	1,800
246	10 Jailers at \$1,200 each.....	12,000
247	1 Superintendent of Jails.....	1,800
248	16 Guards at \$600 each, Jail No. 2.....	9,600
249	6 Guards at \$600 each, Jail No. 3.....	3,600
250	6 Road Guards at \$900 each.....	5,400
251	1 Matron .....	900
252	1 Commissary .....	1,500

**SHERIFF—Continued**

Budget

Item No.

253	1 Van Driver .....	900
254	1 Bookkeeper, all of Jails.....	1,500
255	1 Stenographer .....	1,200
256	1 Driver .....	900
257	2 Cooks at \$900 each.....	1,800
258	1 Druggist .....	1,200
259	Subsistence of Prisoners.....	45,000
260	Sheriff's Expenses .....	2,500
		\$149,700

**POLICE DEPARTMENT.**

261	4 Commissioners at \$1,200 each.....	\$ 4,800
262	1 Secretary .....	1,500
263	1 Stenographer .....	1,800
264	1 Surgeon .....	1,500
265	1 Chief .....	4,000
266	1 Clerk .....	2,400
267	1 Property Clerk .....	2,400
268	1 Captain of Detectives.....	3,000
269	9 Captains at \$2,400 each.....	21,600
270	18 Lieutenants at \$1,920 each.....	34,560
271	25 Detective Sergeants at \$1,800 each.....	45,000
272	73 Sergeants at \$1,680 each.....	122,640
273	37 Corporals at \$1,560 each.....	57,720
274	762 Patrolmen at \$1,464 each.....	1,115,568
275	3 Police Protective Women at \$1,200 each.....	3,600
276	26 Patrol Drivers at \$1,200 each.....	31,200
277	4 Telephone Operators at \$1,020 each.....	4,080
278	For Relief and Vacation of Telephone Operators.....	300
279	4 Matrons at \$1,080 each.....	4,320
280	9 Hostlers at \$1,140 each.....	10,260
281	1 Cook .....	1,200
282	2 Stenographers at \$1,200 each.....	2,400
283	Confidential Clerk .....	2,400
284	Contingent Expenses .....	8,000
285	Maintenance of Police Patrol and Mounted Police.....	20,000
286	Police Miscellaneous—Photographic Supplies, Laundry, Fuel, etc. ....	3,000
287	Maintenance of Automobiles and Patrol Wagons.....	9,000
288	Subsistence of Prisoners.....	8,000
289	Maintenance and Purchase of Motorcycles.....	1,000

**POLICE DEPARTMENT—Continued**

Budget		
Item No.		
290	One 7-Passenger Automobile for Chief, including allowance for old automobile, not to exceed.....	2,250
291	1 Patrol Wagon for Harbor District.....	3,125
292	5 Ford Runabouts at \$550 each.....	2,750
		\$1,535,373

**POLICE COURTS.**

294	4 Judges at \$3,600 each.....	\$ 14,400
295	4 Stenographers at \$2,400 each.....	9,600
		\$24,000

**CIVIL SERVICE COMMISSION.**

296	3 Commissioners at \$1,200 each.....	\$ 3,600
297	Expenses .....	12,500
298	Inspection .....	5,000
		\$21,100

**PLAYGROUND COMMISSION.**

To be expended on the following Playgrounds:  
North Beach, Southside, Jackson, Excelsior, Hamilton,  
Bay View, Holly Park, Yerba Buena, Presidio, Marshall, McKinley, Spring Valley, California Women's Hospital Site.

299	Salaries and Administration.....	\$ 35,000
300	Equipment, Maintenance and Improvement.....	35,000
		\$70,000
301	BOARD OF CENSORSHIP.....	\$ 600
		\$600
302	MUNICIPAL BAND FOR PUBLIC PARK CON- CERTS ONLY .....	\$ 10,000
		\$10,000

**SEALER OF WEIGHTS AND MEASURES.**

303	Sealer .....	\$ 2,400
304	4 Assistants at \$1,800 each.....	7,200
305	Transportation .....	500
306	Miscellaneous .....	300
307	2 Ford Runabouts .....	1,100
		\$11,500



## BOARD OF PUBLIC WORKS.

Budget

Item No.

308	3 Commissioners at \$4,000 each.....	\$ 12,000
		<hr/>
		\$12,000

## General Office:

309	Deputy Commissioner .....	\$ 3,000
310	1 Clerk .....	3,000
311	1 Clerk .....	2,400
312	1 Clerk .....	1,800
313	2 Stenographers at \$1,680 each.....	3,360
314	1 Stenographer .....	1,500
315	1 Messenger .....	1,500
316	1 Chauffeur .....	1,500
317	2 Telephone Operators at \$1,020 each.....	2,040
		<hr/>
		\$20,100

## Bookkeeping and Accounting:

## Division A—General Accounting.

318	1 Bookkeeper .....	\$ 3,600
319	1 Clerk .....	2,280
320	1 Clerk .....	2,100
321	1 Clerk .....	1,800
322	1 Clerk .....	1,500
323	1 Stenographer .....	1,680
324	1 Chief Timekeeper .....	1,800
325	2 Outside Timekeepers at \$1,500 each.....	3,000
326	2 Timekeepers' Clerks at \$1,200 each.....	2,400
327	1 Cashier .....	2,400
328	1 Clerk .....	1,800
329	1 Stenographer .....	1,500
		<hr/>
		\$25,860

## Division B—Maintenance and Repair.

330	1 Clerk in charge.....	\$ 2,100
331	1 Clerk .....	1,620
332	1 Clerk .....	1,500
333	1 Clerk .....	1,500
334	1 Clerk .....	1,500
335	1 Clerk .....	1,500
336	1 Clerk .....	1,320
337	1 Clerk .....	1,200

## BOARD OF PUBLIC WORKS—Continued

Budget		
Item No.		
338	1 Stenographer .....	1,500
339	1 Clerk .....	1,800
		<hr/>
Division C—Storekeeping.		\$15,540
340	Storekeeper in charge of Corporation Yard.....\$	2,100
341	1 Watchman at \$5 per day.....	1,800
342	1 Watchman .....	1,440
343	4 Watchmen at \$1,080 each.....	4,320
344	2 Blacksmiths at \$5 per day.....	3,000
345	2 Blacksmiths' Helpers at \$3.50 per day.....	2,100
346	1 Painter .....	1,500
347	4 Laborers at \$3 per day.....	3,600
		<hr/>
<b>Building Inspection:</b>		\$19,860
348	1 Chief Inspector .....	\$ 3,600
349	2 Inspectors at \$2,100 each.....	4,200
350	7 Inspectors at \$1,800 each.....	12,600
351	1 Boiler Inspector .....	1,800
352	1 Clerk-Stenographer .....	2,400
353	1 Clerk .....	1,800
354	1 Structural Engineer .....	2,400
355	1 Inspector House Numbers.....	2,100
		<hr/>
<b>Street Repair:</b>		\$30,900
356	1 Superintendent .....	\$ 3,300
357	1 Assistant Superintendent .....	2,400
358	3 Engineers on Bridges at \$1,560 each.....	4,680
359	5 Watchmen Bridge Tenders at \$1,080 each.....	5,400
		<hr/>
<b>Sewer Repairs and Cleaning:</b>		\$15,780
360	1 Superintendent .....	\$ 3,000
		<hr/>
<b>Miscellaneous and Relief Various Departments:</b>		\$3,000
361	2 Watchmen, Pipe Yard, at \$1,080 each.....\$	2,160
362	Relief Engineers .....	3,300
363	Relief Watchmen .....	2,160
		<hr/>
		\$7,620

**BOARD OF PUBLIC WORKS—Continued**Budget  
Item No.**Building Repairs and Maintenance:**

364	1 Superintendent .....	\$ 3,000
365	1 Assistant Superintendent .....	2,400
366	1 Head Janitor .....	1,800
367	1 Assistant Head Janitor.....	1,380
368	36 Janitors and Janitresses at \$1,080 each.....	38,880
369	2 Watchmen at \$1,080 each.....	2,160
370	2 Chief Engineers at \$2,100.....	4,200
371	5 Engineers at \$1,500 each.....	7,500
372	13 Elevator Operators at \$1,080 each.....	14,040
373	1 Elevator Starter .....	1,200

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 \$76,560
**Bureau of Architecture:**

374	1 Chief Draftsman .....	\$ 3,000
375	1 Draftsman .....	2,400
376	1 Clerk .....	2,100
377	1 Quantity Surveyor .....	1,980
378	1 Draftsman .....	1,800
379	1 Stenographer .....	1,200

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 \$12,480
**Bureau of Engineering:**

380	1 City Engineer .....	\$ 15,000
381	1 Chief Assistant .....	4,800
382	1 Assistant .....	3,600
383	1 Assistant .....	3,000
384	2 Assistants at \$2,100 each.....	4,200
385	3 Assistants at \$1,800 each.....	5,400
386	2 Assistants at \$1,620 each.....	3,240
387	3 Assistants at \$1,500 each.....	4,500
388	1 Engineering Draftsman .....	2,100
389	1 Engineering Draftsman .....	1,920
390	2 Engineering Draftsmen at \$1,800 each.....	3,600
391	3 Engineering Draftsmen at \$1,620 each.....	4,860
392	4 Engineering Draftsmen at \$1,500 each.....	6,000
393	1 Cartographer .....	1,800
394	1 Surveyor .....	2,100
395	7 Surveyors at \$1,800 each.....	12,600
396	1 Surveyor's Field Assistant.....	2,100
397	6 Surveyor's Field Assistants at \$1,500 each.....	9,000

## BOARD OF PUBLIC WORKS—Continued

Budget		
Item No.		
398	5 Surveyor's Field Assistants at \$1,320 each.....	6,600
399	17 Surveyor's Field Assistants at \$1,200 each.....	20,400
400	1 Engineering Chemist .....	2,100
401	1 Assistant Engineering Chemist.....	1,500
402	1 Photographer .....	1,800
402a	1 Assistant Photographer .....	1,500
403	1 Inspector Streets and Sewers.....	1,800
404	Inspectors of Streets and Sewers, under contract, at \$5 per day each.....	21,200
405	1 Male Stenographer .....	1,500
406	1 Female Stenographer .....	1,500
407	1 Female Stenographer .....	1,320
		\$151,040
	<b>Inspection of Complaints:</b>	
408	1 Chief Deputy .....	\$ 3,000
409	1 Clerk .....	2,400
410	1 Clerk .....	1,800
411	3 Inspectors at \$2,100 each.....	6,300
412	2 Inspectors at \$1,800 each.....	3,600
		\$17,100
	<b>Miscellaneous:</b>	
413	Maintenance and Transportation, Division C Store- keeping .....	\$ 5,000
414	Transportation, Buggies and Auto Rental.....	10,000
415	Car Fare .....	2,500
416	Automobile Maintenance .....	3,000
417	Supplies and Maintenance, including Janitors' Supplies Fuel Oil, Electric Power, Engineers' Sundries, Lamps, etc., Repairs and Upkeep of Elevators and Engines .....	15,000
418	General Supplies .....	2,500
419	Bureau of Engineering Supplies.....	5,000
420	Maintenance and Supplies, Photostat Room.....	1,500
421	Maintenance, Sewage Pumping Stations.....	10,000
423	Maintenance and Operation City Hall and Auditorium	5,000
424	Civic Center Power House—4 Firemen for 6 months at \$100 per month each.....	2,400
425	County Jail, 2 Elevator Operators at \$1,080 each.....	2,160
		\$64,060

## HEALTH DEPARTMENT.

Budget			
Item No.			
426	Health Officer .....	\$	3,600
427	Chief Clerk .....		2,700
428	Bookkeeping-Auditor .....		2,400
429	Mortuary Clerk .....		1,500
430	Birth Registry Clerk.....		1,500
431	Sanitation Clerk .....		1,920
432	Complaint Clerk .....		1,200
433	Auditor's Clerk .....		1,200
434	Filing Clerk .....		1,080
435	Stenographer .....		1,200
436	2 Stenographers at \$1,200 each.....		2,400
437	Telephone Operator .....		1,020
438	City Physician .....		2,400
439	Health Department Expenses.....		13,000
440	Relief for Vacations for Nurses, Drivers and others....		3,000
441	Burial of Indigent Dead.....		4,000
			<hr/>
	<b>Inspectors:</b>		\$44,120
442	Chief .....	\$	3,000
443	4 Sanitary Inspectors at \$1,800 each.....		7,200
444	3 Industrial Inspectors at \$1,500 each.....		4,500
445	1 Chief Plumbing Inspector.....		2,100
446	5 Plumbing Inspectors at \$1,800 each.....		9,000
447	4 Veterinary Meat Inspectors at \$1,620 each.....		6,480
448	13 Market Inspectors at \$1,500 each.....		19,500
449	2 Dairy Veterinarians at \$1,800 each.....		3,600
450	2 Dairy Inspectors at \$1,500 each.....		3,000
451	2 Food Inspectors at \$1,500 each.....		3,000
452	2 Disinfectors at \$1,500 each.....		3,000
453	1 Medical School Inspector.....		1,800
454	2 Medical School Inspectors at \$1,200 each.....		2,400
455	3 Health Inspectors of Schools at \$1,020 each.....		3,060
456	6 Health Inspectors of Schools at \$960 each.....		5,760
457	5 Health Inspectors of Schools at \$900 each.....		4,500
458	2 Tenement House Inspectors at \$1,500 each.....		3,000
459	1 Inspector of Indigents.....		1,200
			<hr/>
	<b>Laboratory:</b>		\$86,100
460	Director of Laboratories.....	\$	3,600
461	1 Bacteriologist .....		900
462	1 Helper .....		720

## HEALTH DEPARTMENT—Continued

Budget		
Item No.		
463	2 Chemists at \$1,500 each.....	3,000
464	1 Helper .....	900
465	1 Laboratory Assistant .....	1,500
466	1 Stenographer-Clerk .....	900
		\$11,520
	<b>San Francisco Hospital:</b>	
467	Superintendent .....	\$ 3,600
468	Resident Physician .....	1,800
469	15 Internes at \$120 each.....	1,800
470	5 House Physicians at \$300 each.....	1,500
471	1 Commissary Clerk .....	1,800
472	1 Secretary .....	1,800
473	1 Stenographer .....	900
474	4 Ambulance Drivers, Including Emergency Drivers at \$1,200 each.....	4,800
475	1 Watchman .....	900
476	1 Watchman .....	780
477	1 Superintendent of Nurses.....	1,200
478	1 Assistant Superintendent of Nurses.....	1,080
479	1 Operating Room Nurse.....	1,080
480	1 Assistant Operating Room Nurse.....	720
481	1 Dietician .....	900
482	1 Nurse in charge of Nurses' Home.....	720
483	4 Graduate Nurses at \$720 each.....	2,880
484	1 Night Nurse Superintendent.....	840
485	8 Post Graduate Nurses at \$480 each.....	3,840
486	Pupil Nurses, number required.....	10,000
487	12 Orderlies at \$144 each.....	1,728
488	1 Druggist .....	1,500
489	1 Druggist Helper .....	600
490	1 Druggist Porter .....	240
491	1 Telephone Operator .....	900
492	1 Telephone Operator .....	900
493	1 Receiving Clerk .....	1,200
494	1 Night Telephone Operator.....	540
495	1 X-Ray Operator .....	600
496	1 X-Ray Attendant .....	360
497	1 Storekeeper .....	960
498	1 Assistant Storekeeper .....	480
499	1 Surgical Dresser .....	1,200
500	1 Teamster .....	960

## HEALTH DEPARTMENT—Continued

Budget

Item No.

501	6 Elevator Operators at \$720 each.....	4,320
502	1 Chief Cook .....	1,200
503	1 Butcher Cook .....	1,200
504	1 Cook .....	1,080
505	1 Relief Cook .....	1,080
506	1 Cook's Helper, night.....	480
507	3 Waiters at \$672 each.....	2,016
508	1 Head Waiter .....	780
509	4 Waitresses at \$480 each.....	1,920
510	1 Seamstress .....	600
511	1 Seamstress Helper .....	360
512	1 Housekeeper .....	480
513	Institutional Help .....	20,000
514	10 Ironers at \$420 each.....	4,200
515	1 Anesthetist .....	900

**Housekeeping Department:**

516	1 Steward .....	1,200
517	5 Chambermaids at \$300 each.....	1,500
518	1 Cook .....	420
519	1 Chambermaid .....	300
520	1 Locker Man .....	480
521	6 Utility Men at \$240 each.....	1,440
522	1 Gardener .....	900
523	4 Yardmen at \$300 each.....	1,200

**Laundry Department:**

524	1 Head Laundryman.....	1,200
525	2 Laundrymen at \$480 each.....	960
526	2 Linen Men at \$300 each.....	600

**Engineering Department:**

527	1 Chief Engineer .....	2,100
528	3 Assistants at \$1,500 each.....	4,500
529	3 Firemen at \$1,200 each.....	3,600
530	1 Electrician .....	1,500
531	1 Plumber .....	1,800
533	Relief Engineer .....	650
534	Relief Fireman .....	520

**Miscellaneous:**

535	1 Fumigator and Disinfecter.....	300
536	1 Morgue Man .....	300

**HEALTH DEPARTMENT—Continued**

Budget

Item No.

537	3 Stewards, Emergency Service, at \$1,200 each.....	3,600
		\$124,794
538	Maintenance for Hospitals.....	\$ 150,000
		\$150,000

**Tubercular Department, San Francisco Hospital:**

539	1 Resident Physician .....	\$ 1,800
540	1 Interne .....	600
541	1 Interne .....	480
542	1 Gateman .....	720
543	3 Graduate Nurses at \$900 each.....	2,700
544	1 Commissary Clerk (3 months).....	300
546	1 Chambermaid .....	420
547	2 Practical Nurses at \$360 each.....	720
548	1 Superintendent of Nurses.....	1,080
549	4 Yardmen at \$192 each.....	768
550	1 Waiter .....	672
551	5 Waiters at \$144 each.....	720
552	1 Cook .....	1,200
553	1 Assistant Cook .....	1,080
554	10 Pupil Nurses at \$144 each.....	1,440
555	6 Orderlies at \$180 each.....	1,080
556	7 Orderlies at \$240 each.....	1,680
557	2 Cook's Helpers at \$216 each.....	432
558	3 Pantrymen at \$216 each.....	648
559	10 Helpers at \$192 each.....	1,920
560	1 Morgue Tender .....	240
561	9 Wardmen at \$120 each.....	1,080
562	1 Relief Waiter .....	130

\$21,910

**Isolation Hospital:**

563	1 Resident Physician .....	\$ 2,400
564	1 Interne .....	120
565	1 Head Nurse .....	1,200
566	1 Attendant to Lepers.....	1,080
567	4 Graduate Nurses at \$900 each.....	3,600
568	2 Cooks at \$1,080 each.....	2,160
569	10 Pupil Nurses at \$144 each.....	1,440
570	1 Night Watchman .....	720



## HEALTH DEPARTMENT—Continued

Budget

Item No.

571	1 Day Watchman .....	960
572	1 Gardener .....	960
573	5 Wardwomen at \$420 each.....	2,100
574	4 Helpers at \$120 each.....	480
575	2 Helpers at \$144 each.....	288
576	2 Laundrywomen at \$420 each.....	840
577	1 Kitchen Helper .....	360
578	1 Ambulance Driver .....	960
579	Maintenance .....	16,000
580	Additional Nurses .....	1,000

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 \$36,668

## Emergency Hospital:

581	Chief Surgeon .....	\$ 2,400
582	1 Chief Steward .....	2,100
583	1 Clerk-Stenographer .....	1,200
584	12 Assistant Surgeons at \$1,320 each.....	15,840
585	18 Stewards at \$1,200 each.....	21,600
586	6 Nurses at \$1,080 each.....	6,480
587	3 Matrons at \$960 each.....	2,880
588	3 Pupil Nurses at \$144 each.....	432
589	1 Seamstress .....	720
590	12 Drivers at \$1,200 each.....	14,400
591	Maintenance .....	14,335

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 \$82,387

## Relief Home:

592	Superintendent .....	\$ 3,600
593	1 Clerk .....	1,620
594	1 Stenographer .....	1,080
595	2 Physicians at \$1,620 each.....	3,240
596	1 Head Nurse .....	900
597	1 Nurse .....	840
598	1 Night Nurse .....	780
599	3 Nurses at \$720 each.....	2,160
600	1 Steward .....	1,380
601	1 Steward .....	1,320
602	1 Steward .....	960
603	1 Steward .....	900
604	1 Steward .....	840
605	1 Steward .....	720

## HEALTH DEPARTMENT—Continued

Budget		
Item No.		
606	1 Head Matron .....	1,080
607	2 Matrons at \$780 each.....	1,560
608	1 Ambulance Driver .....	960
609	1 Warehouse Man .....	1,200
610	1 Plumber .....	960
611	1 Foreman .....	960
612	2 Watchmen at \$780 each.....	1,560
613	1 Auto Truck Driver.....	960
614	1 Engineer .....	1,680
615	1 Assistant Engineer .....	1,380
616	1 Butcher .....	1,200
617	1 Gardener .....	1,080
618	2 Farmers at \$960 each.....	1,920
619	Cooks, number required.....	6,720
620	Laundrymen, number required.....	1,080
621	Laundresses, number required.....	540
622	1 Pantryman .....	720
623	1 Orderly .....	480
624	2 Seamstresses at \$600 each.....	1,200
625	1 Milker .....	600
626	1 Milker .....	480
627	1 Hospital Attendant .....	480
628	Inmate Labor .....	15,720
629	Maintenance .....	150,000
		\$215,700
<b>For Additional Equipment for Health Service:</b>		
630	2 Ford Automobiles .....	\$ 1,100
631	1 Emergency Hospital Motor Ambulance.....	3,000
		\$4,100
632	For special Emergency Sanitary Measures to be expended by the Board of Health and the United States Marine Hospital Service, under the direction of the Board of Supervisors.....	10,000
		\$10,000

**FIRE DEPARTMENT.**

Budget

Item No.

633	4 Commissioners at \$1,200 each.....	\$ 4,800
634	Secretary .....	2,400
635	Physician .....	1,800
636	Stenographer .....	1,800
637	Chief Engineer .....	5,006
638	First Assistant Chief.....	3,600
639	Second Assistant Chief.....	3,000
640	11 Battalion Chiefs at \$2,700 each.....	29,700
641	13 Operators at \$1,500 each.....	19,500
642	48 Engine Companies .....	799,720
643	2 Relief Companies .....	8,040
644	12 Chemical Engine Companies.....	77,250
645	12 Truck Companies .....	214,260
646	2 Fire Boats .....	76,000
647	3 Monitors .....	4,320
648	2 Water Towers .....	12,860
		<hr/>
		\$1,264,050

**Corporation Yard:**

649	1 Superintendent of Engines.....	\$ 2,700
650	1 Clerk and Commissary.....	1,800
651	1 Night Watchman .....	1,200
652	5 Watchmen at \$1,200 each.....	6,000
653	3 Draymen at \$1,200 each.....	3,600
654	8 Machinists at \$4.50 per day.....	11,304
655	1 Foreman, Wagon and Carriage Shop.....	1,570
656	5 Blacksmiths at \$4.50 per day.....	7,065
657	5 Blacksmiths' Helpers at \$3.75 per day.....	5,887
658	1 Woodworker at \$4.50 per day.....	1,413
659	1 Pattern Maker at \$5.25 per day.....	1,649
660	1 Brass Finisher at \$4.50 per day.....	1,413
661	2 Boiler Makers at \$4.50 per day.....	2,836
662	2 Boiler Makers' Helpers at \$3.25 per day.....	2,047
663	1 Steam Fitter at \$6.00 per day.....	1,884
664	1 Foreman Painter at \$5.00 per day.....	1,570
655	3 Carriage Painters at \$4.50 per day.....	4,239
666	1 Foreman Harness Maker at \$5.00 per day.....	1,570
667	3 Harness Makers at \$4.25 per day.....	4,003

**FIRE DEPARTMENT—Continued**

Budget

Item No.

668	4	Horseshoers at \$5.00 per day.....	6,280
669	7	Hydrantmen at \$1,200 each.....	8,400
670	1	Superintendent of Stables.....	1,860
671	1	Veterinarian .....	1,200
672	8	Hostlers at \$1,200 each.....	9,600
672a	1	Draftsman .....	1,500

**Auxiliary Fire Protection:**

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\$92,590

Pumping Stations Nos. 1 and 2.

673	2	Chief Engineers at \$2,100 each.....\$	4,200
674	5	Assistant Engineers at \$1,500 each.....	7,500
675	7	Firemen at \$1,200 each.....	8,400

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\$20,100**Distributing System:**

676	1	Superintendent .....	\$ 2,400
677	1	Foreman Gateman .....	1,500
678	5	Gatemen at \$1,200 each.....	6,000
679	3	Laborers at \$3.00 per day.....	2,817
680	1	Caulker at \$4.50 per day.....	1,404
681	1	Keeper Twin Peaks and Ashbury Reservoirs.....	1,440

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\$15,561

682		Fire Department Maintenance.....\$	150,000
683		For purchase of Fire Fighting Apparatus and Hose.....	80,000

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\$230,000**DEPARTMENT OF ELECTRICITY.**

684	1	Chief .....	\$ 3,000
685	1	Secretary-Bookkeeper .....	2,100
686	1	Stenographer .....	1,320
687	1	Messenger .....	1,020
688	1	Chief Inspector .....	1,800
689	6	Inspectors at \$1,500 each.....	9,000
690	1	Inspector Aero Construction.....	1,500
691	1	Clerk .....	1,200
692	1	Chief Operator .....	1,800
693	7	Operators at \$1,500 each.....	10,500
694	4	Telephone Operators at \$1,020 each.....	4,080

**DEPARTMENT OF ELECTRICITY—Continued**

Budget

Item No.

695	For Vacation and Relief of Telephone Operators.....	300
696	1 Foreman Machine Shop.....	1,620
697	3 Instrument Makers at \$1,350 each.....	4,050
698	1 Machinist .....	1,350
699	1 Painter .....	1,350
700	1 Assistant Chief, Construction Department.....	2,400
701	1 Foreman Lineman .....	1,500
702	1 Cable Splicer .....	1,716
703	1 Batteryman .....	1,500
704	1 Storekeeper .....	1,200
705	1 Hostler .....	1,200
706	12 Linemen at \$1,350 each.....	16,200
707	1 Repairer .....	1,380
708	Laborers .....	2,160
709	Maintenance, Supplies and Equipment.....	6,000
710	General Extensions, including Police Signal System.....	36,000

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 \$117,246
**DEPARTMENT OF ELECTIONS.**

711	General Elections .....	\$ 274,000
712	5 Commissioners at \$1,000 each.....	5,000
713	Registrar of Voters.....	2,400
714	2 Deputies at \$2,100 each.....	4,200
715	6 Deputies at \$1,800 each.....	10,800
716	2 Stenographers at \$1,200 each.....	2,400
717	1 Storekeeper .....	1,200
718	Special Elections .....	50,000

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 \$350,000

719	Relief of Exempt Firemen.....	\$ 5,000
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 \$5,000

Total General Fund, \$9,379,739.00

720	Firemen's Relief and Pension Fund.....	\$ 105,000
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 \$105,000

## COMMON SCHOOL FUND.

Budget

Item No.

721	4 Commissioners at \$3,000 each.....	\$ 12,000
722	1 Superintendent .....	4,000
723	5 Deputies at \$3,000 each.....	15,000
724	Stenographer-Clerk to Superintendent of Schools.....	1,500
725	1 Secretary .....	1,800
726	1 Financial Secretary .....	2,160
727	2 Recording Secretaries at \$1,020 each.....	2,040
728	3 Stenographers at \$1,200 each.....	3,600
729	1 Telephone Operator .....	1,020
730	2 Messengers at \$960 each.....	1,920
731	1 Storekeeper .....	1,800
732	1 Assistant Storekeeper .....	960
733	1 Superintendent of Buildings.....	2,100
734	1 Clerk (Gas and Water Inspection).....	1,500
735	1 Bookkeeper, Supply Department.....	1,500
736	1 Chauffeur .....	1,500
737	Clerical Help, new accounting system.....	900
738	Teachers' Salaries .....	1,670,000
738a	New Teachers Elementary Schools.....	60,000
738b	New Teachers for High Schools.....	10,000
738c	Allowance for Teachers Outside Experience.....	25,000
739	Janitorial Salaries .....	116,000
740	Labor .....	15,000
741	Rents .....	3,000
742	Teachers' Institute .....	500
743	Maintenance .....	130,000
744	Scavenger Service .....	4,000
744a	Lecture Bureau .....	2,000
745	Athletic Department, Social Center.....	14,000
746	Kindergartens .....	5,000
747	Auto for Superintendent.....	850
748	Polytechnic High School Equipment.....	20,000
		\$2,130,650
749	Library Fund .....	\$ 97,000
750	Park Fund .....	378,000
751	Bond Interest and Redemption.....	2,912,193
	Grand Total, \$15,002,582.00	

Section 2. This Ordinance shall take effect immediately.

Ayes—Supervisors Deasy, Gallagher, Hayden, Hilmer, Hocks, Jennings, Kortick, Murdock, Nelson, Nolan, Payot, Power, Suhr, Vogelsang, Walsh—15.

Absent—Supervisors Bancroft, McCarthy, McLeran—3.

J. S. DUNNIGAN,  
Clerk Board of Supervisors.

Approved June 16, 1915.

JAMES ROLPH, JR., Mayor.

**TAX LEVY.**

Providing revenue and levying taxes for City and County purposes for the fiscal year ending June 30, 1917.

Be it ordained by the People of the City and County of San Francisco as follows:

Section 1. Under and pursuant to the provisions of the Charter of the City and County of San Francisco, and of the laws of the State of California, and in conformity therewith, a tax is hereby levied for City and County purposes for the fiscal year ending June 30, 1917, on all the property, real and personal, in the City and County of San Francisco, except such property as is by law exempt from taxation, the sum of two and thirty-three one-hundredths dollars on each one hundred dollars valuation of said taxable property, as the same appears upon the assessment roll of said City and County for said fiscal year, which said sum of two and thirty-three one-hundredths dollars tax on each one hundred dollars valuation as aforesaid is hereby apportioned to the funds and accounts and for the purpose designated as follows:

For the General Fund (being the tax permitted to be levied by Section 11 of Chapter I of Article III of the Charter of said City and County not in excess of one dollar on each \$100.00 assessed valuation) a rate of.....	\$0.97
For the General Fund, to meet the cost of the construction and repairs to streets, sewers and buildings for the police, fire, health and school departments and detention home, the rate of .....	.29
For the General Fund, to meet the costs of elections and to pay demands, salaries, expenses or other obligations imposed upon the City and County by legislative or constitutional enactment of the State of California, the rate of.....	.15
For the Library Fund, to meet the cost of maintaining public libraries and the purchase of books therefor, the rate of....	.02
For the Park Fund, to pay for the maintenance of the parks, squares and public grounds, the rate of.....	.07
For the Firemen's Relief and Pension Fund, the rate of.....	.02
For the Common School Fund (for the support of Elementary and High Schools), the rate of.....	.27
For the respective funds to redeem and pay the interest on bonds sold prior to November 8, 1910, as follows:	
Street Bond, Redemption and Interest Fund, issue 1904.....	.0073
School Bond Redemption and Interest Fund, issue 1904.....	.0129



County Jail and Additions to Hall of Justice Bond Redemption and Interest Fund, issue 1904.....	.0029
Library Bond Redemption and Interest Fund, issue 1904....	.0070
Children's Playgrounds Bond Redemption and Interest Fund, issue 1904.....	.0052
Golden Gate Park and Presidio Extension Bond Redemption and Interest Fund, issue 1904.....	.0023
Mission Park Bond Redemption and Interest Fund, issue 1904 .....	.0020
Fire Protection Bond Redemption and Interest Fund, issue 1908 .....	.0446
Sewer Bond Redemption and Interest Fund, issue 1908.....	.0272
School Bond Redemption and Interest Fund, issue 1908.....	.0354
Hospital Bond Redemption and Interest Fund, issue 1908....	.0145
Hall of Justice Bond Redemption and Interest Fund, issue 1908 .....	.0086
Garbage Disposal Bond Redemption and Interest Fund, issue 1908 .....	.0101
 For the respective funds to redeem and pay the interest on bonds sold since November 8, 1910, as follows:	
Street Bond Redemption and Interest Fund, issue 1904.....	.0009
School Bond Redemption and Interest Fund, issue 1904.....	.0035
Library Bond Redemption and Interest Fund, issue 1904....	.0035
Fire Protection Bond Redemption and Interest Fund, issue 1908 .....	.0136
Sewer Bond Redemption and Interest Fund, issue 1908.....	.0188
School Bond Redemption and Interest Fund, issue 1908.....	.0325
Hospital Bond Redemption and Interest Fund, issue 1908....	.0147
Hall of Justice Bond Redemption and Interest Fund, issue 1908 .....	.0056
Garbage Disposal Bond Redemption and Interest Fund, issue 1908 .....	.0015
Polytechnic High School Bond Redemption and Interest Fund, issue 1910 .....	.0089
Water Bond Interest Fund, issue 1910.....	.0320
City Hall Bond Redemption and Interest Fund, issue 1912....	.1185
Exposition Bond Redemption and Interest Fund, issue 1912	.0797
Hospital-Jail Completion Bond Redemption and Interest Fund, issue 1913.....	.0263

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\$2.33

Section 2. This Ordinance shall take effect immediately.

## VALUES OF PROPERTY IN, AND INDEBTEDNESS OF, EACH COUNTY FOR THE YEAR

COUNTIES.	Classification.	Number of Acres of Land Assessed	Value of Real Estate.	Value of Improvements on Real Estate.	Value of Personal Property.	Money and Solvent Credits.	Value of Non-Operative Property.
Alameda.....	3d class	458,370	\$147,418,116	\$65,672,550	\$20,633,486	\$1,649,180	\$235,373,332
Alpine.....	58th	42,947	467,373	108,555	69,344		645,272
Amador.....	41st	297,858	3,743,208	1,674,920	752,693		6,170,821
Butte.....	19th	900,618	12,119,805	4,900,430	3,142,345	32,260	20,194,840
Calaveras.....	40th	501,317	4,601,945	1,704,025	986,670	12,420	7,305,060
Colusa.....	44th	610,082	11,420,225	1,606,865	1,755,080	34,470	14,816,640
Contra Costa.....	16th	440,105	26,484,135	14,664,295	8,628,061	2,089,245	51,865,736
Del Norte.....	56th	220,958	4,469,250	266,855	252,305	250	4,988,660
El Dorado.....	45th	671,741	5,004,685	1,186,405	816,240	600	7,007,930
Fresno.....	5th	2,251,340	53,241,439	19,186,373	12,931,585	290,132	85,619,520
Glenn.....	46th	622,413	13,126,997	1,585,893	1,956,482	14,350	16,683,722
Humboldt.....	15th	1,650,336	24,399,750	4,260,470	2,988,492	61,123	31,709,835
Imperial.....	36th	992,686	19,168,333	2,984,646	3,974,228		26,127,207
Inyo.....	47th	275,436	5,418,561	1,200,140	1,227,081	11,788	7,857,570
Kern.....	11th	3,225,581	46,591,203	12,319,764	16,436,938	4,280	75,352,185
Kings.....	32d	823,434	10,446,135	2,338,920	2,887,915	13,445	15,686,415
Lake.....	50th	332,547	3,404,365	928,690	585,925	15,650	4,934,630
Lassen.....	52d	820,981	5,020,531	841,353	1,812,057	28,127	7,702,068
Los Angeles.....	1st	1,208,856	533,617,675	169,883,825	84,805,256	9,581,080	797,887,806
Madera.....	42d	765,669	11,395,370	1,106,400	1,626,629	78	14,128,507
Marin.....	22d	321,871	13,881,370	6,225,310	1,673,100	147,265	21,927,045
Mariposa.....	54th	334,510	2,261,113	501,766	620,104	1,455	3,384,438
Mendocino.....	24th	1,650,784	11,605,460	2,312,165	2,445,578	71,373	16,434,576
Merced.....	33d	1,179,401	16,335,825	3,191,500	3,607,365		23,134,890
Modoc.....	49th	687,736	4,925,150	1,025,565	1,767,471	128,915	7,847,101
Mono.....	57th	174,957	1,367,335	265,185	417,950		2,060,470
Monterey.....	23d	1,565,860	21,610,991	5,026,180	4,494,188	500	31,131,859
Napa.....	26th	402,309	9,065,020	5,659,200	2,649,870	47,055	17,421,145
Nevada.....	34th	480,764	3,297,425	2,524,495	933,835	22,430	6,778,185
Orange.....	14th	446,012	30,254,450	9,566,090	9,704,475	61,775	49,586,790
Placer.....	31st	632,270	6,239,460	2,752,205	651,910	19,650	9,663,225
Plumas.....	51st	529,305	5,368,396	746,575	1,077,600	24,571	7,216,692
Riverside.....	13th	1,789,975	18,616,323	7,938,480	2,569,790		29,124,593
Sacramento.....	6th	597,996	55,872,776	19,833,270	8,658,800	615,560	84,980,406
San Benito.....	43d	592,658	6,020,085	1,591,170	1,515,175		9,126,430
San Bernardino.....	8th	1,379,864	26,714,960	13,706,155	3,226,235	26,015	43,673,365
San Diego.....	7th	1,179,782	53,375,417	11,505,030	6,511,952	97,384	72,369,783
San Francisco.....	2d	29,760	302,575,489	175,387,605	47,368,558	17,231,204	542,562,856
San Joaquin.....	9th	870,916	37,340,326	15,083,132	7,743,987	257,141	60,424,586
San Luis Obispo.....	27th	2,528,275	9,907,381	3,676,801	5,663,994	1,100	19,249,276
San Mateo.....	20th	307,332	22,107,385	9,680,755	2,068,220	290,950	34,147,310
Santa Barbara.....	17th	1,042,107	17,436,430	7,970,960	5,798,975	10,200	31,216,565
Santa Clara.....	4th	743,822	47,187,880	23,708,890	6,700,865	671,835	78,269,470
Santa Cruz.....	21st	259,289	10,860,875	5,482,250	1,926,400	7,005	18,276,530
Shasta.....	28th	1,483,086	10,146,545	2,540,205	1,656,105		14,342,855
Sierra.....	53d	325,431	1,652,100	439,175	200,630	1,785	2,294,230
Siskiyou.....	29th	1,870,241	11,889,060	2,276,090	3,093,740	54,345	17,313,235
Solano.....	18th	1,515,215	14,775,120	6,055,255	2,895,916	18,592	23,744,883
Sonoma.....	10th	914,985	21,109,820	10,876,970	4,691,910	145,495	36,824,195
Stanislaus.....	25th	870,900	18,777,530	6,320,305	4,423,340	135,920	29,657,095
Sutter.....	48th	374,513	8,976,735	1,292,200	1,289,580	23,850	11,582,365
Tehama.....	37th	2,060,881	9,093,415	2,397,175	2,313,140	76,000	13,879,730
Trinity.....	55th	582,980	2,490,005	307,300	408,600	8,115	3,208,420
Tulare.....	37th	1,407,836	30,020,670	9,626,265	5,382,815	39,130	45,068,880
Tuolumne.....	39th	450,629	4,803,687	2,101,740	1,000,803	3,116	7,909,346
Ventura.....	30th	563,766	21,961,150	3,555,840	3,356,460	10,565	28,883,656
Yolo.....	35th	597,763	15,479,940	3,533,230	2,480,005	22,300	21,515,475
Yuba.....	38th	396,104	4,523,230	1,856,660	2,150,955	14,635	8,545,480
Totals.....		49,255,160	\$1,851,485,421	\$696,960,698	\$333,403,268	\$35,005,709	\$2,916,855,096

NOTE:—Where two rates of taxation are given, the lesser rate is that levied upon property

1916 AND RATE OF TAXATION (NO RATE FOR STATE PURPOSES THIS YEAR.)

Value of Property Assessed on Operative Roll.	Total Value of Property as Returned by Auditors.	Value of Railroads as Assessed by State Board of Equalization.	Grand Total of All Property.	Funded Debt.	Floating Debt with Estimated Interest.	Total County Indebtedness.	Total County Rate of Taxation on each \$100 (no State Rate).	In- Out-
\$21,980,159	\$257,353,491	\$5,262,270	\$262,615,761		\$25,273 08	\$25,273 08	\$1.00	\$1.40
119,550	764,822		764,822		6,696 66	6,696 66	1.60	2.00
605,545	6,776,366	212,230	6,988,596				2.40	2.80
2,164,135	22,358,975	3,471,811	25,830,786				1.65	2.05
498,595	7,803,655	408,854	8,212,509				1.35	1.90
434,407	15,251,047	991,200	16,242,337	\$350,000		350,000 00	1.55	1.95
2,227,416	54,093,152	4,162,807	58,255,959	161,000		161,000 00	1.30	1.90
35,050	5,023,710		5,023,710		2,388 00	2,388 00	1.70	2.10
315,333	7,323,263	797,386	8,120,649	120,000		120,000 00	1.26	1.66
5,772,164	91,421,684	8,208,403	99,630,087				1.29	1.69
290,837	16,974,559	1,519,306	18,493,865	450,000		450,000 00	1.86	2.40
1,089,040	32,798,875	1,705,704	34,504,579				1.48	2.05
1,818,202	27,945,409	2,799,256	30,744,665				1.30	1.60
1,263,305	9,120,875	3,293,453	12,414,328	30,000		30,000 00	1.85	2.20
7,266,735	82,618,920	8,460,044	91,078,964	2,451,000		2,451,000 00	1.80	2.40
567,405	16,253,820	2,188,965	18,442,785	655,000		655,000 00	1.59	2.00
19,820	4,954,450		4,954,450	20,000		20,000 00	1.60	2.00
178,925	7,890,993	2,697,635	10,578,628	100,000		100,000 00	1.50	1.90
182,513,725	980,401,531	10,977,331	991,378,862	3,300,000		3,300,000 00	1.40	1.75
593,430	14,721,937	1,821,157	16,543,094				1.90	2.40
844,650	22,771,695	1,223,859	23,995,554				1.40	1.75
24,979	3,409,417	388,116	3,797,533				1.75	2.35
683,657	17,118,233	1,576,029	18,694,262	57,500	1,740 79	59,240 79	1.40	2.00
370,485	23,505,375	3,415,049	26,920,424	10,000		10,000 00	1.30	1.70
76,248	7,923,349	231,982	8,155,331				2.00	2.80
7,820	2,058,290	702,555	2,760,845				1.40	1.80
727,378	31,859,237	3,686,268	35,545,505	548,000		548,000 00	1.39	1.76
531,983	17,953,128	1,777,429	19,730,557				1.90	2.40
951,975	7,730,160	817,067	8,547,227				1.55	1.95
4,521,555	54,108,345	3,295,245	57,403,590	1,308,000		1,308,000 00	2.25	2.65
1,255,631	10,918,856	2,559,025	13,477,861				1.85	2.57
1,575,766	8,792,368	2,128,302	10,920,670	135,100		135,100 00	1.97	2.57
1,853,860	30,978,453	5,588,932	36,567,385	1,260,000		1,260,000 00	1.373	1.96
7,719,490	92,699,896	3,874,070	96,573,966	1,485,000	39,475 00	1,524,475 00	2.15	2.40
447,100	9,573,530	502,769	10,076,299	278,000		278,000 00	1.90	2.53
6,701,830	50,375,195	17,582,934	67,958,129	1,900,000		1,900,000 00	1.75	2.45
4,617,570	76,947,353	2,483,344	79,470,697	1,064,000		1,064,000 00	2.33	3.00
213,325,918	755,888,774	3,446,458	756,235,232	44,934,700		44,934,700 00	1.60	2.00
4,236,439	64,661,025	5,722,422	70,383,447	1,650,000		1,650,000 00	1.69	2.25
756,583	20,005,859	2,104,218	22,110,077	66,000		66,000 00	1.82	2.22
1,124,533	35,271,845	1,058,910	36,330,755	1,373,000	22,730 00	1,395,730 00	1.60	2.15
1,829,260	33,045,825	3,456,420	36,502,245	250,000		250,000 00	1.50	1.90
6,441,830	84,711,300	2,539,060	87,250,360	300,000		300,000 00	1.70	2.30
1,100,365	19,376,895	1,290,808	20,667,703				1.93	2.33
1,091,400	15,434,255	1,747,684	17,181,939				1.75	2.25
60,760	2,354,990	89,036	2,444,026				1.46	1.86
930,760	18,243,995	3,283,298	21,527,293				1.57	1.97
1,234,282	24,979,165	2,324,926	27,304,091	190,000		190,000 00	1.40	1.80
1,616,755	38,440,950	2,800,820	41,241,770	250,000		250,000 00	1.60	2.00
1,196,265	30,853,360	2,878,523	33,731,883				1.10	1.50
293,991	11,876,356	1,595,822	13,472,178				2.37	2.80
662,785	14,542,515	1,354,462	15,896,977		11,000 00	11,000 00	2.50	3.00
55,118	3,263,538	168,441	3,431,979				1.60	2.20
2,142,660	47,211,540	6,112,193	53,323,733				1.66	2.13
1,125,824	9,035,170	458,737	9,493,907		640 26	640 26	1.82	2.15
854,078	29,737,733	2,905,084	32,642,817	1,364,000		1,364,000 00	1.30	1.90
686,315	22,201,790	2,649,994	24,851,784	200,000		200,000 00	2.00	2.40
853,070	9,398,550	1,308,417	10,706,967		22 09	22 09		
\$504,284,748	\$3,421,139,844	\$157,006,590	\$3,578,146,434	\$66,260,300	\$109,965 88	\$66,370,265 88		

situate within the limits of incorporated cities or towns, such property being exempt from road tax.

# Department of Elections

San Francisco, Cal., July 27, 1916.

Hon. James Rolph, Jr.,

Mayor, City and County of San Francisco.

Sir:—

In compliance with provisions of Section 9, Article XVI, of the Charter of the City and County of San Francisco, the Board of Election Commissioners hereby submit and present its annual report for fiscal year ending June 30, 1916.

Four elections were held during the past fiscal year, as follows:

September 28, 1915.....	Municipal Primary
October 26, 1915.....	Special State
November 9, 1915.....	General Municipal
May 2, 1916.....	Presidential Primary

The report includes the financial statement for the past fiscal year, together with a table showing date of elections, number of precincts, total registration and vote polled at each election since June 19, 1878.

Also summary of votes cast at election held September 28, 1915, October 26, 1915, November 9, 1915, and May 2, 1916.

Also statement showing number of men and women registered and voted, nativity of voters and statement showing a record of all bond elections since December 27, 1899.

Respectfully submitted,

By order of the Board of Election Commissions of the City and County of San Francisco.

C. J. COLLINS, President,  
JOHN HERMANN,  
JAS. K. PRIOR, JR.,  
THOMAS V. CATOR,  
WILLIAM McDEVITT,

Election Commissioners.

J. H. ZEMANSKY,

Registrar of Voters and Secretary of the Board of Election Commissioners.

## ANNUAL STATEMENT SHOWING APPROPRIATIONS AND EXPENDITURES, DEPARTMENT OF ELECTIONS, FOR FISCAL YEAR ENDING JUNE 30, 1916.

General Appropriation 1915-1916.....	\$300,000.00
General Expenses .....	278,669.28
Surplus .....	\$ 21,330.72
Special Appropriation .....	\$ 50,000.00
Expenditures .....	1,503.00
Surplus .....	\$ 48,497.00
<b>FEES COLLECTED.</b>	
Indexes to Register.....	\$ 627.45
Candidates' Statements .....	1,470.00
Filing Fees .....	10.00
Total .....	\$2,107.45

DEPARTMENT OF ELECTIONS

STATEMENT OF VOTES POLLED AT THE PRIMARY MUNICIPAL ELECTION HELD IN THE CITY AND COUNTY OF  
SAN FRANCISCO, SEPTEMBER 28, 1915.

MAYOR.

Assembly District	Total Vote Polled	L. Boggione	Gideon S. Brower	F. Carroll	Andrew J. Gallagher	Frederick Head	James Rolph, Jr.	H. E. Schmitz	William T. Valentine	Scattering
Twenty-first	6,712	11	183	16	1,552	16	2,564	2,326	12	
Twenty-second	4,878		114	6	1,023	2	1,792	1,900	7	
Twenty-third	7,932	8	229	24	1,494	19	2,544	3,559	5	
Twenty-fourth	9,118	1	192	7	1,587	38	3,773	3,460	9	
Twenty-fifth	10,233	4	164	12	1,598	43	4,846	3,524	12	
Twenty-sixth	13,365	4	210	17	1,879	60	7,393	3,687	27	
Twenty-seventh	10,051	4	124	7	1,132	38	6,671	2,005	18	
Twenty-eighth	10,986	4	107	7	1,094	26	7,370	2,273	18	
Twenty-ninth	9,710	10	198	21	1,764	15	4,329	3,292	14	
Thirtieth	9,804	9	238	14	983	28	5,528	3,041	21	
Thirty-first	9,604	7	70	10	610	17	6,922	1,865	21	2
Thirty-second	10,301	4	90	9	723	20	7,070	2,315	25	
Thirty-third	6,321	16	53	7	479	15	3,106	2,551	11	
Totals	119,105	82	1,972	157	15,918	337	63,908	35,798	200	2

## DEPARTMENT OF ELECTIONS

## STATEMENT OF VOTES, PRIMARY MUNICIPAL ELECTION, SEPTEMBER 28, 1915.

## POLICE JUDGE.

Assembly District	E. G. Bath	J. F. Brady	Timothy I. Fitzpatrick	John J. Guilloyle, Jr.	Edward B. Harrington	T. B. Lynch	Henry F. Marshall	Morris Oppenheim	W. C. Shepard	W. H. Sigourney	J. L. Taaffe
Twenty-first	1,518	1,594	2,277	108	161	627	252	3,759	343	310	1,176
Twenty-second	1,004	1,534	1,520	90	101	369	131	2,538	280	190	1,183
Twenty-third	1,693	1,535	2,032	254	206	678	282	4,224	498	371	2,626
Twenty-fourth	2,098	2,469	2,257	430	287	951	297	4,385	508	308	2,717
Twenty-fifth	2,029	2,206	2,841	586	330	1,195	306	5,694	365	254	2,973
Twenty-sixth	3,148	2,592	3,855	287	331	2,036	608	7,073	540	426	3,349
Twenty-seventh	3,218	1,456	3,166	119	225	842	477	5,783	303	230	2,309
Twenty-eighth	3,125	1,758	3,357	109	214	702	391	6,760	431	336	2,401
Twenty-ninth	2,283	2,106	3,089	173	199	857	379	5,273	511	364	2,302
Thirtieth	2,645	1,697	2,872	107	237	1,113	322	5,783	462	467	1,830
Thirty-first	2,375	1,431	3,468	128	350	558	264	5,596	243	224	1,952
Thirty-second	2,512	1,617	3,849	139	361	548	381	6,301	246	237	2,002
Thirty-third	867	1,606	2,405	95	193	328	196	4,020	141	139	1,250
Totals	28,515	23,601	36,988	2,625	3,195	10,804	4,286	67,189	4,821	3,856	28,070

## DEPARTMENT OF ELECTIONS

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## STATEMENT OF VOTES, PRIMARY MUNICIPAL ELECTION, SEPT. 28, 1915

## DISTRICT ATTORNEY.

Assembly District	C. M. Fickert	John A. Ness	C. A. Sweigert	Scattering
Twenty-first .....	3,840	380	2,129	1
Twenty-second .....	2,735	248	1,665	
Twenty-third .....	4,085	432	2,982	
Twenty-fourth .....	4,829	401	3,478	
Twenty-fifth .....	5,620	366	3,868	
Twenty-sixth .....	6,838	429	5,612	
Twenty-seventh .....	5,151	286	4,255	
Twenty-eighth .....	5,834	299	4,453	
Twenty-ninth .....	4,962	372	3,833	
Thirtieth .....	5,537	428	3,467	
Thirty-first .....	5,450	206	3,548	
Thirty-second .....	6,205	187	3,511	
Thirty-third .....	4,401	181	1,390	
Totals .....	65,487	4,215	44,191	1

## ASSESSOR.

Assembly District	John Ginty	N. Mattison	W. H. McCarthy	F. McGlynn	John P. McLaughlin	Scattering
Twenty-first .....	2,427	381	1,369	83	2,063	
Twenty-second .....	1,604	278	1,255	53	1,469	
Twenty-third .....	2,657	421	1,898	117	2,466	
Twenty-fourth .....	3,645	363	2,334	133	2,261	
Twenty-fifth .....	3,956	350	3,074	57	2,411	
Twenty-sixth .....	6,888	460	3,274	88	2,078	
Twenty-seventh .....	5,600	295	2,699	83	1,011	
Twenty-eighth .....	6,377	254	2,802	140	985	
Twenty-ninth .....	4,027	407	2,379	138	2,300	
Thirtieth .....	5,113	428	2,461	108	1,322	
Thirty-first .....	5,988	216	2,152	79	703	1
Thirty-second .....	5,841	257	2,966	93	751	
Thirty-third .....	2,302	157	2,601	158	732	
Totals .....	56,425	4,267	31,264	1,330	20,552	1

## DEPARTMENT OF ELECTIONS

STATEMENT OF VOTES, PRIMARY MUNICIPAL ELECTION, SEPT. 23, 1915

AUDITOR.

Assembly District	T. F. Boyle	C. A. Preston	Scattering
Twenty-first .....	4,969	952	1
Twenty-second .....	3,823	589	
Twenty-third .....	6,113	1,118	
Twenty-fourth .....	7,080	1,165	
Twenty-fifth .....	8,225	1,126	
Twenty-sixth .....	10,514	1,629	
Twenty-seventh .....	8,145	1,006	
Twenty-eighth .....	8,813	1,113	
Twenty-ninth .....	7,470	1,253	
Thirtieth .....	7,454	1,413	
Thirty-first .....	17,821	814	
Thirty-second .....	7,978	1,213	
Thirty-third .....	4,906	646	
Totals .....	93,311	14,037	1

## COUNTY CLERK.

Assembly District	A. M. Clark	H. I. Mulcrevy	Scattering
Twenty-first .....	1,078	4,875	2
Twenty-second .....	679	3,688	
Twenty-third .....	1,136	6,047	
Twenty-fourth .....	1,173	7,029	
Twenty-fifth .....	1,396	8,089	
Twenty-sixth .....	1,646	10,422	
Twenty-seventh .....	1,054	8,161	
Twenty-eighth .....	1,087	8,893	
Twenty-ninth .....	1,389	7,421	
Thirtieth .....	1,313	7,620	
Thirty-first .....	801	7,926	1
Thirty-second .....	954	8,296	
Thirty-third .....	673	4,946	
Totals .....	14,279	93,413	3



## STATEMENT OF VOTES, PRIMARY MUNICIPAL ELECTION, SEPT. 28, 1915

## SHERIFF.

Assembly District	R. Allen	F. Eggers	Thos. F. Finn	E. M. Greene	C. W. Johnson	R. McLeran	Scattering
Twenty-first .....	240	1,036	4,226	26	57	819	1
Twenty-second .....	190	836	2,979	13	38	607	
Twenty-third .....	307	1,238	4,775	27	79	1,151	
Twenty-fourth .....	237	1,442	5,191	22	60	1,850	
Twenty-fifth .....	225	1,545	5,930	38	59	2,073	
Twenty-sixth .....	289	2,289	6,637	70	119	3,415	
Twenty-seventh .....	182	1,522	4,653	43	75	3,134	
Twenty-eighth .....	164	1,756	5,397	67	75	3,052	
Twenty-ninth .....	231	2,030	5,302	39	64	1,643	
Thirtieth .....	284	1,763	5,166	108	65	2,036	
Thirty-first .....	110	1,487	4,487	76	109	2,796	
Thirty-second .....	128	1,503	5,178	72	97	2,825	
Thirty-third .....	110	909	3,986	37	39	886	
Totals .....	2,697	19,356	63,907	638	936	26,287	1

## CORONER.

Assembly District	T. B. W. Leland	Ethel Lynn	Scattering
Twenty-first .....	4,744	1,342	
Twenty-second .....	3,525	949	
Twenty-third .....	5,743	1,579	
Twenty-fourth .....	6,793	1,491	
Twenty-fifth .....	7,920	1,575	
Twenty-sixth .....	10,468	1,955	
Twenty-seventh .....	8,195	1,131	
Twenty-eighth .....	9,077	1,204	
Twenty-ninth .....	7,318	1,625	
Thirtieth .....	7,602	1,507	
Thirty-first .....	8,029	891	5
Thirty-second .....	8,348	1,227	
Thirty-third .....	5,104	646	
Totals .....	92,866	17,122	5

## DEPARTMENT OF ELECTIONS

STATEMENT OF VOTES, PRIMARY MUNICIPAL ELECTION, SEPTEMBER 28, 1915.  
SUPERVISORS.

Assembly District	Max Amber	Fred L. Ayer	Edward J. Brandon	M. P. Christensen	A. Cohan	T. Conway	Neil T. Duffy	Thomas J. Duffy	W. F. Dwyer	W. H. Eastman	Arthur Elken
Twenty-first	317	501	2,691	741	299	672	1,088	633	894	596	626
Twenty-second	86	169	1,402	369	102	398	679	327	511	375	587
Twenty-third	87	410	2,559	653	214	436	833	314	957	533	1,562
Twenty-fourth	99	549	3,352	540	335	358	959	352	860	425	946
Twenty-fifth	98	501	3,534	518	248	375	1,232	412	856	380	974
Twenty-sixth	235	934	4,686	849	356	423	1,467	485	921	490	1,144
Twenty-seventh	168	1,452	4,014	427	230	275	1,333	223	454	331	544
Twenty-eighth	235	683	4,665	444	379	315	1,466	359	492	390	584
Twenty-ninth	224	546	3,749	695	382	503	1,465	481	1,141	519	1,303
Thirtieth	434	646	3,485	674	793	562	1,701	533	753	556	1,018
Thirty-first	223	435	4,288	369	422	286	1,326	388	383	338	475
Thirty-second	349	544	4,768	474	428	369	1,959	531	514	414	575
Thirty-third	83	218	1,999	246	398	385	1,389	612	452	312	442
Totals	2,588	7,588	45,192	6,999	4,586	5,357	16,897	5,650	9,188	5,659	10,780

DEPARTMENT OF ELECTIONS

STATEMENT OF VOTES, PRIMARY MUNICIPAL ELECTION, SEPT. 28, 1915

SUPERVISORS.

Assembly District	T. F. Feeley	F. H. Forrest	Joseph Gallagher	M. E. Galvan	Chas. Gildea	Minnie Goldthwaite	William R. Hagerly	F. L. Hansen	J. Emmet Hayden	John L. Herget	Thor. O. Heydenfeldt
Twenty-first	623	442	1,167	295	264	350	2,268	1,348	2,152	2,168	555
Twenty-second	348	295	1,087	191	192	168	1,319	955	1,633	1,276	361
Twenty-third	672	582	1,585	412	296	431	2,545	1,683	2,712	2,370	1,140
Twenty-fourth	417	508	971	725	422	404	2,673	1,997	3,452	2,563	1,177
Twenty-fifth	412	488	1,033	200	181	300	2,229	1,940	3,730	3,453	1,298
Twenty-sixth	681	782	1,068	164	273	387	2,544	3,421	5,571	2,869	1,171
Twenty-seventh	225	642	665	112	211	274	1,634	3,176	5,062	1,861	606
Twenty-eighth	327	635	752	136	235	277	1,533	3,552	5,706	2,036	688
Twenty-ninth	542	593	1,058	189	222	413	2,104	2,044	3,311	2,429	1,211
Thirtieth	461	687	1,049	176	279	377	1,712	2,813	4,307	2,235	1,066
Thirty-first	221	556	757	125	238	262	1,028	4,323	5,422	1,630	573
Thirty-second	269	644	985	142	281	397	1,536	4,073	5,680	2,092	665
Thirty-third	271	381	1,080	211	337	206	1,661	1,640	2,450	2,106	477
Totals	5,469	7,235	13,257	3,078	3,431	4,246	24,786	32,965	51,188	29,088	10,988

## DEPARTMENT OF ELECTIONS

STATEMENT OF VOTES, PRIMARY MUNICIPAL ELECTION, SEPT. 28, 1915  
SUPERVISORS.

Assembly District	Oscar Hocks	Jerry E. Hunsicker	J. D. Hynes	Wm. Stanley King	Manfred S. Kohlberg	John C. Kortick	L. Lacaze	L. Lagomarsino	Joseph F. Lahaney	Jas. Lynch	H. H. Markel
Twenty-first	2,162	823	1,201	191	697	1,337	661	353	2,367	685	140
Twenty-second	1,544	723	1,031	86	454	799	1,275	381	2,970	338	54
Twenty-third	2,634	1,289	1,986	217	882	1,592	939	635	2,838	792	139
Twenty-fourth	3,218	1,747	2,837	259	1,293	2,098	929	429	2,834	900	147
Twenty-fifth	3,932	1,950	2,846	278	1,508	2,726	1,032	417	3,787	935	198
Twenty-sixth	5,040	2,624	3,619	468	3,037	3,033	1,398	491	3,625	1,037	226
Twenty-seventh	4,289	1,718	2,479	143	2,559	1,988	657	244	2,114	625	195
Twenty-eighth	4,713	1,988	2,133	132	3,190	1,912	1,100	297	2,585	332	92
Twenty-ninth	3,198	1,400	2,232	170	1,238	1,963	854	360	2,626	542	83
Thirtieth	3,470	1,707	1,881	160	2,275	1,393	968	415	1,698	552	96
Thirty-first	4,782	1,012	1,470	190	4,071	1,212	1,031	303	1,138	307	67
Thirty-second	5,091	1,263	1,961	234	3,354	1,603	1,186	348	1,532	517	83
Thirty-third	2,430	660	1,016	154	955	963	1,395	815	1,305	390	70
Totals	46,503	18,904	26,692	2,682	25,513	22,619	13,425	5,388	31,419	8,002	1,590

DEPARTMENT OF ELECTIONS

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STATEMENT OF VOTES, PRIMARY MUNICIPAL ELECTION, SEPT. 28, 1915

SUPERVISORS.

Assembly District	Jas. G. Martin	Jas. R. McElroy	P. McKay	James B. McSheehy	C. E. Moehle	N. W. Mohr	Joseph Mulvihill	C. A. Murdock	Henry Payot	J. L. Polito	A. D. Porter	J. A. Ragsdale
Twenty-first	461	1,485	235	1,906	279	340	2,409	1,178	1,183	375	1,167	264
Twenty-second	303	1,014	142	1,483	237	251	2,080	770	735	327	452	163
Twenty-third	555	1,836	315	2,604	531	572	3,319	1,531	1,493	818	757	336
Twenty-fourth	800	2,057	346	3,688	588	514	4,081	2,188	2,233	844	1,034	273
Twenty-fifth	1,054	2,345	357	3,731	620	730	4,633	2,605	2,790	1,005	1,253	250
Twenty-sixth	1,550	2,353	402	3,644	985	948	5,188	4,621	4,931	1,796	1,436	342
Twenty-seventh	1,178	1,563	243	2,107	907	638	3,275	4,591	4,956	1,067	983	207
Twenty-eighth	999	1,572	396	1,976	2,060	673	3,096	5,110	5,476	966	1,219	244
Twenty-ninth	694	1,769	228	2,461	649	577	3,935	2,879	2,713	1,244	1,606	371
Thirtieth	977	1,427	201	1,432	596	556	2,628	3,101	3,419	746	1,181	324
Thirty-first	1,059	956	102	954	386	550	1,786	4,890	5,193	741	705	125
Thirty-second	1,102	1,125	118	1,187	412	654	2,539	4,627	5,063	782	1,086	134
Thirty-third	964	713	176	980	308	380	2,119	1,598	1,771	1,161	1,238	129
Totals	11,696	20,215	3,261	28,153	8,558	7,383	41,088	39,689	41,956	11,872	14,117	3,162

## DEPARTMENT OF ELECTIONS

STATEMENT OF VOTES, PRIMARY MUNICIPAL ELECTION, SEPT. 28, 1915  
SUPERVISORS.

Assembly District	H. F. Sahlender	F. J. Schmidt	M. J. Tierney	W. T. Troy	Alexander H. Vogelsang	W. E. Walker	Jas. S. Webster	Alex. Weiss	R. J. Welch	John Wobbe	Edw. I. Wolfe	Scattering
Twenty-first	326	356	219	131	1,652	382	766	404	2,175	117	2,478	1
Twenty-second	225	277	126	78	1,056	214	462	247	1,933	83	1,441	
Twenty-third	399	398	222	167	1,797	467	736	508	2,589	108	2,700	
Twenty-fourth	355	498	337	114	2,553	395	1,291	405	2,833	98	2,960	
Twenty-fifth	361	474	362	191	3,071	395	1,680	487	3,406	145	3,437	
Twenty-sixth	435	730	405	272	5,421	539	3,067	578	3,499	165	4,800	
Twenty-seventh	262	402	271	174	5,362	339	3,247	397	2,263	105	3,263	
Twenty-eighth	292	495	336	235	5,707	406	3,321	482	2,291	141	3,929	
Twenty-ninth	504	623	455	297	3,259	536	1,698	619	2,928	292	3,961	
Thirtieth	595	660	411	359	4,381	628	2,616	785	2,330	300	4,578	
Thirty-first	138	256	135	179	5,614	390	4,264	404	1,590	135	3,749	2
Thirty-second	151	244	181	210	5,386	238	3,466	285	1,774	82	3,870	
Thirty-third	120	212	147	138	1,956	167	997	184	1,551	72	2,480	
Totals	4,163	5,625	3,607	2,545	47,215	5,096	28,111	5,785	31,162	1,843	43,646	3

## STATEMENT OF VOTES CAST IN THE CITY AND COUNTY OF SAN FRANCISCO, SPECIAL ELECTION, OCTOBER 26, 1915.

## DIRECT PRIMARY LAW.

(Proposition No. 1)

Submitted to electors by referendum. Defines political parties; declares that office of United States senator, representative in congress, congressional party committeeman, delegate to national party convention and presidential elector shall be partisan, and all other offices non-partisan; regulates primary elections, nomination of candidates, form of ballot and voting at such elections, canvassing returns thereof, contests and fees; defines lawful campaign expenses and requires statement thereof; provides for election and organization of congressional party committees by political parties; provides penalties for violation of act, and repeals primary law of 1913.

District—	Total Vote	Yes	No
Twenty-first .....	2,690	3,313	1,295
Twenty-second .....	1,654	700	900
Twenty-third .....	2,820	1,324	1,380
Twenty-fourth .....	3,130	1,496	1,502
Twenty-fifth .....	3,832	1,621	2,082
Twenty-sixth .....	5,544	2,234	4,143
Twenty-seventh .....	4,348	1,952	2,282
Twenty-eighth .....	4,977	1,962	2,888
Twenty-ninth .....	3,710	1,559	2,008
Thirtieth .....	4,145	1,719	2,288
Thirty-first .....	5,053	1,628	3,323
Thirty-second .....	4,398	1,717	2,567
Thirty-third .....	2,583	888	1,593
Total .....	48,884	20,113	27,251

## FORM OF BALLOT LAW.

(Proposition No. 2)

Submitted to electors by referendum. Provides for size, form and manner of printing ballots to be used at general elections, including gubernatorial and presidential elections, for the determination of the order in which state, district and county offices shall appear thereon, for the preparation of ballot titles for measures submitted to the electors, and for the manner in which such titles, offices and names of candidates therefor, and instructions to voters shall be printed upon such ballots.

District—	Yes	No
Twenty-first .....	1,236	1,260
Twenty-second .....	667	858
Twenty-third .....	1,234	1,347
Twenty-fourth .....	1,385	1,534
Twenty-fifth .....	1,494	2,057
Twenty-sixth .....	2,071	3,155
Twenty-seventh .....	1,826	2,274
Twenty-eighth .....	1,865	2,851
Twenty-ninth .....	1,467	1,981
Thirtieth .....	1,617	2,265
Thirty-first .....	1,538	3,261
Thirty-second .....	1,631	2,527
Thirty-third .....	836	1,553
Total .....	18,867	26,923

## STATEMENT OF VOTES CAST, SPECIAL ELECTION, OCTOBER 26, 1915.

## TERM OF SUPERIOR JUDGES.

(Proposition No. 3)

Senate Constitutional Amendment 2 adding section 6½ to article VI of constitution making term of office of superior judges twelve years except judges elected to fill unexpired terms. Declares them subject to recall, impeachment and removal provisions relating to judges.

District—	Yes	No
Twenty-first .....	634	1,830
Twenty-second .....	291	1,233
Twenty-third .....	555	2,072
Twenty-fourth .....	585	2,343
Twenty-fifth .....	685	2,922
Twenty-sixth .....	1,067	4,205
Twenty-seventh .....	1,043	3,115
Twenty-eighth .....	1,030	3,657
Twenty-ninth .....	702	2,744
Thirtieth .....	914	2,966
Thirty-first .....	1,380	3,457
Thirty-second .....	1,073	3,113
Thirty-third .....	554	1,854
Total .....	10,563	35,511

## TERM OF JUDGES FILLING VACANCIES.

(Proposition No. 4)

State Constitutional Amendment 11 adding section 10½ to article VI of constitution providing that when term of office of judge of supreme court, district court of appeal or superior court expires on first Monday in January following general election person appointed by governor to fill vacancy therein shall hold for remainder of unexpired term for which such judge was elected or appointed.

District—	Yes	No
Twenty-first .....	1,113	1,239
Twenty-second .....	593	877
Twenty-third .....	1,068	1,455
Twenty-fourth .....	1,263	1,576
Twenty-fifth .....	1,530	1,930
Twenty-sixth .....	2,404	2,709
Twenty-seventh .....	2,097	1,908
Twenty-eighth .....	2,279	2,344
Twenty-ninth .....	1,499	1,858
Thirtieth .....	1,836	1,938
Thirty-first .....	2,627	2,149
Thirty-second .....	2,260	1,831
Thirty-third .....	993	1,329
Total .....	21,562	23,143



## STATEMENT OF VOTES CAST, SPECIAL ELECTION, OCTOBER 26, 1915.

## RURAL CREDITS.

(Proposition No. 5)

Senate Constitutional Amendment 17 amending section 31 of article IV of constitution. Present section unchanged but clause added authorizing legislature to provide land colonization system, establishing rural credits system in aid of agriculture, authorize issuance of bonds secured by first mortgages on farms, declaring same exempt from taxation and acceptable as security for public deposits, provide for state participation in rural credits system by establishing trust fund, authorize trustees thereof to issue bonds, guaranteed by state, upon security thereof, and deal generally in rural credit bonds. Authorizes legislature to effect purpose of section notwithstanding contrary constitutional provisions.

District—	Yes	No
Twenty-first .....	1,117	1,220
Twenty-second .....	558	897
Twenty-third .....	1,267	1,291
Twenty-fourth .....	1,336	1,502
Twenty-fifth .....	1,376	2,090
Twenty-sixth .....	1,945	3,154
Twenty-seventh .....	1,695	2,312
Twenty-eighth .....	1,727	2,915
Twenty-ninth .....	1,417	1,936
Thirtieth .....	1,629	2,143
Thirty-first .....	1,473	3,303
Thirty-second .....	1,622	2,439
Thirty-third .....	774	1,561
Total .....	17,936	26,763

## DEPOSIT OF PUBLIC MONEYS.

(Proposition No. 6)

Senate Constitutional Amendment 19 amending section 16½ of article XI of constitution. Provides that state, county or municipal moneys may be deposited in bank under such conditions as may be provided by law adopted by initiative or by two-thirds vote of each house of legislature approved by governor and subject to referendum; continues in force laws now governing deposit of such moneys until same are changed as in this section authorized.

District—	Yes	No
Twenty-first .....	954	1,350
Twenty-second .....	475	944
Twenty-third .....	965	1,499
Twenty-fourth .....	1,044	1,715
Twenty-fifth .....	1,099	2,295
Twenty-sixth .....	1,610	3,414
Twenty-seventh .....	1,392	2,539
Twenty-eighth .....	1,391	3,146
Twenty-ninth .....	1,162	2,124
Thirtieth .....	1,344	2,350
Thirty-first .....	1,238	3,453
Thirty-second .....	1,348	2,630
Thirty-third .....	682	1,642
Total .....	14,704	29,101

## STATEMENT OF VOTES CAST, SPECIAL ELECTION, OCTOBER 26, 1915.

## INITIATIVE AND REFERENDUM.

## (Proposition No. 7)

Senate Constitutional Amendment 22 amending section 1 of article IV of constitution. Present section unchanged except in following particulars; provides that no law creating a bonded indebtedness shall be enacted by initiative by electors without assent of two-thirds of qualified electors voting thereon; authorizes legislature to protect initiative and referendum petitions from fraud and misrepresentation.

District—	Yes	No
Twenty-first .....	1,036	1,269
Twenty-second .....	502	965
Twenty-third .....	984	1,493
Twenty-fourth .....	1,162	1,610
Twenty-fifth .....	1,377	2,021
Twenty-sixth .....	2,337	2,724
Twenty-seventh .....	2,038	1,934
Twenty-eighth .....	2,116	2,448
Twenty-ninth .....	1,402	1,902
Thirtieth .....	1,751	1,953
Thirty-first .....	2,489	2,240
Thirty-second .....	2,180	1,843
Thirty-third .....	928	1,403
Total .....	20,302	23,805

## CONDEMNATION FOR PUBLIC PURPOSES.

## (Proposition No. 8)

Senate Constitutional Amendment 27 adding section 20 to article XI of constitution. Authorizes state, county or municipality to condemn neighboring property within its limits additional to that actually intended for proposed improvement; declares same taken for public use; defines estate therein and manner of dealing therewith to further such improvement; permits county or municipality to condemn lands within ten miles beyond its boundaries for certain public purposes, with consent of other county or municipality as such lands lie therein; requires terms of condemnation, lease or disposal of such additional property to be prescribed by law.

District—	Yes	No
Twenty-first .....	993	1,324
Twenty-second .....	533	930
Twenty-third .....	1,070	1,428
Twenty-fourth .....	1,145	1,664
Twenty-fifth .....	1,218	2,221
Twenty-sixth .....	1,772	3,286
Twenty-seventh .....	1,514	2,456
Twenty-eighth .....	1,617	2,969
Twenty-ninth .....	1,210	2,107
Thirtieth .....	1,423	2,279
Thirty-first .....	1,333	3,417
Thirty-second .....	1,561	2,468
Thirty-third .....	695	1,618
Total .....	16,084	28,167

## STATEMENT OF VOTES CAST, SPECIAL ELECTION, OCTOBER 26, 1915.

## TAXATION.

(Proposition No. 9)

Senate Amendment 38. Amends constitution article XIII, sections 1 and 9, repeals sections 10 and 14 thereof. Declares legislature shall provide by general law for taxation, classify subjects thereof, designate classes wholly or partly taxable for state, county, municipal and district revenues, same class being uniformly taxed within territory of taxing authority; may make tax in lieu of other taxes or licenses; tax commission to administer state taxation. Defines exemptions. Declares completed assessments not affected by section. Continues in office present board of equalization members until January, 1919, and present duties thereof, and existing laws, until changed.

District—	Yes	No
Twenty-first .....	853	1,717
Twenty-second .....	300	1,174
Twenty-third .....	536	1,984
Twenty-fourth .....	535	2,264
Twenty-fifth .....	572	2,857
Twenty-sixth .....	711	4,349
Twenty-seventh .....	542	3,410
Twenty-eighth .....	544	4,035
Twenty-ninth .....	620	2,681
Thirtieth .....	633	3,059
Thirty-first .....	462	4,277
Thirty-second .....	592	3,402
Thirty-third .....	382	1,940
Total .....	7,012	37,149

## EXEMPTING PROPERTY FROM TAXATION.

(Proposition No. 10)

Assembly Constitutional Amendment 15 amending section 1½ of article XIII of constitution. In addition to exemption of church property under present section, exempts from taxation all buildings and so much real property on which same are situated as may be required for convenient use and occupation of said buildings when same are used solely and exclusively for social purposes for the benefit of the organized religious body using said property for such purposes; provides that exemption shall not extend to building so used rented for religious purposes and rent received by owner therefor.

District—	Yes	No
Twenty-first .....	809	1,594
Twenty-second .....	395	1,122
Twenty-third .....	821	1,814
Twenty-fourth .....	861	2,034
Twenty-fifth .....	925	2,629
Twenty-sixth .....	1,291	3,898
Twenty-seventh .....	987	3,095
Twenty-eighth .....	958	3,743
Twenty-ninth .....	913	2,512
Thirtieth .....	936	2,871
Thirty-first .....	940	3,862
Thirty-second .....	976	3,116
Thirty-third .....	504	1,869
Total .....	34,159	14,126

## STATEMENT OF VOTES CAST, SPECIAL ELECTION, OCTOBER 26, 1915.

## COUNTY CHARTERS.

(Proposition No. 11)

Assembly Constitutional Amendment 34 amending section 7½ of article XI of constitution. Present section unchanged except as follows: such charters may provide for election, appointment and tenure of all county officers, number of justices, constables and officers of inferior courts, qualifications of all such officers, if appointed, assignment to new officers of certain functions of certain officers, delegation of executive committee of supervisors of certain administrative functions, and creation of additional boards and offices. Determines tenure of elective officers in office on approval of charter. Validates charters and amendments adopted under present section.

District—	Yes	No
Twenty-first .....	835	1,410
Twenty-second .....	435	997
Twenty-third .....	922	1,501
Twenty-fourth .....	975	1,747
Twenty-fifth .....	1,099	2,241
Twenty-sixth .....	1,539	3,314
Twenty-seventh .....	1,349	2,460
Twenty-eighth .....	1,362	3,047
Twenty-ninth .....	1,007	2,190
Thirtieth .....	1,239	2,340
Thirty-first .....	1,352	3,246
Thirty-second .....	1,366	2,472
Thirty-third .....	646	1,624
Total .....	14,126	28,589

## DEPARTMENT OF ELECTIONS

307

STATEMENT OF VOTES POLLED AT THE GENERAL MUNICIPAL ELECTION HELD IN THE CITY AND COUNTY OF SAN FRANCISCO, NOVEMBER 9, 1915.

## POLICE JUDGE.

Assembly District	Total Vote	Edwin G. Bath	Tim. I. Fitzpatrick
Twenty-first .....	4,589	1,778	2,591
Twenty-second .....	3,660	1,404	2,136
Twenty-third .....	5,347	2,549	2,603
Twenty-fourth .....	6,256	2,748	3,308
Twenty-fifth .....	7,413	3,047	4,096
Twenty-sixth .....	9,551	4,205	5,027
Twenty-seventh .....	7,152	3,464	3,449
Twenty-eighth .....	8,027	3,598	4,108
Twenty-ninth .....	6,609	2,965	3,423
Thirtieth .....	6,750	3,178	3,340
Thirty-first .....	7,108	2,856	3,862
Thirty-second .....	6,759	2,604	3,847
Thirty-third .....	4,076	1,317	2,577
Total .....	83,297	35,713	44,367

## ASSESSOR.

Assembly District	John Ginty	Wm. H. McCarthy
Twenty-first .....	3,499	713
Twenty-second .....	2,622	723
Twenty-third .....	4,067	896
Twenty-fourth .....	4,774	1,039
Twenty-fifth .....	5,521	1,344
Twenty-sixth .....	7,589	1,367
Twenty-seventh .....	5,860	865
Twenty-eighth .....	6,640	950
Twenty-ninth .....	5,070	1,047
Thirtieth .....	5,341	925
Thirty-first .....	6,060	694
Thirty-second .....	5,582	847
Thirty-third .....	2,919	870
Totals .....	65,544	12,280

## DEPARTMENT OF ELECTIONS

STATEMENT OF VOTES POLLED AT THE GENERAL MUNICIPAL ELECTION HELD IN THE CITY AND COUNTY OF  
 SAN FRANCISCO, NOVEMBER 9, 1915.  
 SUPERVISORS.

Assembly District	F. J. Brandon	Wm. R. Hagerly	F. L. Hansen	J. Emmet Hayden	J. L. Herget	O. Hooks	J. D. Hynes	M. S. Kohberg	John C. Kortick
Twenty-first .....	2,647	2,427	1,639	1,504	2,589	1,562	2,149	932	2,275
Twenty-second .....	1,567	1,500	1,163	956	1,564	1,019	1,626	569	1,373
Twenty-third .....	2,898	2,513	1,728	1,524	3,043	1,676	2,916	1,017	2,714
Twenty-fourth .....	3,495	2,546	1,979	1,983	2,949	2,073	3,643	1,391	3,156
Twenty-fifth .....	3,847	2,634	2,312	2,499	3,193	2,652	3,557	1,665	4,008
Twenty-sixth .....	5,317	2,831	3,803	4,211	3,619	3,880	4,571	2,802	4,662
Twenty-seventh .....	4,200	1,589	3,319	4,006	1,987	3,470	2,909	2,593	3,463
Twenty-eighth .....	4,746	1,708	3,743	4,587	2,221	4,032	2,883	3,257	3,805
Twenty-ninth .....	3,701	2,657	2,455	2,318	3,125	2,490	3,496	1,523	3,257
Thirtieth .....	3,867	1,956	3,025	3,233	2,380	3,086	2,705	2,441	3,067
Thirty-first .....	4,006	1,016	4,337	4,599	1,670	4,182	1,882	3,881	2,652
Thirty-second .....	3,837	1,235	3,504	4,076	2,031	3,840	2,213	3,185	3,026
Thirty-third .....	2,038	1,366	1,593	1,815	1,960	1,852	1,668	1,245	1,866
Totals .....	46,166	25,978	34,610	37,361	13,233	35,814	36,218	26,501	39,324

DEPARTMENT OF ELECTIONS

309

STATEMENT OF VOTES POLLED AT THE GENERAL MUNICIPAL ELECTION HELD IN THE CITY AND COUNTY OF  
SAN FRANCISCO, NOVEMBER 9, 1915.  
SUPERVISORS.

Assembly District	J. F. Lahaney	Jas. B. McSheehy	Joseph Mulvihill	Chas. A. Murdock	H. Payot	Alex. T. Vogelsang	Jas. S. Webster	R. J. Welch	E. I. Wolfe
Twenty-first .....	2,789	2,670	2,808	1,032	962	1,143	1,259	2,885	3,061
Twenty-second .....	2,947	1,833	2,182	582	540	676	758	2,355	1,958
Twenty-third .....	3,407	3,250	3,607	1,098	982	1,149	1,331	3,498	3,474
Twenty-fourth .....	3,490	3,909	3,993	1,567	1,552	1,706	1,786	3,700	3,674
Twenty-fifth .....	4,159	4,090	4,468	1,896	2,001	2,117	2,160	4,400	3,968
Twenty-sixth .....	4,388	4,263	5,084	3,398	3,530	3,832	3,654	4,350	5,123
Twenty-seventh .....	2,300	2,271	3,038	3,539	3,607	3,829	3,523	2,721	3,324
Twenty-eighth .....	3,723	2,263	3,218	3,712	3,936	4,333	4,041	2,933	3,989
Twenty-ninth .....	3,412	3,140	3,398	1,634	1,616	1,917	1,965	3,713	4,144
Thirtieth .....	2,559	2,318	3,045	2,426	2,612	2,889	2,615	2,722	4,054
Thirty-first .....	1,573	1,414	2,012	4,121	4,297	4,390	4,016	1,749	3,094
Thirty-second .....	1,879	1,497	2,440	3,546	3,738	3,914	3,364	2,012	2,870
Thirty-third .....	1,959	1,474	2,224	1,445	1,522	1,604	1,404	2,032	2,377
Totals .....	37,585	34,392	42,017	29,996	30,895	33,499	31,876	39,070	45,110

## DEPARTMENT OF ELECTIONS

VOTES POLLED FOR DELEGATES TO THE REPUBLICAN NATIONAL CONVENTION AT ELECTION HELD IN THE CITY  
AND COUNTY OF SAN FRANCISCO, STATE OF CALIFORNIA, MAY 2, 1916.

Assembly District	Total of all Parties	Total		Alden Anderson	Harriet W. R. Strong	Paul J. McCormick	J. A. Britton	T. J. Lennon	Guy C. Bart
		Republican	Democrat						
Twenty-first .....	2,805	1,806	888	913	809	875	898	869	840
Twenty-second .....	1,523	1,050	522	529	483	515	529	521	467
Twenty-third .....	2,400	1,557	765	777	759	757	781	756	736
Twenty-fourth .....	2,861	1,843	908	946	861	902	942	885	861
Twenty-fifth .....	3,675	2,542	1,107	1,177	1,053	1,076	1,172	1,080	1,057
Twenty-sixth .....	5,082	3,612	1,536	1,596	1,450	1,496	1,614	1,526	1,456
Twenty-seventh .....	4,266	2,957	1,161	1,257	1,116	1,132	1,291	1,171	1,146
Twenty-eighth .....	4,322	3,623	1,388	1,480	1,322	1,331	1,489	1,365	1,318
Twenty-ninth .....	3,546	2,397	1,020	1,050	956	1,010	1,069	1,023	949
Thirtieth .....	4,242	3,020	1,195	1,237	1,106	1,144	1,233	1,196	1,149
Thirty-first .....	4,852	3,717	1,160	1,277	1,099	1,103	1,296	1,141	1,137
Thirty-second .....	5,333	3,907	1,418	1,510	1,342	1,377	1,552	1,409	1,380
Thirty-third .....	2,743	2,162	891	897	809	832	919	842	820
Total .....	48,150	34,193	13,959	14,646	13,165	13,550	14,785	13,784	13,316



DEPARTMENT OF ELECTIONS

VOTES POLLED FOR DELEGATES TO THE REPUBLICAN NATIONAL CONVENTION AT ELECTION HELD IN THE CITY AND COUNTY OF SAN FRANCISCO, STATE OF CALIFORNIA, MAY 2, 1916.

Assembly District	Moses A. Gunst	G. W. Peltier	Marguerite Ogen	Raymond Benjamin	H. L. Moody	Jas. Madison	T. L. Chamberlain	F. E. Ellis	Jas. E. Power	Egbert J. Gates	L. J. Flaherty
Twenty-first	897	824	808	857	852	879	851	845	911	835	874
Twenty-second	527	473	465	500	473	506	494	492	542	477	527
Twenty-third	791	699	702	739	729	752	733	720	812	715	777
Twenty-fourth	967	831	813	894	878	915	870	878	930	841	896
Twenty-fifth	1,177	1,038	1,012	1,090	1,062	1,100	1,090	1,070	1,128	1,040	1,086
Twenty-sixth	1,628	1,424	1,373	1,496	1,483	1,534	1,515	1,481	1,543	1,460	1,452
Twenty-seventh	1,278	1,111	1,113	1,187	1,142	1,190	1,188	1,147	1,168	1,133	1,086
Twenty-eighth	1,525	1,294	1,251	1,394	1,316	1,368	1,358	1,348	1,371	1,310	1,228
Twenty-ninth	1,062	960	916	1,006	972	1,020	998	991	1,054	966	1,010
Thirtieth	1,286	1,099	1,041	1,181	1,125	1,169	1,142	1,140	1,153	1,111	1,074
Thirty-first	1,318	1,099	1,068	1,186	1,106	1,173	1,136	1,122	1,145	1,096	1,018
Thirty-second	1,546	1,347	1,325	1,425	1,347	1,402	1,385	1,384	1,393	1,363	1,299
Thirty-third	886	802	737	852	804	842	810	822	842	799	794
Totals	14,888	13,001	12,624	13,805	13,303	13,850	13,570	13,440	13,992	13,146	13,121

## DEPARTMENT OF ELECTIONS

VOTES POLLED FOR DELEGATES TO THE REPUBLICAN NATIONAL CONVENTION AT ELECTION HELD IN THE CITY AND COUNTY OF SAN FRANCISCO, STATE OF CALIFORNIA, MAY 2, 1916.

Assembly District	Miguel Estudillo	T. S. Montgomery	Patrick M. Longan	Rudolph J. Tausig	Thos. Hughes	Knox Boudé	Joe S. Crail	D. C. Collier	Walter Bordwell	Mrs. Olive C. Cole	Mrs. Abbie E. Krebs
Twenty-first .....	767	875	806	861	834	742	758	781	918	812	814
Twenty-second .....	435	484	468	512	488	432	448	458	528	476	456
Twenty-third .....	651	727	692	744	717	639	666	681	792	695	680
Twenty-fourth .....	741	856	810	918	830	777	763	826	935	849	826
Twenty-fifth .....	940	1,062	987	1,135	1,044	946	929	1,012	1,435	1,293	1,289
Twenty-sixth .....	1,318	1,491	1,351	1,577	1,435	1,302	1,318	1,385	2,076	1,872	1,880
Twenty-seventh .....	1,030	1,150	1,048	1,254	1,151	1,029	1,023	1,095	1,796	1,625	1,645
Twenty-eighth .....	1,194	1,340	1,199	1,437	1,272	1,183	1,168	1,280	2,235	2,019	2,053
Twenty-ninth .....	891	991	944	1,064	991	880	880	931	1,377	1,197	1,183
Thirtieth .....	975	1,131	1,011	1,199	1,089	982	979	1,055	1,825	1,614	1,627
Thirty-first .....	988	1,109	980	1,301	1,047	963	956	1,048	2,557	2,359	2,397
Thirty-second .....	1,218	1,401	1,241	1,494	1,363	1,208	1,187	1,303	2,489	2,272	2,283
Thirty-third .....	780	816	760	877	791	730	733	768	1,271	1,081	1,084
Totals .....	11,928	13,433	12,297	14,373	13,052	11,789	11,808	12,623	20,234	18,164	18,217

DEPARTMENT OF ELECTIONS

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VOTES POLLED FOR DELEGATES TO THE REPUBLICAN NATIONAL CONVENTION AT ELECTION HELD IN THE CITY AND COUNTY OF SAN FRANCISCO, STATE OF CALIFORNIA, MAY 2, 1916.

Assembly District	J. O. Hayes	Amiel Hochheimer	Presley I. Lancaster	Luke McDonald	Chas. E. Clinch	Ephraim Light	Richard R. Veale	Albert F. Gastle	Francis V. Keesling	J. C. Berendsen	Alex. Russell
Twenty-first	912	832	851	913	851	837	841	897	909	827	903
Twenty-second	550	482	490	528	495	459	482	486	539	464	508
Twenty-third	783	719	706	749	708	693	737	743	781	715	758
Twenty-fourth	958	871	885	916	863	862	899	910	970	872	910
Twenty-fifth	1,440	1,324	1,370	1,391	1,333	1,309	1,374	1,398	1,490	1,321	1,393
Twenty-sixth	2,086	1,969	1,972	2,008	1,954	1,915	2,002	1,998	2,140	1,955	2,030
Twenty-seventh	1,781	1,682	1,736	1,753	1,682	1,688	1,749	1,779	1,868	1,695	1,818
Twenty-eighth	2,231	2,119	2,118	2,161	2,098	2,084	2,135	2,217	2,342	2,093	2,204
Twenty-ninth	1,375	1,241	1,291	1,321	1,286	1,263	1,294	1,308	1,408	1,264	1,329
Thirtieth	1,799	1,722	1,728	1,756	1,705	1,701	1,722	1,793	1,847	1,699	1,796
Thirty-first	2,568	2,534	2,535	2,525	2,521	2,491	2,538	2,656	2,686	2,491	2,609
Thirty-second	2,469	2,370	2,413	2,399	2,363	2,330	2,415	2,502	2,604	2,323	2,504
Thirty-third	1,259	1,175	1,203	1,205	1,178	1,165	1,209	1,272	1,271	1,168	1,241
Totals	20,181	19,040	19,298	19,625	19,037	18,797	19,397	19,959	20,855	18,887	20,003

## DEPARTMENT OF ELECTIONS

VOTES POLLED FOR DELEGATES TO THE REPUBLICAN NATIONAL CONVENTION AT ELECTION HELD IN THE CITY AND COUNTY OF SAN FRANCISCO, STATE OF CALIFORNIA, MAY 2, 1916.

Assembly District	Peter J. Crosby	Joseph F. Carlston	Frank A. Cresssey, Jr.	John Frank Gibson	Wm. H. Crocker	Willis S. Clayton	Lewis L. Lostutter	Wm. C. Musher	John G. Mott	Eugene W. Britt	John S. Akerman	Chas. C. Chapman
Twenty-first	857	863	826	862	915	848	806	791	836	870	859	882
Twenty-second	499	478	477	477	536	468	452	449	479	485	482	514
Twenty-third	727	688	713	697	795	701	692	656	710	739	732	764
Twenty-fourth	854	863	846	880	980	854	831	808	824	879	910	927
Twenty-fifth	1,320	1,339	1,312	1,348	1,453	1,335	1,270	1,278	1,310	1,358	1,360	1,426
Twenty-sixth	1,933	1,947	1,951	1,964	2,191	1,962	1,908	1,911	1,948	1,998	2,014	2,031
Twenty-seventh	1,682	1,693	1,712	1,706	1,907	1,724	1,629	1,635	1,698	1,710	1,745	1,780
Twenty-eighth	2,092	2,107	2,103	2,124	2,369	2,114	2,040	2,028	2,123	2,129	2,177	2,229
Twenty-ninth	1,286	1,267	1,272	1,281	1,397	1,283	1,223	1,225	1,254	1,298	1,309	1,355
Thirtieth	1,701	1,699	1,715	1,711	1,901	1,705	1,649	1,651	1,693	1,721	1,737	1,808
Thirty-first	2,469	2,488	2,526	2,513	2,775	2,521	2,454	2,448	2,509	2,540	2,562	2,587
Thirty-second	2,376	2,376	2,433	2,394	2,682	2,398	2,307	2,296	2,394	2,401	2,440	2,480
Thirty-third	1,188	1,187	1,184	1,189	1,294	1,179	1,147	1,146	1,191	1,201	1,168	1,239
Totals	18,984	18,995	19,070	19,146	21,195	19,092	18,408	18,322	18,969	19,329	19,495	20,022

DEPARTMENT OF ELECTIONS

VOTES POLLED FOR DELEGATES TO THE DEMOCRATIC NATIONAL CONVENTION AT ELECTION HELD IN THE CITY AND COUNTY OF SAN FRANCISCO, STATE OF CALIFORNIA, MAY 2, 1916.

Assembly District	Total Democratic	Jas. D. Phelan	John E. Raker	Denver S. Church	Wm. Kettner	Claude F. Purkitt	Wm. Maddux	Jno. B. Curtin	Chas. L. Culbert
Twenty-first	742	735	725	720	722	720	717	723	719
Twenty-second	346	346	334	331	331	329	329	336	328
Twenty-third	628	614	605	606	609	601	600	604	593
Twenty-fourth	768	758	746	744	745	744	743	750	742
Twenty-fifth	860	842	829	829	831	821	821	817	816
Twenty-sixth	1,191	1,175	1,160	1,156	1,159	1,150	1,151	1,160	1,148
Twenty-seventh	970	957	951	944	945	943	946	943	935
Twenty-eighth	911	899	892	889	889	889	888	885	882
Twenty-ninth	919	915	897	890	892	884	891	899	889
Thirtieth	944	932	929	927	927	920	916	928	917
Thirty-first	816	798	801	799	800	795	800	793	792
Thirty-second	1,110	1,089	1,087	1,087	1,086	1,083	1,090	1,081	1,073
Thirty-third	411	405	404	401	401	401	401	400	399
Totals	10,616	10,465	10,362	10,325	10,337	10,280	10,293	10,319	10,233

## DEPARTMENT OF ELECTIONS

VOTES POLLED FOR DELEGATES TO THE DEMOCRATIC NATIONAL CONVENTION AT ELECTION HELD IN THE CITY  
AND COUNTY OF SAN FRANCISCO, STATE OF CALIFORNIA, MAY 2, 1916.

Assembly District	Geo. E. Catts	George Vice	Emmanuel S. Heller	Frank J. Hennessy	Thos. W. Hickey	Nora P. Rasmussen	Robert M. Fitzgerald	Wm. B. Bunker	O. L. Everts
Twenty-first	718	716	720	718	721	710	721	719	715
Twenty-second	332	327	332	334	329	322	332	331	324
Twenty-third	603	593	608	597	600	599	600	601	598
Twenty-fourth	745	744	744	751	742	732	747	736	735
Twenty-fifth	819	821	822	824	820	814	830	822	815
Twenty-sixth	1,149	1,145	1,151	1,154	1,157	1,134	1,158	1,148	1,145
Twenty-seventh	943	944	947	945	942	925	944	936	938
Twenty-eighth	886	886	884	888	875	870	885	887	882
Twenty-ninth	888	886	890	892	891	874	896	885	885
Thirtieth	923	920	924	924	918	896	920	921	917
Thirty-first	794	799	795	786	792	783	790	796	795
Thirty-second	1,081	1,077	1,084	1,075	1,075	1,078	1,070	1,084	1,081
Thirty-third	399	397	400	400	398	394	401	399	399
Totals	10,380	10,355	10,301	10,288	10,260	10,131	10,294	10,265	10,229

DEPARTMENT OF ELECTIONS

VOTES POLLED FOR DELEGATES TO THE DEMOCRATIC NATIONAL CONVENTION AT ELECTION HELD IN THE CITY AND COUNTY OF SAN FRANCISCO, STATE OF CALIFORNIA, MAY 2, 1916.

Assembly District	Thomas J. Wisecarver	Wm. T. Jeter	Franklin Swart	Mary E. Foy	Dr. S. Y. Van Meter	Mrs. W. C. Tyler	Dr. R. W. Hill	Mrs. Bird D. Hobdy	Wm. J. Curtis
Twenty-first	716	716	719	711	719	710	719	710	723
Twenty-second	328	326	328	323	326	320	330	318	328
Twenty-third	596	597	598	598	600	592	604	590	610
Twenty-fourth	739	740	739	733	738	732	743	728	746
Twenty-fifth	819	820	825	818	823	817	823	810	831
Twenty-sixth	1,138	1,147	1,143	1,131	1,147	1,127	1,154	1,126	1,157
Twenty-seventh	938	940	939	924	934	923	934	921	946
Twenty-eighth	884	884	882	872	881	870	885	866	887
Twenty-ninth	883	882	885	882	882	874	884	873	890
Thirtieth	920	918	914	897	916	900	922	889	917
Thirty-first	792	794	794	781	790	784	793	781	795
Thirty-second	1,081	1,086	1,085	1,076	1,085	1,070	1,085	1,070	1,092
Thirty-third	395	395	399	391	395	388	401	389	400
Totals	10,229	10,245	10,250	10,137	10,236	10,107	10,277	10,071	10,322

## DEPARTMENT OF ELECTIONS

VOTES POLLED FOR DELEGATES TO THE PROGRESSIVE NATIONAL CONVENTION AT ELECTION HELD IN THE CITY  
AND COUNTY OF SAN FRANCISCO, STATE OF CALIFORNIA, MAY 2, 1916.

Assembly District	Total Progressive	Ralph W. Bull	Thomas P. Boyd	George A. Legg	S. G. Beach	Clinton L. White	W. H. Briggs	Rose Steinhart	Percy V. Long	Alfred Grenebaum	Thos. W. Nowlin
Twenty-first	118	114	110	111	111	113	106	108	108	108	111
Twenty-second	61	57	59	55	55	56	55	56	58	55	57
Twenty-third	120	109	106	104	106	107	107	108	110	104	107
Twenty-fourth	144	134	129	131	134	137	132	133	134	135	132
Twenty-fifth	145	138	135	133	132	133	133	134	140	130	135
Twenty-sixth	168	162	158	159	159	159	159	156	158	157	157
Twenty-seventh	182	170	167	168	170	172	166	164	178	166	167
Twenty-eighth	166	159	147	154	156	157	156	146	154	149	151
Twenty-ninth	136	130	129	127	126	128	127	123	127	121	124
Thirtieth	178	169	164	164	162	168	162	165	166	160	162
Thirty-first	134	133	130	129	128	129	128	124	133	132	128
Thirty-second	171	154	156	154	149	156	152	148	164	156	155
Thirty-third	77	73	70	73	72	73	72	70	71	71	71
Totals	1,800	1,702	1,660	1,662	1,660	1,688	1,655	1,635	1,701	1,644	1,657



DEPARTMENT OF ELECTIONS

VOTES POLLED FOR DELEGATES TO THE PROGRESSIVE NATIONAL CONVENTION AT ELECTION HELD IN THE CITY AND COUNTY OF SAN FRANCISCO, STATE OF CALIFORNIA, MAY 2, 1916.

Assembly District	Eustace Gullman	Arthur Arlett	John W. Stetson	T. C. Hocking	Charles A. Whitmore	W. F. Chandler	A. J. Crites	Lillian J. Martin	George W. Stone	J. H. Braly
Twenty-first	107	107	111	111	110	109	109	110	111	108
Twenty-second	53	53	55	53	53	55	52	55	53	54
Twenty-third	104	104	104	103	105	103	107	105	103	104
Twenty-fourth	129	134	133	136	135	135	134	133	133	131
Twenty-fifth	131	132	134	137	133	134	133	136	133	132
Twenty-sixth	158	158	163	160	159	159	157	158	159	157
Twenty-seventh	163	170	167	165	166	165	163	166	165	164
Twenty-eighth	144	156	156	153	157	158	153	149	156	152
Twenty-ninth	127	124	130	123	128	126	124	125	126	123
Thirtieth	160	163	170	160	163	167	158	166	167	164
Thirty-first	122	129	128	125	127	132	129	122	130	127
Thirty-second	155	153	157	152	156	152	149	153	150	152
Thirty-third	70	72	72	70	71	71	71	71	72	72
Totals	1,623	1,655	1,680	1,648	1,663	1,666	1,639	1,649	1,658	1,640

## DEPARTMENT OF ELECTIONS

VOTES POLLED FOR DELEGATES TO THE PROGRESSIVE NATIONAL CONVENTION AT ELECTION HELD IN THE CITY AND COUNTY OF SAN FRANCISCO, STATE OF CALIFORNIA, MAY 2, 1916.

Assembly District	B. F. Tucker	Geo. D. Jennings	C. W. Rhodes	Mary A. Scherree	Dell A. Schweitzer	Lou M. Myers	R. A. Collins	F. F. Grant	S. J. Jackman	Thos. A. Ogden
Twenty-first	107	107	105	98	100	107	99	105	100	100
Twenty-second	52	52	51	51	51	50	46	48	44	46
Twenty-third	105	106	99	99	100	96	95	97	93	94
Twenty-fourth	130	130	131	127	130	132	118	126	124	123
Twenty-fifth	133	134	134	128	130	129	129	124	121	123
Twenty-sixth	160	159	154	149	153	153	150	156	152	153
Twenty-seventh	162	166	158	151	152	152	139	141	137	141
Twenty-eighth	154	154	153	143	143	146	141	150	148	151
Twenty-ninth	124	127	127	118	119	119	121	121	120	120
Thirtieth	160	160	156	156	160	158	151	154	152	154
Thirty-first	130	130	130	122	122	120	117	120	121	120
Thirty-second	150	149	146	142	147	146	138	142	136	141
Thirty-third	70	72	70	68	68	68	67	69	69	69
Totals	1,637	1,646	1,614	1,552	1,575	1,576	1,511	1,553	1,517	1,535

STATEMENT OF REGISTRATIO:: AND VOTE ON ELECTION HELD SEPTEMBER 28, 1915.  
(Male and Female)

Assembly District	Total Registration	Total Males Registered	Total Females Registered	Total Males Voted	Total Females Voted	Total Males and Females Voted
Twenty-first	12,287	10,029	2,258	5,447	1,265	6,712
Twenty-second	6,555	4,453	2,102	3,425	1,453	4,878
Twenty-third	10,603	7,011	3,592	5,429	2,503	7,932
Twenty-fourth	12,272	7,744	4,528	6,012	3,106	9,118
Twenty-fifth	14,449	9,059	5,390	6,543	3,690	10,233
Twenty-sixth	19,151	11,362	7,789	8,195	5,170	13,365
Twenty-seventh	14,263	8,224	6,039	6,124	3,927	10,051
Twenty-eighth	15,097	8,709	6,388	6,628	4,358	10,986
Twenty-ninth	15,029	9,748	5,281	6,536	3,174	9,710
Thirtieth	16,332	10,413	5,919	6,521	3,373	9,894
Thirty-first	14,046	7,686	6,360	5,576	4,028	9,604
Thirty-second	18,377	10,519	7,858	6,296	4,005	10,301
Thirty-third	11,131	8,065	3,066	4,912	1,409	6,321
Totals	179,592	113,022	66,570	77,644	41,461	119,105

## DEPARTMENT OF ELECTIONS

## STATEMENT OF REGISTRATION AND VOTE ON ELECTION HELD OCTOBER 26, 1915.

(Male and Female)

Assembly District—	Total Registration	Total Male Registration	Total Female Registration	Total Males Voted	Total Females Voted	Total Male and Females Voted
Twenty-first .....	12,294	10,031	2,263	2,330	360	2,690
Twenty-second .....	6,557	4,451	2,106	1,339	315	1,654
Twenty-third .....	10,620	7,025	3,595	2,227	593	2,820
Twenty-fourth .....	12,279	7,750	4,529	2,390	740	3,130
Twenty-fifth .....	14,451	9,049	5,402	2,874	958	3,832
Twenty-sixth .....	19,159	11,360	7,799	3,984	1,560	5,544
Twenty-seventh .....	14,281	8,231	6,050	3,087	1,261	4,348
Twenty-eighth .....	15,126	8,724	6,402	3,479	1,498	4,977
Twenty-ninth .....	15,037	9,752	5,285	2,844	866	3,710
Thirtieth .....	16,354	10,423	5,931	3,048	1,097	4,145
Thirty-first .....	14,057	7,683	6,374	3,211	1,842	5,053
Thirty-second .....	18,383	10,508	7,875	3,075	1,323	4,398
Thirty-third .....	11,137	8,067	3,070	2,181	402	2,583
Totals .....	179,735	113,054	66,681	36,069	12,815	48,884

## DEPARTMENT OF ELECTIONS

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STATEMENT OF REGISTRATION AND VOTE ON ELECTION HELD NOVEMBER 9, 1915.  
(Male and Female)

Assembly District—	Total Registration	Total Male		Total Female		Total Males		Total Females		Total Male and Females	
		Registration	Voted	Registration	Voted	Registration	Voted	Registration	Voted	Registration	Voted
Twenty-first .....	12,328	10,059	3,874	2,269	715	4,589					
Twenty-second .....	6,565	4,460	2,711	2,105	949	3,660					
Twenty-third .....	10,634	7,033	3,918	3,601	1,429	5,347					
Twenty-fourth .....	12,296	7,764	4,394	4,532	1,862	6,256					
Twenty-fifth .....	14,486	9,070	5,059	5,416	2,354	7,413					
Twenty-sixth .....	19,204	11,379	6,254	7,825	3,297	9,551					
Twenty-seventh .....	14,331	8,259	4,665	6,072	2,487	7,152					
Twenty-eighth .....	15,195	8,751	5,232	6,444	2,795	8,027					
Twenty-ninth .....	15,085	9,781	4,756	5,304	1,853	6,609					
Thirtieth .....	16,389	10,452	4,684	5,937	2,066	6,750					
Thirty-first .....	14,077	7,693	4,260	6,384	2,848	7,108					
Thirty-second .....	18,439	10,525	4,377	7,914	2,382	6,759					
Thirty-third .....	11,175	8,094	3,291	3,081	785	4,076					
Totals .....	180,204	113,320	57,475	66,884	25,822	83,297					

## REGISTRATION STATISTICS—APRIL 1, 1916.

Assembly District—	Total Registration	Males	Females
Twenty-first .....	7,155	5,812	1,343
Twenty-second .....	4,338	3,073	1,265
Twenty-third .....	6,844	4,731	2,113
Twenty-fourth .....	8,063	5,404	2,659
Twenty-fifth .....	9,501	6,240	3,261
Twenty-sixth .....	12,767	7,946	4,821
Twenty-seventh .....	10,277	6,112	4,165
Twenty-eighth .....	11,910	6,983	4,927
Twenty-ninth .....	9,757	6,553	3,204
Thirtieth .....	10,379	6,776	3,603
Thirty-first .....	9,790	5,516	4,274
Thirty-second .....	11,890	7,206	4,684
Thirty-third .....	6,256	4,868	1,388
Grand Totals .....	118,927	77,220	41,707

DEPARTMENT OF ELECTIONS

POLITICAL AFFILIATIONS APRIL 1, 1916.

Assembly District—	Republican	Democrats	Socialist	Progressive	Declined	Union Labor	Proh.	Soc.-Lab.
Twenty-first .....	2,966	1,308	191	245	2,384	37	24	
Twenty-second .....	1,987	679	112	155	1,367	29	9	
Twenty-third .....	2,892	1,177	268	251	2,194	38	24	
Twenty-fourth .....	3,249	1,530	204	318	2,703	42	17	
Twenty-fifth .....	4,237	1,602	154	290	3,148	35	35	1
Twenty-sixth .....	5,813	2,283	206	446	3,925	31	63	
Twenty-seventh .....	4,833	1,878	117	419	2,988	12	80	
Twenty-eighth .....	5,919	1,670	139	426	3,718	14	24	
Twenty-ninth .....	4,238	1,868	244	360	2,987	29	31	
Thirtieth .....	4,741	1,855	192	296	3,259	14	22	
Thirty-first .....	5,230	1,401	86	294	2,746	10	23	1
Thirty-second .....	5,701	1,841	115	376	3,825	13	19	
Thirty-third .....	3,495	746	54	132	1,808	8	13	1
Totals .....	55,301	19,838	2,082	4,008	37,052	312	334	3

## DEPARTMENT OF ELECTIONS

## POLITICAL AFFILIATIONS JUNE 5, 1916.

Assembly District—	Total Registration	Republican	Democratic	Socialist	Progressive	Declined	U.-L.	Proh.
Twenty-first .....	7,389	3,098	1,368	211	248	2,402	37	25
Twenty-second .....	4,432	2,046	691	118	161	1,377	30	9
Twenty-third .....	7,096	3,041	1,222	286	256	2,226	42	24
Twenty-fourth .....	8,244	3,339	1,575	212	328	2,731	41	17
Twenty-fifth .....	9,680	4,363	1,638	161	295	3,151	37	35
Twenty-sixth .....	13,064	6,006	2,344	214	460	3,940	32	67
Twenty-seventh .....	10,493	4,995	1,918	119	423	2,994	14	30
Twenty-eighth .....	12,165	6,111	1,714	143	433	3,726	14	25
Twenty-ninth .....	9,966	4,370	1,918	253	366	2,997	30	32
Thirtieth .....	10,626	4,897	1,896	200	308	3,290	13	22
Thirty-first .....	9,932	5,339	1,436	88	298	2,735	11	23
Thirty-second .....	12,254	5,937	4,925	119	390	3,821	13	19
Thirty-third .....	6,464	3,669	777	58	133	1,808	8	13
Totals .....	121,775	57,211	20,422	2,182	4,099	37,198	322	341



TABLE SHOWING DATE OF ELECTIONS, NUMBER OF PRECINCTS, TOTAL OF EACH REGISTRATION AND VOTE CAST AT EACH ELECTION SINCE THE ADOPTION OF THE "ACT TO REGULATE THE REGISTRATION OF VOTERS AND SECURE THE PURITY OF ELECTIONS", APPROVED MARCH 18, 1878.

Date of Election	Number Precincts	Registration	Votes Polled	Percentage	Election
June 19, 1878.....	136		27,098		Delegates to Constitutional Convention.
May 7, 1879.....	136	38,034			Adoption New Constitution.
September 3, 1879.....	136	44,764		93	General.
March 30, 1880.....	136		30,877	69	Freeholders.
September 8, 1880.....	136		23,398	52	Charter.
November 2, 1880.....	152	43,775	41,292	94	General Presidential.
September 7, 1881.....	152		33,216	76	Municipal
November 7, 1882.....	152	42,135	39,102	93	General.
March 3, 1883.....	152		18,764	45	Charter.
March 18, 1884.....			2,655		Assemblyman.
November 4, 1884.....	164	50,542	47,535	94	General Presidential.
November 2, 1886.....	176	48,792	45,716	93	General.
April 12, 1887.....	176		25,959	53	Amendment and Charter.
November 6, 1888.....	176	58,549	55,313	94	General Presidential.
November 4, 1890.....	310	59,770	55,565	89	General.
November 8, 1892.....	275	67,849	60,790	89	General Presidential.
November 6, 1894.....	293	68,039	61,548	90	General.
November 3, 1896.....	313	72,992	61,820	85	General Presidential.
December 27, 1897.....	94	72,782	26,202	36	Freeholders.
May 26, 1898.....	94	73,140	26,989	35	Charter.
November 3, 1898.....	303	62,965	55,275	88	General.
August 8, 1899.....	106	62,410	32,521	52	Primary.
November 7, 1899.....	303	71,786	51,965	72	Municipal.
December 27, 1899.....	73	70,681	29,972	42	Bond—Parks.
December 29, 1899.....	73	70,726	22,331	32	Bond—Sewers, Etc.
November 6, 1900.....	303	73,633	65,161	88	General Presidential.
August 13, 1901.....	106	76,192	22,939	30	Primary.

TABLE SHOWING DATE OF ELECTIONS, NUMBER OF PRECINCTS, TOTAL OF EACH REGISTRATION AND VOTE CAST AT EACH ELECTION SINCE THE ADOPTION OF THE "ACT TO REGULATE THE REGISTRATION OF VOTERS AND SECURE THE PURITY OF ELECTIONS", APPROVED MARCH 18, 1878.

Date of Election	Number		Registration	Votes Polled	Percent-		Election
	Precincts	Registrations			age	age	
November 5, 1901.....	303	77,890	53,746	69			Municipal.
August 12, 1902.....	113	51,726	28,697	55			Primary.
November 4, 1902.....	320	70,716	61,091	86			General Gubernatorial.
December 2, 1902.....	113	70,764	26,612	37			Bonds, Geary Street Railway.
December 4, 1902.....	113		14,371	20			Amendments to Charter.
August 11, 1903.....	120	73,280	26,039	35			Primary.
September 29, 1903.....	120	73,540	27,308	36			Bond—Sewers, Etc.
October 8, 1903.....	120	73,702	25,276	34			Bonds—Street Railway.
November 3, 1903.....	320	79,684	59,824	75			Municipal.
May 3, 1904.....	120	32,721	9,384	29			Primary.
August 9, 1904.....	120	50,708	18,141	36			Primary.
November 8, 1904*.....	284	81,576	67,770	83			General Presidential.
November 7, 1905.....	198	97,670	71,033	73			Municipal.
August 14, 1906.....	74	22,026	10,824	49			Primary.
November 6, 1906*.....	129	51,633	38,564	75			General Gubernatorial.
August 13, 1907.....	74	60,469	22,851	38			Primary.
November 5, 1907.....	273	77,601	58,086	75			Municipal.
May 5, 1908.....	125	36,564	24,178	66			Primary.
May 11, 1908.....	125		23,560	65			Bonds.
August 11, 1908.....	135	55,437	22,698	41			Primary.
November 3, 1908.....	300	75,388	61,625	82			General Presidential.
November 12, 1908.....	135	75,467	41,137	54			Bond—Water Supply, Etc.
June 22, 1909.....	135	75,679	24,058	32			Bonds—Schools, Etc.
June 24, 1909.....	135	75,808	22,272	29			Bond—Geary Street Railway.
August 17, 1909.....	149	84,571	38,317	45			Primary.
November 2, 1909.....	301	90,790	65,065	71½			Municipal.

\* Voting Machines were used.

DEPARTMENT OF ELECTIONS

December 30, 1909.....	300	90,957	43,189	47 ½	Bond—Geary Street Railway.
January 14, 1910.....	300	91,026	35,015	38 ½	Bond—Spring Valley.
August 16, 1910.....	215	67,513	47,532	70	Primary.
November 8, 1910.....	352	75,828	59,724	79	General Gubernatorial.
November 15, 1910.....	352	75,828	45,889	60 ½	Charter Amendments.
September 26, 1911.....	356	101,955	79,019	77 ½	Municipal Primary.
October 10, 1911.....	356	101,894	59,266	58	Constitutional Amendments.
November 7, 1911.....	356	102,196	69,689	68 ½	General Municipal.
March 28, 1912†.....	356	115,427	49,498	43	†Civic Center Bonds.
March 29, 1912†.....	356	115,445	32,058	27 ½	Home Telephone.
May 14, 1912†.....	356	136,490	62,407	45 ½	Presidential Primary.
September 3, 1912.....	464	119,933	65,948	55 ½	General State Primary.
November 5, 1912.....	657	134,701	105,646	78 ½	General State Presidential.
December 10, 1912.....	479	136,914	83,850	61	Charter Amendments (37).
December 20, 1912.....	479	136,914	47,484	35	Bond—General Utilities.
April 22, 1913.....	479	137,718	62,876	45 ½	Recall—Initiative-Referendum.
August 26, 1913.....	467	141,254	65,522	46 ½	Bond—Municipal Railway.
September 30, 1913.....	673	143,075	65,905	46	Primary.
November 11, 1913.....	673	146,462	72,551	49 ½	Municipal.
August 25, 1914.....	403	147,130	97,417	66	Primary—State.
October 8, 1914.....	43	16,090	8,944	55 ½	Recall—Grant.
November 3, 1914.....	525	161,846	134,492	83	General—State.
March 16, 1915.....	395	162,137	55,611	34	Charter Amendments (36).
April 20, 1915.....	401	162,812	73,583	45	Bond—Spring Valley.
September 28, 1915.....	651	179,592	119,105	66	Municipal Primary.
October 26, 1915.....	651	180,204	48,884	27	Special—State.
November 9, 1915.....	651	180,204	83,297	46	General Municipal.
May 2, 1916.....	370	118,927	48,150	46	Presidential Primary.

† Includes carried-over registration of 1911.

‡ First election at which women voted.

## STATE ELECTIONS.

## PRIMARY.

Year	Month	Registration	Vote Polled	Number Precincts
1914—Aug.	25.....	147,130	97,417	403
1912—Sept.	3.....	119,933	65,948	464
1910—Aug.	16.....	67,513	47,532	215
1908—Aug.	11.....	55,437	22,698	135
1906—Aug.	14.....	22,026	10,824	74
1904—Aug.	9.....	50,708	18,141	120
1902—Aug.	25.....	51,726	28,697	113

## GENERAL.

Year	Month	Registration	Vote Polled	Number Precincts	Governor
1914—Nov.	3.....	161,846	134,492	525	Hiram W. Johnson.
1912—Nov.	5.....	134,701	105,646	657	
1910—Nov.	8.....	75,828	59,724	352	Hiram W. Johnson.
1908—Nov.	3.....	75,388	61,625	300	
1906—Nov.	6.....	51,633	38,564	129	James N. Gillett.
1904—Nov.	8.....	81,576	67,770	284	
1902—Nov.	4.....	70,716	61,091	320	George C. Pardee.
1900—Nov.	6.....	73,633	65,161	303	
1898—Nov.	8.....	62,965	55,275	303	Henry T. Gage.
1896—Nov.	3.....	72,992	61,820	313	
1894—Nov.	6.....	68,039	61,548	293	James H. Budd.
1892—Nov.	8.....	67,849	60,790	275	
1890—Nov.	4.....	59,770	55,565	310	Henry H. Markham.
1888—Nov.	6.....	58,549	55,313	176	
1886—Nov.	2.....	48,792	45,716	176	Washington Bartlett & R. W. Waterman.
1884—Nov.	4.....	50,542	47,535	164	
1882—Nov.	7.....	42,135	39,102	152	George Stoneman.
1880—Nov.	2.....	43,775	41,292	152	
1879—Sept.	3.....	44,764	41,575	136	George C. Perkins.

## MUNICIPAL ELECTIONS.

## PRIMARY.

Year	Month	Registration	Vote Polled	Number Precincts
1915—Sept.	28*	179,592	119,105	651
1913—Sept.	30	143,075	65,905	673
1911—Sept.	26*	101,955	79,019	356
1909—Aug.	17	84,571	38,317	149
1907—Aug.	13	60,469	22,851	74
1905—Aug.	8	87,062	28,951	198
1903—Aug.	11	73,280	26,039	120
1901—Aug.	13	76,192	22,939	106
1899—Aug.	8	62,410	32,521	106

## GENERAL.

Year	Month	Registration	Vote Polled	Number Precincts	Mayor
1915—Nov.	9	180,204	83,297	651	*James Rolph, Jr.
1913—Nov.	11	146,462	72,551	673	
1911—Nov.	7	102,196	69,689	356	*James Rolph, Jr.
1909—Nov.	2	90,790	65,065	301	P. H. McCarthy.
1907—Nov.	5	77,601	58,086	273	E. R. Taylor.
1905—Nov.	7	97,670	71,033	198	E. E. Schmitz-E. R. Taylor.
1903—Nov.	3	79,684	59,824	320	E. E. Schmitz.
1901—Nov.	5	77,890	53,746	303	E. E. Schmitz.
1899—Nov.	7	71,786	51,965	303	Jas. D. Phelan.
1898—Nov.	8	62,965	55,275	303	Jas. D. Phelan.
1896—Nov.	3	72,992	61,820	313	Jas. D. Phelan.
1894—Nov.	6	68,039	61,548	293	Adolph Sutro.
1892—Nov.	8	67,849	60,790	275	L. R. Ellert.
1890—Nov.	4	59,770	55,565	310	George H. Sanderson.
1888—Nov.	6	58,549	55,313	176	E. B. Pond.
1886—Nov.	2	48,792	45,716	176	E. B. Pond.
1884—Nov.	4	50,542	47,535	164	Washington Bartlett.
1882—Nov.	7	42,135	39,102	152	Washington Bartlett.
1881—Sept.	7		33,216	152	M. C. Blake.
1879—Sept.	3	44,764	41,575	136	I. S. Kalloch.

\* Mayor James Rolph, Jr., elected at Primary Elections held September 26, 1911, and September 28, 1915.

## SPECIAL ELECTIONS.

	Date	Registration	Vote Polled	Number Precincts
Adopted New Constitution.....	1879—May	7	38,034	136
Assemblyman.....	1884—Mar.	18	2,655	
Charter.....	1898—May	26	73,140	94
Charter.....	1883—Mar.	3	18,764	152
Charter.....	1880—Sept.	8	23,398	136
Charter Amendments.....	1915—Mar.	16	162,137	395
Charter Amendments.....	1912—Dec.	10	136,914	479
Charter Amendments.....	1910—Nov.	15	75,828	352
Charter Amendments.....	1902—Dec.	4	14,371	113
Charter Amendments.....	1887—April	12	25,959	176
(Charter and Amendments)				
Constitutional Amendments.....	1915—Oct.	26	180,204	651
Constitutional Amendments.....	1911—Oct.	10	101,894	356
Delegates to Constitutional Con- vention.....	1878—June	19	27,098	136
Freeholders.....	1897—Dec.	27	72,782	94
Freeholders.....	1880—Mar.	30	30,877	136
Home Telephone.....	1912—Mar.	29	115,445	356
Initiative-Referendum.....	1913—April	22	137,718	479
Recall (Grant).....	1914—Oct.	8	16,090	43
Recall (Weller).....	1913—April	22	137,718	479

## PRESIDENTIAL ELECTIONS.

	Date	Registration	Vote Polled	Number Precincts		
Primary .....	1912—May	14	136,490	62,407	356	Electors
Primary .....	1904—May	3	32,721	9,384	120	Delegates
Primary .....	1908—May	5	36,564	24,178	125	Delegates
General .....	1912—Nov.	5	134,701	105,646	657	Wilson
General .....	1908—Nov.	3	75,388	61,625	300	Taft
General .....	1904—Nov.	8	81,576	67,770	284	Roosevelt
General .....	1900—Nov.	6	73,633	65,161	303	McKinley and Roosevelt
General .....	1896—Nov.	3	72,992	61,820	313	McKinley
General .....	1892—Nov.	8	67,849	60,790	275	Cleveland
General .....	1888—Nov.	6	58,549	55,313	176	Harrison
General .....	1884—Nov.	4	50,542	47,535	164	Cleveland
General .....	1880—Nov.	2	43,775	41,292	152	Garfield and Arthur

## DEPARTMENT OF ELECTIONS

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## NATIVES OF UNITED STATES AND ITS POSSESSIONS.

DECEMBER 31, 1915.

	Districts	21	22	23	24	25	26	27	28	29	30	31	32	33	Totals
States—															
Alabama .....	17	1	10	9	13	17	17	16	21	20	26	38	62	29	279
Arizona .....	5	4	5	5	6	19	13	13	24	12	14	23	31	14	175
Arkansas .....	23	8	12	16	10	18	30	30	14	30	46	15	27	24	273
California .....	3,342	2,955	4,403	5,505	7,182	9,190	6,831	7,258	6,462	6,095	6,978	7,678	4,058	77,937	
Colorado .....	71	17	18	31	46	69	60	60	57	83	84	51	118	68	773
Connecticut .....	57	24	22	25	38	68	42	42	46	37	59	57	89	42	606
Delaware .....	6	3	5	6	8	5	5	13	10	3	15	8	11	5	98
Dist. Columbia.....	18	3	10	5	8	12	12	17	17	17	18	23	41	19	191
Florida .....	9	2	4	2	9	5	5	7	7	4	15	12	6	12	94
Georgia .....	34	7	13	19	15	27	27	26	24	23	56	21	48	38	351
Idaho .....	4	4	2	7	14	12	12	9	17	22	31	12	28	5	167
Illinois .....	455	114	226	270	331	441	372	419	491	491	556	274	686	381	5,016
Indiana .....	178	24	73	91	114	166	161	142	214	214	219	131	278	132	1,923
Iowa .....	205	36	100	138	162	247	208	202	202	263	294	132	382	162	2,531
Kansas .....	121	30	62	69	110	122	108	108	98	138	172	79	212	91	1,412
Kentucky .....	147	20	61	44	62	107	104	104	96	94	140	87	190	108	1,260
Louisiana .....	63	28	39	33	55	58	62	62	50	56	93	70	79	74	760
Maine .....	58	22	41	45	106	112	97	97	71	101	113	130	99	43	1,038
Maryland .....	76	15	31	27	27	45	70	67	67	38	69	85	90	44	684
Massachusetts .....	306	103	125	201	249	347	255	242	278	353	277	395	211	3,342	
Michigan .....	164	49	72	118	121	162	135	147	159	159	254	145	343	138	2,007
Minnesota .....	122	26	55	73	76	137	99	99	113	140	158	68	182	90	1,339
Mississippi .....	22	2	5	5	20	15	5	5	16	16	34	26	51	14	231
Missouri .....	293	68	157	149	204	279	269	248	248	298	384	238	443	221	3,251
Montana .....	12	6	9	6	13	15	15	12	15	13	21	25	33	16	196

## NATIVES OF UNITED STATES AND ITS POSSESSIONS. DECEMBER 31, 1915.—Continued.

Districts	21	22	23	24	25	26	27	28	29	30	31	32	33	Totals
Nebraska .....	62	15	29	49	65	74	66	72	70	76	40	131	66	815
Nevada .....	84	45	60	59	114	228	130	151	143	146	132	180	79	1,551
New Hampshire.....	18	8	15	16	30	27	34	32	22	44	22	39	13	320
New Jersey.....	101	30	46	59	67	99	85	86	96	90	85	118	59	1,021
New Mexico.....	4	4	1	1	6	9	6	5	8	7	7	12	5	74
New York.....	700	200	387	451	599	862	708	728	684	996	805	1,103	571	8,794
North Carolina.....	30	2	13	12	12	17	4	20	24	43	32	24	25	258
North Dakota.....	8	2	6	8	11	10	13	8	9	11	4	18	14	122
Ohio .....	317	65	147	186	220	307	279	291	298	362	246	544	214	3,476
Oklahoma .....	8	2	9	2	9	5	1	3	5	7	9	7	5	61
Oregon .....	63	21	51	79	87	140	134	131	131	151	131	210	95	1,424
Pennsylvania .....	392	91	139	215	281	342	289	266	335	403	286	463	277	3,779
Rhode Island.....	38	3	15	15	22	23	28	26	22	29	26	52	15	314
South Carolina.....	12	1	9	3	5	15	8	12	14	22	9	27	12	149
South Dakota.....	16	4	12	10	12	12	21	13	17	27	9	29	13	183
Tennessee .....	69	13	30	33	40	44	40	40	58	86	49	104	66	672
Texas .....	90	27	66	49	50	69	61	53	78	130	61	131	111	976
Utah .....	37	5	12	24	23	31	29	36	39	39	27	52	33	387
Vermont .....	25	6	13	15	33	33	35	23	25	29	22	61	19	339
Virginia .....	74	9	19	20	20	44	34	45	39	74	70	99	52	599
Washington .....	47	10	31	28	54	55	71	46	58	75	56	124	64	719
West Virginia.....	21	4	11	12	13	17	31	26	39	27	19	31	16	267
Wisconsin .....	179	40	73	102	120	212	130	151	194	209	107	252	125	1,894
Wyoming .....	6	5	5	6	2	8	3	4	4	4	6	19	11	83
Alaska .....	2	2	1	1	1	3	2	1	1	3	4	6	3	27
Hawaii .....	19	7	13	11	6	22	14	28	22	24	18	25	31	240
Philippine Islands..	1						1				1		1	6
Porto Rico.....									1					1
Totals .....	8,231	4,184	6,768	8,365	10,889	14,403	11,261	11,718	11,448	12,433	11,288	15,463	8,034	134,485



## DEPARTMENT OF ELECTIONS

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1914-1915.

## RECAPITULATION—FOREIGN BORN.

District	21	22	23	24	25	26	27	28	29	30	31	32	33	Totals
Africa .....	3	1	1		1	1	1	1	1	1	1	2	4	14
Argentina .....	1	1			2	1	1	1	1	1	1	2	4	14
Asia Minor .....					1				1					2
At Sea .....	4	4		3	2	6	4	1	3	6	6	4		43
Australia .....	32	19	28	50	42	67	42	54	57	42	43	53	10	539
Austria .....	248	46	145	129	96	172	95	112	156	236	108	172	112	1,827
Azores Islands .....	3				1	1		6		5	1	2	11	30
Belgium .....	15	18	23	15	11	10	7	6	9	10	9	12	12	157
Brazil .....	1	1				1	2						1	6
Bulgaria .....	2									1		2		5
Canada .....	188	76	139	195	204	337	309	267	241	234	205	294	115	2,804
Central America .....	2	2		7	3	4		8	3	5	11	6		51
Chile .....	2	3	1	1	3	5	1	3	1	2	5	5	5	32
China .....				1		2	1	2		3	4	4	2	19
Cuba .....	1							1			2	1	2	8
Denmark .....	130	86	86	99	95	138	81	83	129	85	57	50	48	1,167
East India .....	1	1								1	1		1	6
Egypt .....	2	1					1	1			1		2	8
England .....	229	128	247	286	253	442	357	413	281	365	254	304	130	3,689
Finland .....	57	60	75	27	16	23	9	5	15	7	1	3	10	308
France .....	111	123	77	69	80	92	66	150	94	146	164	199	286	1,657
Germany .....	787	552	830	821	969	1,233	788	946	926	1,134	803	753	388	10,930
Greece .....	74	4	8	3	10	7	2	18	13	23	6	16	27	211
Greenland .....										1			1	2
Guiana .....											1			1
Holland .....	14	9	12	14	20	18	11	8	14	17	10	12	7	166
Hungary .....	46	14	51	40	20	39	14	27	26	53	21	30	14	395

## DEPARTMENT OF ELECTIONS

## 1914—1915. RECAPITULATION—FOREIGN BORN—Continued.

District	21	22	23	24	25	26	27	28	29	30	31	32	33	Totals
Iceland .....	10					1	2	1	1				3	18
India .....	3				1		6	6	2	2	2			22
Ireland .....	1,221	615	997	1,371	1,062	1,132	680	738	881	661	452	300	184	10,394
Island Malta .....					1				1					2
Island Martinique .....										1			1	2
Italy .....	92	123	288	111	104	109	63	80	83	85	246	253	1,254	2,891
Japan .....						1	4		1	2	2	6		17
Luxembourg .....					2				1		3	4	4	15
Mexico .....	6	8	10	8	5	5	3	14	4	11	23	20	24	141
New Zealand .....	9	7	7	15	14	11	7	14	14	15	11	19	2	145
Norway .....	103	63	103	105	80	121	60	44	68	47	25	32	51	902
Oceania .....			4				1	1		1	2	3		12
Persia .....									1					1
Peru .....	1	1	2		1	4		3	4	1	3	1	4	25
Portugal .....	9	2	23	8	8	18	5	11	8	9	3	5	22	131
Roumania .....	14	5	20	18	5	12	5	13	36	56	4	7	9	204
Russia .....	140	55	129	68	81	166	78	110	154	350	80	109	58	1,578
Scotland .....	133	109	97	95	100	155	101	99	103	99	65	82	40	1,278
Servia .....		1						1		1	1	3		7
South Africa .....					2		1	3	2		1	1	2	14
Spain .....	1	2	3	3	4	5	3	5	2	3	5	11	31	78
Sweden .....	288	162	310	250	161	356	189	133	170	126	72	96	94	2,407
Switzerland .....	81	52	118	95	118	76	42	62	95	62	51	78	150	1,080
Tahiti .....					3		2	1	1					9
Turkey .....	25	9	7	8	3	9	7	8	10	26	7	11	11	141
Uruguay .....		1	1	1	1				1		2	1		8
Venezuela .....				1				1		2				4
Wales .....	20	5	15	11	15	16	14	17	21	16	6	13	5	174
West Indies .....		1	3		1	3	4	1	4	2	9	1	3	32
Totals .....	4,097	2,381	3,866	3,931	3,597	4,801	3,070	3,477	3,637	3,956	2,789	2,976	3,141	45,719

NR BONDED DEBT  
 000 at 4 1/2% for  
 tion and con  
 lon of GEARY  
 from Kearny  
 Sutro Baths  
 tenth Ave. to  
 Gate Park, e

TO INCUR BONDED DEBT ON  
 3 propositions at 3%:  
 First:  
 \$4,600,000 for Sewer  
 System.  
 Second.  
 \$475,000 for City and  
 County Hospital.  
 Third.  
 \$1,400,000 for 17 new  
 School Houses.

TO INCUR BONDED DEBT OF  
 \$4,550,000 at 3 1/2% for  
 Public Parks:  
 \$3,981,290 for Panhandle  
 Extension.  
 \$268,710 for Richmond  
 Boulevard.  
 \$300,000 Mission Parks.

AGAINST

4 7,80

FOR. AGAINST.

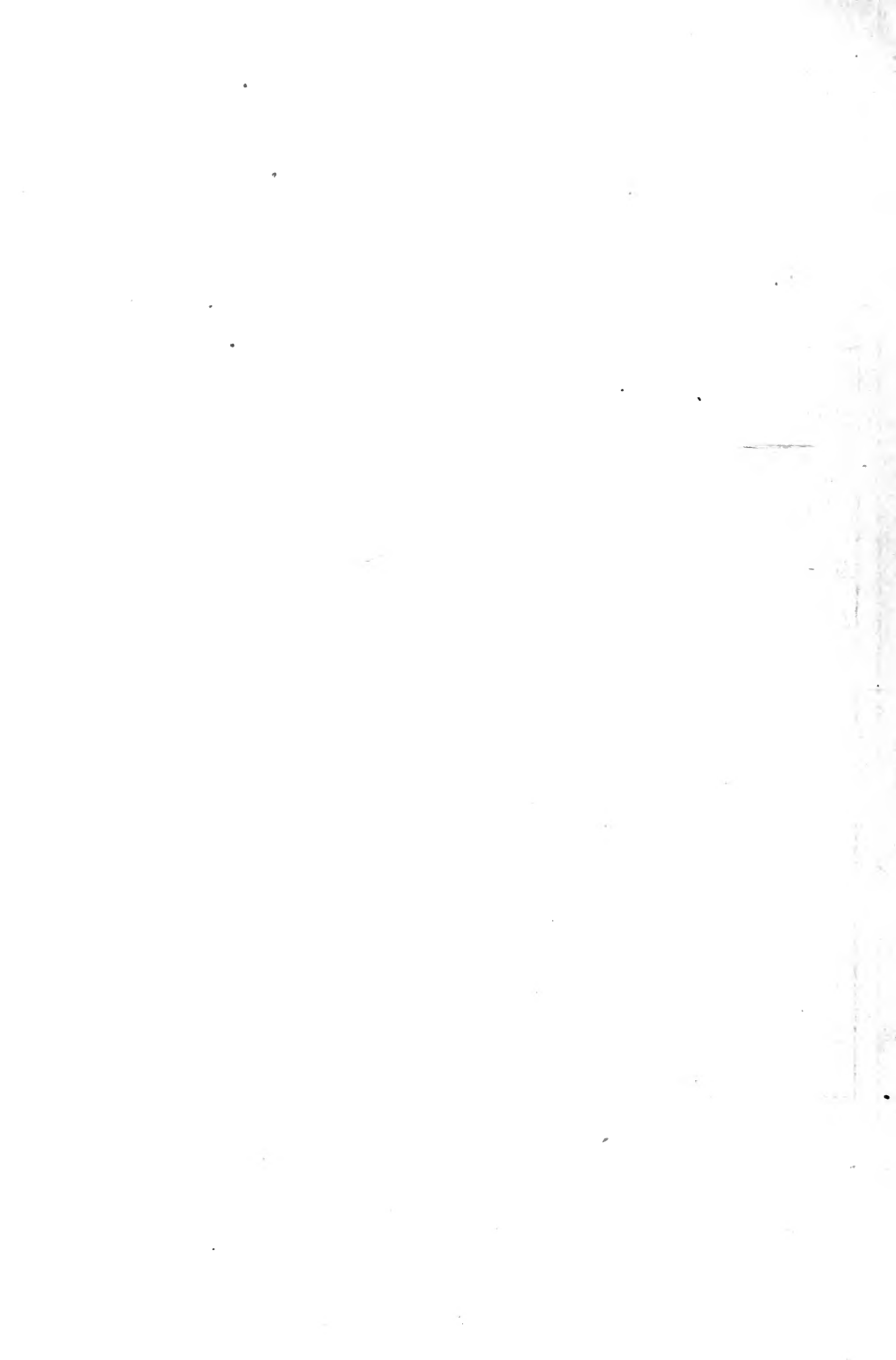
1. 21,259 820  
 2. 21,366 684  
 3. 21,158 865

FOR. AGAINST.

21,900 7,840

8, September 1908.  
 8, September

, December 27, 1899.  
 umber 29, 1899.



# Report of Fire Commissioners

San Francisco, July 1, 1916.

To the Hon. James Rolph, Jr.,

Mayor of the City and County of San Francisco.

Dear Sir:—In compliance with the provisions of Section 9, Article XVI, of the Charter of the City and County of San Francisco, the Board of Fire Commissioners of said City and County do hereby submit and present its annual report for the fiscal year ending June 30, 1916, containing therein a statement of the expenditures, etc., and report of the Chief Engineer showing the conditions and operations of the Department in general.

## ORGANIZATION.

The department, as it is now constituted, consists of a Board of Fire Commissioners of four members, a Secretary, a Chief Engineer, One First Assistant Chief Engineer, one Second Assistant Chief Engineer, eleven Battalion Chiefs, forty-eight fire engine companies, thirteen hook-and-ladder companies, twelve chemical companies, two water tower companies, three monitor batteries, two fire boat companies and three relief engine companies, and employes of the corporation yard, repair shops, department stables and auxiliary high pressure water system, numbering in all 907 employes, of which 818 constitute the present uniform force.

## BOARD OF FIRE COMMISSIONERS.

JOHN T. FOGARTY, President.....	Term expires January 8, 1918
JOHN F. DAVIS.....	Term expires January 8, 1920
TILLMAN R. HERRING.....	Term expires January 8, 1919
FRANK C. SYKES.....	Term expires January 8, 1917
FRANK T. KENNEDY.....	Secretary

## OFFICERS OF THE DEPARTMENT.

Thomas R. Murphy .....	Chief Engineer
Stephen D. Russell .....	First Assistant Chief Engineer
John J. Conlon .....	Second Assistant Chief Engineer
Alfred Davis .....	Battalion Chief
James Britt .....	Battalion Chief
Michael Boden .....	Battalion Chief
Charles R. Murray .....	Battalion Chief
Edward Skelly .....	Battalion Chief
James F. Layden .....	Battalion Chief
Thomas J. Murphy .....	Battalion Chief
James Radford .....	Battalion Chief
George G. Bailey .....	Battalion Chief
Walter A. Cook .....	Battalion Chief
John R. Maxwell .....	Battalion Chief

## APPROPRIATION AND EXPENDITURES.

Appropriation for fiscal year 1915-1916.....	\$1,622,301.00	
Brought forward from fiscal year 1914-1915.....	80,697.72	
		<u>\$1,702,988.72</u>

## EXPENDITURES.

## Salaries—

Corporation Yard .....	\$ 51,599.25	
Distributing System .....	15,561.00	
Harness Shop .....	5,559.75	
Horseshoers .....	6,260.00	
Hydrantmen .....	8,350.00	
Office .....	10,775.00	
Paint Shop .....	5,782.95	
Pumping Stations .....	20,050.85	
Stables .....	12,613.35	
Uniform Force .....	1,243,270.75	
		<u>\$1,379,822.90</u>

## Maintenance—

Apparatus (New) .....	\$ 75,256.25	
Forage .....	34,932.95	
Fuel .....	29,956.22	
Furniture .....	2,540.09	
Garbage Removal .....	3,300.00	
Harness and Repairs.....	1,287.44	
Horseshoeing .....	3,574.86	
Hydrants .....	12,033.59	
Material .....	36,409.22	
Office .....	973.42	
Paint Shop .....	1,529.03	
Rent .....	1,623.75	
Stables .....	674.59	
Supplies .....	14,413.58	
Water .....	8,958.73	
		<u>227,463.72</u>
		<u>1,607,286.62</u>

Balance, unexpended.. .....	\$ 95,712.10
Less amount due on uncompleted contracts.....	80,237.00
	<u>15,475.10</u>
Surplus unexpended .....	\$ 15,475.10

## DETAILS OF ORGANIZATION.

(Salaries provided by Charter or by Ordinance.)

No.		Per Annum
4	Commissioners, each .....	\$1,200
1	Secretary .....	2,400
1	Chief Engineer.....	5,000
1	First Assistant Chief Engineer.....	3,600
1	Second Assistant Chief Engineer.....	3,000
11	Battalion Chiefs, each.....	2,700
14	Chiefs' Operators, each.....	1,500
48	Captains of Engine Companies, each.....	1,860
48	Lieutenants of Engine Companies, each.....	1,710
48	Engineers of Engine Companies, each.....	1,680
48	Drivers of Engine Companies, each.....	1,440
48	Stokers of Engine Companies, each.....	1,440
288	Hosemen of Engine Companies, each.....	1,440
2	Captains of Relief Engine Companies, each.....	1,860
2	Lieutenants of Relief Engine Companies, each.....	1,710
10	Hosemen of Relief Engine Companies, each.....	1,440
13	Captains of Hook-and-Ladder Companies, each.....	1,860
13	Lieutenants of Hook-and-Ladder Companies, each.....	1,710
13	Drivers of Hook-and-Ladder Companies, each.....	1,440
13	Tillermen of Hook-and-Ladder Companies, each.....	1,440
104	Truckmen of Hook-and-Ladder Companies, each.....	1,440
12	Captains of Chemical Companies, each.....	1,860
12	Lieutenants of Chemical Companies, each.....	1,710
12	Drivers of Chemical Companies, each.....	1,440
12	Hosemen of Chemical Companies, each.....	1,440
2	Captains of Water Tower Companies, each.....	1,860
2	Lieutenants of Water Tower Companies, each.....	1,710
2	Drivers of Water Tower Companies, each.....	1,440
2	Hosemen of Water Tower Companies, each.....	1,440
3	Drivers of Monitor Batteries, each.....	1,440
2	Captains of Fire Boat Companies, each.....	1,860
2	Lieutenants of Fire Boat Companies, each.....	1,710
4	Pilots of Fire Boat Companies, each.....	2,100
4	Engineers of Fire Boat Companies, each.....	2,100
6	Marine Firemen of Fire Boat Companies, each.....	1,200
24	Hosemen of Fire Boat Companies, each.....	1,440
4	Engineers of Relief Fire Boat Companies, each.....	2,100
2	Marine Firemen of Relief Fire Boat Companies, each.....	1,200
1	Superintendent of Engines.....	2,700
1	Clerk and Commissary.....	1,800
1	Superintendent of Horses .....	1,860
1	Veterinarian .....	1,200
8	Hostlers, each .....	1,200
4	Horseshoers, each per diem .....	5.00
8	Machinists, each per diem.....	4.50
5	Blacksmiths, each per diem.....	4.50
5	Blacksmith Helpers, each per diem.....	3.50
1	Pattern Maker, per diem.....	5.25
1	Brass Finisher, per diem.....	4.50
1	Boiler Makers, each per diem.....	4.50
2	Boilermakers' Helpers, each per diem.....	3.25

## FIRE COMMISSIONERS

No.		Per Annum
1	Steamfitter, per diem.....	6.00
1	Foreman Carriage Painter, per diem.....	5.00
3	Carriage Painters, each per diem.....	4.50
1	Foreman Woodworker, per diem.....	4.50
1	Woodworker, per diem.....	4.50
1	Foreman Harnessmakers, per diem.....	5.00
3	Harnessmakers, each per diem.....	4.25
2	Chief Engineers of Pumping Stations, each per annum.....	2,100
5	Assistant Engineers of Pumping Stations, each per annum.....	1,500
7	Stationary Firemen of Pumping Stations, each per annum.....	1,200
1	Superintendent High Pressure Water System, per annum.....	2,400
1	Foreman Gateman High Pressure System, per annum.....	1,500
1	Assistant Foreman Gateman, High Pressure System, per annum.....	1,440
5	Gatemen High Pressure Water System, each per annum.....	1,200
3	Laborers High Pressure Water System, each per diem.....	3.00
1	Caulker High Pressure Water System, per diem.....	4.50
7	Hydrantmen, Low Pressure Water System, each per annum.....	1,200
3	Draymen, each per annum.....	1,200
4	Watchmen, each per annum.....	1,200
1	Physician-Surgeon, per annum.....	1,800
1	Stenographer-Typewriter, per annum.....	1,800

Under the provisions of the Charter, drivers, stokers, tillermen, hosemen and truckmen receive \$1,200 per annum for the first year of service, \$1,320 for the second year and \$1,440 for the third year and thereafter.



# Chief Engineer's Report

Headquarters Fire Department,

San Francisco, July 1, 1916.

To the Honorable,

The Board of Fire Commissioners.

Gentlemen:—I respectfully submit my annual report for the fiscal year ending June 30, 1916, showing the present condition of the department and the progress made therein during the past year, together with such recommendations, etc., as in my judgment I deem necessary and proper to further promote the efficiency of the department:

## FIRES.

The following is a list of alarms of fire responded to by the department during the past year; also statistics showing the style of structure in which fires originated, the extent thereof, and the manner in which they were extinguished:

### Number of Alarms Responded to:

Bell alarms from street or automatic boxes.....	1,653
Still alarms and direct alarms received by telephone, etc.....	1,892
<b>Total alarms received .....</b>	<b>3,545</b>
<b>Total alarms received during previous fiscal year.....</b>	<b>2,720</b>
<b>Total increase .....</b>	<b>825</b>
First alarms .....	1,581
Second alarms .....	57
Third alarms .....	14
Fourth alarms .....	1
Vicinity boxes .....	145
False alarms .....	353
Alarms for accidents, etc., other than fire.....	46

### Style of Structure in which Fires Occurred:

Frame buildings .....	1,322
Brick or stone buildings .....	229
Fires occurring in other than buildings.....	956
Fires confined to floor of origin.....	1,439
Fires confined to building (not floor) of origin.....	47
Fires not confined to building of origin.....	65

### Manner in which Fires were Extinguished:

Fires extinguished with chemicals .....	734
Fires extinguished with low pressure water.....	813
Fires extinguished with high pressure water.....	46
Fires extinguished otherwise .....	914

## APPARATUS.

The following is a list of the apparatus in good condition and in active service in the department:

Steam Fire Engines (horse drawn).....	36
Steam Fire Engines (motor propelled).....	9
Gasoline Pumping Engines (motor propelled).....	3
Hose Wagons, straight (horse drawn).....	36
Hose Wagons, straight (motor propelled).....	1
Hose Wagons, combination (horse drawn).....	1
Hose Wagons, combination (motor propelled).....	10
Hook-and-Ladder Trucks (horse driven).....	7
Hook-and-Ladder Trucks (motor propelled).....	6
Chemical Engines, straight (horse drawn).....	6
Chemical Engines, straight (motor propelled).....	6
Water Towers (horse drawn).....	2
Monitor Batteries (horse drawn).....	3
Fire Boats .....	2
Squad Wagons (motor propelled).....	1
Hose Tenders (motor driven).....	1
Chief's automobiles .....	13
Chief's buggies .....	14
Hose reels (horse drawn).....	2
Hydrant cars (horse drawn).....	7
Hose, 1-inch, feet.....	4,400
Hose, 1 ½-inch, feet.....	31,000
Hose, 2 ½-inch, feet.....	9,793
Hose, 2 ¾-inch, feet.....	107,899
Hose, 3-inch, feet.....	12,010
Hose, 3 ½-inch, feet.....	5,030
Hose, 1-inch rubber hose for chemical apparatus, feet.....	8,000

In addition to the above there is also the following apparatus, vehicles, etc., for relief and other purposes: Twelve horse drawn steam fire engines; nine horse drawn straight hose wagons; one motor propelled combination hose wagon and two horse drawn; five horse drawn hook-and-ladder trucks; four horse drawn straight chemicals; three automobiles; fourteen chief's buggies; five horse drawn supply wagons; one horse drawn coal wagon; nine horse drawn stable wagons one horse drawn wrecking wagon;; two motor propelled delivery wagons and four horse drawn.

Total number of motor propelled vehicles of all kinds.....	55
Total number of horse drawn vehicles of all kinds.....	181
There is also on hand the following amounts of reserve fire hose:	
1 -inch cotton .....	350 feet
1 ½-inch cotton .....	13,700 "
2 ½-inch cotton .....	3,850 "
2 ¾-inch cotton .....	11,450 "
3 -inch cotton .....	3,900 "
3 ½-inch cotton .....	1,950 "
1 -inch rubber for chemical apparatus.....	1,100 "
Total .....	36,300 "
Total amount of hose of all kinds in service.....	178,132 feet
Total amount of hose of all kinds in reserve.....	36,300 "
Total amount of hose in department.....	214,432 "

## NEW APPARATUS ACQUIRED.

During the past year the following new motor driven apparatus was purchased and delivered to the department:

- One chemical engine.
- One hook-and-ladder truck.
- One squad wagon.
- Two combination pumping engines.
- Four two-wheel tractors.
- Two four-wheel tractors.
- One delivery wagon.

In addition thereto the following motor driven fire apparatus has also been contracted for during the past year but has not as yet been delivered to the department:

- Four combination pumping engines.
- Two chemical engines.
- Three four-wheel tractors.
- Two combination wagons.

Making a total of twenty-three pieces of motor apparatus received and contracted for during the past fiscal year.

STATEMENT OF THE KIND OF APPARATUS, CLASS, NUMBER OF MEN  
EACH COMPANY FOR THE FISCAL

COMPANY AND KIND OF APPARATUS.		Size of Apparatus	Number of Men in Company	Number of Horses in Company
Engine Co. No. 1	Clapp & Jones, double	First	11	5
Engine Co. No. 2	Metropolitan, double	Second	11	5
Engine Co. No. 3	Metropolitan, double (Motor driven and Comb. wagon)	Second	11	0
Engine Co. No. 4	American La France, double	First	11	5
Engine Co. No. 5	American, double (Motor driven and Comb. wagon)	Second	11	0
Engine Co. No. 6	American, double	First	11	5
Engine Co. No. 7	Clapp & Jones, double	Second	11	5
Engine Co. No. 8	American La France, double	Second	11	5
Engine Co. No. 9	American La France, double	First	11	5
Engine Co. No. 10	Ahrens Fox, double (Motor driven and Comb. wagon)	First	11	0
Engine Co. No. 11	Amoskeag, double	Second	11	5
Engine Co. No. 12	American La France, double (Motor driven and Comb. wagon)	First	11	0
Engine Co. No. 13	American La France, double	Second	11	5
Engine Co. No. 14	Clapp & Jones, double	Second	11	5
Engine Co. No. 15	Clapp & Jones, double	Second	11	5
Engine Co. No. 16	American La France, double	Second	11	5
Engine Co. No. 17	American, double	First	11	5
Engine Co. No. 18	Clapp & Jones, double	Third	11	5
Engine Co. No. 19	Metropolitan, double	Second	11	5
Engine Co. No. 20	Metropolitan, double (Motor driven and Comb. wagon)	Second	11	0
Engine Co. No. 21	Seagrave, double (Motor driven and Comb. wagon)	Second	11	0
Engine Co. No. 22	Metropolitan, double (Motor driven and Comb. wagon)	Second	11	0
Engine Co. No. 23	Metropolitan, double (Motor driven and Comb. wagon)	Third	11	0
Engine Co. No. 24	Metropolitan, double (Motor driven and Comb. wagon)	Third	11	0
Engine Co. No. 25	Clapp & Jones, double	Second	11	5
Engine Co. No. 26	Amoskeag, double	Second	11	5
Engine Co. No. 27	Clapp & Jones, double	Second	11	5
Engine Co. No. 28	Metropolitan, double (Motor driven and Comb. wagon)	Second	11	0
Engine Co. No. 29	Metropolitan, double	Second	11	5
Engine Co. No. 30	American La France, double	Third	11	5
Engine Co. No. 31	Metropolitan, double	Third	11	5
Engine Co. No. 32	American La France, double	Third	11	5
Engine Co. No. 33	American La France, double	Fourth	11	5
Engine Co. No. 34	Continental, double	Second	11	5
Engine Co. No. 35	American, double	First	11	5
Engine Co. No. 36	American, double	Second	11	5
Engine Co. No. 37	American La France, double	Second	11	5
Engine Co. No. 38	American La France, double	Fourth	11	5
Engine Co. No. 39	Metropolitan, double	Third	11	5
Engine Co. No. 40	Clapp & Jones, double	Third	11	5
Engine Co. No. 41	Continental, double	Third	11	5
Engine Co. No. 42	American La France, double	Second	11	5
Engine Co. No. 43	American La France, double	Third	11	5
Engine Co. No. 44	American La France, double	Third	11	5
Engine Co. No. 45	La France, double	Fourth	11	5
Engine Co. No. 46	American La France, double (Motor driven and Comb. wagon)	Second	11	0

AND HORSES, ALARMS RESPONDED TO AND DUTY PERFORMED BY YEAR ENDING JUNE 30, 1916.

Kind.	HOSE Number of Feet and Size.		Number of Bell Alarms Responded to	Number of Fires Performed Duty at	Number of Still Alarms Responded to	Time Worked	
						Hours	Minutes
						.....	.....
Cotton.....	1,500 feet 2 3/4 inches;	400 feet 1 1/2 inches.....	112	43	25	30	24
Cotton.....	1,500 feet 2 3/4 inches;	400 feet 1 1/2 inches.....	114	51	25	45	45
Cotton.....	1,800 feet 2 3/4 inches;	400 feet 1 1/2 inches.....	112	15	11	13	43
Cotton.....	1,500 feet 2 3/4 inches;	400 feet 1 1/2 inches.....	141	35	1	49	13
Cotton.....	2,000 feet 2 3/4 inches;	400 feet 1 1/2 inches.....	115	31	10	39	.....
Cotton.....	1,500 feet 2 3/4 inches;	400 feet 1 1/2 inches.....	129	86	77	97	45
Cotton.....	1,500 feet 2 3/4 inches;	400 feet 1 1/2 inches.....	135	33	.....	26	8
Cotton.....	1,500 feet 2 3/4 inches;	400 feet 1 1/2 inches.....	153	26	34	28	11
Cotton.....	1,500 feet 2 3/4 inches;	400 feet 1 1/2 inches.....	65	54	44	75	45
Cotton.....	2,050 feet 2 3/4 inches;	400 feet 1 1/2 inches.....	159	65	22	73	16
Cotton.....	1,750 feet 2 3/4 inches;	450 feet 1 1/2 inches.....	38	20	5	34	25
Cotton.....	2,000 feet 2 3/4 inches;	400 feet 1 1/2 inches.....	60	39	46	39	34
Cotton.....	1,500 feet 2 3/4 inches;	400 feet 1 1/2 inches.....	132	24	18	20	30
Cotton.....	1,500 feet 2 3/4 inches;	400 feet 1 1/2 inches.....	164	34	23	44	45
Cotton.....	1,500 feet 2 3/4 inches;	400 feet 1 1/2 inches.....	93	15	15	22	35
Cotton.....	1,600 feet 2 3/4 inches;	400 feet 1 1/2 inches.....	51	45	23	56	10
Cotton.....	1,500 feet 2 3/4 inches;	400 feet 1 1/2 inches.....	158	72	68	65	6
Cotton.....	1,600 feet 2 3/4 inches;	400 feet 1 1/2 inches.....	94	20	11	15	.....
Cotton.....	1,500 feet 2 3/4 inches;	400 feet 1 1/2 inches.....	160	93	35	71	54
Cotton.....	2,000 feet 2 3/4 inches;	400 feet 1 1/2 inches.....	73	44	41	34	51
Cotton.....	2,000 feet 2 3/4 inches;	400 feet 1 1/2 inches.....	136	40	49	33	45
Cotton.....	2,000 feet 2 3/4 inches;	400 feet 1 1/2 inches.....	52	26	16	28	40
Cotton.....	2,000 feet 2 3/4 inches;	400 feet 1 1/2 inches.....	112	61	35	49	35
Cotton.....	2,000 feet 2 3/4 inches;	400 feet 1 1/2 inches.....	47	19	17	13	5
Cotton.....	1,500 feet 2 3/4 inches;	400 feet 1 1/2 inches.....	135	25	0	29	50
Cotton.....	1,700 feet 2 3/4 inches;	400 feet 1 1/2 inches.....	98	35	17	30	10
Cotton.....	2,000 feet 2 3/4 inches;	400 feet 1 1/2 inches.....	146	67	41	56	5
Cotton.....	2,000 feet 2 3/4 inches;	400 feet 1 1/2 inches.....	82	37	25	34	.....
Cotton.....	1,550 feet 2 3/4 inches;	400 feet 1 1/2 inches.....	143	68	34	65	38
Cotton.....	1,750 feet 2 3/4 inches;	400 feet 1 1/2 inches.....	104	16	8	34	15
Cotton.....	1,500 feet 2 3/4 inches;	400 feet 1 1/2 inches.....	64	17	14	11	18
Cotton.....	1,800 feet 2 3/4 inches;	400 feet 1 1/2 inches.....	85	35	17	44	.....
Cotton.....	1,800 feet 2 3/4 inches;	450 feet 1 1/2 inches.....	41	18	10	29	27
Cotton.....	1,550 feet 2 3/4 inches;	400 feet 1 1/2 inches.....	148	29	23	44	21
Cotton.....	1,500 feet 2 3/4 inches;	400 feet 1 1/2 inches.....	78	64	29	79	15
Cotton.....	1,750 feet 2 3/4 inches;	400 feet 1 1/2 inches.....	57	15	13	9	53
Cotton.....	1,600 feet 2 3/4 inches;	400 feet 1 1/2 inches.....	89	21	9	23	45
Cotton.....	1,500 feet 2 3/4 inches;	400 feet 1 1/2 inches.....	81	36	20	27	45
Cotton.....	1,500 feet 2 3/4 inches;	400 feet 1 1/2 inches.....	167	58	29	43	25
Cotton.....	1,800 feet 2 3/4 inches;	400 feet 1 1/2 inches.....	50	30	23	32	15
Cotton.....	1,500 feet 2 3/4 inches;	400 feet 1 1/2 inches.....	68	30	36	25	50
Cotton.....	2,000 feet 2 3/4 inches;	400 feet 1 1/2 inches.....	45	23	17	29	.....
Cotton.....	2,050 feet 2 3/4 inches;	400 feet 1 1/2 inches.....	51	17	15	17	20
Cotton.....	1,600 feet 2 1/2 inches;	200 feet 1 1/2 inches.....	39	3	7	2	20
Cotton.....	2,000 feet 2 1/2 inches;	400 feet 1 1/2 inches.....	17	14	14	15	40
Cotton.....	2,062 feet 2 3/4 inches;	400 feet 1 1/2 inches.....	105	14	1	20	5

STATEMENT OF THE KIND OF APPARATUS, CLASS, NUMBER OF MEN  
EACH COMPANY FOR THE FISCAL

COMPANY AND KIND OF APPARATUS.	Size of Apparatus	Number of Men in Company	Number of Horses in Company
Engine Co. No. 47—La France, double.....	Fourth.....	11	5
Engine Co. No. 48—American La France, double..... (Motor driven and Comb. wagon)	Second.....	11	0
Truck Co. No. 1—American La France (motor).....	First.....	12	0
Truck Co. No. 2—Seagrave (motor).....	First.....	12	0
Truck Co. No. 3—Hayes, straight frame.....	First.....	12	3
Truck Co. No. 4—Seagrave (motor).....	First.....	12	0
Truck Co. No. 5—Rumsey, trussed.....	First.....	12	3
Truck Co. No. 6—American La France (motor).....	First.....	12	0
Truck Co. No. 7—Seagrave, trussed frame.....	First.....	12	3
Truck Co. No. 8—Hooper, trussed frame.....	First.....	12	3
Truck Co. No. 9—Larkin, straight frame.....	Second.....	12	3
Truck Co. No. 10—Larkin, straight frame.....	Second.....	12	3
Truck Co. No. 11—Hayes, straight frame.....	Third.....	12	3
Truck Co. No. 12—Kenney, (motor).....	First.....	12	0
Truck Co. No. 13—American La France (motor).....	First.....	12	0
Chemical Co. No. 1—Champion, double, 80 gal.....	First.....	4	2
Chemical Co. No. 2—La France Motor, double 80.....	First.....	4	0
Chemical Co. No. 3—La France Motor, double 80.....	First.....	4	0
Chemical Co. No. 4—Champion, double 60 gal.....	First.....	4	2
Chemical Co. No. 5—La France Motor, double 80.....	First.....	4	0
Chemical Co. No. 6—Pope Hartford Motor, double 80.....	First.....	4	0
Chemical Co. No. 8—American La France combination chemical and hose wagon.....	First.....	4	0
Chemical Co. No. 9—Holloway, double 60 gal.....	First.....	4	2
Chemical Co. No. 10—Champion, double 60 gal.....	First.....	4	2
Chemical Co. No. 11—Champion, double 60 gal.....	First.....	4	2
Chemical Co. No. 12—Champion, double 100 gal.....	First.....	4	2
Chemical Co. No. 13—Ahrens Fox, double 80 gal. (motor driven).....	First.....	4	0
Water Tower 1—Gorter Tower.....	First.....	4	3
Water Tower 2—Gorter Tower.....	First.....	4	3
Monitor Battery 1—Gorter Battery.....	First.....	1	1
Monitor Battery 2—Gorter Battery.....	First.....	1	1
Monitor Battery 3—Gorter Battery.....	First.....	1	1
Fire Boat 1—With auto hose tender..... On hose tender.....	First.....	21	0
Fire Boat 2—With comb. hose and chemical.....	First.....	21	3
Fire Boat 3—.....	.....	4	..
Fire Boat 4—.....	.....	2	..

AND HORSES, ALARMS RESPONDED TO AND DUTY PERFORMED BY YEAR ENDING JUNE 30, 1916.

Kind.	Number of Feet and Size.	Number of Bell Alarms Responded to	Number of Fires Performed Duty at	Number of Still Alarms Responded to	Time Worked	
					Hours.....	Minutes.....
Cotton.....	2,000 feet 2 1/2 inches; 400 feet 1 1/2 inches.....	26	17	12	20	15
Cotton.....	2,000 feet 2 3/4 inches; 400 feet 1 1/2 inches.....	41	52	13	27	7
.....	.....	176	93	17	81	15
.....	.....	154	72	30	67	15
.....	.....	166	144	149	105	56
.....	.....	139	64	30	67	35
.....	.....	103	107	52	84	55
.....	.....	141	118	53	76	23
.....	.....	156	103	32	117	20
.....	.....	112	73	13	111	35
.....	.....	105	34	8	47	30
.....	.....	103	52	24	54	55
.....	.....	131	64	17	57	56
.....	.....	111	61	25	69	5
.....	.....	97	61	41	66	21
Cotton.....	200 feet 1 1/2 in. Rubber 300 feet 1 inch.....	125	126	113	79	10
.....	Rubber 300 feet 1 inch.....	119	110	52	72	20
.....	Rubber 300 feet 1 inch.....	86	50	39	37	49
.....	Rubber 300 feet 1 inch.....	127	179	160	116	56
.....	Rubber 300 feet 1 inch.....	105	62	45	58	43
.....	Rubber 300 feet 1 inch.....	83	120	136	79	18
Cotton.....	400 feet 1 1/2 in. Rubber 300 feet 1 inch.....	36	27	12	29	34
Cotton.....	2,000 feet 2 3/4 in. Rubber 600 feet 1 inch.....	108	73	45	42	50
.....	Rubber 300 feet 1 inch.....	33	34	27	26	30
.....	Rubber 300 feet 1 inch.....	160	108	49	71	.....
.....	Rubber 300 feet 1 inch.....	20	20	18	24	15
.....	Rubber 300 feet 1 inch.....	98	65	35	45	15
.....	.....	128	0	0	0	0
.....	.....	108	0	0	0	0
.....	.....	159	6	0	10	25
.....	.....	120	6	0	10	10
.....	.....	53	1	0	2	15
Cotton.....	3,000 feet 3 1/2 inches; 1,100 feet 1 1/2 inches.....	48	8	5	99	10
Cotton.....	2,750 feet 3 1/2 inches; 200 feet 1 1/2 inches.....	.....	.....	.....	.....	.....
Cotton.....	2,950 feet 3 1/2 inches; 950 feet 1 1/2 inches.....	69	33	23	41	35
Cotton.....	5,450 feet 3 inches.....	.....	.....	.....	.....	.....

## FIRE COMMISSIONERS

## NEW COMPANIES.

The only new company that was put in service during the year was Hook-and-Ladder Co. 13, which was installed in the new fire house at Drumm and Commercial streets.

## NEW BUILDINGS.

During the past year the following new buildings were completed and accepted and are now occupied by companies of the department.

Two-story class "C" building at Drumm and Commercial streets for Engine Co. 12 and Truck Co. 13, with headquarters for Battalion Chief.

Two-story class "C" building on Post street between Polk and Larkin for Engine Co. 3 and Chemical Co. 6.

Two-story class "C" building on Powell street between Pacific and Broadway for Engine Co. 5 and Hook-and-Ladder Co. 2, with headquarters for a Battalion Chief.

During the year contracts have been awarded for the construction of the following buildings which are now in course of construction:

Two-story class "C" building on Howard street between New Montgomery and Third streets for Engine Co. 4, Water Tower Co. 1 and Chemical Co. 1. Contract price \$30,264.

Two-story class "C" building on Mint avenue near Fifth street for Engine Co. 17. Contract price, \$30,330.

Two-story class "O" building on Pacific avenue between Polk and Van Ness avenue for Engine Co. 8 and Hook-and-Ladder Co. 4. Contract price, \$29,559.

## HYDRANTS.

The department has now 4,430 hydrants connected to the mains of the Spring Valley Water Company. During the year 44 of such hydrants were taken out and discontinued, fifteen old style hydrants were replaced by new 5-inch, and 116 new hydrants were installed. In addition to the above there are twenty-nine salt water hydrants that are supplied by the Olympic Salt Water Co.

There are also 889 high pressure hydrants and 141 street water cisterns connected with the auxiliary high pressure water system, which constitute an important factor in fire protection purposes and which has been resorted to most advantageously during the past year on many occasions.

## DEPARTMENT STABLES.

There are at present 307 horses in the department, which is a decrease of forty-two in number from what the department possessed last year, owing to the installation of motor driven apparatus. This number includes the horses used for relief purposes and six condemned horses that have been turned out on pasture. Thirty-four horses were condemned during the year, of which eight were destroyed, one died while out on pasture, fifteen were transferred to other departments of the municipality, six sold at public auction and four placed out on pasture. Four horses died of various diseases, two were killed on account of incurable diseases and two were killed by a street car accident. For the first time in a number of years no additional horses were purchased by the department.

## APPOINTMENTS, DISMISSALS, ETC.

During the past year sixty-two appointments were made to the uniform force of the department, fifteen resignations accepted and three members dismissed from the service for cause. There were also fourteen promotions made to higher rank in the department.



## DEATHS.

The following deaths occurred amongst the members of the department during the year:

John Titus, Driver Engine Co. 16, July 2, 1916, of chronic myocarditis.

Albert Bernston, Lieutenant Engine Co. 32, August 22, 1915, of garcinoma of the sotmach.

Frank McCluskey, Lieutenant Truck Co. 12, September 11, 1915, perforation of stomach following operation.

David Burke, Driver Engine Co. 10, September 30, 1915, of tuberculosis of throat.

Dennis J. Mulcahy, Hoseman Engine Co. 21, November 7, 1915, from shock caused by burns while working at a fire.

Delbert D. Daley, Driver Engine Co. 44, December 2, 1915, from gunshot wound.

Thomas Magner, Captain Engine Co. 20, January 7, 1916, from heart disease.

Thomas P. Jones, Hoseman Engine Co. 18, February 15, 1916, of pulmonary tuberculosis.

Joseph Corwell, Driver Truck Co. 2, June 11, 1916, from injuries received while responding to an alarm of fire.

## RETIRED ON PENSION.

The following members of the department were retired from active service during the year:

John F. Buker, Truckman Truck Co. 4, retired August 1, 1915, for physical disability.

Charles Neil, Hoseman Engine Co. 36, retired August 1, 1915 for physical disability.

Emile Gouvi, Hoseman Engine Co. 36, retired August 1, 1915, for physical disability.

Daniel J. Riordan, Hoseman Engine Co. 36, retired August 1, 1915, for physical disability.

Joseph F. Thompson, Hoseman Fire Boat Co. 1, retired July 16, 1915, for physical disability.

Henry H. Casey, Truckman Truck Co. 6, retired August 4, 1915, for full time of service.

William J. Hart, Hoseman Engine Co. 48, retired August 4, 1915, for physical disability.

Joseph Morse, Hoseman Engine Co. 32, retired August 4, 1915, for physical disability.

P. J. Creede, Lieutenant Truck Co. 1, retired August 4, 1915, for physical disability.

William Schultz, Captain Truck Co. 11, retired October 1, 1915, for full time of service.

James Koopman, Hoseman Engine Co. 3, retired October 1, 1915 for physical disability.

N. N. Mathewson, Sr., Lieutenant Engine Co. 33, retired November 16, 1915, for full time of service.

Thomas R. Walsh, Hoseman Engine Co. 33, retired November 16, 1915, for full time of service.

John T. Finnigan, Hoseman Engine Co. 33, retired November 16, 1915, for full time of service.

Patrick D. Hughes, Engineer Engine Co. 39, retired December 1, 1915, for physical disibility.

Daniel Coughlin, Hoseman Engine Co. 31, retired January 1, 1916, for full time of service.

Martin Burns, Hoseman Engine Co. 8, retired January 1, 1916, for full time of service.

Edward McDermott, Hoseman Engine Co. 22, retired April 3, 1916, for physical disability.

W. E. Gallatin, Sr., Captain Chemical Co. 5, retired April 13, 1916, for full time of service.

Thomas J. Coogan, Engineer Engine Co. 27, retired May 11, 1916, for full time of service.

John T. O'Donnell, Truckman Truck Co. 9, retired May 11, 1916, for physical disability.

William Shackleton, Driver Truck Co. 4, retired June 1, 1916, for full time of service.

James P. Britt, Battalion Chief, retired June 8, 1916, for physical disability.

Hugh P. Powers, Captain Chemical Co. 10, retired June 8, 1916, for full time of service.

#### RECOMMENDATIONS.

I would recommend that new building sites be procured for the department at the following locations:

Lot in the vicinity of Twenty-fourth and Utah streets for Engine Co. 37 and Hook-and-Ladder Co. 9. These companies at present are occupying rented quarters at a cost to the department of \$100 per month.

Lot in the vicinity of Eighteenth and Eureka streets for a hook-and-ladder truck company and a high pressure system hose wagon.

I would also recommend the erection of buildings on site herein recommended for purchase as follows:

Two-story class "C" building in the vicinity of Twenty-fourth and Utah streets for Hook-and-Ladder Co. 9 and Engine Co. 37.

Two-story class "C" building in the vicinity of Jones and Clay streets for a truck and chemical company.

In addition to the above I would recommend the purchase of a lot in the vicinity of Twenty-first and Tennessee streets and the erection of a two-story class "C" building thereon as a headquarters for the Battalion Chief of that district and also quarters for Engine Co. 16 and a new truck company. The present quarters now occupied by Engine Co. 16 and the Battalion Chief are entirely inadequate and do not afford proper accommodations for the members stationed there.

I would also recommend the establishment of an additional hook-and-ladder truck company, to be known as Truck Co. 14, to be stationed in the above proposed quarters as this district, which is a large manufacturing one, is urgently in need of this class of fire apparatus.

Some of the companies of the department are now housed in buildings that are totally unfit for habitation by the members of the department, the same being old frame structures that are without proper accommodations, and in many instances are insanitary. More modern buildings are required for the use of these companies and I therefore make the following recommendations thereon:

Two-story class "C" building for Engine Co. 9 and a high pressure water system hose wagon on Main street near Folsom.

Building for Truck Co. 3, Chemical Co. 4 and a Battalion Chief's headquarters on the civic center site.

Two-story class "C" building for Truck Co. 5 and Chemical Co. 2 on Post street near Fillmore. I would also recommend the placing of a straight hose wagon (motor propelled) with turret nozzle equipment in these quarters.

I would further recommend the establishment in the near future of a truck company and a high pressure system hose wagon at Eighteenth and Eureka streets and a chemical company in the vicinity of Clay and Jones streets.

I recommend the purchase of the following motor propelled fire apparatus during the ensuing fiscal year: Five straight chemicals for service in Chemical Companies Nos. 4, 9, 10 and 12 and the additional one for relief purposes. One city service hook-and-ladder truck and four-wheel tractors for Truck Companies 3, 5, 7, 8 and 9. Four run-abouts for the use of Battalion Chiefs and 10,000 feet of 2 $\frac{3}{4}$ -inch fire hose.

I would also recommend that the following Engine Companies be converted into motor propelled apparatus at the earliest date possible: Engine Companies 1, 2, 13, 15, 30, 33, 34 and 37.

I would further suggest the following items, the cost of which to be taken from the maintenance fund for the fiscal year:

Five thousand dollars for alteration to the water towers so as to safely accommodate the same to the use of the high pressure water system. Eight thousand dollars for the construction of gas generators for use in the extinguishing fires in the holds of vessels; and five thousand dollars for the purchase of twenty-five reducing valves for the high pressure water system.

I also recommend the installation of at least fifty additional street water cisterns for fire protection purposes, to be located in sections of the city that are not now covered by the mains of the Spring Valley Water Company or those of the high pressure water system.

In this connection I would advocate the conversion of the excavation in Howard street at its intersection with Tenth street, which was formerly used by the street railroad company, into a cistern of from 800,000 to 900,000 gallons capacity. This could be accomplished at a comparatively small expense.

In order to afford sufficient water for fire protection purposes in outlying districts which are practically without such protection at the present time I will again renew my recommendations as follows:

That in the Oceanside District, south of Golden Gate Park, a connection be made with the pipe system from the pumps supplying Lake Metson in said park by running a 12-inch main from the same through the Park to connect to the cistern installed at Forty-seventh avenue and Judah street and thence running through intersecting streets to Forty-ninth avenue and Pacheco street. By this means the cistern could be more rapidly filled when required. Hydrants could be connected to this main at desirable points, which, after their installation, could be maintained without any additional cost to the city.

For the protection of that portion of the Sunset and Richmond Districts that are now lacking in water supply I would recommend that a reservoir of 5,000,000 gallons capacity be constructed at a suitable elevation in the Sunset District to supply the higher levels in that and the Richmond District and that suitable mains be laid to cover that entire district and crossing the Park to the Richmond District. The water to supply this area could be piped from the Clarendon Heights reservoir. If this were accomplished the serious problem of providing sufficient water for fire protection purposes in that portion of the city would be overcome, as the entire Sunset and a portion of the Richmond District would have an independent water supply amply sufficient for all purposes.

I would also suggest that a 12-inch pipe connection be made with the reservoir in Golden Gate Park at Grove and Stanyan streets and that hydrants be connected thereto on Stanyan and Fulton streets, as the Spring Valley Water Company's pressure is very low in that particular location.

In the district west of Thirty-second avenue and along Geary street I would recommend that a reservoir of 3,000,000 gallons capacity be constructed in Lincoln Park, to be supplied from the 10-inch main which the Park Commission has installed in Thirty-ninth avenue from Golden Gate Park to Lincoln

Park. The water to supply this reservoir could be obtained from the Murphy windmill in Golden Gate Park. If this arrangement could not be carried out a salt water supply could be obtained by the city running a main from the Olympic Salt Water Company's main on Geary street to the reservoir and having the water pumped thereto. Mains from the reservoir could be extended along Lake and Clement streets, thus insuring a sufficient supply and adequate pressure of water for fire protection purposes in the west Richmond district. Hydrants could be installed at available points along the line of these mains.

I would recommend that pipe connections be made to the large public water tank in the Mission Park at Nineteenth and Angelica streets, which would make this large amount of water available for fire purposes in case of necessity.

I would also recommend the extension of the fire limits so as to take in both sides of Sacramento street from Stockton street to Van Ness avenue; both sides of Van Ness avenue from Sacramento street to Golden Gate avenue; both sides of Golden Gate avenue from Van Ness avenue to Gough street; both sides of Gough street from Golden Gate avenue to Market street; thence along the center line of Market street to the intersection of Market and Guerrero streets; thence along the center line of Guerrero street to the intersection of the center line of Guerrero and Fourteenth streets; thence along the center line of Fourteenth street to the center of the intersection of Fourteenth and Valencia streets; thence along the center line of Valencia street to a point midway in the center of the block on Valencia street between Sixteenth and Seventeenth streets; thence easterly and parallel with Sixteenth street to the center line of Howard street; thence along the center line of Howard street northerly and easterly to the center line of Howard and Sixth streets.

I again renew my recommendation to extend the district in which is operated the street signal gong system warning traffic to cease on the approach of fire apparatus while responding to alarms of fire. This system is now in successful operation in Market street from Second to Sixth street and I favor the extension of the same from First to Ninth on Market street, also on Montgomery and Kearny streets from Market to California, Grant avenue from Market to Bush, Stockton street from Market to Post, Powell street from Market to Post and on First, Second, Third, Fourth, Fifth and Sixth streets from Market to Howard.

I would recommend that the mains of the high pressure auxiliary water system be extended along the following streets as soon as possible: Pacific avenue from Divisadero to Lyon, Baker street from Pacific avenue to Union street; Fillmore street from Pacific avenue to Filbert, Laguna street from Pacific avenue to Filbert, Sacramento street from Divisadero to Arguello Boulevard, Arguello Boulevard from Sacramento to Clement, Clement street from Arguello Boulevard to Twelfth avenue, Twenty-second street from Harrison to Wisconsin, Hyde street from California to Bay, Laguna street from Pacific avenue to Market street, Castro street from Eighteenth to Twenty-fifth street.

I desire to call attention to the fact that the large body of water known as Mountain Lake, which is situate on Government land in the upper part of the Richmond District, would be available for use in case of fire in that vicinity if an approach to the lake were built so as to allow our engines to reach the same for draughting purposes. I have been assured by the proper Government authorities that permission to use this water for that purpose would be granted. I would therefore recommend that steps be taken to have this runway or approach to the lake built.

I would also recommend that at least five hundred fire alarm boxes of the keyless door type be installed in different parts of the city and that the Department of Electricity proceed as soon as possible to place its entire wire system underground, as this would insure greater safety to the fire alarm system and less danger of wire trouble to the lines.

I would again urge the necessity of establishing a Bureau of Fire Prevention in connection with the department. The object of this bureau would be to minimize as much as possible the causes and conditions that are chiefly responsible for fires occurring and the safeguarding of the inmates of buildings, etc., by seeing that all ordinances pertaining to exits, fire escapes, etc., are strictly observed. This bureau should be under the immediate jurisdiction of one of the officers of the department, to whom all reports of violations of the fire ordinances should be referred for proper action. To properly carry out the work of this bureau will necessitate the personal inspection of all buildings in their respective districts by the Assistant Chiefs, Battalion Chiefs and Captains and Lieutenants of companies. Diagrams or drawings should also be made of all large mercantile and manufacturing establishments showing the location of all exits, fire escapes, stairways, elevator shafts, hose reels, standpipes, etc. Bureaus of a similar nature have been in operation in some of the larger eastern cities for some time and from reports received have proved most valuable adjuncts to the fire departments thereof. I therefore most urgently recommend that immediate steps be taken for the organization of such a bureau in this department as I feel confident that better results from a fire prevention point of view will result therefrom.

In view of the rapid conversion of the apparatus of the department from horse drawn to motor propelled, I believe that it will soon be necessary that steps be taken relative to a survey of the city from a fire protection point of view with the ultimate object of a relocation of the fire stations throughout the city which this change will naturally require. The curtailment in time consumed in responding to alarms of fire by this latter style of apparatus and the greater amount of territory that can be more efficiently covered will undoubtedly necessitate the redistricting of the city with a view to changing the locations of some of the companies of the department in order that the entire city may be more efficiently covered by the apparatus at the least possible cost. I would therefore recommend that this important matter be given the careful consideration it merits.

In view of the fact that the fire prevention and fire protection features of the recent Panama-Pacific International Exposition were under the supervision of this department during the period of the construction and operation of the Exposition, I deem it fitting to submit a brief summary of the services performed by that department, inasmuch as the same was officered and principally composed of regular members of this department.

The fire fighting force consisted of three engine companies, two truck companies, one chemical company and a flying squadron, consisting in all of ninety men when operated with the full equipment and but eighty men at the time of the close of the exposition. Forty-four alarms of fire were responded to by these companies while the exposition was under course of construction and prior to its formal opening, 62 alarms within the grounds and 4 outside during its progress, making a total of 110 alarms up to the time of its termination. The financial loss from fire during the construction period and the operation of the exposition, extending over a period of several years, did not exceed the sum of \$250, which taking into consideration the exposed condition of the site and the inflammable nature of the buildings consisting of 443 structures, all frame with the exception of two, and covering a space of 635 acres, is remarkable to this department and the fire prevention methods adopted, more so in view of the fact that the losses from fire at the last two international expositions, namely St. Louis and Chicago, were \$100,000 and \$478,000 respectively, while these two expositions were in operation for but six months as against nine and one-half months for the recent exposition.

In conclusion I desire to extend my sincere thanks to your Honorable Board for the active and untiring interest always manifested by you in matters

pertaining to the efficiency and advancement of the department, and I also desire to express my thanks and appreciation to the officers and members of the department for the commendable manner in which they have performed their required duties during the past fiscal year.

To his Honor, the Mayor, the heads of the different departments of the municipality, the Chief of Police and the members of his force, Fire Marshal Towe and Superintendent Comstock of the Underwriters Fire Patrol, Chief Barry of the Department of Electricity, City Engineer O'Shaughnessy and his assistants and the attaches of the Architects office I also desire to extend my thanks in appreciation of the valuable assistance they have rendered this department whenever the opportunity presented itself.

Respectfully submitted,

THOS. R. MURPHY,  
Chief Engineer, S. F. F. D.

# Report of the Board of Fire Pension Fund Commissioners

San Francisco, July 22, 1916.

Hon. James Rolph, Jr.,

Mayor of the City and County of San Francisco, California.

Sir:—In compliance with the provisions of Article XVI, Section IX, of the Charter of the City and County of San Francisco, the Board of Fire Pension Fund Commissioners herewith present and submit their report for the fiscal year ending June 30th, 1916.

## ORGANIZATION.

The Board of Fire Pension Fund Commissioners as now constituted consists of four members and a secretary, namely:

FRANK C. SYKES.....	Term expires January 8th, 1917
JOHN T. FOGARTY.....	Term expires January 8th, 1918
TILLMAN R. HERRING.....	Term expires January 8th, 1919
JOHN F. DAVIS.....	Term expires January 8th, 1920
H. L. KEEFE.....	Secretary

During the year the following named members of the Fire Department were retired on pension, under the provisions of Article 9, Chapter 7, Section 3 of the Charter, namely:

Emile Gouvi, Hoseman, Engine Company No. 36. Pensioned July 13th, effective August 1st, 1915.

Henry H. Casey, Truckman, Truck Company No. 6. Pensioned August 3rd, effective August 4th, 1915.

William Schultz, Captain Truck Company No. 11. Pensioned September 29th, effective October 1st, 1915.

Thomas Walsh, Hoseman, Engine Company No. 33. Pensioned November 11th, effective November 15th, 1915.

N. N. Mathewson, Lieutenant, Engine Company No. 33. Pensioned November 11th, effective November 15th, 1915.

John Finnigan, Hoseman, Engine Company No. 33. Pensioned November 11th, effective November 15th, 1915.

Daniel J. Coughlin, Hoseman, Engine Company No. 31. Pensioned December 16th, 1915, effective January 1st, 1916.

Martin Burns, Hoseman, Engine Company No. 8. Pensioned December 16th, 1915, effective January 1st, 1916.

Wills E. Gallatin, Captain, Chemical Engine No. 5. Pensioned April 13th, effective May 16th, 1916.

Thomas Coogan, Engineer, Engine Company No. 27. Pensioned May 11th, effective May 16th, 1916.

William Shackleton, Driver, Truck Company No. 4. Pensioned June 1st, effective June 2nd, 1916.

Hugh P. Powers, Captain, Chemical Company No. 10. Pensioned June 8th, effective July 1st, 1916.

William Crowhall, Hoseman, Engine Company No. 18. Pensioned June 29th, effective July 1st, 1916.

Maurice Cunningham, Truckman, Truck Company No. 9. Pensioned June 29th, effective July 1st, 1916. (Pensioned under Section 4.)

## FIRE COMMISSIONERS

During the year the following named members of the Fire Department were pensioned for disability, under the provisions of Article 9, Chapter 7, Section 4, namely:

John Buker, Truckman, Truck Company No. 4. Pensioned July 6th, effective August 1st, 1915.

Charles Neil, Hoseman, Engine Company No. 30. Pensioned July 6th, effective August 1st, 1915.

D. J. Riordan, Hoseman, Engine Company No. 36. Pensioned July 13th, effective August 1st, 1915.

Percy J. Creede, Lieutenant, Truck Company No. 1. Pensioned August 3rd, effective August 4th, 1915.

William J. Hart, Hoseman, Engine Company No. 48. Pensioned August 3rd, effective August 4th, 1915.

Joseph Morse, Hoseman, Engine Company No. 32. Pensioned August 3rd, effective August 4th, 1915.

James Koopman, Hoseman, Engine Company No. 3. Pensioned October 5th, effective October 6th, 1915.

Patrick D. Hughes, Engineer, Engine Company No. 39. Pensioned November 26th, effective December 1st, 1915.

Edward McDermott, Hoseman, Engine Company No. 22. Pensioned April 3rd, effective April 4th, 1916.

John T. O'Donnell, Truckman, Truck Company No. 9. Pensioned May 11th, effective May 16th, 1916.

James P. Britt, Battalion Chief. Pensioned June 8th, effective July 1st, 1916.

During the year the following widows and parents of firemen were pensioned under the provisions of Article 9, Chapter 7, Section 5, namely:

Mrs. Addie Ellenberger, widow of Frederick A. Ellenberger. Pensioned July 6th, effective from July 1st, 1915.

Mrs. William King, widow of William King. Pensioned August 3rd, effective from August 1st, 1915.

Henrietta Titus, widow of John Titus. Pensioned October 11th, effective from July 2, 1915, the date of death of John Titus.

Mrs. Julia Mulcahy, mother of Dennis Mulcahy, who was killed in the discharge of duty on November 7th, 1915. Pensioned November 11th, effective from November 8th, 1915.

Mrs. Mary Magner, widow of Thomas Magner. Pensioned May 11th, effective from March 3rd, 1916, the date of application of Mrs. Magner for a pension.

Mrs. Helen E. Corwell, widow of Joseph Corwell. Pensioned June 29th, effective from June 12th, 1916, the date of death of Joseph Corwell.

Mrs. Nellie Jones, widow of Thomas P. Jones. Pensioned July 6th, effective from June 8th, 1916.



## FIRE COMMISSIONERS

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## LIST OF PENSIONERS JULY 1st, 1915, TO JUNE 30th, 1916.

NAME.	Pension Effective.	Amount per Quarter.
Bell, Charles .....	February 14, 1892.....	\$135.00
O'Neil, John .....	April 23, 1892.....	135.00
Fleming, P. H. ....	October 29, 1892.....	210.00
Finn, D. A. ....	January 14, 1893.....	135.00
Robinet, H. J. ....	July 28, 1894.....	135.00
O'Sullivan, Edward .....	September 14, 1899.....	135.00
Murphy, John J. ....	November 9, 1899.....	210.00
Desmond, Felix P. ....	November 16, 1899.....	135.00
Sweeny, Mrs. Jennie .....	July 1, 1900.....	120.00
Crummy, John T. ....	November 1, 1900.....	120.00
Wolf, Joseph .....	January 10, 1901.....	120.00
Barry, Patrick .....	April 1, 1901.....	150.00
McGibbon, James A. ....	March 6, 1903.....	150.00
Mahoney, John J. ....	June 1, 1902.....	180.00
Nagle, Mrs. Eliza J. ....	September 1, 1902.....	150.00
Heffernan, Mrs. Marion .....	October 1, 1902.....	150.00
Cumisky, James .....	November 1, 1902.....	150.00
Browne, Robert T. ....	April 1, 1903.....	180.00
Bearwald, Mrs. Ray .....	June 1, 1903.....	150.00
Holmes, Mrs. Mary .....	December 1, 1903.....	180.00
Sawyer, Robert H. ....	June 1, 1904.....	180.00
Harrington, Mrs. Emma .....	October 1, 1904.....	150.00
Dougherty, Mrs. Sarah .....	October 1, 1904.....	168.75
Allen, John .....	January 1, 1906.....	150.00
Ewing, George .....	January 1, 1906.....	180.00
Sullivan, Mrs. Jennie .....	February 1, 1906.....	150.00
Dakin, Mrs. Francis .....	February 1, 1906.....	180.00
Hennessy, Mrs. Nellie .....	February 1, 1906.....	150.00
Reilly, J. W. ....	April 30, 1906.....	225.00
Kenny, John .....	April 30, 1906.....	180.00
O'Neill, Mrs. Mary .....	May 11, 1906.....	135.00
Sullivan, Mrs. Margaret .....	May 18, 1906.....	499.95
Smith, Mrs. Nora .....	September 7, 1906.....	135.00
Lennon, Edward P. ....	November 1, 1906.....	150.00
Woods, Gabriel .....	December 1, 1906.....	150.00
Harrison, David .....	January 1, 1907.....	180.00
Stevens, Joseph .....	January 16, 1907.....	150.00
Boyson, George M. ....	March 1, 1907.....	150.00
O'Brien, Maurice J. ....	July 1, 1907.....	150.00
Fernandez, T. M. ....	July 1, 1907.....	262.50
Canty, Thomas .....	July 1, 1908.....	180.00
Carew, George .....	August 16, 1908.....	232.50
Wells, George F. ....	July 16, 1908.....	180.00
Franks, Mrs. Nellie .....	August 1, 1908.....	150.00
Balk, Stephen S. ....	November 1, 1908.....	180.00
Kelly, William E. ....	December 1, 1908.....	232.50
Donnelly, Bernard .....	January 1, 1909.....	180.00
Lyons, Mrs. Teresa .....	March 5, 1909.....	180.00
Schmidt, Henry .....	April 16, 1909.....	232.50
Garety, Mary I.* .....	July 1, 1909.....	180.00
Ford, John J. ....	July 1, 1909.....	180.00
Cuneo, Rinaldo .....	July 1, 1909.....	180.00
Waters, William D. ....	January 16, 1910.....	337.50
Shaughnessy, Patrick H. ....	March 16, 1910.....	624.99
McKittrick, Edward F. ....	March 16, 1910.....	337.50
Riley, Mrs. Maria .....	June 4, 1909.....	150.00
McCarthy, Mrs. Mary .....	March 16, 1910.....	180.00
Roberts, Mrs. Helena M. ....	April 2, 1910.....	180.00
Mitchell, John .....	July 1, 1910.....	180.00
Florence, Alfred .....	July 1, 1910.....	180.00
Banker, August .....	July 1, 1910.....	180.00
Horn, Henry F. ....	July 1, 1910.....	337.50
Reimers, J. ....	July 1, 1910.....	180.00
Hayden, Mrs. Sarah .....	July 1, 1910.....	180.00
Smith, Charles F. ....	July 8, 1910.....	180.00
Gorter, Henry H. ....	August 1, 1910.....	337.50

\* Garety-Conlin, Mrs. Mary I, guardian for Johnson Minors.

## LIST OF PENSIONERS JULY 1st, 1915, TO JUNE 30th, 1916—Contd.

NAME.	Pension Effective.	Amount per Quarter.
Wright, Mrs. Anna .....	April 4, 1910.....	180.00
Dougherty, Gabrielle .....	May 1, 1911.....	150.00
Connell, Cornelius .....	August 1, 1911.....	180.00
Casebolt, William S. ....	July 16, 1911.....	210.00
Buckley, Mrs. Anna .....	June 1, 1911.....	180.00
Wilkinson, Mrs. Hannah .....	August 1, 1911.....	135.00
Henrikson, Albert .....	March 1, 1912.....	180.00
Ahearn, Mrs. Teresa .....	March 18, 1912.....	180.00
Pendergast, John .....	April 2, 1912.....	213.75
Barbetta, Nicholas .....	May 1, 1912.....	180.00
Miskel, Mrs. Minnie .....	June 26, 1912.....	232.50
Raffestin, Mrs. Jessie .....	January 6, 1912.....	180.00
McCluskey, John .....	July 1, 1912.....	337.50
Farley, Mrs. Annie .....	September 1, 1912.....	337.50
Sawyer, Joseph .....	July 1, 1912.....	150.00
Currier, Ben F. ....	July 1, 1912.....	180.00
Dolan, M. J. ....	August 1, 1912.....	450.00
Hall, Mrs. Mary B. ....	August 1, 1912.....	210.00
Rapp, Mrs. G. ....	August 23, 1912.....	150.00
Roebing, Wm. A. ....	November 1, 1912.....	180.00
Brown, Matthew .....	November 1, 1912.....	180.00
Thompson, Jos. F.† .....	December 1, 1912.....	165.00
Ballantine, Lawrence .....	January 1, 1913.....	180.00
Wonderlich, Wm. ....	January 1, 1913.....	180.00
Hewitt, Chas. F. ....	January 18, 1913.....	210.00
Holmes, Howard .....	April 22, 1913.....	213.75
McDonald, George .....	July 1, 1913.....	180.00
Wills, John .....	July 1, 1913.....	337.50
Arata, Guiseppe and Rosa (Parents of John Arata).....	July 1, 1913.....	180.00
Castillo, Leo M. ....	July 7, 1913.....	180.00
Barricks, Louis H. ....	August 1, 1913.....	210.00
O'Brien, Michael .....	November 1, 1913.....	337.50
Murphy, Edward J. ....	November 1, 1913.....	180.00
Kennard, Samuel E. ....	January 1, 1914.....	232.50
Tyrrell, Jas. J. ....	January 1, 1914.....	180.00
Gerlach, Frederick C. ....	January 1, 1914.....	180.00
Giro, Mrs. Margaret E. ....	February 1, 1914.....	180.00
Jordan, Frank .....	February 1, 1914.....	180.00
Dever, J. H. ....	March 1, 1914.....	232.50
Lavaroni, John .....	April 1, 1914.....	213.75
Rogers, Chas. B. ....	May 1, 1914.....	180.00
Meacham, Mrs. L. V. ....	July 1, 1914.....	213.75
Niefer, Mrs. Teresa C. ....	July 6, 1914.....	180.00
Allen, R. J. ....	August 1, 1914.....	213.75
O'Connor, Eugene.....	August 1, 1914.....	232.50
Dugan, P. F. ....	September 4, 1914.....	232.50
Conniff, James .....	September 18, 1914.....	232.50
O'Neil, Mrs. Margaret .....	October 1, 1914.....	232.50
O'Connell, Mrs. Mary E. ....	October 1, 1914.....	210.00
Carew, Mrs. Sarah .....	October 1, 1914.....	232.50
Conroy, Mrs. Delia.....	February 1, 1915.....	232.50
Brownell, Claude .....	May 1, 1915.....	213.75
Ellenberger, Mrs. Addie.....	July 6, 1915.....	232.50
Buker, John .....	July 6, 1915.....	180.00
Neil, Charles .....	July 6, 1915.....	180.00
Gouvi, Emile .....	July 13, 1915.....	180.00
Riordan, D. J. ....	July 13, 1915.....	180.00
King, Mrs. William.....	August 3, 1915.....	150.00
Morse, Joseph .....	August 3, 1915.....	180.00
Casey, Henry H. ....	August 3, 1915.....	180.00
Hart, Wm. J. ....	August 3, 1915.....	180.00

† Joseph F. Thompson, returned to active duty in the Department May 1st, 1915, was restored to the pension list, as his disability still existed.

## LIST OF PENSIONERS JULY 1st, 1915, TO JUNE 30th, 1916—Contd.

NAME.	Pension Effective.	Amount per Quarter.
Schultz, Wm. ....	September 29, 1915.....	232.50
Koopman, James .....	October 5, 1915.....	180.00
Titus, Mrs. Henrietta † .....	October 11, 1915.....	180.00
Mulcahy, Mrs. Julia .....	November 11, 1915.....	180.00
Walsh, Thomas R. ....	November 11, 1915.....	180.00
Matthewson, N. N. ....	November 11, 1915.....	213.75
Finnigan, John T. ....	November 11, 1915.....	180.00
Hughes, P. D. ....	November 26, 1915.....	210.00
Coughlin, D. J. ....	December 16, 1915.....	180.00
Burns, Martin .....	December 16, 1915.....	180.00
McDermott, Edward .....	April 3, 1916.....	180.00
Gallatin, Wills E. ....	April 13, 1916.....	232.50
Coogan, Thomas J. ....	May 11, 1916.....	210.00
O'Donnell, John T. ....	May 11, 1916.....	180.00
Magner, Mrs. Mary .....	May 11, 1916.....	232.50
Shackleton, William .....	June 1, 1916.....	180.00
Corwell, Mrs. Helen E. ....	June 29, 1916.....	180.00
Crowhall, William .....	June 29, 1916.....	180.00
Britt, James P. ....	June 8, 1916.....	337.50
Powers, Hugh P. ....	June 8, 1916.....	232.50
Jones, Mrs. Nellie .....	June 8, 1916.....	180.00

† Titus, Mrs. Henrietta. M. J. White is the Trustee in charge of the distribution of this pension.

During the year the following deaths occurred:

Thomas Barry.....	Died July 15, 1915
Louis Kiehl.....	Died July 10, 1915
John Fay.....	Died July 9, 1915
James Grady.....	Died Nov. 2, 1915
Hugh McCue.....	Died Jan. 21, 1916
Michael Ryan.....	Died Jan. 24, 1916
Percy J. Creede.....	Died April 18, 1916
Wm. A. Serens.....	Died May 11, 1916

## APPROPRIATIONS AND EXPENDITURES.

Appropriated by the Board of Supervisors July 1, 1915.....	\$105,000.00
Surplus from Fiscal Year 1914-15.....	1,512.87
Total .....	\$106,512.87

## PENSIONS PAYABLE.

First Quarter ending September 30, 1915.....	\$25,247.69
Second Quarter ending December 31, 1915.....	26,904.34
Third Quarter ending March 31, 1916.....	27,315.69
Fourth Quarter ending June 30, 1916.....	27,861.29
Salary of Secretary, Printing, Stationery, etc.....	600.00
	107,929.01

Respectfully submitted,

H. L. KEEFE,

Secretary, Board of Fire Pension Fund Commissioners.

# Report of Civil Service Commissioners

San Francisco, July 31, 1916.

To His Honor, the Mayor.

Sir:

In accordance with the provisions of Section 9, Article XVI of the Charter, the Civil Service Commissioners present herewith a report of the operations of their department for the fiscal year ended June 30, 1916.

During said fiscal year the Commission held fifty-two regular meetings and one hundred and ten special meetings. The applications of one hundred and fifty-two laborers were registered, and twenty examinations were held in which a total of twenty-three hundred and sixty-three applicants were examined.

The following is a schedule of the examinations held:

Name of Examination	Date 1915	Filed	Examined	Passed	Failed
Inspectors of Streets and Sewers.....	July 24	70	64	11	53
Waiters .....	Aug. 2	8	8	5	3
Waitresses .....	Aug. 2	10	10	5	5
Kitchen Helpers.....	Aug. 2	5	5	2	3
Tenement House Inspectors.....	Aug. 4	123	106	2	104
Batterymen .....	Aug. 11	27	27	20	7
Superintendent of Fire Engines, Fire Department.....	Aug. 18	19	13	1	12
Superintendent of High Pressure System, Fire Department.....	Aug. 19	10	8	6	2
Copyists .....	Oct. 30	59	55	16	39

## 1916

Corporals of Police.....	Jan. 8	379	358	97	261
Sergeants of Police.....	Feb. 5	39	38	30	8
Chauffeurs .....	Feb. 11	347	327	45	282
Lieutenants of Police.....	Mar. 4	53	51	(a)	(a)
Janitors .....	Mar. 9	1308	1222	(a)	(a)
Captains of Police.....	April 1	9	9	(a)	(a)
Photographers .....	April 6	8	7	2	5
Photostat Operators.....	April 13	4	4	3	1
Blueprinters .....	April 20	9	8	2	6
Chief Sanitary Inspector.....	May 10	11	11	3	8
Stenographer-typewriters (male).....	May 18-19	35	32	10	22

(a) Rating of papers not yet completed.

The scopes of the foregoing examinations were as follows:

Inspectors of Streets and Sewers:

Subject.	Weight.
Arithmetic and Mensuration.....	20
Elements of Plane Surveying and Leveling.....	10
Specifications and Materials of Construction.....	35
General Knowledge of Duties.....	20
General Experience .....	10
Local Experience .....	5
Total weight .....	100

Tenement House Inspectors:

Personality and Fitness (including experience, education, personal history, habits, age, address, appearance and bearing).....	30
General Knowledge of Duties.....	35
Writing of Reports.....	20
Arithmetic .....	15
Total weight .....	100

Batterymen:

Experience .....	25
Physical Fitness .....	25
General Knowledge of Duties.....	35
Writing of Report.....	15
Total weight .....	100

Superintendent of Fire Engines, Fire Department:

Personality and Fitness (including education, personal history, habits, age, physical appearance and address).....	15
Experience .....	25
Knowledge of the strength of materials, distribution of metals, application of materials of construction, and mathematical calculations .....	10
Knowledge of combustion motors, their design, construction, operation, repairs, adjustment, and maintenance.....	20
Knowledge of steam boilers, steam engines, steam turbines, reciprocating and centrifugal pumps.....	10
Knowledge of the construction and operation of hydraulic apparatus....	10
Specifications, estimates, freehand dimensioned sketches, cost data and reports .....	10
Total weight .....	100

Superintendent of High Pressure System, Fire Department:

Personality and Fitness (including education, personal history, habits, age, physical appearance and address).....	15
Experience .....	25
Knowledge of construction, care and maintenance of the San Francisco High Pressure System.....	20
Knowledge of the construction and installation of steel, concrete and masonry structures, such as tanks, reservoirs, cisterns, etc. ....	5

## CIVIL SERVICE COMMISSION

Subject.	Weight.
Superintendent of High Pressure System, Fire Department—Continued	
Hydraulic Engineering (including construction and installation of street mains and water distributing service).....	15
Mechanical Engineering (including designing and fabrication of pipes, fittings, valves, and accessories, and their maintenance).....	10
Specifications, estimates, freehand dimensional sketches, cost data and reports .....	10
Total weight .....	100
Copyists:	
Copying with Book Recording Typewriter.....	50
Copying from Rough Draft.....	15
Copying from Plain Copy.....	5
Penmanship .....	10
Experience .....	20
Total weight .....	100
Corporals of Police:	
General Knowledge of Duties.....	50
Writing of Reports.....	25
Arithmetic .....	5
Seniority of Service.....	10
Meritorious Public Service.....	10
Total weight .....	100
Sergeants of Police:	
General Knowledge of Duties.....	50
Writing of Reports.....	25
Arithmetic .....	5
Seniority of Service.....	5
Experience as a Corporal.....	5
Meritorious Public Service.....	10
Total weight .....	100
Chauffeurs:	
Physical Fitness (including age, sight, hearing and general physical fitness) .....	30
Experience .....	35
General Knowledge of Duties.....	35
Total weight .....	100
Lieutenants of Police:	
General Knowledge of Duties.....	50
Writing of Report.....	20
Arithmetic .....	5
Seniority in Service.....	10
Experience as a Sergeant.....	5
Meritorious Public Service.....	10
Total weight .....	100

Subject.	Weight.
<b>Captains of Police:</b>	
General Knowledge of Duties.....	50
Writing of Report.....	20
Arithmetic .....	5
Seniority in Service.....	10
Experience as a Lieutenant.....	5
Meritorious Public Service.....	10
Total weight .....	100
<b>Photographers:</b>	
Commercial Photography .....	30
Developing and Printing.....	20
Enlargements, Transparencies, Lantern Slides.....	15
Flash Light Exposures.....	5
Letter Writing .....	10
Experience .....	20
Total weight .....	100
<b>Photostat Operators.</b>	
Practical Questions on Photostat Operation.....	40
Practical Questions on Commercial Photography.....	10
Letter Writing (on some phase of photostat work).....	10
Experience .....	40
Total weight .....	100
<b>Blueprinters:</b>	
Practical Questions on Commercial Blueprinting.....	20
Practical Blueprinting Tests.....	60
Experience (special and general).....	20
Total weight .....	100
<b>Chief Sanitary Inspector:</b>	
Personality and Fitness (including education, personal history, habits, age, physical appearance and address).....	20
Experience in Sanitation.....	20
Knowledge of Sanitation.....	25
Knowledge of Health Laws and Ordinances.....	15
Knowledge of Communicable and Industrial Diseases.....	20
Total weight .....	100
<b>Stenographer-typewriters (Male):</b>	
Stenography .....	50
Typewriting .....	20
Letter Writing and Arithmetic.....	10
Experience .....	20
Total weight .....	100

## CIVIL SERVICE COMMISSION

In the non-educational examinations for Waiters, Waitresses and Kitchen Helpers, the subjects and weights on a scale of 100 were:

Subject.	Weight.
Physical Fitness .....	40
Experience .....	60

In the non-educational examination for Janitors, the subjects and weights on a scale of 100 were:

Subject.	Weight.
Physical Qualifications .....	40
Experience .....	30
Aptitude and Fitness.....	30

The following examinations were advertised to take place on the dates indicated, but the Commission has been restrained by the Superior Court from holding them:

Name of Examination.	Date
Market Inspectors .....	Jan. 15, 1916
Foremen Hydrantmen, High Pressure System.....	Apr. 27, 1916
Hydrantmen, High Pressure System.....	May 4, 1916

The point raised against the Commission in the Market Inspectors' examination is that the Commission exceeds its authority by allowing credits for experience had as veterinarian, notwithstanding the fact that the Commission has also allowed similar credits for experience had as journeyman butcher. The point raised in connection with the examination for Hydrantmen and Foremen Hydrantmen is similar, the right of the Commission to allow credits for experience had in various trades, as well as for experience had as Hydrantmen, being questioned.

The Commission also advertised an examination to be held May 31, 1916, for Structural Engineers, but has postponed the date for the purpose of revising the scope.

Injunctions were issued against the Commission by the Superior Court restraining it from announcing the eligible lists of Corporals, Lieutenants and Captains, Police Department, to be created from the above mentioned examinations for these classes. The principal point involved in this case was the right of the Commission to remove the names from the old eligible lists under the two year law without hearing.

From July 1, 1915, to June 30, 1916, twelve hundred and forty-two certifications covering both permanent and temporary appointments were made by the Commission as follows:

Department.	Class.	Number Certified.
Assessor—		
General Clerks .....		163 163
Auditor—		
Copyists .....		1
General Clerks .....		17
Ordinary Clerks .....		36 54
Board of Health—		
Chauffeurs .....		4
Cooks .....		5
Engineers of Stationary Steam Engines.....		2
Firemen of Stationary Steam Engines.....		1



	Number Certified
<b>Board of Health—Continued</b>	
General Clerks .....	1
Graduate Nurses .....	26
Health Inspectresses of Schools.....	1
Hospital Stewards .....	7
Laborers .....	2
Laundryworkers .....	3
Matrons .....	1
Ordinary Clerks .....	1
Pharmacists .....	1
Seamstresses .....	1
Telephone Operators .....	3
Tenement House Inspectors.....	2
Waiters .....	1
Waitresses .....	3
Watchmen .....	5

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**Board of Public Works—**

Asphaltworkers .....	11
Bricklayers .....	9
Carpenters .....	13
Car Repairers .....	5
Carriage and Wagon Painters.....	5
Cement Finishers .....	5
Cement Finishers' Helpers.....	10
Chauffeurs .....	1
Conductors, Municipal Railways.....	45
Cribbers .....	5
Elevator Operators .....	4
Engineering Chemists .....	1
Engineers of Hoisting and Portable Engines.....	1
Engineers of Stationary Steam Engines.....	3
Engineers of Steam Rollers.....	1
Firemen of Stationary Steam Engines.....	4
General Clerks .....	5
Glaziers .....	1
Granite Cutters .....	4
Inside Wiremen .....	2
Inspectors, Municipal Railways.....	5
Inspectors of Buildings.....	1
Inspectors of Streets and Sewers.....	10
Janitors .....	8
Laborers .....	144
Linemen .....	5
Machinists .....	2
Motormen, Municipal Railways.....	35
Ordinary Clerks .....	3
Painters .....	11
Pavers .....	2
Plumbers .....	7
Quarry Drillers .....	3
Railroad Trackmen .....	35
Rammers .....	3
Ship and Machine Blacksmiths.....	1

	Number Certified	
Board of Public Works—Continued		
Steam Fitters .....	1	
Stenographer-Typewriters .....	2	
Surveyors' Field Assistants.....	4	
Telephone Operators .....	2	
Tinners .....	6	
Tinners' Helpers .....	1	
Watchmen .....	12	
	—	438
Board of Supervisors—		
Stenographer-Typewriters .....	1	
Telephone Operators .....	5	
	—	6
Civil Service Commission—		
General Clerks .....	5	
Stenographer-Typewriters .....	2	
	—	7
County Clerk—		
Copyists .....	3	
	—	3
Department of Electricity—		
Batterymen .....	1	
General Clerks .....	1	
Inspectors .....	1	
Instrument Makers .....	1	
Laborers .....	9	
Linemen .....	12	
Telephone Operators .....	2	
	—	27
Election Commission—		
General Clerks .....	126	
Laborers .....	7	
Ordinary Clerks .....	71	
Stenographer-typewriters .....	1	
	—	205
Fire Commission—		
Captains .....	10	
Engineers of Fire Engines.....	8	
Engineers of Stationary Steam Engines.....	2	
Firemen (Div. E., Class I).....	85	
Firemen of Stationary Steam Engines.....	3	
Hostlers .....	2	
Lieutenants .....	16	
Marine Stokers .....	1	
Superintendent of Engines.....	1	
Superintendent of High Pressure System.....	1	
Watchmen .....	1	
	—	130

Justices' Clerk—	Number Certified	
General Clerk .....	1	1
<b>Police Commission—</b>		
Chauffeurs .....	2	
Corporals .....	21	
Lieutenants .....	2	
Policemen .....	17	
Sergeants .....	5	
Telephone Operators .....	3	
Women Protective Officers .....	3	
		53
<b>Sheriff—</b>		
Deputies .....	1	
Jailers .....	6	
		7
<b>Tax Collector—</b>		
General Clerks .....	50	
Ordinary Clerks .....	28	
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The following is a list, by departments and classes, of Civil Service employes who have received appointment through Civil Service examination and were in the employ of the city on June 30, 1916:

Department.	Class.	Number Employed.	
<b>Assessor—</b>			
General Clerks .....		23	23
<b>Auditor—</b>			
Assistant Deputies .....		2	
Copyists .....		1	
Experienced Clerks .....		8	
Ordinary Clerks .....		4	
Stenographer-typewriters .....		1	
Telephone Operators .....		1	
			17
<b>Board of Health—</b>			
Ambulance Drivers .....		15	
Butchers .....		1	
Chauffeurs .....		4	
Chemists .....		1	
Chief Plumbing Inspector.....		1	
Cooks .....		14	
Dairy Inspectors .....		2	
Disinfectors .....		2	
Elevator Operators .....		3	
Engineers of Stationary Steam Engines.....		7	
Experienced Clerks .....		8	
Farmers .....		2	

Board of Health—Continued	Number Employed
Firemen of Stationary Steam Engines.....	4
Food Inspectors .....	2
Gardeners .....	2
General Clerks .....	4
Graduate Nurses .....	52
Health Inspectresses of Schools.....	8
Health Officer .....	1
Hospital Stewards .....	34
Industrial Inspectors .....	1
Laboratory Assistants and Apprentices.....	1
Laborers .....	2
Laundryworkers .....	9
Market Inspectors .....	9
Matrons .....	7
Pantry Workers and Waiters.....	8
Pharmacists .....	1
Plumbing Inspectors .....	5
Sanitary Inspectors .....	7
Seamstresses .....	4
Stenographer-typewriters .....	7
Superintendent of the Almshouse.....	1
Superintendent, San Francisco Hospital.....	1
Telephone Operators .....	6
Tenement House Inspectors.....	2
Veterinarians .....	5
Waiters .....	1
Waitresses .....	3
Watchmen .....	10

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## Board of Public Works—

Asphaltworkers .....	71
Assistant Civil Engineers.....	32
Blacksmiths .....	2
Blacksmiths' Helpers .....	2
Bookkeepers .....	2
Bricklayers .....	10
Carpenters .....	28
Carpenters' Helpers .....	2
Car Repairers .....	29
Carriage and Wagon Painters.....	13
Cement Finishers .....	6
Cement Finishers' Helpers.....	7
Chauffeurs .....	3
Conductors, Municipal Railways.....	272
Cribbers .....	22
Elevator Operators .....	18
Engineering Chemists .....	1
Engineering Draughtsmen .....	22
Engineers of Hoisting and Portable Engines.....	7
Engineers of Stationary Steam Engines.....	14
Engineers of Steam Rollers.....	5
Experienced Clerks .....	26
Firemen of Stationary Steam Engines.....	6
General Clerks .....	14

## CIVIL SERVICE COMMISSION

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Board of Public Works—Continued	Number Employed	
Glaziers .....	2	
Granite Cutters .....	18	
Hodcarriers .....	8	
Inside Wiremen .....	4	
Inspectors, Municipal Railways.....	16	
Inspectors of Buildings.....	17	
Inspectors of Complaints.....	2	
Inspectors of Side Sewers.....	1	
Inspectors of Streets and Sewers.....	52	
Janitors .....	47	
Laborers .....	356	
Linemen .....	3	
Locksmiths .....	2	
Machinists .....	3	
Messengers .....	1	
Motormen, Municipal Railways.....	270	
Office Deputies .....	1	
Ordinary Clerks .....	4	
Painters .....	20	
Pavers .....	32	
Plumbers .....	15	
Quarry Drillers .....	10	
Railroad Trackmen .....	69	
Rammers .....	21	
Sewer Cleaners .....	15	
Ship and Machine Blacksmiths.....	4	
Ship and Machine Blacksmiths' Helpers.....	2	
Sidesewermen .....	33	
Steam Fitters .....	2	
Stenographer-typewriters .....	17	
Street Sweepers .....	146	
Superintendent of Stone Pavements.....	1	
Surveyors .....	9	
Surveyors' Field Assistants.....	47	
Telephone Operators .....	5	
Tinners .....	9	
Tinners' Helpers .....	4	
Watchmen .....	38	
	—	1920
Board of Supervisors—		
Stenographer-typewriters .....	1	
Telephone Operators .....	4	
	—	5
Civil Service Commission—		
General Clerks .....	2	
Stenographer-typewriters .....	3	
	—	5
County Clerk—		
Copyists .....	6	
	—	6

Department of Electricity—	Number Employed	
Batterymen .....	1	
Fire Alarm Operators.....	9	
General Clerks .....	1	
Hostlers .....	1	
Inspectors .....	6	
Instrument Makers .....	7	
Laborers .....	4	
Linemen .....	23	
Machinists .....	1	
Ordinary Clerks .....	1	
Painters .....	1	
Repairers .....	2	
Splicers .....	1	
Stenographer-typewriters .....	1	
Telephone Operators .....	4	
	<hr/>	63
Election Commission—		
Carpenters .....	1	
Deputies .....	8	
Ordinary Clerks .....	45	
Stenographer-typewriters .....	3	
Watchmen .....	1	
	<hr/>	58
Fire Commission—		
Assistant Chief Engineers.....	2	
Battalion Chiefs .....	11	
Blacksmiths .....	3	
Blacksmiths' Helpers .....	3	
Boilermakers .....	2	
Boilermakers' Helpers .....	2	
Captains .....	64	
Carriage, Wagon and Automobile Woodworkers.....	2	
Carriage and Wagon Painters.....	2	
Engineers of Fire Engines.....	34	
Engineers of Stationary Steam Engines.....	7	
Firemen (Div. E., Class I).....	513	
Firemen of Stationary Steam Engines.....	7	
Harnessmakers .....	2	
Horseshoers .....	4	
Hostlers .....	7	
Hydrantmen .....	3	
Laborers .....	3	
Lieutenants .....	78	
Machinists .....	5	
Marine Engineers .....	8	
Marine Stokers .....	8	
Patternmakers .....	1	
Pilots .....	4	
Pipe Calkers .....	1	
Steamfitters .....	1	
Stenographer-typewriters .....	1	
Superintendent of Engines.....	1	
Superintendent of High Pressure System.....	1	
Watchmen .....	4	

## CIVIL SERVICE COMMISSION

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Fire Pension Fund Commission—		Number Employed	
Secretary .....	1	—	1
Justices' Clerk—			
General Clerk .....	1	—	1
Police Commission—			
Captains .....	10		
Chauffeurs .....	4		
Cooks .....	1		
Corporals .....	55		
Hostlers .....	9		
Lieutenants .....	18		
Marine Engineers of Gasoline Engines .....	3		
Matrons .....	4		
Policemen .....	593		
Police Patrol Drivers.....	23		
Secretary .....	1		
Sergeants .....	68		
Stenographer-typewriters .....	2		
Telephone Operators .....	4		
Women Protective Officers.....	3	—	798
Police Courts—			
Court Stenographers .....	4	—	4
Recorder—			
Machinist .....	1	—	1
Sheriff—			
Cooks .....	1		
Deputies .....	3		
Jailers .....	12		
Matrons .....	1		
Stenographer-typewriters .....	1	—	18
Tax Collector—			
Deputies .....	28		
General Clerks .....	4		
Ordinary Clerks .....	1		
Stenographer-typewriters .....	1	—	34

The total number of city employes under Civil Service on June 30, 1916, including those that came under Civil Service by Charter provision, was forty-six hundred and thirty-one. Of this number thirty-nine hundred and sixty-five received appointment through Civil Service examination. In addition, several hundred temporary positions are filled each year by Civil Service clerks, mechanics and laborers.

## CIVIL SERVICE COMMISSION

From July 1, 1915, to June 30, 1916, the Commission checked and approved six hundred and ninety-six payrolls, containing an aggregate of seventy thousand four hundred and sixty-three items.

Accompanying this report is a booklet (publication No. 15), containing our rules and classifications as in effect June 30, 1916.

Yours respectfully,

E. A. WALCOTT,  
Commissioner.

B. B. ROSENTHAL,  
Commissioner.

JNO. J. O'TOOLE,  
President.

Attest: JAS. J. MAHER,  
Chief Examiner and Secretary.



# Treasurer's Report

San Francisco, Cal., June 30, 1916.

Hon. James Rolph, Jr.,

Mayor of the City and County of San Francisco.

Dear Sir:—I herewith submit the Treasurer's Annual Report for the fiscal year of 1915-16.

Respectfully yours,

JOHN E. McDOUGALD,  
City and County Treasurer

## TREASURER'S RECEIPTS AND EXPENDITURES.

Funds or Accounts and Information	Receipts	Extension	Transfers Permanent Resolution Loan	Total Credits	Disburse- ments	Transfers Permanent Resolution Loan	Total Debits
Balance Cash on Hand per last Annual Report of June 30, 1915	.....	.....	.....	9,958,784.40	.....	.....	.....
GENERAL							
Taxes	.....	7,481,252.79	.....	.....	.....	.....	.....
City and County Licenses	.....	1,237,720.00	.....	.....	.....	.....	.....
Police Court Fines, Dept. No. 1	6,222.00	.....	.....	.....	.....	.....	.....
Police Court Fines, Dept. No. 2	5,870.00	.....	.....	.....	.....	.....	.....
Police Court Fines, Dept. No. 3	5,360.00	.....	.....	.....	.....	.....	.....
Police Court Fines, Dept. No. 4	6,295.00	.....	.....	.....	.....	.....	.....
Superior Court Fines	.....	23,747.00	.....	.....	.....	.....	.....
House Building Permits	.....	250.00	.....	.....	.....	.....	.....
Bill Posting Permits	.....	28,029.50	.....	.....	.....	.....	.....
Mayor: Net Rental, City Prop- erty	.....	181.00	.....	.....	.....	.....	.....
Recorder: Desk Rentals	.....	21,908.31	.....	.....	.....	.....	.....
Treasurer: Interest on Bank De- posits	.....	560.00	.....	.....	.....	.....	.....
Auditor: State Lunacy Commis- sion	.....	92,101.69	.....	.....	.....	.....	.....
Coroner: Money found on Dece- dents	.....	370.00	.....	.....	.....	.....	.....
Board of Health: Refund of Mo- tor Fees and Licenses	.....	102.85	.....	.....	.....	.....	.....
San Francisco Hospital: Maintenance and Sundries	.....	128.20	.....	.....	.....	.....	.....
Unclaimed Wages	.....	.....	.....	.....	.....	.....	.....
	.....	660.80	.....	.....	.....	.....	.....

Relief Home: Maintenance and Sundries .....	2,387.39	.....	.....	.....	.....
Isolation Hospital .....	81.00	.....	.....	.....	.....
Juvenile Court: Collections from parents for maintenance and sundries .....	7,460.68	.....	.....	.....	.....
Board of Fire Commissioners:					
Electric Current Sold U. S. Govt.—Fort Mason .....	1,419.04	.....	.....	.....	.....
Electric Current Sold Eaton & Smith .....	12.67	.....	.....	.....	.....
Damage to the Hydrants and Fire Hose .....	101.90	.....	.....	.....	.....
Whitcomb Estate, account Oil .....	39.33	.....	.....	.....	.....
Water Test .....	6.22	.....	.....	.....	.....
Refund—Error Pay Roll.....	66.65	.....	.....	.....	.....
	<u>1,645.81</u>	.....	.....	.....	.....
Sheriff: Subsistence U. S. Prisoners .....	3,572.00	.....	.....	.....	.....
Mayor: Net proceeds sales as below from Sundry Departments authorized by Resolutions of Board of Supervisors—					
Health Dept.:					
4 Horses .....	92.15	.....	.....	.....	.....
6 Wagons .....	130.63	.....	.....	.....	.....
	<u>222.78</u>	.....	.....	.....	.....
Sale of Old Buildings, Etc.					
Sundry Shacks on Folsom St., etc., per Res. No. 1965.....	686.38	.....	.....	.....	.....
Church St. Shacks per Res. No. 1953 .....	2,279.52	.....	.....	.....	.....
(Note: Transferred elsewhere herein to Municipal Ry. Fund) Shack 278 Harriett St.....	42.75	.....	.....	.....	.....

## TREASURER'S RECEIPTS AND EXPENDITURES—Continued

Funds or Accounts and Information	Receipts	Extension	Transfers Permanent Resolution Loan	Total Credits	Disbursements	Transfers Permanent Resolution Loan	Total Debits
School Dept.:							
2 frame buildings.....	53.20						
Cottage rear Bernal School....	19.00						
		3,080.85					
Corporation Yard — Board of Public Works:							
Engines, Pumps, Boilers, etc., per Res. No. 1746.....		79.33					
Sheriff: 4 Horses.....		72.20					
Fire Dept.:							
2 old Horses.....	128.25						
1 lot of old Horse Shoes.....	99.75						
		494.95					
5 Horses.....	266.95						
Dept. Electricity: Sundry old material, 17 Items.....		257.22					
Police Dept.: Old Iron Cupola frame, 14 Horses.....		491.63					
Street Cleaning Dept.: 1 Stud-baker Runabout.....		76.00					
Board of Supervisors:							
Sales copies City Engineer's Report on Underground Water Supply.....	5.00						
Sales copies B. J. Arnold's Report on Transportation.....	9.00						

Sales copies Book of Ordinances .....  
 Refund from Ford Motor Co. 9 cars @ \$50 each.....  
 Burial J. W. Richardson, old Soldier, Alameda Co. ....  
 Unexpended Balance Finance Com. trip to Sacramento.....  
 Damages to Third St. Bridge

113.00  
 450.00  
 50.00  
 1.15  
 20.00

648.15

Franchise Percentages:

United Railroads of S. F. various lines year ending Dec. 31, 1914, Res. No. 12008.....  
 United Railroads of S. F., Lessees—  
 Gough St. Line.....  
 Parnassus Ave. Line.....  
 Parkside Transit Co. ....  
 (Receipts for Fiscal Year 1915-16)

43,640.64  
 503.66  
 1,894.82  
 3,728.10

California St. Cable Co.—  
 Hyde St. Line year ending Dec. 31, 1914, Res. No. 11712  
 Sanitary Reduction Works—  
 one year's Interest per Ord. No. 5330 .....

4,683.74  
 17,500.00

S. F. Electric Protective Co. Pacific Telephone & Tel. Co.—2% Gross receipts on \$8,576,304.16, Dec. 1, 1914, to September 30, 1915.....

71,526.08

143,487.32

## TREASURER'S RECEIPTS AND EXPENDITURES—Continued

Funds or Accounts and Information	Receipts	Extension	Transfers Permanent Resolution Loan	Total Credits	Disburse- ments	Transfers Permanent Resolution Loan	Total Debits
State of California:							
For Maintenance of Minors							
From July 1, 1914, to Dec. 31, 1914 .....	20,789.11						
Do, from July 1, 1915, to Dec. 31, 1915 .....	17,512.28						
Widows' Pension Claims Jan. 1, 1915, to Dec. 31, 1915 .....	67,345.00						
Payment of Assessment on Beale St. Regrade .....	11,433.82						
State Refund of Taxes, Sec. No. 3804 .....	12.57						
Tax Collector, Poll Tax, Com- mission .....	4.00	117,096.78					
Secy. Superior Court, Refund account of Duplicate pay- ment .....		67.50					
Playground Commission, Sale of Junk, North Beach Play- ground .....		20.00					
Massachusetts Bond & Ins. Co., Refund on Depository Bond Crocker National Bank F. W. Leis, Balance due on purchase Potrero Nuevo Block City and County Treasurer:		397.25					
Commission from Inheritance Tax Collections .....	3,477.22						

Commission from Public Ad- ministrator's Settlements .....	297.80	.....	.....	.....	.....
Net proceeds Auction Sale by Treasurer of Coroner's effects .....	284.35	.....	.....	.....	.....
	<u>4,059.37</u>	.....	.....	.....	.....
Board of Public Works:					
Sale of old Cobbles.....	182.05	.....	.....	.....	.....
Refund, State Motor Vehicle Div. ....	6.68	.....	.....	.....	.....
Damages, Third St. Bridge.....	70.35	.....	.....	.....	.....
California Highway Commis- sion, Damage to Steam Rol- ler .....	16.00	.....	.....	.....	.....
	<u>275.08</u>	.....	.....	.....	.....
Transferred from Unapportioned Fee Fund .....	254,041.92	.....	.....	.....	.....
Transferred from Loan Transfer Account .....	1,565,000.00	.....	.....	.....	.....
Transferred from Advertising Fund Fees for fiscal year 1915-16 .....	10,333.50	.....	.....	.....	.....
	<u>11,022,560.85</u>	.....	.....	.....	.....
Demands .....	.....	.....	.....	.....	.....
Superior Court Orders.....	9,776,278.82	.....	.....	.....	.....
Transferred to Police Relief and Pension Fund—	17,691.95	.....	.....	.....	.....
Account Licenses .....	.....	.....	.....	.....	.....
Account Police Court Fines...	63,475.75	.....	.....	.....	.....
Transferred to Loan Transfer Account Temporary Loans Re- turned .....	5,936.75	.....	.....	.....	.....
	<u>1,565,000.00</u>	.....	.....	.....	.....







## TREASURER'S RECEIPTS AND EXPENDITURES—Continued

Funds or Accounts and Information	Receipts	Extension	Transfers Permanent Resolution Loan	Total Credits	Disbursements	Transfers Permanent Resolution Loan	Total Debits
Recorder, Marriage License	6,542.00						
Justices' Clerk	33,764.00						
Board of Public Works	20,623.25						
Board of Health	1,242.25						
Department of Electricity	12,321.24						
Poundkeeper	2,938.10						
Treasurer	3.50			273,240.65			
<b>Demands</b>					17,983.95		
Transfers to—							
General Fund						254,041.92	
Police Relief and Pension Fund						1,464.50	273,490.37
<b>PARK</b>							
Taxes		377,185.86					
Transferred from Loan Transfer Account, Temporary Loans			180,000.00				
Bequest from Estate of Alice Skae, for purchase of paintings		10,000.00					
Children's Quarters	33,015.05						
Beach Chalet	2,732.15						
Rent, Boat House	300.00						
Rent, Japanese Tea Garden	600.00	36,647.20					
Down Town Association, care of Baskets on Market St.	500.00						

TREASURER

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Down Town Association, Lighting Committee .....	171.95	.....	.....	.....	.....	.....
Labor and Material, Richmond Library Lawn .....	500.00	.....	.....	.....	.....	.....
Academy of Sciences, Construction of Roads and Walks around Museum .....	600.00	.....	.....	.....	.....	.....
Spring Valley Water Co., Re-fund .....	123.29	.....	.....	.....	.....	.....
Spring Valley Water Co., Labor Hauling Rock .....	227.25	.....	.....	.....	.....	.....
Shipping Buffaloes .....	150.00	.....	.....	.....	.....	.....
Sale of Museum Catalogues.....	297.10	.....	.....	.....	.....	.....
Sale of Lambs and Wool.....	207.12	.....	.....	.....	.....	.....
Sale of 10 Horses.....	244.55	.....	.....	.....	.....	.....
Sale of Empty Cement Sacks.....	137.60	.....	.....	.....	.....	.....
Sundry Sales, damages, labor, etc. ....	159.90	.....	.....	.....	.....	.....
United R. R. of S. F., Right of Way, 1916 .....	100.00	.....	607,251.82	.....	.....	.....
.....		3,418.76	.....	.....	.....	.....
Demands .....		.....	.....	427,559.79	.....	.....
Transferred to Loan Transfer Account .....		.....	.....	.....	180,000.00	607,559.79
Loans returned .....		.....	.....	.....	.....	.....
LIBRARY						
Taxes .....		96,990.64	.....	.....	.....	.....
Fines, etc. ....		3,996.85	.....	.....	.....	.....
Books Lost and Paid For, etc.....		170.85	.....	.....	.....	.....
.....		.....	101,158.34	.....	.....	.....
Demands .....		.....	.....	.....	.....	107,498.51

## TREASURER'S RECEIPTS AND EXPENDITURES—Continued

Funds or Accounts and Information	Receipts	Extension	Transfers Permanent Resolution Loan	Total Credits	Disburse- ments	Transfers Permanent Resolution Loan	Total Debits
RELIEF HOME TRACT							
Demands .....							13,740.00
POLICE RELIEF AND PENSION							
Contributions of Officers.....	22,218.00						
Rewards of Officers.....	220.00						
Fines of Officers .....	1,115.00						
		23,553.00					
Net proceeds of Auction Sale.....	1,079.85						
Unclaimed Cash .....	900.56	1,980.41					
Transferred from Unapportioned Fee Fund .....			1,464.50				
Transferred from General Fund:							
Account Licenses .....			63,475.75				
Account Police Court Fines.....			5,936.75				
From General Fund to cover deficit 1914-15 .....			9,432.66				
Transferred from 5% City Hall Bond Fund, Temporary Loan			575.39	106,418.46	108,620.95	575.39	
Demands .....							
Transferred to 5% City Hall Bond Fund, Temporary Loan returned .....							109,196.34
FIREMEN'S RELIEF AND PENSION							
Taxes .....		102,347.30					
Transferred from Loan Transfer Account, Temporary Loans.....			50,500.00				

Transferred from Assessor, Temporary Loans .....	10,000.00	162,847.30	103,372.03	.....
Demands .....	.....	.....	.....	.....
Transferred to Loan Transfer Account .....	.....	.....	50,500.00	.....
Transferred to Assessor Account .....	.....	.....	10,000.00	.....
Loans Returned .....	.....	.....	<u>163,872.03</u>	.....
HOUSE MOVING, BOARD OF WORKS				
Permits .....	.....	2,100.00	.....	.....
Demands .....	.....	.....	.....	2,300.00
HOUSE MOVING, DEPT. OF ELECTRICITY				
Permits .....	.....	575.00	.....	.....
Demands .....	.....	.....	.....	340.00
SPECIAL BADGE				
Permits .....	.....	595.00	.....	.....
Demands .....	.....	.....	.....	820.00
OVERPAYMENT CORPORATION TAXES				
Demands .....	.....	.....	.....	6.00
DUPLICATE TAX				
Taxes .....	.....	5,871.39	.....	.....
Transferred from Twin Peaks Ridge Tunnel Assessment Fund .....	686.87	.....	.....	.....
	<u>686.87</u>	6,558.26	.....	.....



DENMAN SILVER MEDAL FUND			
One year interest, \$3,000, City			
Hall Bonds @ 5%	150.00		
SPECIAL PERMIT			
Sidewalk and Street Permits	51,214.00		45,781.00
Demands			
TEARING UP STREETS			
Side Sewer Permits	67,067.12		62,148.90
Demands			
EXCAVATION			
Street Opening Permits	12,382.70		15,559.55
Demands			
SPECIAL INSPECTION			
Contractors' Fees	27,020.50		17,842.55
Demands			
STATE OF CALIFORNIA			
Taxes, 1914-15	1,143.72		
Taxes, back years	48.11		
	<hr/>		
	1,191.83		
Tax Collector Poll Taxes	12.00		
Tax Sales, per Section No. 3804	305.83		
Redemption Property Sold State	2,402.74		
Inheritance Taxes	1,417,677.22		
Public Administrator Estates net			
amount due State	24,879.21		
Public School Teachers' Permanent Fund, Contributions for fiscal year			16,570.00

## TREASURER'S RECEIPTS AND EXPENDITURES—Continued

	Receipts	Extension	Transfers Permanent Resolution Loan	Total Credits	Disburse- ments	Transfers Permanent Resolution Loan	Total Debits
Funds or Accounts and Information							
Interest on 5% Fire Protection Bonds \$44,000, one year.....	2,200.00	18,770.00					
Maintenance:							
Eldridge Home for Feeble- Minded Children .....	31,540.00						
Preston School of Industry...	6,039.15						
Whittier Reform School.....	300.82						
California School for Girls....	1,392.19						
		39,272.16		1,504,510.99	12,246.00		
					2,200.00		
Disbursements:							
Paid State Treasurer Account							
School Teachers' Permanent Fund—							
Contributions of Teachers...							
Interest on Bonds.....							
Settlements with State Con- troller:							
Taxes, back years.....							
Inheritance Taxes.....							
Redemption Property Sold State .....							
Tax Sales, Section No. 3804...							
Tax Collector Poll Taxes.....							
Eldridge (H. F. M. C.).....							
Preston School of Industry....							
Whittier Reform School.....							
					1,900.91		
					1,417,677.22		
					2,402.74		
					305.83		
					12.00		
					31,540.00		
					6,039.15		
					300.82		



California School for Girls.....					1,393.25	
Public Administrator .....					24,879.21	
Refund of Taxes.....					12.57	
					<hr/>	1,500,909.70
<b>MUNICIPAL WATER WORKS</b>						
Rentals .....		6,056.89				
Transferred from General Fund			300.00			
per Res. No. 12405.....			<hr/>			
Demands .....					6,356.89	7,934.94
<b>AUDITORIUM</b>						
Account per Ordinance No.						
3521, N. S.—						
Rentals and Deposit on Rentals				10,534.00		
Demands, Miscellaneous.....					8,520.66	
Refunded on account of Rentals					462.50	8,983.16
					<hr/>	
<b>MUNICIPAL RAILWAY (all lines)</b>						
Passenger Receipts received in						
1915-16 .....		1,978,412.40				
Transfers United R. R. of S. F.				10,674.46		
Broken Windows, Lost Badges,						
Punches, etc. ....		35.75				
Sale of Scrap Iron, Shoe Brakes,						
etc. ....					3,002.54	
Received on account of repairs,						
installations, removals, dam-						
ages, etc., to wires, trolleys,						
poles, crossings, etc.....					493.94	
Refund from Ocean Shore R. R.						
Co. ....						2,681.47



Transferred to 4 1/2 % Geary St. Railway Bond Interest Fund per Res. No. 13036.....				45,000.00	
Transferred to 5% Municipal Railway Bond Interest Fund per Res. No. 13036.....				77,000.00	
				<hr/>	2,032,694.39
<b>MUNICIPAL RAILWAY DEPRECIATION</b>					
Refund of Accrued Interest on Municipal Bonds Purchased.....	1,516.37				
Earned Interest on same, Dec. 31, 1915.....	9,233.88				
					<hr/>
Earned Interest on same to June 30, 1916.....		10,750.25			
Transferred from Municipal Railway Fund 18% Gross Passenger Revenue.....		367,935.25			
					<hr/>
Purchase of \$313,500 3 1/2 Library Bonds, 1904, on a 4 1/2 % basis, per Res. No. 11868, discount price.....				276,727.05	
Accrued Interest on same.....				1,443.75	
Purchase of 3 1/2 % School Bonds, 1904, per Res. No. 12172.....				8,300.00	
Accrued Interest on same.....				72.62	
Transferred to 4 1/2 % Geary St. Bond Redemption.....				95,000.00	
Transferred to 4 1/2 % Market St. Ry. Bond Redemption.....				6,000.00	
Per Resolution No. 12899.....					<hr/>
					387,543.42



LOAN TRANSFER ACCOUNT

Transferred from following Funds for purpose of facilitating temporary Loans between Funds, under proper authorization—

From:	Assessor Account .....	750,000.00	.....	.....
	3½% Library Bond Fund, 1904 .....	250,000.00	.....	.....
	4½% Water Bond Fund, 1910 .....	600,000.00	.....	.....
	5% City Hall Bond Fund, 1912 .....	950,000.00	.....	.....
	5% Garbage Bond Fund, 1908 .....	200,000.00	.....	.....
Transferred from following Funds, account of temporary Loans returned:				
From—	General Fund .....	1,565,000.00	.....	.....
	Common School Fund .....	340,000.00	.....	.....
	Park Fund .....	180,000.00	.....	.....
	Firemen's Relief Fund .....	50,500.00	.....	.....
	Mission Park Interest Fund .....	45.48	.....	.....
		<u>4,885,545.48</u>		

Debits:

Transferred to following Funds, account temporary loans—

General Fund .....	1,565,000.00
Common School Fund .....	340,000.00
Park Fund .....	180,000.00

## TREASURER'S RECEIPTS AND EXPENDITURES—Continued

	Receipts	Extension	Transfers Permanent Resolution Loan	Total Credits	Disburse- ments	Transfers Permanent Resolution Loan	Total Debits
Funds or Accounts and Information							
Firemen's Relief Fund.....						50,500.00	
Mission Park Interest Fund.....						45.48	
Transferred to following Funds—							
Loans returned Assessor Acct.....						750,000.00	
3 1/2 % Library Bond Fund, 1904.....						250,000.00	
4 1/2 % Water Bond Fund, 1910.....						600,000.00	
5 % City Hall Bond Fund, 1912.....						950,000.00	
5 % Garbage Bond Fund, 1908.....						200,000.00	4,885,545.48
STREET IMPROVEMENT							
Installment Assessments.....				22,225.03			
Payments to Contractors.....							22,779.08
POLK STREET RE-GRADE							
Deposited by Board of Public Works.....				5.79			499.00
Demands.....							
EL PORTAL WAY SEWER							
Deposited by Board of Public Works Their Res. No. 40614.....				11,000.00			10,964.00
Demands.....							

STREET EXTENSION FUNDS

Covering following streets: Vulcan, Bixby, Orizaba, Ralston, Vernon, Monticello, Bright, Arch, Head, Victoria, Beverly and Ramsell:

Deposited by Board of Public Works ..... 30.50  
 Demands ..... 113.00

STREET EXTENSION REDEMPTION FUNDS

Covering following streets: Bixby, Orizaba, Ralston, Vernon, Monticello, Bright, Arch, Head, Victoria, Beverly and Ramsell:

Deposited by Board of Public Works on account of Redemptions by Property Owners ..... 881.80  
 Refunds to Purchasers ..... 375.52

STOCKTON STREET TUNNEL ASSESSMENT

Tax Collector, Assessments ..... 38,604.11  
 Demands ..... 1,108.84  
 Contractor's Bonds Redeemed ..... 16,558.84  
 Transferred to Stockton Street Tunnel Interest ..... 6,843.61

STOCKTON STREET TUNNEL INTEREST

Refund owing to prior Redemption of Bonds ..... 203.00

24,511.29

## TREASURER'S RECEIPTS AND EXPENDITURES—Continued

	Receipts	Extension	Transfers Permanent Resolution Loan	Total Credits	Disburse- ments	Transfers Permanent Resolution Loan	Total Debits
Funds or Accounts and Information							
Transferred from Stockton St. Tunnel Assessment			6,843.61	7,046.61			7,973.31
Payments of Interest Coupons							
TWIN PEAKS RIDGE TUNNEL ASSESSMENT NO. 1							
Tax Collector, Assessments from Property Owners		823,659.82					
Transferred from Twin Peaks Ridge Tunnel Interest Fund per J. R. Res. No. 1986			98,941.00				
Transferred from the Interest Fund			16.41				
Transferred from Duplicate Tax Fund			14.63	922,631.86	918,088.92	220,469.86	
Demands							
Transferred to Interest Fund							
Transferred to Duplicate Tax Fund						686.87	
Transferred to Advertising Fund						.75	1,139,246.40
TWIN PEAKS RIDGE TUNNEL ASSESSMENT NO. 2							
Assessments from Bond Issue Installments, agreements with Property Owners, Assessments since April 1, 1916				16,406.91			





## TREASURER'S RECEIPTS AND EXPENDITURES—Continued

Funds or Accounts and Information	Receipts	Extension	Transfers Permanent Resolution Loan	Total Credits	Disbursements	Transfers Permanent Resolution Loan	Total Debits
Transferred from Firemen's Relief Fund.....	.....	.....	10,000.00	.....	.....	.....	.....
Loan Transfer Account, Loans Returned .....	.....	.....	750,000.00	1,604,721.86	.....	.....	.....
Transferred to Firemen's Relief Fund .....	.....	.....	.....	.....	.....	10,000.00	.....
Loan Transfer Account, Temporary Loans .....	.....	.....	.....	.....	.....	750,000.00	.....
Apportionment of Taxes to Sundry Funds .....	.....	.....	.....	.....	817,755.52	.....	1,577,755.52
<b>TAX COLLECTOR TAXES, Unapportioned</b>							
Transferred from Special and Unapportioned Funds, Balance as of October 3, 1915.....	290,194.46	.....	.....	.....	.....	.....	.....
Deposited by Tax Collector.....	10,992,550.59	.....	.....	11,282,745.05	.....	.....	.....
Apportioned to Sundry Funds.....	.....	.....	.....	.....	11,204,261.48	.....	.....
Credited to State of California.....	.....	.....	.....	.....	53.00	.....	.....
Credited to Duplicate Tax Fund .....	.....	.....	.....	.....	2,631.19	.....	.....
<b>REDEMPTION OF PROPERTY SOLD</b>							
STATE, Unapportioned							
Sundry Redemptions since Dec. 7, 1915 .....	.....	.....	.....	63,015.24	.....	.....	.....
Apportioned to Sundry Funds.....	.....	.....	.....	.....	43,325.95	.....	.....
Credited to State of California.....	.....	.....	.....	.....	1,353.05	.....	44,679.00

TAX COLLECTOR SPECIAL, Unap- portioned					
Sold for delinquent taxes to State per Sec. 3771 Revenue Laws	2,177.00				
STATE TAX REFUND					
Refund from State of California on Bonded Indebtedness as of Nov. 8, 1910	140,288.30				140,288.30
Apportioned to Interest and Re- demption Funds					
CITY AND COUNTY GOOD ROADS					
State of California, this City's Share Motor Vehicle Licenses year ending Dec. 31, 1915	112,122.51				
Transferred from General Fund per J. R. No. 1910		10,000.00		122,122.51	
Demands					80,718.28
INHERITANCE TAX					
Transferred Aug. 9, 1915, from Special Fund to same account, City and County Fund	165,965.57				
NOTE: Actual amount collections for year 1915-16 showing in Special Funds and City and County Funds, \$1,488,093.64.					
Tax Collections by Treasurer since above date to June 30, 1916	1,435,653.32			1,601,598.89	

TREASURER'S RECEIPTS AND EXPENDITURES—Continued							
	Receipts	Extension	Transfers Permanent Resolution Loan	Total Credits	Disburse- ments	Transfers Permanent Resolution Loan	Total Debits
Funds or Accounts and Information							
Appraiser's Claims since Aug. 9, 1915					4,988.35		
Special Attorney's Fees since Aug. 9, 1915					569.98		
Tax Refunds since Aug. 9, 1915					316.80		
Carfare, etc.					48.05		
Treasurer's Commission					3,477.22		
Remitted to State of California.					1,417,677.22		1,427,077.07
<b>COUNTY CLERK SPECIAL</b>							
Transferred from Special Funds to same account City and County Funds, Balance as of August 9, 1915	33,843.72						
Superior Court Deposits since Aug. 9, 1915	116,768.15			150,611.87			
Superior Court Orders, audited and paid since Aug. 9, 1915							110,517.40
<b>ABSENT HEIRS</b>							
Superior Court Deposits since Aug. 9, 1915		950.17					
Transferred from Public Admin- istrator Account			9.91	960.08			
Paid personal property taxes					14.78		
Superior Court Orders					426.14		440.92

PUBLIC ADMINISTRATOR

Deposits since Aug. 9, 1915.....	.....	.....	.....	.....
Paid Personal Property Taxes.....	.....	216.74	.....	.....
Transferred to Absent Heirs Ac-	.....	.....	9.91	.....
count .....	.....	.....	.....	226.65

10,271.18

ABSENT CREDITORS

Deposits since Aug. 9, 1915.....	.....	23.00	.....	.....
Superior Court Order.....	.....	.....	.....	12.50

23.00

## TREASURER'S RECEIPTS AND EXPENDITURES—Continued

BOND INTEREST FUNDS	Taxes	State Tax Refund	Accrued Interest on Bond Sales	Total Credits	Bonds Redeemed
3 ½% Schools, 1904 .....	16,719.82	334.02	72.62	17,126.46	23,679.25
3 ½% Streets, 1904 .....	16,707.13	1,536.48	.....	18,243.61	19,138.00
3 ½% County Jail and Hall of Justice, 1904.....	2,694.19	334.02	.....	3,028.21	3,349.50
3 ½% Library, 1904 .....	5,499.44	534.34	2,650.15	8,684.03	29,071.00
3 ½% Playgrounds, 1904 .....	16,629.45	1,937.32	.....	17,566.77	19,213.25
3 ½% Golden Gate Park Extension, 1904.....	7,543.71	935.26	.....	8,478.97	8,466.50
3 ½% Mission Park, 1904 .....	7,001.71	868.44	.....	7,870.15	7,537.25
4 ½% Polytechnic High, 1910 .....	20,478.97	.....	.....	20,478.97	24,795.00
4 ½% Geary Street Railway, 1910 .....	.....	.....	15,534.38	160,576.12	82,642.50
4 ½% Hetch Hetchy (Water), 1910 .....	145,041.74	.....	.....	.....	79,605.00
4 ½% Market Street Railway, 1910 .....	.....	.....	.....	.....	3,195.00
4 ½% Hospital-Jail, 1913 .....	43,668.01	.....	8,066.40	51,734.41	48,487.50
5% Fire Protection, 1908 .....	225,788.58	23,381.38	.....	249,169.96	258,275.00
5% Sewers, 1908 .....	168,145.71	14,362.84	.....	182,508.55	197,375.00
5% Schools, 1908 .....	195,680.34	14,897.28	.....	210,577.62	236,600.00
5% Hospital, 1908 .....	73,310.39	5,210.70	.....	78,521.09	87,125.00
5% Hall of Justice, 1908.....	36,114.75	2,939.38	.....	39,054.13	40,975.00
5% Garbage System, 1908 .....	20,532.91	2,538.56	.....	23,071.47	32,900.00
5% City Hall, 1912 .....	436,318.32	.....	.....	436,318.32	440,225.00
5% Exposition, 1912 .....	206,415.80	.....	.....	206,415.80	131,525.00
5% Municipal Street Railway, 1913.....	136.45	.....	.....	136.45	200,812.50
Total Footings .....	1,643,427.42	69,810.12	26,323.55	1,739,561.09	1,974,992.25

TREASURER

TREASURER'S RECEIPTS AND EXPENDITURES—Continued

Bond Interest Funds	Taxes	State Tax Refund	Total Credits	Coupons Redeemed
3 1/2 % Sewers, 1904	1,047.19	.....	1,047.19	181,200.00
3 1/2 % Schools, 1904	78,128.18	9,686.58	87,814.76	89,800.00
3 1/2 % Streets, 1904	36,095.70	4,475.86	40,571.56	40,500.00
3 1/2 % County Jail and Hall of Justice, 1904	15,623.11	1,937.32	17,560.43	17,400.00
3 1/2 % Library, 1904	35,563.26	4,409.06	39,972.32	41,100.00
3 1/2 % Playgrounds, 1904	16,165.12	2,004.12	18,169.24	18,500.00
3 1/2 % Golden Gate Park Extension, 1904	7,537.36	935.26	8,472.52	8,200.00
3 1/2 % Mission Park, 1904	6,462.88	801.64	7,264.52	7,300.00
4 1/2 % Polytechnic High, 1910	24,786.49	.....	24,786.49	25,000.00
4 1/2 % Geary Street, 1910	.....	.....	.....	95,000.00
4 1/2 % Market Street Railway, 1910	.....	.....	.....	6,000.00
4 1/2 % Water Supply, 1909	498.21	.....	498.21	.....
4 1/2 % Hospital-Jail Comp., 1913	101,240.43	.....	101,240.43	100,000.00
5 % Garbage System, 1908	44,723.47	4,676.28	49,399.75	50,000.00
5 % Hall of Justice, 1908	44,194.14	3,674.22	47,868.36	50,000.00
5 % Hospital, 1908	95,351.94	6,346.38	101,698.32	100,000.00
5 % Schools, 1908	186,982.79	12,826.36	199,809.15	200,000.00
5 % Sewers, 1908	91,608.64	7,014.42	98,623.06	100,000.00
5 % Fire Protection, 1908	118,381.69	11,690.68	130,072.37	.....
5 % Exposition, 1912	200,441.00	.....	200,441.00	6,000.00
Total Footings	1,104,331.60	70,478.18	1,175,309.78	1,136,000.00

## TRANSFERS IN RE BOND INTEREST AND REDEMPTION FUNDS

	Credit Transfers	Debit Transfers
3 ½ % County Jail and Hall of Justice Interest from County Jail and Hall of Justice Redemption.....	155.25	.....
3 ½ % Mission Park Interest from Loan Transfer Ac- count .....	45.48	.....
3 ½ % Mission Park Interest returned to Loan Account....	.....	45.48
3 ½ % Mission Park Interest to Mission Park Redemp- tion Fund to cover deficit.....	.....	356.70
4 ½ % Market St. Ry. Interest from 4 ½ % Geary St. Ry. Interest to cover interest coupons.....	2,568.45	.....
4 ½ % Geary St. Ry. Interest to 4 ½ % Market St. Ry. Interest .....	.....	2,568.45
4 ½ % Geary St. Ry. Interest from Municipal St. Ry. Fund per Res. No. 13036 to meet Interest Coupons	45,000.00	.....
4 ½ % Polytechnic High Interest to Polytechnic High Re- demption to cover deficit.....	.....	207.51
5 % Sewer Interest to 5 % Sewer Redemption to cover deficit .....	.....	114.86
5 % Hospital Interest to 5 % Hospital Redemption to cover deficit .....	.....	1,154.56
5 % Municipal Railway Interest from Municipal Ry. Fund per Res. No. 13036 to meet Interest coupons	77,000.00	.....
3 ½ % County Jail and Hall of Justice Redemption to Jail Interest .....	.....	155.25
3 ½ % Mission Park Redemption from Mission Park Interest .....	356.70	.....
4 ½ % Polytechnic High Redemption from Polytechnic High Interest .....	207.51	.....
4 ½ % Geary St. Ry. Redemption from Municipal Ry. Depreciation per Res. No. 12899 to meet Redemp- tion of Bonds.....	95,000.00	.....
4 ½ % Market St. Ry. Redemption from Municipal Ry. Depreciation per Res. No. 12899 to meet Redemp- tion of Bonds.....	6,000.00	.....
5 % Hospital Redemption from 5 % Hospital Interest.....	1,154.56	.....
5 % Sewer Redemption from 5 % Sewer Interest.....	114.86	.....
Totals .....	227,602.81	4,602.81



TREASURER'S RECEIPTS AND EXPENDITURES—Continued

	Receipts	Extension	Transfers Permanent Resolution Loan	Total Credits	Disburse- ments	Transfers Permanent Resolution Loan	Total Debits
Funds or Accounts and Information							
3 ½ % Library, 1904		103,569.72					
Sold by Treasurer over Counter to Sundry Purchasers on a 4 ½ % basis, par \$121,000, dis- count price							
Sale of Bonds to City and Coun- ty of S. F., purchased by Treasurer for benefit of Mu- nicipal Ry. Depreciation Fd., par value \$145,500, discount price (4 ½ % basis) per Res. No. 12172 and 12201		125,342.25					
Transferred from Loan Trans- fer Account, Temporary Loan Returned			250,000.00	478,911.97			
Demands					384,303.37		
Transferred to Loan Transfer Account Temporary Loan						250,000.00	634,303.37
3 ½ % Schools, 1904							
Sale of Bonds to City and County of S. F. purchased by Treasurer for benefit of Municipal Ry. Depreciation Fund per Res. No. 12171				8,300.00			
Demands					3,857.25		



TREASURER

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Transferred to 4½% Geary St. Ry. Bond Fund 1910 per Journal Resolution No. 1913				18,186.80	18,906.90
4½% Hetch Hetchy (Water), 1910					
Sale of Bonds by Treasurer over Counter	579,000.00				
old to Blyth, Witter & Co.— par value	2,000,000.00				
premium	200.00				
	2,000,200.00				
Sales of Copies Freeman's Re- port	18.35				
Refund from Sierra Ry. Co.	1.82				
Transferred from Loan Transfer Account, Loan Returned	600,000.00	3,179,220.17	445,009.49		
Demands					
Transferred to Loan Transfer Account, Temporary Loan				600,000.00	1,045,009.49
4½% Hospital-Jail, 1913					
Sale of Bonds by Treasurer over Counter	267,000.00				
Sold to Blyth, Witter & Co.— par	300,000.00				
premium	86.00				
	300,086.00				
Demands		567,086.00			217,804.84
5% Sewers, 1908					
Demands					14,682.80

## TREASURER'S RECEIPTS AND EXPENDITURES—Continued

Funds or Accounts and Information	Receipts	Extension	Transfers Permanent Resolution Loan	Total Credits	Disbursements	Transfers Permanent Resolution Loan	Total Debits
5% School Bonds, 1908							
Transferred from 3½% School Bond Fund, 1904, per Res. No. 13034			5,467.56	5,467.56			
Demands (Paid)							95,598.59
5% Fire Protection, 1908							
Material sold, Board of Works Report		42.85					
Damage to High Pressure System		15.30					
Demands				58.15			12,018.34
5% Garbage, 1908							
Sale of Bonds to City and Co. of S. F., purchased by Treasurer for Investment Fund, under authority Res. No. 11068, maturing July 1, 1916		8,000.00					
Transferred from Loan Transfer Account, Loan Returned			200,000.00	208,000.00			
Demands					990.30		
Transferred to Loan Transfer Account, Temporary Loan						200,000.00	200,990.30







SPECIAL AND UNAPPORTIONED FUNDS, FISCAL YEAR ENDING  
JUNE 30, 1916.

TREASURER'S RECEIPTS, EXPENDITURES AND BALANCES.

RECEIPTS AND CREDIT TRANSFERS.

Balance Cash on Hand June 30, 1915.....		266,715.79
Tax Collector Taxes, Collections Deposited in July, Aug., Sept., Oct., 1915.....	290,194.46	
Tax Collector Commission, on Poll Taxes	2.00	
Redemption Property Sold to the State, Sundry Redemptions .....	36,239.90	
Inheritance Taxes, Collections .....	52,460.42	
County Clerk Special, Superior Court De- posits .....	5,178.83	
Absent Heirs—		
Superior Court Deposits.....	1,598.64	
Transferred from Public Administra- tor Account .....	3,043.16	
	<u>4,641.80</u>	
Public Administrator, Sundry Estates.....	16,742.69	
	<u>405,460.10</u>	
Total .....		\$672,175.89

EXPENDITURES AND DEBIT TRANSFERS.

Tax Collector Taxes—		
Transferred and apportioned to Sun- dry City and County Funds.....		72,320.74
Transferred to Duplicate Tax Fund....		421.30
Credited to State of California, Taxes		1,144.83
Credited to State of California, Poll Taxes .....		6.00
Transferred to Tax Collector Commis- sion .....		2.00
Transferred to Tax Collector Taxes Unapportioned City & Co. Funds Balance as of October 31, 1915		290,194.46
Tax Collector Special: Section No. 3804—		
Transferred and Apportioned to Sun- dry City and County Funds.....	1,356.67	
Credited to State of California.....	305.83	
	<u>1,662.50</u>	
Redemption Property Sold to State—		
Transferred and Apportioned to Sun- dry City and County Funds.....	42,823.24	
Credited to State of California.....	1,049.69	
	<u>43,872.93</u>	



TREASURER

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Inheritance Taxes—		
Appraiser's Fees, etc. ....	3,911.86	
Transferred to Same Account City and County Funds Balance as of August 9, 1915.....	165,965.57	169,877.43
County Clerk Special—		
Superior Court Orders.....	6,130.54	
Transferred to same account City and County Funds Balance as of Au- gust 9, 1915.....	33,843.72	39,974.26
Absent Heirs—		
Superior Court Orders.....	2,598.64	
Personal Property Taxes.....	193.68	2,792.32
Public Administrator—		
Superior Court Orders.....	10,445.41	
Personal Property Taxes.....	16.55	
Transferred to Absent Heir Account..	3,043.16	
State of California Settlement.....	24,879.21	
Commission on Sundry Settlements to General Fund .....	45.54	38,430.87
State School Money—		
State Treasurer's Certificate Cancelled		137.70
Total Debits .....		660,839.34
Balance Cash on Hand June 30, 1916 .....		11,336.55
Total .....		\$672,175.89

BALANCES IN SPECIAL FUNDS, JUNE 30, 1916.

County Clerk Special.....	803.71	
Special Redemption Taxes.....	485.35	
Absent Heirs .....	9,240.21	
Absent Creditors .....	90.15	
Public Administrator .....	717.13	\$11,336.55

S. S. SMITH,  
Bookkeeper.

JOHN E. McDOUGALD,  
Treasurer City and County of San Francisco.

City and County of San Francisco, July 31, 1916.

## PUBLIC MONEYS ON DEPOSIT IN BANKS AS OF JUNE 30, 1916.

Name of Bank	Amount
Alameda Savings, Alameda .....	\$ 45,000.00
Alameda National, Alameda .....	11,250.00
First National Auburn .....	3,790.00
Auburn Savings, Auburn .....	9,000.00
First National, Berkeley .....	37,500.00
Homestead Savings, Berkeley .....	6,000.00
Berkeley Bank of Savings & Trust Co.....	12,500.00
Calistoga National, Calistoga .....	5,500.00
Bank of Campbell .....	3,500.00
Bank of Concord .....	7,500.00
Butte County National, Chico.....	18,000.00
First National, Coalinga .....	4,500.00
Del Norte County, Crescent City.....	5,500.00
First National, Dixon .....	7,125.00
Commercial Durham .....	9,000.00
Ferndale .....	7,000.00
First National, Fresno .....	27,000.00
Union National, Fresno .....	16,950.00
First National, Fort Bragg.....	23,750.00
Bank of Gilroy .....	7,500.00
Scott Valley, Fort Jones.....	15,000.00
Bank of Folsom .....	2,500.00
First National, Healdsburg .....	6,750.00
The Healdsburg National, Healdsburg .....	9,000.00
The Healdsburg Savings, Healdsburg.....	5,500.00
Livermore Valley Savings, Livermore.....	5,500.00
First National, Livermore .....	10,500.00
Farmers and Merchants, Livermore.....	9,650.00
Livermore Savings, Livermore .....	10,350.00
Bank of Loleta .....	4,000.00
Bank of Lompoc .....	7,500.00
First National, Merced .....	1,350.00
The Rideout, Marysville .....	25,000.00
First National, Napa .....	5,500.00
Citizens, Nevada City .....	27,250.00
Central National, Oakland .....	7,500.00
Central Savings, Oakland .....	26,250.00
First Savings, Oakland .....	30,000.00
First National, Palo Alto.....	7,500.00
Petaluma National, Petaluma .....	40,000.00
Petaluma Savings, Petaluma .....	19,500.00
Sonoma County National, Petaluma.....	59,000.00
California Savings, Petaluma .....	21,000.00
Petaluma Swiss American, Petaluma.....	14,000.00
Contra Costa County, Pittsburg.....	7,500.00
A. Mierson Banking Corp., Placerville.....	12,500.00
First National, Pleasanton .....	5,400.00
Northern California National, Redding.....	11,250.00
California National, Sacramento .....	37,000.00
National Bank of D. O. Mills & Co., Sacramento.....	27,150.00
California Savings, Sacramento .....	15,000.00
Salinas City .....	20,000.00

Monterey County, Salinas .....	7,500.00
National Bank, San Mateo .....	22,500.00
San Francisco Banks—	
French American Bank of Savings.....	175,000.00
First Federal Trust .....	177,250.00
Portuguese American .....	66,000.00
Italian American .....	157,000.00
Mission Bank .....	26,250.00
California National, N. A. ....	346,875.00
Wells Fargo Nevada National.....	525,000.00
Merchants National .....	288,000.00
Union Trust Co. ....	332,812.50
Anglo London & Paris National.....	450,000.00
Mutual Savings .....	60,000.00
Bank of Italy .....	409,000.00
Anglo Calif. Trust .....	118,875.00
Seaboard National .....	67,500.00
Mercantile National .....	300,000.00
American National .....	96,300.00
First National, Sebastopol .....	19,380.00
First National, San Pedro.....	5,250.00
Union National, San Luis Obispo.....	4,500.00
Savings Bank of St. Helena.....	12,500.00
Santa Rosa .....	41,250.00
Santa Rosa National .....	42,000.00
First National, Sonora .....	34,000.00
First National, Suisun .....	17,000.00
Commercial & Savings, Stockton.....	33,750.00
San Joaquin Valley National, Stockton.....	100,000.00
National Bank Tulare .....	10,500.00
Peoples State, Turlock .....	6,900.00
Bank of Tomales .....	18,000.00
Vallejo Commercial .....	22,500.00
Dairymen, Valley Ford .....	13,000.00
San Ramon Valley, Walnut Creek.....	12,750.00
Farmers, Wheatland .....	12,900.00

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\$4,805,807.50

JOHN E. McDOUGALD,  
Treasurer City and County San Francisco.

# Horticultural Commissioner

REPORT OF HORTICULTURAL COMMISSIONER FOR THE CITY AND  
COUNTY OF SAN FRANCISCO FROM AUGUST 10, 1915,  
JUNE 30, 1916.

The period of time covered by this report is ten months and twenty days, beginning when the office was created by the Board of Supervisors and approved of by the Mayor, in August, 1915, and ending with the fiscal year, June 30th, 1916.

Seedmen, florists, nurserymen and merchants dealing in fruit products have all sought inspection certificates from this office. Federal and state laws now restrict the shipping of plants and plant products unless they bear a duly authorized certificate of inspection indicating that they are reasonably free from insect pests and plant diseases and transportation companies have in many cases refused to accept these shipments unless the certificate accompanies them. We have prepared three forms of certificates to meet the various conditions, they may be designated as follows: (1) tags; (2) Red stickers; (3) Certificates of inspection. The following tabulation indicates how these have been used during the last fiscal year.

(1) Tags are attached to bundles or boxes containing nursery stock, and their use is limited. They have been attached to the following packages:

- 31 boxes or bales of nursery stock going to points in California.
- 21 packages of nursery stock for Oregon, Washington, and eastern states.
- 3 packages for foreign destination.

—  
55 total.

(2) Red Stickers are attached to individual plants, boxes containing fruit, or to packages of bulbs, plants and cuttings passing through the mails or going by express. They have been used as follows:

- 397 packages going to points in California.
- 816 packages going to Oregon, Washington and eastern states.  
(The above listed packages were sent by individuals and most were held for inspection at the postoffice.)
- 10,393 packages sent out by seedmen, and florists directly from their stores. No. record of destination.
- 80 fruits, Mexican limes to Seattle.
- 10 grapefruit to New Jersey.

—  
11,696 total red stickers used for domestic trade.

- 10 packages for China.
- 6 packages for Japan.
- 175 packages for Manila.
- 2 packages for Honolulu.
- 2 packages for England.
- 3 packages for Australia.
- 1 package for Korea.
- 1 package for Vancouver, B. C.
- 1 package for Denmark.

—  
201 total packages for foreign destination.

11,897 total number of red stickers used.

(3) Certificates of Inspection are issued to accompany larger shipments of plants, potatoes, onions and fruits which are usually sent to distant or foreign places. Each certificate specifies the name of owner or shipper, the number of packages, contents, where the products were grown, the name of the consignee, and it also indicates that the contents are reasonably free from insect pests and plant diseases. Products and their destination accompanied by certificates may be classified as follows:

Domestic Trade—

Potatoes:

10,450 boxes or sacks for Oregon or Washington.  
83 boxes or sacks for eastern states.

Foreign Trade—

Potatoes:

5,480 crates or sacks for Australia.  
3,800 crates or sacks for New Zealand.  
411 crates or sacks for Canada.  
5 crates for Samoa.

---

20,229 total potatoes.

Onions:

3,000 crates for Australia.  
11,004 crates for New Zealand.  
1,000 crates for Alaska.  
2 crates for Samoa.

---

15,006 total onions for foreign trade.

Garlic:

30 for Australia.

Fruits:

111 Oranges for New Zealand.  
30 Oranges for Samoa.  
20 Grapefruit for New Zealand.

---

161 total packages fruits for foreign trade.

Totals:

Potatoes ..	20,229
Onions ..	15,006
Garlic ..	30
Fruits ..	161
<hr/>	
Packages forwarded under inspection certificates.....	35,426
Tags ..	55
Red Stickers ..	11,897
Inspection Certificates ..	35,426
<hr/>	
Total ..	47,378

ARTICLES CONDEMNED.

Articles have been destroyed or returned to the shipper only in extreme cases. One shipment of 52 bags of green bell peppers was confiscated and dumped at sea. The peppers were found to be badly decayed and infested with maggots. Two shipments of cull apples which were rotting and badly infested with codling moth worms, were ordered returned to the shippers. In each case

we advised the horticultural commissioner and the Chamber of Commerce in the districts to which the products were returned, that in the future we would continue to destroy or return cull products which were infested or not fit for food.

Many applications for certificates of inspection for potatoes were denied because of the presence of the potato tuber moth. These potatoes however were fit for food and were sold locally or were sent to states other than Oregon and Washington, where no quarantines against California grown potatoes exist.

The foregoing report is respectfully submitted as a complete summary of the records of the Horticultural Commissioner ending with the last fiscal year.

DUDLEY MOULTON,

Commissioner.

# Report of County Clerk

San Francisco, July 1st, 1916.

Hon. James Rolph, Jr.

Mayor of the City and County of San Francisco.

Dear Sir:

In compliance with Section 9, Article XVI, of the Charter of the City and County of San Francisco, I submit herewith the annual report of the office of County Clerk, for the fiscal year 1915-1916.

As may be seen by reference to the Financial Statement hereto attached, the office has not only been self-sustaining during the ten years of my incumbency, but has been a source of profit to the City and County, earning in excess of running expenses the sum of \$616,661.15.

Respectfully submitted,

H. I. MULCREVY,

County Clerk of San Francisco and ex-Officio  
Clerk of the Superior Court Thereof.

## FINANCIAL STATEMENT, FIRST HALF FISCAL YEAR 1915-1916, ENDING DECEMBER 31, 1915.

Departments	July	August	September	October	November	December	Totals
General Department .....	\$ 3,902.50	\$ 3,884.70	\$ 3,766.00	\$ 4,179.00	\$ 3,676.00	\$ 3,919.00	\$23,334.20
Quiet Title Department.....	232.20	238.95	206.10	199.10	223.80	239.70	1,339.85
Civil Department .....	1,126.75	1,341.25	1,289.40	1,335.90	1,382.25	1,378.00	7,853.55
Probate Department .....	1,381.75	1,102.15	1,207.00	1,146.20	1,199.50	1,405.25	7,441.85
Naturalization Department .....	296.50	375.50	326.00	328.00	317.00	301.00	1,944.00
Marriage License Department.....	1,208.00	1,238.00	1,230.50	1,227.50	1,324.00	1,268.50	7,496.50
Fines and Forfeitures — Superior Court .....	.....	.....	250.00	.....	200.00	.....	450.00
Fines and Forfeitures—Police Court .....	2,616.00	2,185.00	2,213.00	2,090.00	2,479.00	1,440.00	13,023.00
Law Library Fees.....	1,237.00	1,305.00	1,218.00	1,246.00	1,213.00	1,298.00	7,517.00
Receipts .....	\$12,007.70	\$11,670.55	\$11,706.00	\$11,751.70	\$12,014.55	\$11,249.45	\$70,399.95
Disbursements, Salaries .....	8,983.33 1/2	8,983.33 1/2	8,983.33 1/2	8,983.33 1/2	8,983.33 1/2	8,983.33 1/2	53,900.00
Excess of Receipts.....	\$ 3,024.36 3/4	\$ 2,687.21 3/4	\$ 2,722.66 3/4	\$ 2,768.36 3/4	\$ 3,031.21 3/4	\$ 2,266.11 3/4	\$16,499.95





## GENERAL DEPARTMENT.

	Totals
Civil Suits Filed—	
From April 18, 1906, to June 30, 1915.....	66,667
From July 1, 1915, to June 30, 1916.....	8,222
	<u>74,889</u>
Adoptions Filed—	
From April 18, 1906, to June 30, 1915.....	526
From July 1, 1915, to June 30, 1916.....	66
	<u>592</u>
Certificates of Incorporation Filed—	
From April 18, 1906, to June 30, 1915.....	13,393
From July 1, 1915, to June 30, 1916.....	854
	<u>14,247</u>
Certificates of Co-partnership Filed—	
From April 18, 1906, to June 30, 1915.....	2,253
From July 1, 1915, to June 30, 1916.....	512
	<u>2,765</u>
Special Co-partnerships Filed—	
From April 18, 1906, to June 30, 1915.....	33
From July 1, 1915, to June 30, 1916.....	3
	<u>36</u>
Auctioneers' Bonds Filed—	
From April 18, 1906, to June 30, 1915.....	138
From July 1, 1915, to June 30, 1916.....	5
	<u>143</u>
Official and Notarial Bonds Filed—	
From April 18, 1906, to June 30, 1915.....	157
From July 1, 1915, to June 30, 1916.....	15
	<u>172</u>
Oaths of Office Filed—	
From April 18, 1906, to June 30, 1915.....	2,460
From July 1, 1915, to June 30, 1916.....	527
	<u>2,987</u>
Candidates' Statements Filed—	
From April 18, 1906, to June 30, 1915.....	159
From July 1, 1915, to June 30, 1916.....	2
	<u>161</u>
Surety Company Certificates Filed—	
From April 18, 1906, to June 30, 1915.....	49
From July 1, 1915, to June 30, 1916.....	6
	<u>55</u>
Superintendent Banks Certificates Filed—	
From July 1, 1909, to June 30, 1916.....	42
	<u>42</u>
Torrens Land Act—	
From April 18, 1906, to June 30, 1916.....	7
	<u>7</u>
Certificates of Appointment of Humane Officers Filed—	
From July 1, 1913, to June 30, 1915.....	332
From July 1, 1915, to June 30, 1916.....	69
	<u>401</u>

CIVIL DEPARTMENT.

Number of Civil Actions Filed—		Totals.
From April 18, 1906, to June 30, 1916.....		74,889
Number of Civil Actions Pending June 30, 1915.....	23,249	
Number of Civil Actions Filed—		
From July 1, 1915, to June 30, 1916.....	8,222	
		<u>31,471</u>
Number of Actions Adjudicated.....	4,264	
Number of Actions Dismissed.....	2,227	
Number of Actions Transferred.....	36	
Number of Actions Pending June 30, 1916.....	24,944	
		<u>31,471</u>

REMITTITURS FROM SUPREME COURT.

Remittiturs Filed—		
From April 18, 1906, to June 30, 1916.....		1,360
Remittiturs Filed—		
From July 1, 1915, to June 30, 1916.....		191
Remittitur Affirmed .....	106	
Remittiturs Reversed .....	36	
Remittiturs Dismissed .....	49	
		<u>191</u>

JUSTICE COURT APPEALS.

Number of Appeals Filed—		
From April 18, 1906, to June 30, 1916.....		2,772
Number of Appeals Pending June 30, 1915.....	330	
Number of Appeals Filed—		
From July 1, 1915, to June 30, 1916.....	404	
		<u>734</u>
Number of Appeals Adjudicated.....	296	
Number of Appeals Dismissed.....	16	
Number of Appeals Pending June 30, 1916.....	422	
		<u>734</u>
Abstracts from Justice Court Filed—		
From April 18, 1906, to June 30, 1915.....	2,032	
From July 1, 1915, to June 30, 1916.....	248	
		<u>2,280</u>

QUIET TITLE DEPARTMENT.

(McEnerney Act.)

Number of Actions Filed—		
From June 16, 1906, to June 30, 1916.....		35,830
Number of Actions Pending June 30, 1915.....	840	
From July 1, 1915, to June 30, 1916.....	370	
		<u>1,210</u>
Number of Actions Adjudicated.....	441	
Number of Actions Pending June 30, 1916.....	769	
		<u>1,210</u>

## PROBATE DEPARTMENT.

Fiscal Year	Estate Commenced					Restored	Missing Persons	LETTERS ISSUED					Totals
	Deceased		Guardianship					Testamentary	Administration	Administration with Will	Special	Guardianship	
	Testate	Intestate	Minor	Incompetent	Insane								
1906-1915 ..	4951	8522	2008	521	244	3047	3	3946	8279	1030	950	2598	19,296
1915-1916 ..	641	903	210	85	19	22	.....	505	882	139	77	305	1,880
Totals ....	5592	9425	2218	606	263	3069	3	4451	9161	1169	1027	2903	21,176

Number of Actions Pending June 30, 1915.....	11,990	
Number of Actions Filed from July 1, 1915, to June 30, 1916....	1,880	
		13,870
Number of Actions Adjudicated.....	1,802	
Number of Actions Pending June 30, 1916.....	12,068	
		13,870

## LICENSE DEPARTMENT.

## CERTIFICATES RECORDED.

Fiscal Year	Marriage Licenses Issued	Medical	Dental	Optometry	Veterinary Certificates Filed	Osteopathy	Pharmacy	Miscellaneous	Chiroprody
1906-1915 .....	47,379	1,122	334	184	20	132	96	397	.....
1915-1916 .....	6,542	102	58	6	.....	1	29	18	59
Totals .....	53,921	1,224	392	190	20	133	125	415	59

## NATURALIZATION DEPARTMENT.

Old Law—	Totals.
Declarations of Intention Issued:	
From April 18, 1906, to September 30, 1906.....	572
Naturalization of Aliens:	
From April 18, 1906, to September 30, 1906.....	148
 New Law—	
Declarations of Intention Issued:	
From October 1, 1906, to June 30, 1915.....	9,141
From July 1, 1915, to June 30, 1916.....	84
	9,225
Certified Copies of Declarations of Intention Issued:	
From October 1, 1906, to June 30, 1915.....	247
From July 1, 1915, to June 30, 1916.....	13
	260
Declarations of Intention Cancelled:	
From October 1, 1906, to June 30, 1916.....	10
Naturalization Petitions Filed:	
From October 1, 1906, to June 30, 1916.....	12,913
Naturalization Petitions Pending June 30, 1915.....	559
Naturalization Petitions Filed:	
From July 1, 1915, to June 30, 1916.....	1,870
	2,429
Naturalization Petitions Granted.....	1,664
Naturalization Petitions Denied.....	105
Naturalization Petitions Cancelled.....	.....
Naturalization Petitions Pending June 30, 1916.....	660
	2,429
Certified Copies of Certificates of Naturalization Issued:	
From October 1, 1906, to June 30, 1915.....	105
From July 1, 1915, to June 30, 1916.....	50
	155

## RESTORATION OF NATURALIZATION RECORDS.

(Old Law.)

Petitions Filed—	
From April 18, 1906, to June 30, 1916.....	6,254
Petitions Pending June 30, 1915.....	511
Petitions Filed—	
From July 1, 1915, to June 30, 1916.....	334
	845
Petitions Granted .....	302
Petitions Denied .....	363
Petitions Canceled .....	.....
Petitions Pending June 30, 1916.....	180
	845
Naturalization Records Canceled by the U. S. Court—	
To June 30, 1916.....	73

## CRIMINAL DEPARTMENT.

	Totals.
Total Number of Criminal Actions Filed from April 18, 1906, to June 30, 1916.....	7,957
Informations Pending June 30, 1915 (Defendants).....	242
Informations Filed Year Ending June 30, 1916 (668). Defendants .....	769
	1,011
Convicted and Sent to Prison.....	251
Convicted and Fined.....	2
Acquitted .....	111
Dismissed .....	95
Convicted and Admitted to Probation.....	223
Transferred to Juvenile Court.....	3
Reserve Calendar—Being Fugitives from Justice, Committed to Insane Asylum or Convicted on Other Charges.....	51
Committed to Preston School of Industry.....	13
Pending .....	262
	1,011
Probation Revoked and Set Aside (Defendants Committed to Prison) .....	8
Accusations Pending .....	2
Indictments Pending June 30, 1916 (Defendants).....	81
Indictments Filed Year Ending June 30, 1916 (87). Defendants .....	115
	196
Convicted and Sent to Prison.....	17
Acquitted .....	9
Dismissed .....	13
Probation .....	10
Pending .....	147
	196
Writs of Habeas Corpus:	
Writs Pending June 30, 1915.....	33
Writs Issued Year Ending June 30, 1916.....	99
	132
Writs Granted .....	27
Writs Denied .....	34
Writs Dismissed .....	24
Writs Withdrawn .....	7
Writs Pending .....	40
	132
Commitments from Police Court Filed—	
From April 18, 1906, to June 30, 1915.....	4,644
From July 1, 1915, to June 30, 1916.....	754
	5,398
Appeals from Police Court—	
Appeals Pending June 30, 1915.....	30
Appeals Filed from July 1, 1915, to June 30, 1916.....	33
	63
Appeals Affirmed .....	13
Appeals Modified .....	14
Appeals Reversed .....	21
Appeals on Reserve Calendar.....	1
Appeals Pending .....	14
	63

CRIMINAL DEPARTMENT—Continued

	Totals
Appeals to District Court of Appeals—	
Appeals Pending June 30, 1915.....	7
Appeals Filed from July 1, 1915, to June 30, 1916.....	27
	34
Appeals Affirmed .....	15
Appeals Reversed .....	1
Appeals Dismissed .....	1
Appeals Withdrawn .....	9
Appeals Pending .....	8
	34
Number of Coroner's Testimony of Inquests Filed—	
From April 18, 1906, to June 30, 1915.....	4,146
From July 1, 1915, to June 30, 1916.....	622
	4,768

JUVENILE COURT.

Petitions for Commitment of Dependent Children—	
Total Number of Petitions Filed from April 18, 1906, to June 30, 1916 (6,887), Number of Children.....	9,449
Total Number of Petitions Filed from July 1, 1915, to June 30, 1916 (916), Number of Children.....	1,236
Total Number of Dependent Children Under the Jurisdiction of the Juvenile Court from July 1, 1915, to June 30, 1916.....	650
Number of Delinquency Cases Filed—	
From July 1, 1912, to June 30, 1916.....	2,734
Number of Cases Pending June 30, 1915.....	30
Number of Cases Filed—	
From July 1, 1915, to June 30, 1916.....	916
	946
Number of Cases Adjudicated.....	236
Number of Cases Dismissed.....	269
Number of Cases Ordered Off Calendar.....	411
Number of Cases Pending June 30, 1916.....	30
	946
Number of Contributory Cases Filed—	
From July 1, 1912, to June 30, 1916.....	216
Number of Cases Pending June 30, 1915.....	6
Number of Cases Filed—	
From July 1, 1915, to June 30, 1916.....	70
	76
Number of Cases Adjudicated.....	16
Number of Cases Dismissed.....	42
Number of Cases Ordered Off Calendar.....	12
Number of Cases Pending June 30, 1916.....	6
	76

## STATE HOSPITAL DEPARTMENT.

Number of Examinations of Insane Persons—		Totals.
From April 18, 1906, to June 30, 1915.....	5,860	
From July 1, 1915, to June 30, 1916.....	734	
	<hr/>	6,594
Number Committed to State Hospital—		
From April 18, 1906, to June 30, 1915.....	4,163	
From July 1, 1915, to June 30, 1916.....	628	
	<hr/>	4,791
Number Examined and Discharged—		
From April 18, 1906, to June 30, 1915.....	1,687	
From July 1, 1915, to June 30, 1916.....	106	
	<hr/>	1,793
Died—		
From April 18, 1906, to June 30, 1915.....	10	
From July 1, 1915, to June 30, 1916.....	.....	
	<hr/>	10
Number of Persons (Insane) Discharged from State Hospital—		
From April 18, 1906, to June 30, 1915.....	1,573	
From July 1, 1915, to June 30, 1916.....	288	
	<hr/>	1,861

## COMMITMENTS TO STATE HOSPITAL FOR INTEMPERANCE AND USE OF DRUGS.

Number of Examinations—		
From July 1, 1911, to June 30, 1915.....	1,145	
From July 1, 1915, to June 30, 1916.....	428	
	<hr/>	1,573
Number Committed to State Hospital—		
From July 1, 1911, to June 30, 1915.....	954	
From July 1, 1915, to June 30, 1916.....	362	
	<hr/>	1,316
Number Discharged by Commissioners—		
From July 1, 1911, to June 30, 1915.....	190	
From July 1, 1915, to June 30, 1916.....	66	
	<hr/>	256
Number Discharged from State Hospital—		
From July 1, 1911, to June 30, 1915.....	633	
From July 1, 1915, to June 30, 1916.....	228	
	<hr/>	861

## HOME FOR FEEBLE MINDED.

Number of Examinations—		
From April 18, 1906, to June 30, 1915.....	217	
From July 1, 1915, to June 30, 1916.....	26	
	<hr/>	243
Committed to Feeble Minded Home—		
From April 18, 1906, to June 30, 1915.....	215	
From July 1, 1915, to June 30, 1916.....	26	
	<hr/>	241
Number Examined and Discharged—		
From July 1, 1907, to June 30, 1915.....	2	
From July 1, 1915, to June 30, 1916.....	.....	
	<hr/>	2



POLICE COURT.

Number of Misdemeanors Filed—		Totals.
From January 1, 1912, to June 30, 1916.....		103,679
Number of Misdemeanors Pending June 30, 1915.....	262	
Number of Misdemeanors Filed—		
From July 1, 1915, to June 30, 1916.....	31,564	
	<hr/>	31,826
Number of Misdemeanors Dismissed.....	26,056	
Number of Convictions.....	5,211	
Number of Misdemeanors Pending June 30, 1916.....	559	
	<hr/>	31,826
Number of Felonies Filed—		
From January 1, 1912, to June 30, 1916.....		12,201
Number of Felonies Pending June 30, 1915.....	649	
Number of Felonies Filed—		
From July 1, 1915, to June 30, 1916.....	3,039	
	<hr/>	3,688
Number of Felonies Held to Answer.....	754	
Number of Felonies Dismissed.....	2,147	
Number of Felonies Pending June 30, 1916..	787	
	<hr/>	3,688

APPEALS.

Appeals Taken from July 1, 1912, to June 30, 1916.....		208
Appeals Pending June 30, 1915.....	30	
Appeals Taken from July 1, 1915, to June 30, 1916.....	33	
	<hr/>	63
Appeals Affirmed .....	13	
Appeals Modified .....	14	
Appeals Reversed .....	21	
Appeals Dismissed .....		
Reserve Calendar .....	1	
Appeals Pending June 30, 1916.....	14	
	<hr/>	63

# Department of Weights and Measures

Hon. James Rolph, Jr., Mayor,  
 Hon. Board of Supervisors,  
 San Francisco, Cal.

Gentlemen:—I have the honor to submit the annual report of the work performed by the Department of Weights and Measures for the fiscal year 1915 1916.

## WEIGHING AND MEASURING APPARATUS INSPECTED.

	Approved	Condemned and Confiscated
<b>Scales</b>		
Counter Scales .....	1,527	
Spring Scales .....	3,571	
Computing Scales .....	2,132	
Portable Platform Scales .....	1,132	
Dormant Platform Scales .....	346	
Suspension Beam Scales .....	141	
Railway Track Scales .....	41	
Miscellaneous Scales .....	6	739
<b>Total Scales</b> .....	8,896	739
<b>Measures (Liquid)</b>		
Measures (Liquid) .....	5,571	1,368
Measures (Lineal) .....	76	
<b>Total Measures</b> .....	5,647	1,368
<b>Weights</b>		
Weights .....	6,068	483
<b>Total Weights</b> .....	6,068	483
<b>Milk Bottles Designated Liquid Capacity</b>		
Milk Bottles Designated Liquid Capacity.....	1,681,728	55,634
<b>Total Milk Bottles</b> .....	1,681,728	55,634
<b>Merchandise in Packages or re-weighed and measured</b>		
Merchandise in Packages or re-weighed and measured....	39,940	9,634
<b>Total Packages</b> .....	39,940	9,634
<b>Total Inspections</b> .....	1,742,279	67,858
<b>GRAND TOTALS.</b>		
<b>Scales</b>		
Scales .....	8,896	739
Measures .....	5,647	1,368
Weights .....	6,068	483
Milk Bottles .....	1,681,728	55,634
Packages .....	39,940	9,634
Arrests and Prosecutions .....	33	
<b>Total</b> .....	1,742,312	67,858

## GENERAL OUTLINE.

I take occasion at this time to refer to the work of the Department for the previous year 1914-1915, a period really covering our first year of practical efficiency, when the matter of weight and measure regulation by law in San Francisco, was prosecuted by wholesale confiscation and destruction of 25,000 pieces of inaccurate weighing and measuring devices encountered in use among the trade, and to call to your attention the item of confiscation and condemnation of scales, weights and measures during the past year, numbering 2,530, exclusive of milk bottles as compared to the year previous.

In citing to you this comparison and vast decrease of faulty apparatus in so short a period, I feel that the success of our work in this one particular line of our duties, has not alone been zealously prosecuted, but a large result has been accomplished in the almost absolute suppression of inaccurate weighing and measuring devices among our merchant trade, that for years had dealt out to the purchasing public millions of dollars worth of commodities and merchandise of all kinds, over dishonest scales and short capacity measures. The satisfaction that I feel by reason of this one accomplishment, should be shared in by every honest dealer and storekeeper who must surely feel that his particular business, together with all others in the city of San Francisco, is now on a more equal basis of competition.

## NIGHT INSPECTION AND PURCHASING OF COMMODITIES.

Weights and measures practically enter into every business transaction in the bargain and sale of merchandise, and while effective inspection of weighing and measuring apparatus prevents dishonesty to a certain extent, there is to be further considered the retailer with unscrupulous motives, always bent on skimping the weight of food stuffs he deals out to the public no matter how accurate his weighing and measuring devices may be.

While it is true that in most instances the absolute loss is not great, however for a large city the aggregate is enormous during a fiscal year, and the poorer classes are the greater sufferers, for they purchase frequently in small quantities and a slight quantity means proportionately more in small purchases. Therefore, with the weighing and measuring apparatus throughout the city in a high state of accuracy, it is my intention this year to allot some time of the deputies of the department, particularly on Saturday evenings, to visit markets and stores, and make small purchases of food stuffs and other articles of merchandise, through which method of inspection work the city can be canvassed and so uncover and prosecute the dealer found surreptitious of skimping weight and measure, no matter how small the shortage may be.

While my first consideration is that the average tradesman is honest, it is nevertheless a matter of public concern that the consumers be protected from sharp practices, whether due to carelessness or "Trade Custom" or by weighing paper or other containers in the weight of the commodity without attracting the attention of the customer.

## STATE DEPARTMENT REGULATIONS.

In conjunction with the efforts of your Department to enforce honest weight and measure in every transaction had between the purchasing public and the dealer during the past year, I must say in this connection that many valuable and exceedingly practical recommendations have been received from the State Superintendent of Weights and Measures, Mr. Chas. G. Johnson.

Under the State statute the Superintendent is empowered to issue regulations governing the manner of sale of commodities of all kinds, which regulation becomes arbitrary on the manufacturer, packer, retailer or jobber, the enforcement of which is placed in the hands of the county Sealers of the State,

and such efforts of the State Superintendent to make honest dealing and equal competition so vital to community welfare, is of tremendous assistance to the work of your Department and marks the commencement of elimination in California of many trade customs and sharp practices.

Notably among the regulations issued by the State Department are:

Net weight, net measure and net count, exclusive of wrappers or containers of every article of food product and merchandise in general.

Enforcement of the Public Weighmaster Law, placing every public weigher in the State under a \$1,000 bond and the issuing of a State form of receipt, thereby assuring a moral and financial responsibility for their acts.

Enforcing numerical net count of Shingles and Lath, making it no longer possible for the trade custom to prevail of delivering four (4) bundles to the 1,000 that contained a count of 800.

Requiring Creameries and Dairies to put up butter in one pound and two (2) pound squares only, unless sold from bulk.

Regulating the marketing of containers in the sale of olives.

Fixing a standard weight of berries when offered for sale in baskets or containers.

Fixing a standard of Liquid Measure on paper pails used in the sale of food stuffs, also ice cream containers, and many other opinions and regulations of valuable assistance in weights and measure work for the protection of the consumer.

#### MISREPRESENTATION IN SALE OF MERCHANDISE.

So accustomed have the public become to register nearly all their grievances arising in the purchasing of merchandise of every description with your Department of Weights and Measures, that investigating these grievances occupies considerable time. This character of our work I consider a most important factor as it originates directly from solicitations of the public, who have not been able heretofore to register complaints of such character with any other department of the city government; notably among complaints filed, was that of the Mission Merchants Association, complaining of the legitimate business of the members of their association being impaired through the operations of a gang of Salvage Dealers setting up fake sales of merchandise in their vicinity, extensively advertising fire and water damaged goods as staple articles, at greatly reduced prices.

My investigation in this matter proved the complaint of the merchants to be well founded, and assuming authority for arresting and prosecuting the salvage gang from Ordinance (2359) of the Board of Supervisors, which prohibits false advertising and misrepresentation of the sale of merchandise, I successfully secured convictions of six of the leading salvage dealers. The arrests, convictions and public exposure of their character of business had the necessary moral effect of protecting to a great extent, the legitimate trade of the reputable retailers.

Quite a number of unscrupulous retail grocers were encountered falsely advertising food-stuffs, to the extreme disadvantage of the mass of legitimate grocers of San Francisco, on whom I invoked the authority of the misrepresentation Ordinance (2359) putting a stop to the nefarious practice of imposing on the public, and I take this occasion to state that the Ordinance mentioned, under which this department cleared up the evils complained of, is one of the most valuable laws of our municipality.

#### COMMODITIES OF THE HOUSEHOLD.

It gives me great pleasure to report that fair dealing, honest weight and honest measure predominates in nearly all branches of the retail trade through-

out the city, and the condition as encountered in 1914-1915 compared to the closing year is gratifying in the fullest degree.

#### COAL.

The "Coal Ordinance" has likewise made a wonderful reform in the sale of that commodity. The dealer who had been guilty of short weighing is confronted with the possibility of being checked up en route with their deliveries, and when found short weight in comparison with their delivery tags, placed under arrest, prosecuted and fined. This has had the desired effect of guaranteeing honest weight deliveries. Deputies of the Department are constantly weighing up loads encountered on our public streets and the number of discrepancies are extremely minimum.

#### BREAD.

The Bread Ordinance passed by your Honorable Board and approved by his Honor, the Mayor, April 8, 1914, providing that all bread sold or offered for sale shall weigh not less than twelve (12) ounces avoirdupois, also that bread may be sold in single, double, triple, quadruple, quintuple and sextuple loaves and in no other way, has worked a great benefit to every household in the city. The bakers contention, when the Ordinance was up for passage by your Honorable Board, to the effect that the weight of the loaf fluctuated with the price of flour, has ceased to be agitated, and the Bread Ordinance at this date is looked upon by the bakers of San Francisco as one of their biggest assets in regulating equal and fair competition.

#### BUTTER.

This staple commodity so essential in every household is reaching the consumers in absolute standard weight, as evidenced from the records of this department. As reported to you in my findings during our first year of activity, that the erroneous condition of the weight of butter in squares or prints, which is the customary manner of sale by which the commodity reaches the consumer, was almost entirely chargeable to the creameries of the state engaged in supplying this market, was well founded, and I am pleased to say, checked through a regulation of the State Department.

Creameries are now compelled when putting up butter in rolls or prints to conform to a standard size of one (1) pound and two (2) pound squares unless otherwise sold in cubes and in no other way. This regulation eliminates the marketing of one and one-half (1½) pound squares, and other irregular fractions that for years had been sold by dealers, resulting in misleading and deceiving the public.

#### MILK BOTTLES.

Much though, time and study of the department was also given in bringing about accurate capacity in milk bottles used in the distribution of milk in San Francisco, and I am pleased to report that a solution of the problem was accomplished under an arrangement perfected by State Superintendent of Weights and Measures, Mr. Chas. G. Johnson, and this department, with the Glass Manufacturers and manufacturers agents in San Francisco, providing an inspection through which it is almost impossible for short measure milk bottles to reach the consumers of the city, or throughout the State of California, as San Francisco is the distributing point for a large percentage of the milk bottles used in the State. Certificates approving 1,681,728 milk bottles were issued in the past year, during which time confiscations of 55,634 took place.

#### GASOLINE AND GASOLINE PUMPS.

A systematic inspection has been rigidly made on pumping apparatus used in the sale of gasoline to automobile owners to see that the same delivers accu-

rate measure, and from the minimum number of complaints of short measure called to my attention I feel assured the public is being fairly dealt with in that respect, but I do submit and contend that in the sale of gasoline during the past year no grosser deceit, deception and fraud could possibly be practiced on the public, than has taken place in the sale of gasoline through the substitution of distillate, and charging the consumer therefore gasoline prices. An attempt was made by this department to check the gigantic fraud which is going on by making an arrest of a large oil concern for misrepresentation of merchandise, but due to the fact that there is no ordinance in San Francisco, or any other regulation legally stipulating that a commodity termed "gasoline" is a specific product, and not a custom term for a certain gravity distillate, I was compelled to drop the proceedings. This Department reported to the Fire Committee of the Board of Supervisors, the condition existing in the substitution of gasoline for distillate, requesting that an ordinance be passed establishing a specific gravity on the product commonly and customarily termed "gasoline" permitted to be sold in San Francisco. The proposed Ordinance is at the present time under consideration by the Committee, for its promulgation into form to effectively standardise gasoline and regulate its sale, the prosecution of which with our many other routine duties I will be pleased to enforce.

In conclusion will state (though this department has been handicapped in its work for a few months through moving the offices) we are now permanently located in offices on the ground floor of the new City Hall, adaptable for the inspection work of the Department and with every convenience to the public, and it affords me extreme pleasure to inform you that San Francisco today possesses as fine and complete a set of Standard Weights and Measures as can be found in any Sealers office in the United States.

In will be my endeavor to keep the work of the Department up to a high standard during the current year.

Respectfully submitted,

LAWRENCE J. DOLAN,  
Sealer of Weights and Measures.

# Report of Chief of Police

To the Honorable James Rolph, Jr.,

Mayor of the City and County of San Francisco, State of California.

Sir:—In compliance with Section 9, Article XVI, of the Charter I submit herewith the Annual Report of the Police Department for fiscal year ending June 30, 1916.

Very respectfully,

D. A. WHITE,

Chief of Police.

## CHIEF OF POLICE

## EXHIBIT "A"

STRENGTH OF THE POLICE DEPARTMENT AND SUMMARY OF ACTION  
 TAKEN BY THE BOARD OF POLICE COMMISSIONERS IN THE  
 TRIAL OF COMPLAINTS AGAINST MEMBERS THEREOF  
 DURING THE FISCAL YEAR ENDING JUNE  
 30, 1916.

## BOARD OF POLICE COMMISSIONERS JUNE 30, 1916.

Theodore J. Roche.....	Commissioner and President of the Board
James Woods .....	Commissioner
Jesse B. Cook.....	Commissioner
Thomas E. Shumate.....	Commissioner

CHARLES F. SKELLY, Secretary.

NUMERICAL STRENGTH AND RANK OF THE DEPARTMENT AND THE  
 ANNUAL SALARY ATTACHED TO EACH, JUNE 30, 1916.

4	Police Commissioners, each.....	\$1,200.00
1	Secretary to Commissioners.....	1,500.00
1	Stenographer to Commissioners.....	1,800.00
1	Police Surgeon .....	1,500.00
1	Chief of Police.....	4,000.00
1	Captain of Detectives.....	3,000.00
9	Captains of Police, each.....	2,400.00
1	Chief Clerk .....	2,400.00
1	Property Clerk .....	2,400.00
18	Lieutenants of Police, each.....	1,920.00
25	Detective Sergeants, each.....	1,800.00
73	Sergeants of Police.....	1,680.00
52	Corporals of Police.....	1,560.00
762	Patrolmen .....	1,464.00
3	Engineers on Patrol Boat, each.....	1,500.00
26	Patrol Wagon Drivers.....	1,200.00
25	Patrol Wagon Drivers, each.....	1,200.00
9	Hostlers, each .....	1,140.00
1	Prison Cook .....	1,200.00
4	Prison Matrons, each.....	1,080.00
4	Telephone Operators, each.....	1,020.00
3	Police Protective Women, each.....	1,200.00
2	Stenographers, each .....	1,200.00
1	Confidential Secretary to the Chief.....	2,400.00

APPOINTMENTS AND REMOVALS DURING THE YEAR ENDING  
 JUNE 30, 1916.

Police Officers, died.....	9
Police Officers, dismissed .....	4
Police Officers, retired .....	2
Police Officers, appointed .....	18
Police Officers, restored .....	1
Police Officers resigned .....	1
Women Protective Officers, dismissed .....	1
Women Protective Officers, appointed .....	1
Patrol Wagon Drivers, appointed .....	1



ACTION TAKEN BY THE BOARD IN TRIAL OF MEMBERS OF THE POLICE  
FORCE ON CHARGES DURING THE YEAR ENDING JUNE 30, 1916.

Number of complaints filed .....	53
Number of complaints sustained by dismissal from department.....	4
Number of complaints sustained by fines .....	14
Number of complaints sustained by reprimand .....	5
Number of complaints dismissed .....	30
Aggregate amount of fines .....	\$1,115.00

EXHIBIT "B"

RETAIL LIQUOR DEALERS.

Total number of licensed placed June 30th, 1915.....	2,044	
Total number of new permits granted (steamers).....	1	
	<hr/>	2,045
Applications withdrawn .....	111	
Applications refused .....	25	
Applications renewal .....	7,775	
Applications to purchase .....	375	
Applications to remove .....	102	
	<hr/>	
Total number of applications received during the fiscal year ending June 30th, 1916.....	8,388	
Permits revoked .....	25	
Retired from business .....	42	
	<hr/>	67
Total number of licensed places June 30, 1916.....		1,978
Straight saloons .....	1,516	
Restaurants .....	144	
Saloon and Restaurants .....	119	
Boarding House and Bar .....	38	
Hotels .....	9	
Hotel and Bar .....	114	
Sealed Packages .....	14	
Ferry Boats .....	15	
Concert Halls .....	1	
Billiard Halls .....	4	
Bowling Alleys .....	3	
Halls .....	1	
	<hr/>	1,978

VIOLATION OF LIQUOR LICENSE LAW.

Cases pending June 30th, 1915.....	6	
Number dismissed .....	4	
Reserve calendar .....	2	
	<hr/>	
Arrests made during the fiscal year ending June 30, 1916....	52	
Number of cases Dismissed .....	43	
Number of convictions .....	7	
	2	
	<hr/>	52
Amount of fines paid after conviction.....		\$225

## ARRESTS FOR PEDDLING WITHOUT A LICENSE.

Cases pending June 30th, 1915.....	2	
Number dismissed .....	2	
Arrests made during the fiscal year ending June 30, 1916....	109	
Number of cases dismissed.....	105	
Convicted and O. R. ....	4	
Convicted and fined .....	0	
Convicted and sent to jail .....	0	
Cases pending .....	0	
	<hr/>	109
Amount of fines and forfeitures.....		.00

## AUCTIONEERS.

Total number of licensed places June 30, 1915.....	35	
Total number of new permits granted during the fiscal year year ending June 30, 1916.....	8	
	<hr/>	43
Applications withdrawn .....	1	
Applications refused .....	0	
Permits revoked .....	0	
Retired from business .....	8	
	<hr/>	8
Total number of licensed places June 30, 1916.....		35

## INTELLIGENCE OFFICE KEEPERS.

Total number of licensed places June 30, 1915.....	55	
Total number of new permits granted during the fiscal year ending June 30, 1916.....	3	
	<hr/>	58
Applications withdrawn .....	1	
Applications refused .....	2	
Permits revoked .....	0	
Retired from business .....	13	
	<hr/>	13
Total number of licensed places June 30, 1916.....		45
Net loss 10.		

## PAWN BROKERS.

Total number of licensed places June 30, 1915.....	47	
Total number of new permits granted during the fiscal year ending June 30, 1916.....	5	
	<hr/>	52
Applications withdrawn .....	0	
Applications refused .....	0	
Permits revoked .....	0	
Retired from business .....	8	
	<hr/>	8
Total number of licensed places June 30, 1916.....		44
Net loss 3.		

CHIEF OF POLICE

437

SECOND HAND AND JUNK DEALERS.

Total number of licensed places June 30, 1915.....		255	
Total number of new permits granted during the fiscal year ending June 30, 1916.....		115	
		<u>          </u>	370
Applications withdrawn .....	9		
Applications refused .....	10		
Permits revoked .....		3	
Retired from business .....		36	
		<u>          </u>	39
			<u>          </u>
Total number of licensed places June 30, 1916.....			331
Net gain 76.			

KINETOSCOPES.

Total number of licensed places June 30, 1915.....		87	
Total number of new permits granted during the fiscal year ending June 30, 1916.....		21	
		<u>          </u>	108
Applications withdrawn .....	3		
Applications refused .....	0		
Permits revoked .....	0		
Retired from business .....		27	
		<u>          </u>	27
			<u>          </u>
Total number of licensed places June 30, 1916.....			81
Net loss 6.			

PANORAMAS.

Total number licensed places June 30, 1915.....		1	
Retired from business .....		0	
Total number licensed places June 30, 1916.....			1

MOVING PICTURE EXHIBITIONS.

Total number of Moving Picture Exhibitions in Theatres June 30, 1915.....		16	
Total number of new permits granted during the fiscal year ending June 30, 1916.....		5	
		<u>          </u>	21
Applications withdrawn .....	1		
Applications refused .....	0		
Permits revoked .....	0		
Retired from business .....		7	
		<u>          </u>	7
			<u>          </u>
Total number of licensed places June 30, 1916.....			14
Net loss 2.			

SKATING RINKS.

Total number of licensed places June 30, 1915.....		0	
Total number of new permits granted during the fiscal year ending June 30, 1916.....		0	
Applications withdrawn .....	2		
Applications refused .....	1		
		<u>          </u>	0
Total number of licensed places June 30, 1916.....			0

## CHIEF OF POLICE

## MUSEUMS.

Total number of licensed places June 30, 1915.....	5	
Total number of new permits granted during the fiscal year ending June 30, 1916.....	4	9
Applications withdrawn .....	2	
Applications refused .....	3	
Permits revoked .....	0	
Retired from business .....	8	8
Total number of licensed places June 30, 1916.....		1
Net loss 4.		

## DETECTIVE AGENCIES

Total number of licensed places June 30, 1915.....	13	
Closed by State Law, September 7th, 1915.....	13	0

## SHOOTING GALLERIES.

Total number of licensed places June 30, 1915.....	13	
Total number of new permits granted during the fiscal year ending June 30, 1916.....	6	19
Applications withdrawn .....	0	
Applications refused .....	2	
Permits revoked .....	0	
Retired from business .....	7	7
Total number of licensed places June 30, 1916.....		12
Net loss 1.		

## CARRYING CONCEALED WEAPONS.

Total number licenses out June 30, 1915.....	76	
Total number of applications received during the fiscal year ending June 30, 1916.....	81	
Applications refused .....	32	
Total number of applications granted during the fiscal year ending June 30, 1916.....		49
Net loss 27.		

## LICENSED GUIDES.

Total number of licensed guides June 30, 1915.....	33	
Total number of new permits granted during the fiscal year ending June 30, 1916.....	31	64
Applications withdrawn .....	1	
Applications refused .....	1	
Permits revoked .....	1	
Retired from business .....	52	53
Total number of licensed guides June 30, 1916.....		11
Net loss 22.		

## CHIEF OF POLICE

439

## ONE DAY LIQUOR DEALERS.

Total number of applications granted during the fiscal year ending June 30, 1915.....	597	
Total number of applications received during the fiscal year ending June 30, 1916.....		358
Applications withdrawn .....		4
		<hr/>
Total number of applications granted during the fiscal year ending June 30, 1916.....		354
Net loss 243.		

## PEDDLERS.

Total number of applications received during the fiscal year ending June 30, 1916.....		2,193	
		<hr/>	2,193
Applications withdrawn .....	10		
Applications refused .....	1		
	<hr/>		11
Total number of permits granted .....			2,182

## JUNK GATHERERS.

Total number of licensed Junk Gatherers June 30, 1915.....		113	
Total number of new permits granted during the fiscal year ending June 30, 1916 .....		188	
		<hr/>	301
Applications withdrawn .....	1		
Applications refused .....	1		
Retired from business .....		27	
		<hr/>	27
Total number of licensed Junk Gatherers June 30, 1916			274

## SOLICITORS.

Total number of licensed solicitors June 30, 1915.....		138	
Total number of new permits granted during the fiscal year ending June 30, 1916 .....		79	
		<hr/>	217
Applications withdrawn .....	0		
Applications refused .....	1		
Retired from business .....		158	
		<hr/>	158
Total number of licensed solicitors June 30, 1916.....			59
Net loss 79.			

## MOTORMEN.

Total number of licensed motormen June 30, 1915.....		3,637	
Total number of applications received during the fiscal year ending June 30, 1916.....		2,834	
		<hr/>	
Applications withdrawn .....	1		
Applications refused .....	2		
Permits revoked .....		30	
		<hr/>	
Total number of licensed motormen June 30, 1916.....			2,804
Net loss 833.			

## CHIEF OF POLICE

## BILLIARD PARLORS.

Total number of licensed places June 30, 1915.....	398	
Total number of new permits granted during the fiscal year ending June 30, 1916.....	57	455
Applications withdrawn .....	4	
Applications refused .....	17	
Permits revoked .....	2	
Retired from business.....	75	
	<hr/>	77
Total number of licensed places June 30, 1916.....		378
Net loss 20.		

## SPECIAL POLICE OFFICERS.

Total number of Special Police Officers June 30, 1915.....	1,053	
Total number of applications granted during the fiscal year ending June 30, 1916.....	577	1,610
Applications refused .....	10	
Appointments revoked .....	411	
	<hr/>	411
Total number of Special Police Officers June 30, 1916.....		1,199

## SEALED PACKAGE LIQUOR DEALERS.

Total number of sealed package liquor dealers June 30, 1915	2,266	
Total number of new permits granted during the fiscal year ending June 30, 1916.....	462	2,728
Applications renewal .....	1,586	
Applications withdrawn .....	1	
Permits revoked .....	4	
Retired from business .....	676	
	<hr/>	680
Total number of sealed package liquor dealers June 30, 1916 .....		2,048

## JITNEY BUS OWNERS.

Total number of licensed jitney bus owners June 30, 1915....	774	
Total number of new permits granted during the fiscal year ending June 30, 1916 .....	1,350	2,124
Applications refused .....	3	
Permits revoked .....	758	
Retired from business .....	711	
	<hr/>	1,469
Total number of licensed jitney bus owners June 30 1916 .....		655
Net loss 119.		

## CHIEF OF POLICE

441

## JITNEY BUS OPERATORS.

Total number of licensed jitney bus operators June 30, 1915	771	
Total number of new permits granted during the fiscal year ending June 30, 1916.....	1,462	2,233
Applications refused .....	3	
Permits revoked .....	899	
Retired from business .....	188	1,087
		<hr/>
Total number of jitney bus operators June 30, 1916.....		1,146
Net gain 375.		

## DRIVERS.

Total number of licensed drivers June 30, 1915.....	69	
Total number of applications received during the fiscal year ending June 30, 1916.....	34	34
Total number of licensed drivers June 30, 1916.....		
Net loss 35.		

## DANCE HALLS.

Total number of licensed places June 30, 1915.....	0	
Total number of new permits granted during the fiscal year ending June 30, 1916.....	161	161
Applications withdrawn .....	9	
Applications refused .....	76	
Permits revoked .....	1	
Permits refused on renewal.....	1	
Retired from business .....	33	35
		<hr/>
Total number of licensed places June 30, 1916.....		126

## EXHIBIT "C"

## POLICE STATIONS AND THEIR LOCATIONS.

Com-pany	No. of District	Name of Station	Location
A	1	Central Station .....	Hall of Justice
B	2	Southern Station .....	Fourth Street near Clara Street
C	3	Harbor Station .....	Drumm and Commercial Streets
D	4	Mission Station .....	Seventeenth and Division Streets
E	5	Bush Street Station .....	Bush St. bet. Polk and Van Ness
F	6	Golden Gate Park Station..	Golden Gate Park opp. Waller Street
G	7	Richmond Station .....	453 Sixth Avenue
G	7	Sub Station .....	2117 O'Farrell Street
H	8	Ingleside Station .....	Ocean and San Jose Avenues
I	9	Potrero Station .....	2300 Third Street
I	9	Sub Station .....	1676 Newcomb Avenue
J	10	North End Station.....	2476 Greenwich Street

## EXHIBIT "D"

COMPARATIVE STATEMENT OF THE NUMBER OF ARRESTS AND  
STRENGTH OF THE POLICE FORCE FOR THE THIRTY-EIGHT  
ENDING JUNE 30th, 1916.

Years	Number of Officers	Number of Arrests
1878-1879	329	22,120
1879-1880	340	21,063
1880-1881	400	23,011
1881-1882	400	25,969
1882-1883	400	24,149
1883-1884	400	25,591
1884-1885	400	24,432
1885-1886	406	26,587
1886-1887	406	23,805
1887-1888	406	29,466
1888-1889	406	23,462
1889-1890	406	23,549
1890-1891	406	24,528
1891-1892	456	28,417
1892-1893	456	25,987
1893-1894	456	25,824
1894-1895	482	25,960
1895-1896	557	30,462
1896-1897	559	29,168
1897-1898	559	28,013
1898-1899	559	27,769
1899-1900	588	26,485
1900-1901	588	27,362
1901-1902	607	28,482
1902-1903	643	29,336
1903-1904	671	36,208
1904-1905	707	35,893
*1905-1906	708	878
1906-1907	759	27,013
1907-1908	802	38,738
1908-1909	817	34,336
1909-1910	846	29,855
1910-1911	920	32,914
1911-1912	935	35,594
1912-1913	940	37,333
1913-1914	945	38,615
1914-1915	945	44,131
1915-1916	945	51,430

\* Records of 1905-1906 were destroyed by fire except from April 18th, to July 1st, 1906.



EXHIBIT "E"  
PATROL WAGON SERVICE.

Number of Runs .....	30,299
Number of Miles Traveled.....	66,242
Prisoners brought to Station.....	34,468
Prisoners Transferred .....	960
Fires Attended .....	1,128
Sick and Injured Taken to Hospital.....	3,217
Insane Persons cared for.....	382
Lost Children Restored to Parents.....	382
Emergency Runs, for supplies, etc.....	151
False Alarms .....	589

EXHIBIT "F"  
SUBPOENAS SERVED.

Superior Court .....	1,280
Police Court .....	4,016
Coroner .....	2,678
Grand Jury .....	42
Police Commissioners .....	183
Foreign .....	11
 Total .....	 8,210

EXHIBIT "G"

REPORT OF POLICE COURT APPEALS TO THE SUPERIOR COURT AND  
DISPOSITION OF SAME FOR THE FISCAL YEAR ENDING JUNE 30, 1916.

Appeals pending June 30, 1915.....	30	
Appeals filed during the fiscal year ending June 30, 1916.....	33	
Judgments Affirmed .....		13
Judgments Reversed .....		21
Judgments Modified .....		14
Reserved Calendar .....		1
Appeals pending, June 30, 1916.....		14
	—	—
	63	63

RECORD OF POLICE COURT FINES AND FORFEITURES FOR THE FISCAL  
YEAR ENDING JUNE 30, 1916.

Police Court, Department No. 1.....	\$ 6,222.00
Police Court, Department No. 2.....	5,830.00
Police Court, Department No. 3.....	5,260.00
Police Court, Department No. 4.....	6,895.00
 Total .....	 \$24,207.00

## EXHIBIT "H"

REPORT OF BUREAU OF IDENTIFICATION, PHOTOGRAPHS AND  
DESCRIPTION OF CRIMINALS ON HAND JUNE 30, 1916.

Prisoners measured and photographed.....	996
Fingerprints taken .....	14,427
Identifications made .....	1,027
Photographs with descriptions received.....	9,597
Fingerprints received .....	5,380
Photographs and fingerprints sent to other departments.....	26,700
Prior convictions furnished District Attorney.....	712
Letters written .....	222
Letters received and acted upon.....	673
Circulars prepared and mailed.....	26,295
Circulars received .....	1,425
Fingerprints sent to cities not on exchange list.....	412
Fingerprints sent to cities on exchange list.....	12,600
Photographs, descriptions, etc., sent out for publication.....	95
Photographs with descriptions on hand June 30, 1915.....	114,040
Local photographs filed .....	996
Photographs with descriptions received during the fiscal year.....	9,597
Total photographs with descriptions on hand June 30, 1916.....	124,633
Fingerprints on hand June 30, 1915.....	18,816
Local fingerprints filed .....	996
Fingerprints received from other departments.....	5,380
Total fingerprints on hand June 30, 1916.....	25,192

## EXHIBIT "I"

REPORT OF DETAIL ON WAYWARD GIRLS AND WOMEN, NUMBER OF  
ARRESTS, CONVICTIONS, PERSONS ASSISTED AND MISSING GIRLS  
RETURNED TO THEIR HOMES FOR FISCAL YEAR ENDING  
JUNE 30, 1916.

Total number of girls and women reported missing (local)....	168	
Total number missing girls and women located (local).....		167
Investigations pending .....		1
		<hr/>
		168
Total number of girls and women reported missing (outside) 62		
Total number missing girls and women located (outside).....		62
		<hr/>
		230
Total number missing girls and women returned to their homes .....	112	
Total number missing girls and women sent to Detention Home .....	117	
Investigation pending .....	1	
		<hr/>
		230
Complaints received and investigated.....	1,596	
Destitute persons assisted .....	169	
Amount collected in fines.....		\$660.00

## EXHIBIT "J"

REPORT OF DETECTIVE BUREAU SHOWING THE ESTIMATED VALUE OF  
LOST OR STOLEN PROPERTY AND OF PROPERTY RECOVERED  
DURING THE FISCAL YEAR ENDING JUNE 30, 1916.

Property reported lost or stolen.....	\$281,402.06
Property reported lost or stolen, recovered.....	166,863.55
Automobiles reported stolen during year.....	726
Automobiles recovered .....	683
Automobiles not recovered .....	43
Missing people reported to Department.....	1164

## EXHIBIT "K"

LETTERS AND TELEGRAMS RECEIVED AND SENT OUT DURING THE  
FISCAL YEAR ENDING JUNE 30, 1916.

Letters Received .....	4,670
Letters Sent Out .....	6,940
Telegrams Received .....	1,578
Telegrams Sent Out .....	1,454

## EXHIBIT "L"

TABULATED STATEMENT OF OFFENSES CHARGED AND ARRESTS MADE  
BY THE POLICE DEPARTMENT OF SAN FRANCISCO FOR THE  
FISCAL YEAR ENDING JUNE 30, 1916.

Abandonment and Neglect of Wife.....	45
Abortion .....	2
Adultery .....	23
Administering Drugs, etc., with Intent to Produce Miscarriage.....	4
Administering Stupefying Drugs .....	2
Arson .....	8
Arson, Attempted .....	3
Assault .....	3
Assault to Commit Bodily Injury.....	23
Assault with Caustic Chemicals.....	1
Assault with Deadly Weapon.....	177
Assault, Indecent .....	1
Assault to Murder.....	98
Assault to Rape.....	9
Assault to Rob.....	25
Attempt to Obtain Money or Goods by False Pretenses.....	1
Automobile State Motor Vehicle Act.....	805
Adult Child, Duty of to Provide for Indigent Parents.....	4
Accessories .....	6
Battery .....	1,263
Begging .....	1,528
Bench Warrant .....	187
Bigamy .....	3
Blasting Ordinance .....	4
Bribery .....	5
Burglary .....	504
Burglary, Attempted .....	34
Burglar's Tools, Having in Possession.....	8
Building Ordinance Violated.....	35
Child Stealing .....	1

Concealed Weapon, Black Jack.....	8
Concealed Weapon, Brass Knuckles.....	2
Concealed Weapon, Hatchet .....	1
Concealed Weapon, Knife .....	8
Concealed Weapon, Pistol .....	216
Concealed Weapon, Slung Shot.....	1
Conspiracy .....	13
Crime Against Children .....	34
Crime Against Nature .....	4
Cruelty to Animals .....	119
Cruelty to Children .....	21
Compounding a Crime .....	1
Dependent .....	83
Dancing Ordinance .....	12
Defrauding Stable Keeper .....	1
Defrauding Inn Keeper .....	83
Dentistry Practicing, No License.....	9
Deserter from United States Navy.....	6
Deserter from United States Army.....	20
Disorderly Housekeeping .....	11
Disturbing the Peace .....	2,260
Dog, Keeping Vicious .....	1
Driving off Horse and Buggy Without Consent of Owner.....	3
Drug Order Violating, Selling Morphine, Cocaine, Opium, etc., Without a Physician's Prescription .....	506
Drunk .....	14,472
Drunk, Common .....	1,237
Embezzlement, Felony .....	132
Embezzlement, Misdemeanor .....	97
Employment Office, Ordinance Violating.....	2
Enroute .....	751
Enroute to Almshouse .....	114
Evading Payment of Railroad Fare.....	5
Exhibiting Deadly Weapon in a Rude and Threatening Manner.....	20
Extortion .....	1
Extortion, Attempted .....	4
Failure to Provide for Minor Child.....	255
False Personation .....	1
False Pretenses, Obtaining Money or Goods by.....	111
Fictitious Check Passing and Making.....	185
Fictitious Instrument Making and Passing.....	36
Fire Arms, Discharging in City Limits.....	28
Fire Arms, Selling to Minors.....	1
Fire and Police Telegraph, Interference With.....	8
Fire Ordinance, Violating .....	21
Fish Law, Violating .....	50
Forcible Entry and Detainer.....	5
Forgery .....	110
Fortune Telling Ordinance Violated.....	2
Fraudulent Conveyance .....	110
Fraudulently Concealed Property.....	1
Fraud in Keeping Accounts in Books of Corporations.....	1
Gambling, Craps .....	21
Gambling, Dice .....	114
Gambling, Faro .....	3
Gambling House Keeping .....	219

Gambling House Visiting .....	1,849
Gambling Implements in Barricaded Premises, Prohibiting.....	2,019
Gambling, Lottery-tickets in possession and Drawing.....	1,050
Gambling, Lottery, Aiding and Managing.....	8
Gambling, Lottery House Keeping.....	261
Gambling, Lottery House Visiting.....	372
Gambling, Lottery Ticket Selling.....	51
Gambling, Slot Machine.....	1
Gambling, Poker .....	34
Gambling, Pool Selling .....	98
Game Law Violating .....	1
Gas Stealing .....	3
Hackney Ordinance, Violating .....	133
Health Ordinance, Violating .....	146
Held as Witness .....	4
Investment Company, Act 1913.....	1
Interference With Electric Wires.....	7
Injury to Telegraph and Telephone Lines.....	2
Ill Fame, Inmate of House of.....	73
Ill Fame, Keeping House of.....	17
Ill Fame, Keeping Minor in House of.....	0
Ill Fame, Placing Female in House of.....	1
Ill Fame, Placing Wife in House of .....	2
Ill Fame, Visitor of House of .....	11
Incest .....	1
Indecent Exhibition .....	5
Indecent Exposure .....	67
Insanity .....	174
Insurance, Laws not Complied With, Foreign Companies.....	1
Interfering with an Officer.....	31
Intemperate .....	140
Jitney Bus Ordinance, Violating.....	149
Larceny, Grand by Trick and Device.....	3
Labor Law, Violating .....	8
Language, Vulgar or Profane.....	1
Larceny, Grand .....	491
Larceny, Grand, Attempted .....	21
Larceny, Petit .....	802
Larceny, Petit, Attempted .....	6
Larceny, Petit, Trick and Device.....	24
Laundry Order, Violating .....	82
Lewd and Indecent Act, Attempt to Commit.....	1
Lewd and Indecent Act, Committing and Soliciting.....	34
Lible .....	5
License Law, Liquor .....	64
License Law, Merchandise .....	3
License Law, Violating .....	100
License, Peddling Without .....	108
License, Selling on Election Day.....	1
Liquor, State Law, Violating .....	13
Liquor, permit Ordinance, Violating .....	10
Malicious Mischief .....	325
Manslaughter .....	103
Mayhem .....	13
Medicine, Practicing Without License.....	8
Medical Treatment .....	1
Members of National Guard, Insubordination of.....	5

Milk Ordinance Violating .....	57
Minor, Allowing in Pool Rooms or Saloons.....	5
Minor, Selling Liquor to.....	4
Minor, Selling Tobacco to.....	3
Murder .....	40
Motor Vehicles, Driver of, Duty in Collision, Violating.....	16
Motor Vehicles, Driver of, Intoxicated Neglects Duty.....	2
Obscene Literature, Having in Possession.....	4
Obscene Pictures, Having in Possession.....	4
Operating Motor Vehicles While Intoxicated.....	41
Opium, Carrying into City Prison.....	2
Opium Place, Keeping .....	29
Opium Place, Visiting .....	92
Ordered into Custody .....	397
Optometry, State Law Violating.....	2
Officer of Corporation to Permit an Inspection.....	2
Parole and Probation, Violating.....	14
Park Ordinance, Violating .....	9
Perjury .....	7
Personating an Officer.....	10
Pound Ordinance, Violating .....	4
Public Institution .....	345
Pure Drug Law of California, Violating.....	19
Pure Food Law, Violating.....	154
Public Nuisance, Committing or Maintaining.....	42
Preventing or Dissuading Witness From Attending.....	1
Personal Property, Broker Act.....	1
Rape .....	58
Receiving Stolen Goods .....	65
Refusing to Move On .....	63
Removing Mortgaged Property .....	4
Resisting an Officer .....	84
Robbery .....	216
Robbery, Attempt .....	21
Runner and Solicitor's Ordinance, Violating.....	28
Requiring Surgeons to Report Accidents.....	4
Removal Report Ordinance, Violating .....	1
Second-hand and Junk Dealers Ordinance, Violating.....	18
Seduction .....	7
Sidewalk, Expecterating on .....	1
Sidewalk Ordinance, Violating .....	35
Smoking on Street Cars .....	1
Sodomy .....	5
Sodomy, Attempted .....	2
Soliciting Prostitution .....	326
State Pander Law, Violating .....	4
State Pimp Law, Violating .....	22
Street Car Obstruction .....	1
Street, Distributing Hand Bills on .....	15
Street Ordinance, Violating .....	1,656
Surrendered by Bondsmen .....	30
Stealing Electricity .....	4
State School, Violating .....	2
Taking Motor Vehicles, Bicycles Temporarily Without Owner's Consent....	13
Theatrical Exhibitions, Performance and Public Entertaining, Ordinance Violating .....	4

Threats to Kill .....	67
Trademark, Violation of .....	6
Trespass .....	14
Tenement House Act, Violating .....	6
Unlawful Conversion of Military Property.....	2
Unlawful Mutilation or Removal of Dead Bodies.....	1
Urinating in Public Streets.....	3
Violating Mann Act .....	1
Vagrancy .....	11,865
Violating Chapter 663, Statutes of California.....	7
Violating Chapter 282, Statutes of California.....	1
Violating Chapter 143, Statutes of California.....	3
Violating Chapter 352, Statutes of California.....	1
Violating Chapter 628, Statutes of California.....	11
Violating or Omitting Sections 1 and 3 of Statutes of California, Chapter 258 .....	3
Violating State Hotel and Lodging House Act.....	2
Violating Section 645, Act of Legislature.....	1
Violating Chapter 167 and 639 Statutes of California.....	1
Violating Sections 32 Chapter 597 Statutes 1915.....	2
Violating State Itinerant Act .....	3
Violating Chapter 378, Statutes 1915.....	2
Violating Sections 21, 26, 28, Act of Legislature.....	89
Wearing Unlawful Apparel .....	9
Wages, Non-payment of .....	30
Weights and Measures Ordinance, Violating.....	14

Grand Total Arrests Fiscal Year Ending June 30, 1916.....51,430

EXHIBIT 'M'

STATEMENT OF THE POLICE CONTINGENT FUND FOR THE FISCAL  
YEAR ENDING JUNE 30, 1916.

July 1, 1915, balance cash on hand.....	\$ 467.20	
Received from Treasurer during the year.....	8,000.00	
Advances refunded to the Contingent Fund.....	598.41	
		<u>\$9,065.61</u>
Disbursements as per vouchers on file.....	\$8,915.70	
Balance cash on hand, July 1, 1916.....	149.91	
		<u>\$9,065.61</u>

Statement of the amount of money received and paid into the Treasury, for the services of police officers, detailed at various places of amusements, etc., under Section XII, of Chapter X, of the Charter, during the fiscal year ending June 30, 1916, as per Treasurer's receipt on file:

1915—July .....	\$ 47.50
August .....	82.50
September .....	120.00
October .....	132.50
November .....	157.50
December .....	150.00
1916—January .....	150.00
February .....	130.00
March .....	30.00
April .....	90.00
May .....	82.50
June .....	35.00
	<u>\$1,207.50</u>

## CHIEF OF POLICE

Statement of the amounts deducted by the Honorable Board of Police Commissioners, from awards allowed police officers for rewards during the fiscal year ending June 30, 1916.

July 1, 1915, to June 30, 1916.....\$220.00

## EXHIBIT "N"

The following is a statement of the amount realized on the sale of unclaimed property in the hands of the Property Clerk, since the last annual report as provided under Section III, Chapter VIII, Article VIII, of the Charter.

## RECEIPTS.

Cash taken from packages.....	\$ 503.88	
Result of auction sale.....	842.85	
		<u>\$1,346.73</u>

## DISBURSEMENTS.

Auctioneer's commission 7½%.....	\$ 63.20	
Advertising sale in papers.....	25.00	
		<u>88.20</u>
Net proceeds paid to Treasurer.....		<u>\$1,258.53</u>



EXHIBIT "O"

## Report of the Board of Police Relief and Pension Fund Commissioners

To the Honorable James Rolph, Jr.,  
Mayor of the City and County of San Francisco.

Sir:—In compliance with Section IX, Article XVI, of the Charter of the City and County of San Francisco, the Board of Police Relief and Pension Fund Commissioners, herewith present and submit their report for the fiscal year ending June 30, 1916:

The Board of Police Relief and Pension Fund Commissioners as now constituted consist of the following:

Theodore J. Roche .....	President
Thomas E. Shumate .....	Commissioner
Jesse B. Cook .....	Commissioner
James Woods .....	Commissioner
K. F. Conway.....	Secretary

The following members of the Police Department of the City and County of San Francisco, were retired from active duty and pensioned by the Board of Police Relief and Pension Fund Commissioners, during the fiscal year 1915-16, under the provisions of Chapter X, of Article VIII of the Charter:

NAME	Section Under	Amount per Month	RANK	Date of Retirement
John G. Coughlin.....	1 and 3	\$61.00	Patrolman.....	July 6, 1915
John J. Mullin.....	1 and 3	61.00	Patrolman.....	Oct. 4, 1915

The following pensioners were restored to active duty during the fiscal year ending June 30, 1916:

NAME	Section Under	Amount per Month	RANK	Date Restored
John Phelan .....	1 and 3	\$61.00	Patrolman.....	July 6, 1915

The following pensioners died during the fiscal year ending June 30, 1916:

NAME	Section Under	Amount per Mo.	RANK	Date of Retirement	Date of Death
Patrick O'Donnel.....	1 and 3	\$64.00	Corporal.....	Oct. 20, 1913	Sept. 4, 1915
Gregory Harrington..	1 and 3	50.00	Patrolman.....	May 25, 1906	Sept. 13, 1915
John J. Conly.....	1 and 3	50.00	Patrolman.....	Jan. 5, 1900	Oct. 15, 1915
Ross J. Whittaker.....	1 and 3	74.00	Det. Sergeant...	Feb. 4, 1908	Jan. 16, 1916
John W. Shields.....	3	61.50	Sergeant.....	April 16, 1900	Feb. 6, 1916
Patrick Perry.....	1 and 3	50.00	Patrolman.....	Dec. 3, 1902	Feb. 6, 1916
Thomas F. Hobi.....	1 and 3	60.00	Patrolman.....	Jan. 3, 1910	Feb. 21, 1916
Abraham Sharp.....	1 and 2	61.50	Sergeant.....	Aug. 31, 1893	June 13, 1916
A. Houghtalling.....	3	61.50	Sergeant.....	Jan. 3, 1898	April 4, 1916
Charles P. Bush.....	1 and 2	70.00	Sergeant.....	April 6, 1914	May 9, 1916
George Farrell.....	1 and 3	60.00	Patrolman.....	April 1, 1912	April 22, 1916
Frank Smith.....	1 and 3	61.00	Patrolman.....	July 6, 1914	May 2, 1916

The following persons not members of the Department were granted relief during the fiscal year 1915-1916:

John F. Robl, Margaret E. Robl, James A. Robl, Katherine A. Robl, children of Police Officer Frank W. Robl, under Section VI, Article VIII, Chapter X of the Charter. Amount, \$502.00.

Edith M. Reavis, widow of Sergeant James J. Reavis, under Section VI, Article VIII, Chapter X of the Charter. Amount, \$446.00.

Catherine Thomson, widow of Police Officer Andrew B. Thomson, under Section VI, Article VIII, Chapter X of the Charter. Amount, \$526.00.

Catherine Smith, widow of Police Officer Henry Smith, under Section VI, Article VIII, Chapter X of the Charter. Amount, \$406.00.

Nellie Dinan, widow of Lieutenant William E. Dinan, under Section VI, Article VIII, Chapter X of the Charter. Amount, \$586.00.

NUMBER OF PERSONS DRAWING PENSIONS DURING FISCAL YEAR  
ENDING JUNE 30, 1916.

Number of officers drawing pensions July 1, 1915.....	112	
Other persons drawing pensions (widows).....	31	
Total drawing pensions July 1, 1915.....	—	143
Number of officers retired during fiscal year ending June 30, 1916.....	2	
Widows granted pensions during fiscal year ending June 30, 1916.....	4	
	—	6
Died during fiscal year ending June 30, 1916.....	12	
Restored to active duty during fiscal year ending June 30, 1916.....	1	
	—	13

FINANCIAL STATEMENT FOR FISCAL YEAR ENDING JUNE 30, 1916.

By amount paid in pensions during fiscal year 1915-16.....	\$101,637.70
By amounts paid for other purposes.....	3,748.70
Dr. S. W. Means, examination of applicants for pension.....	50.00
Dr. T. H. O'Connor, examination of applicants for pension.....	50.00
K. F. Conway, salary as Secretary.....	600.00
Total amount audited and paid.....	\$106,086.40

# Report of Department of Electricity

October 2, 1916.

Hon James Rolph, Jr., Mayor.

Dear Sir:—In accordance with the provisions of Section 9, Article XVI of the Charter of the City and County of San Francisco, I submit herewith Report of the Department of Electricity for the year 1915-1916.

Respectfully submitted,

JAMES M. BARRY,  
Chief, Department of Electricity.

REPORT OF DEPARTMENT OF ELECTRICITY FOR THE FISCAL YEAR  
1915-1916, SAN FRANCISCO, CALIFORNIA.

The Department of Electricity is charged with the following:

The electrical inspection of old and new buildings and the supervision of overhead electrical construction.

The collection of fees for electrical inspection.

The operation, maintenance and extension of the fire alarm and police signal system of the city.

The manufacture of such equipment as is necessary to properly maintain and extend the fire alarm and police signal systems.

FINANCIAL STATEMENT.

Appropriation.		Expenditure.	Surplus.
\$75,246.00	Salaries .....	\$75,067.45	\$178.55
6,000.00	Maintenance .....	5,977.31	22.69
36,000.00	General Extensions—Salaries....\$18,575.27		
	Material.... 17,344.18	35,919.45	80.55

INTERIOR INSPECTION.

Applications on file June 30, 1915.....	3,331
Applications received .....	11,745
	<hr/>
Installations approved .....	15,076
	<hr/>
Applications on file June 30, 1916.....	4,756
	<hr/>
Inspections made during year.....	28,541
Installations found defective .....	5,959
Installations discontinued from service.....	42
Non-recorded installations detected .....	2,147

DOCUMENTS ISSUED.

Contractors' licenses .....	243
Complaints on defective wiring.....	5,959
Certificates of approval .....	10,320
Electric sign permits .....	640
Housemovers' permits .....	23
Receipts for fees .....	2,662

MONEYS RECEIVED.

Fees for wire inspection, Ordinance No. 2582.....	\$11,429.99
Fees for electric sign permits, Ordinance 1009.....	322.15
Fees for fire tapper service, Ordinance 698.....	565.65
	<hr/>
Total .....	\$12,317.79
Housemovers' deposits, Ordinance No. 1026.....	575.00
Housemovers' refundment, .....	414.70

## INSPECTION OF OVERHEAD CONSTRUCTION.

Violations of Chapter No. 499, State Penal Code.....	105
Violations of Ordinance No. 214.....	5
Violations of Ordinance No. 1736.....	5
Violations of Ordinance No. 2582.....	19
Violations of General Order No. 26, Railroad Commission.....	18
Deaths by electrocution investigated.....	1
Fires investigated .....	21
Complaints on construction detrimental to public welfare and safety.....	325
Miscellaneous .....	171
Re-inspection .....	378
Number of permits of approval issued for overhead construction on poles....	158

## OPERATION OF FIRE ALARM SYSTEM.

In the following tables are recorded the alarms and signals handled by the fire alarm office during year 1915-1916:

## Summary of Alarms of Fire Transmitted during the Fiscal Year:

First Alarms .....	1,581
Second Alarms .....	57
Third Alarms .....	14
Fourth Alarms .....	1
Still Alarms .....	1,892
<b>Total number of Alarms .....</b>	<b>3,545</b>

## Summary of Alarms for each Month during the Fiscal Year:

1915.		1916.	
Month.	No. of Alarms.	Month.	No. of Alarms.
July .....	468	January .....	193
August .....	367	February .....	151
September .....	290	March .....	189
October .....	283	April .....	308
November .....	211	May .....	432
December .....	238	June .....	415

## Joker Signals Transmitted during the Fiscal Year:

Engine .....	7,143
Truck .....	1,811
Chemical .....	2,628
Chief .....	2,821
Water Tower .....	246
Battery .....	378
Fire Boat .....	221
Fire Patrol .....	1,263
Special .....	169
Drill .....	408
Repair .....	257
Tapper .....	130
New Box .....	11
Pay Day .....	12
Test .....	1,095

Total number of Joker Signals.....18,593

Total number of Fire Alarm Boxes in service July 1, 1916..... 685

## CENTRAL FIRE ALARM STATION.

The Central Fire Alarm Station in Jefferson Square continues to give perfect service.

There are now forty-seven working signal circuits, ten working tapper circuits and ten working alarm circuits. Present equipment will take care of forty-eight signal circuits, twelve tapper circuits and twelve alarm circuits. The station has an ultimate capacity of eighty signal circuits, sixteen tapper circuits, sixteen alarm circuits and sixteen joker circuits.

## MACHINE SHOP.

During the year, the Department practically completed the manufacture of 125 fire alarm boxes. One hundred police signal boxes are in course of construction.

Important improvements were made in the fire box and police box design so that these will now fully comply with the proposed "Safety Code" of the Industrial Accident Commission.

A new police standard was adopted which matches up in general appearance with the latest type of fire box standard.

One hundred twenty-five new Department of Electricity flush doors for fire alarm boxes were manufactured to replace the "bell" and "pump-handle" doors now in service. Miscellaneous apparatus was manufactured.

Routine repairs and maintenance on fire alarm and police signal equipment, tools, wagons and automobiles were carefully kept up.

The program for the fiscal year 1916-1917 contemplates the manufacture of at least 125 additional fire alarm boxes.

## OUTSIDE CONSTRUCTION AND MAINTENANCE.

Each fire alarm box in the system was inspected and turned in for test monthly, making a total of 8,114 tests for the year. Repairs were made on 60 boxes, and, on account of circuit changes and repairs to box wires, 137 boxes were out of service temporarily. There were 435 pieces of line trouble removed and 2,530 miscellaneous complaints attended to. One hundred twenty-one outside local bells were installed, 87 transferred and 64 removed.

During the fiscal year, 13 new fire alarm boxes were placed in service. Twelve new signal lines were constructed and placed in service, bringing the total number of signal circuits up to 47 on July 1st, 1916.

Department wires were removed from the poles of public service corporations and placed underground in the following locations: Eddy from Powell to Taylor; Taylor from Eddy to Turk; Turk from Taylor to Franklin; Bush from Larkin to Mason; Mason, Jones and Larkin from Bush to Pine; Leavenworth from Bush to Clay; Mission from Twelfth to Sixteenth; Embarcadero from Mission to Folsom.

Circuits were installed and connected and boards were placed in service in the new quarters of Engine Companies Nos. 3 and 5.

New boards were installed and wiring was overhauled in quarters of Engine Companies Nos. 14, 15, 23, 30, 32, and 36. House equipment was repaired in quarters of Engines Companies Nos. 1 and 29 and Truck Company No. 10.

A new and complete police station equipment was installed in the Mission District. Circuits were re-run and increased to four. All boxes were cut over to multiple system to improve the service. Twelve additional police boxes were installed in the North End District and four in the Park District.

An auxiliary fire alarm box, connecting with street box No. 235, Potrero and Twenty-second street, was installed in the San Francisco Hospital to enable the attendants to turn in an alarm of fire without leaving the building.

Besides numerous small replacements, department leads were overhauled and rebuilt in the following locations: Geary from Fifth to Thirteenth avenues; Railroad from Oakdale to Lane; Twenty-fourth from Potrero avenue to Castro; California from Cherry to Thirty-second avenue; Irving from Nineteenth to Forty-eighth avenues; Forty-eighth avenue from Sloat Boulevard to Geary; Geary from Forty-eighth to Thirty-third avenues; Thirty-fifth avenue from Geary to Fulton; Church from Twenty-fourth to Twenty-ninth; San Bruno avenue from Oakdale to Silver avenue. Many of these leads were on poles taken down by public service corporations to dispense with duplicate pole lines.

The number of boxes per circuit has been materially reduced during the year. The maximum number of boxes on a single circuit has been reduced from 42 to 23 and it will be further reduced as new circuits are built.

#### UNDERGROUND CONSTRUCTION.

In the underground districts there were installed during the fiscal year 1915-1916 twenty-two new fire alarm box standards.

Underground ducts were rodded and about 43,970 feet of cable were pulled in and spliced in the following streets: Octavia from the Fire Alarm Office to Market; Market from Octavia to Guerrero; Waller from Octavia to Engine House No. 19; Octavia from the Fire Alarm Office to Bush; Bush from Octavia to Gough; Jones from Bush to Broadway; Broadway from Jones to Taylor; Taylor from Broadway to Market; Mason from Turk to Eddy; Mason from California to Broadway; Broadway from Stockton to Powell; Powell from Broadway to Engine House No. 5; Turk from Taylor to Mason; Powell from Market to Jackson; Stockton from Bush to Sacramento; Grant avenue from Market to Sacramento; Montgomery from Market to California; Jackson from Stockton to Mason; Jackson from Battery to Front; Front from Jackson to Pacific; Pacific from Front to Drumm; Davis from Broadway to Vallejo; Vallejo from Davis to Front; Drumm from Pacific to Washington; Mission from Beale to Main; Mission from Spear to Embarcadero; Market from Drumm to Embarcadero; Embarcadero from Mission to Harrison; Spear from Market to Harrison; Folsom from Embarcadero to Main; Main from Folsom to Engine House No. 9; Beale from Market to Folsom; Howard from Beale to First; First from Market to Harrison; Forest Hill Tract.

A submarine cable was installed across Islais Creek to take care of fire alarm circuits for the southern portion of the City.

New cable was pulled in and terminals were installed at the following Fire Department houses: Quarters of Engine Companies Nos. 3, 5, 14 and 19 and Truck Company No. 10; State Fire Boat; Chief Wharfinger's office; Fire Boat No. 1; City Hall and Bush-street Police Station.

New fire alarm box laterals were installed at fifteen locations preparatory to installing new underground fire standards.

About 2,000 feet of scrap cable, most of which was installed before the fire of 1906, were pulled out.

# Report of Sheriff

San Francisco, Cal., August 3rd, 1916.

Hon. James Rolph, Jr.,

Mayor of the City and County of San Francisco.

Dear Sir:—In compliance with Article XVI, Section 9 of the Charter of the City and County of San Francisco, I have the honor to submit the Report of the Sheriff of the City and County of San Francisco for the fiscal year ending June 30th, 1916. The report includes in detail the amounts paid in to the Treasury by the Office as fees, as well as a tabulation of the different kinds of writs received, and the number thereof. Statistical information, as to the number, occupation, sentences, etc., of the prisoners committed to the Jails during the fiscal year is also shown in detail.

The report covers the first half of my incumbency as well as the six months prior to the same, which the previous administration was in charge.

Respectfully submitted,

THOMAS F. FINN,

Sheriff of the City and County of San Francisco.



FINANCIAL STATEMENT FOR FISCAL YEAR, JULY 1, 1915 TO  
JUNE 30, 1916.

Amounts paid into the City and County Treasury for the fiscal year ending  
June 30, 1916.

July, 1915 .....	\$ 3,051.11
August, 1915 .....	2,686.55
September, 1915 .....	3,077.62
October, 1915 .....	3,104.04
November, 1915 .....	2,785.32
December, 1915 .....	3,537.26
January, 1916 .....	2,941.07
February, 1916 .....	2,500.17
March, 1916 .....	2,975.63
April, 1916 .....	2,183.55
May, 1916 .....	2,649.53
June, 1916 .....	2,341.26
Total .....	<u>\$33,833.11</u>

Amount paid into Treasury for Maintenance of U. S. Prisoners.

September 30, 1915 .....	\$ 296.00
December 31, 1915 .....	897.20
May 16, 1916 .....	1,163.20
June 30, 1916 .....	1,212.80
	<u>\$3,569.20</u>

JULY 1, 1915, TO JUNE 30, 1916.

Writs of Attachment, Superior and Justices' Court.....	7,382
Writs of Execution, Superior and Justices' Court.....	2,734
Summons, Superior and Justices' Court.....	1,729
Miscellaneous, Superior and Justices' Court.....	1,730
Total .....	<u>13,575</u>

JULY 1, 1915, TO JUNE 30, 1916.

Sales of Personal and Real Property, Justices' Court.....	220
Sales of Personal and Real Property, Superior Court.....	110
Total .....	<u>330</u>

FINANCIAL STATEMENT FOR THE FISCAL YEAR ENDING JUNE 30, 1916.

SUBSISTENCE.

1915.		1916.	
July .....	\$ 4,986.48	January .....	\$ 4,621.89
August .....	3,855.44	February .....	4,492.63
September .....	3,134.80	March .....	4,630.21
October .....	3,198.96	April .....	3,360.78
November .....	3,796.36	May .....	4,429.55
December .....	4,714.07	June .....	4,099.77
			<u>\$49,320.97</u>

## SHERIFF'S EXPENSE.

1915.		1916.	
July .....	\$ 180.80	January .....	\$ 217.50
August .....	242.05	February .....	114.60
September .....	177.99	March .....	219.85
October .....	418.01	April .....	240.75
November .....	327.95	May .....	100.25
December .....		June .....	172.35
			<u>\$2,302.90</u>
Subsistence Allowed .....			\$44,400.00
Housing of U. S. Prisoners:			
(1st) Quarter Ending Sept. 30.....			296.00
(2nd) Quarter Ending Dec. 31.....			897.20
(3rd) Quarter Ending March 31.....			1,163.20
(4th) Quarter Ending June 30.....			1,212.80
Special Appropriation allowed.....			1,500.00
			<u>Total Subsistence Allowed.....\$49,469.20</u>
			<u>Total Subsistence Expended..... 49,320.97</u>
			Surplus .....
			\$ 148.23
Sheriff's Expense Allowed.....			\$ 2,500.00
Sheriff's Expense Expended.....			2,302.90
			<u>Surplus .....</u>
			\$ 197.10
Subsistence Surplus .....			\$ 148.23
Sheriff's Expense .....			197.10
			<u>Total Surplus .....</u>
			\$ 345.33

## REPORT OF THE SHERIFF OF SAN FRANCISCO COUNTY FOR THE FISCAL YEAR ENDING JUNE 30th, 1916.

Movement of Jail Population	Men	Women	Total
Number in Jail July 1, 1915.....	340	15	355
Number Received During the Year 1915-1916.....	2,942	218	3,160
<u>Total Prisoners for the Year.....</u>	<u>3,282</u>	<u>233</u>	<u>3,515</u>
Sent to State Prison.....	194	2	196
Sent to Reform Schools.....	15		15
Served Sentence in Jail.....	1,868	161	2,029
Released on Bail, Habeas Corpus.....	102	3	105
Released by Parole.....	221	13	*234
Released on Probation.....	205	12	217
Acquitted on Trial.....	68	7	75
Escaped 11; Recaptured 9.....	4	7	**11
Died .....	5	1	6
Insane, Sent to State Hospitals.....	16	3	19
Otherwise Removed from Jail.....	207	4	211
<u>Total Passed Out.....</u>	<u>2,915</u>	<u>206</u>	<u>3,121</u>

\* Released by parole this administration 45; previous administration 189.

\*\* Escapes, male 4, recaptured 2; female 7, recaptured 7—This administration. Former administration, no record of escapes.

## RECAPITULATION.

Number in Jail July 1, 1915.....	340	15	355
Received During Year .....	2,942	218	3,160
Totals .....	3,282	233	3,515
Passed Out During Year.....	2,915	206	3,121
Number in Jail June 30, 1916.....	367	27	394

## STATUS OF INMATES AT MIDNIGHT JUNE 30th, 1916.

	Men	Women
Awaiting Trial .....	93	1
Sentenced to Prison.....	3	1
Serving Jail Sentence.....	271	25
Total .....	367	27

AVERAGE DAILY NUMBER OF PRISONERS IN ALL JAILS FOR THE  
FISCAL YEAR ENDING JUNE 30, 1916.

July, 1915 .....	332.516
August, 1915 .....	299.032
September, 1915 .....	180.133
October, 1915 .....	234.032
November, 1915 .....	292.032
December, 1915 .....	324.516
January, 1916 .....	362.354
February, 1916 .....	476.517
March, 1916 .....	528.645
April, 1916 .....	491.566
May, 1916 .....	499.032
June, 1916 .....	407.100
	4,577.475
Monthly Average .....	381.456

FELONY PRISONERS AND THEIR CHARGES CONFINED AT THE COUNTY  
JAIL NO. 1 AT MIDNIGHT ON JUNE 30th, 1916.

Assault with intent to commit burder.....	3
Assault with intent to commit rape.....	1
Assault with intent to commit robbery.....	1
Assault with deadly weapon.....	2
Burglary .....	17
Forgery .....	8
Embezzlement .....	2
Grand Larceny .....	28
Infamous crime against nature.....	1
Murder .....	7
Making and passing fictitious instruments.....	2
Miscellaneous Sections of Penal Code.....	15
Omitting to provide for minor child.....	7
Ordered into custody .....	1
Rape .....	1
Violation Juvenile Court Law.....	1
Violation Act to Regulate Sale of Poisons.....	1
Total .....	98

MISDEMEANOR PRISONERS AND THEIR CHARGES CONFINED AT THE  
COUNTY JAILS NOS. 2 AND 3 AT MIDNIGHT JUNE 1916.

Assault (Simple) .....	7
Assault with deadly weapon.....	3
Attempt to commit burglary.....	2
Attempt to commit burglary, second degree.....	2
Attempt to commit robbery.....	1
Battery .....	6
Begging .....	10
Burglary .....	2
Carrying concealed weapons.....	4
Committing lewd and indecent act.....	2
Conspiracy .....	2
Drunk in public place.....	25
Disturbing the peace.....	4
Grand Larceny .....	2
Embezzlement .....	1
Indecent exposure .....	5
Malicious mischief .....	2
Making and passing fictitious instrument.....	1
Miscellaneous Sections of Penal Code.....	8
Petit larceny .....	49
Perjury .....	3
Vagrancy .....	88
Violation Statutes of Board of Supervisors.....	8
Violation Motor Vehicle Act.....	1
Violation of State Poison Laws.....	57
Robbery .....	1
<b>Total .....</b>	<b>296</b>
Prisoners on June 30, 1916, Jail No. 1.....	98
Prisoners on June 30, 1916, Jails No. 2 and No. 3.....	296
<b>Total all Jails .....</b>	<b>394</b>

NUMBER OF FELONY PRISONERS TRANSFERRED TO VARIOUS COURTS  
AND THEIR DAILY AVERAGE DURING THE FISCAL YEAR  
ENDING JJUNE 30, 1916.

Month	Days	Prisoners	Daily Average
July, 1915.....	26	416	16.000
August, 1915 .....	26	413	15.884
September, 1915.....	23	266	11.565
October, 1915 .....	24	311	12.958
November, 1915.....	23	266	11.565
December, 1915 .....	26	406	15.615
January, 1916.....	25	471	18.840
February, 1916.....	23	458	19.913
March, 1916.....	27	479	17.740
April, 1916.....	25	463	18.520
May, 1916.....	25	422	16.880
June, 1916.....	26	352	13.538
<b>Totals .....</b>	<b>299</b>	<b>4,723</b>	<b>15.795</b>

Average number of Prisoners transferred to various courts during the Fiscal Year ending June 30, 1916, 15,795.

FELONY PRISONERS COMMITTED DURING THE FISCAL YEAR ENDING  
JUNE 30, 1916, AND THEIR OFFENSES.

Arson .....	1
Assault with a deadly weapon.....	17
Assault with intent to commit murder.....	21
Attempt to commit burglary.....	9
Attempt to commit grand larceny.....	11
Attempt to commit robbery.....	3
Assault with intent to commit robbery.....	18
Assault to commit rape.....	2
Assault with intent to do bodily harm.....	1
Abandonment and neglect of wife.....	3
Bigamy .....	1
Burglary .....	147
Conspiracy .....	1
Contributing to delinquency of minor.....	1
Embezzlement .....	18
Forgery .....	38
Held as witness.....	6
Grand larceny .....	105
Held in route.....	5
Infamous crime against nature.....	6
Murder .....	27
Making and passing fictitious instrument.....	15
Manslaughter .....	4
Mayhem .....	2
Ordered into custody.....	50
Obtaining money under false pretenses.....	6
Obtaining property by false pretenses.....	2
Pimping .....	4
Perjury .....	10
Practicing medicine without a license.....	4
Robbery .....	71
Receiving stolen property.....	5
Omitting to provide for minor child.....	54
Rape .....	20
Seduction under promise of marriage.....	1
Violation of Juvenile Court Law.....	2
Violation of Motor Vehicle Act.....	6
Violation of Act to Regulate Sale of Poisons.....	5
Violation of Statutes 45-1915.....	1
Violation miscellaneous Sec. Penal Code.....	64
<hr/>	
Total .....	767
Prisoners, July 1st 1915.....	142
<hr/>	
Recapitulation .....	809

FELONY PRISONERS DISCHARGED DURING THE FISCAL YEAR ENDING  
JUNE 30th, 1916.

Delivered to U. S. authorities.....	2
Discharged by bail, bonds, habeas corpus.....	99
Discharged by order of Court.....	66
Acquitted .....	75
Discharged on motion of District Attorney.....	1
San Quentin .....	133
Folsom .....	63
Preston .....	15
Escaped 5. Recaptured 3.....	2
Transferred to insane asylums.....	15
Turned over to sheriff of other counties.....	4
Released on O. R.....	39
Released on probation.....	217
Fined and released.....	0
Transferred to Jail No. 2.....	68
Turned over to Juvenile Detention Home.....	1
Turned over to Juvenile Court.....	4
<hr/>	
Total .....	806
Prisoners June 30, 1916.....	98
	<hr/>
	904

AMOUNT OF MONEYS COLLECTED AT THE COUNTY JAIL IN FINES  
DURING THE FISCAL YEAR ENDING JUNE 30th. 1916

June 30, 1915.....	\$ 18.00
July 15, 1915.....	\$86.00
July 22, 1915.....	2.00 88.00
October 22, 1915.....	10.00
November 3, 1915.....	\$ 2.00
November 4, 1915.....	2.00
November 15, 1915.....	90.00 94.00
January 5, 1916.....	23.00
January 22, 1916.....	45.00 68.00
March 14, 1916.....	154.00
April 6, 1916.....	4.00
June 22, 1916.....	\$38.00
June 29, 1916.....	6.00 44.00
May 20, 1916.....	4.00
<hr/>	
Total fines collected for the year.....	\$484.00

Remarks: No fines were collected for July, 1915; August, 1915; September, 1915; December, 1915; February, 1916.

PRISONERS RELEASED ON PAROLE DURING THE FISCAL YEAR ENDING  
JUNE 30th, 1916.

Date	Granted	Denied	Continued
July, 1915 .....	18	....	....
August, 1915 .....	14	....	....
September, 1915 .....	12	....	....
October, 1915 .....	17	....	....
November, 1915 .....	58	4	9
December, 1915 .....	57	1	3
January, 1916 .....	16	....	....
February, 1916 .....	5	....	....
March, 1916 .....	7	....	....
April, 1916 .....	15	....	....
May, 1916 .....	7	....	....
June, 1916 .....	8	....	....
Totals .....	234	5	12

MISDEMEANOR PRISONERS DISCHARGED DURING FISCAL YEAR  
ENDING JUNE 30th, 1916.

Discharged by term expired.....	738
Discharged by credits.....	1,291
Paroled .....	234
Discharged on payment of fine.....	13
Discharged by bail, bonds, habeas corpus.....	6
Discharged by order of Court.....	4
Died .....	6
Escaped 16. Recaptured 4.....	12
Transferred to insane asylum.....	4
Delivered to U. S. authorities.....	1
Released on appeal.....	2
Transferred to Ione .....	1
Total .....	2,315
Prisoners on hand June 30, 1916.....	296
Recapitulation .....	2,611

MISDEMEANOR PRISONERS COMMITTED DURING THE FISCAL YEAR  
ENDING JUNE 30th, 1916, AND THEIR OCCUPATIONS.

Actors .....	3	Housewives .....	43
Actresses .....	2	Inspectors .....	1
Agents .....	2	Ironworkers .....	31
Attorneys .....	1	Janitors .....	9
Auditors .....	1	Junk Dealers .....	1
Bakers .....	11	Lathers .....	1
Barbers .....	35	Laundryworkers .....	23
Bartenders .....	14	Laborers .....	565
Bedmakers .....	1	Longshoremen .....	13
Bellboys .....	6	Lumbermen .....	4
Blacksmiths .....	13	Machinists .....	40
Boilermakers .....	14	Manufacturers .....	1
Bookkeepers .....	8	Masons .....	3
Bootblacks .....	6	Merchants .....	5
Boxmakers .....	2	Messengers .....	5
Bricklayers .....	5	Miners .....	37
Broommakers .....	1	Moulders .....	4
Butchers .....	7	Motormen .....	2
Cabdriver .....	1	Musicians .....	9
Cabinetmakers .....	3	Miscellaneous Mechanics .....	19
Candymakers .....	1	Newsboys .....	6
Carpenters .....	39	Newspapermen .....	1
Carriagemakers .....	1	Nurses .....	4
Chauffeurs .....	15	Operators .....	4
Chemists .....	1	Packers .....	1
Cigarmakers .....	13	Painters .....	57
Clerks .....	55	Paperhangers .....	2
Cooks .....	140	Peddlers .....	27
Coppersmiths .....	1	Pipefitters .....	4
Coopers .....	4	Photographers .....	2
Dishwashers .....	14	Plasterers .....	9
Doctors .....	1	Plumbers .....	18
Domestics .....	69	Press Agents .....	1
Draughtsman .....	1	Pressmen .....	5
Dressmakers .....	7	Printers .....	20
Druggists .....	1	Prizefighters .....	1
Electricians .....	23	Porters .....	15
Engineers .....	8	Railwaymen .....	8
Factoryworkers .....	1	Ranchers .....	1
Farmers .....	11	Real Estate .....	2
Firemen .....	46	Sailors .....	94
Fishermen .....	9	Salesladies .....	8
Florists .....	3	Salesmen .....	16
Fortune Tellers .....	1	Saloonkeepers .....	1
Gardeners .....	17	Seamstresses .....	3
Gasfitters .....	2	Shipcaulkers .....	1
Glovemakers .....	1	Shoemakers .....	22
Grocers .....	2	Soliders .....	10
Harnessmakers .....	2	Stenographers .....	8
Hatters .....	4	Steamfitters .....	10
Hodcarriers .....	1	Stablemen .....	8
Horsemen .....	6	Stevedores .....	13
Hostlers .....	4	Stewards .....	4



Stonecutters .....	4	Undertakers .....	1
Solicitors .....	3	Upholsterers .....	2
Tailors .....	34	Watchmen .....	2
Tailoresses .....	1	Waiters .....	150
Tanners .....	1	Waitresses .....	7
Teamsters .....	133	Winemakers .....	1
Telephone Operators .....	3	Woodworkers .....	2
Tile Inspectors .....	1	No record .....	185
Tinsmiths .....	9	Total occupations	2,393

Remarks.—The 185 shown as No Record served their sentences at the City Prison and no data was secured of them.

MISDEMEANOR PRISONERS COMMITTED DURING THE FISCAL YEAR  
ENDING JUNE 30th, 1916, AND THEIR OFFENSES.

Assault (simple) .....	11
Assault with deadly weapon.....	6
Attempt to commit petit larceny.....	3
Attempt to commit grand larceny.....	1
Attempt to commit robbery.....	2
Attempt to Commit burglary.....	17
Attempt at making and passing fictitious instrument.....	3
Burglary 1, burglary second degree 5.....	6
Battery .....	62
Begging .....	349
Contempt of Court .....	4
Carrying concealed weapons.....	28
Conspiracy .....	2
Disturbing the peace .....	64
Drunk in public place.....	229
Defrauding the inkeeper .....	1
Defrauding an auto driver.....	2
Embezzlement .....	6
Exhibiting a deadly weapon.....	1
Grand larceny .....	2
Indecent exposure .....	23
Malicious mischief .....	35
Lewd and indecent act.....	6
Masquerading in U. S. uniform.....	1
Lottery tickets in possession.....	1
Obtaining money by false pretenses.....	4
Obtaining goods by false pretenses.....	1
Petit larceny .....	286
Perjury .....	3
Resisting an officer.....	2
Robbery .....	1
Soliciting prostitution .....	3
Vagrancy .....	981
Violation State Poison Law.....	190
Violation Motor Vehicle Act.....	4
Violation Penal Code .....	13
Violation Juvenile Court Law.....	1
Violation Ordinances Board of Supervisors.....	38
Violation Criminal Code and Bankruptcy Act.....	1
Total .....	2,393
Prisoners July 1st, 1915.....	213
Recapitulation .....	2,606

BIRTHPLACES OF MISDEMEANOR PRISONERS COMMITTED DURING  
THE FISCAL YEAR ENDING JUNE 30th, 1916.

Alabama .....	8	Australia .....	10
Arkansas .....	2	Austria .....	21
Arizona .....	9	Bulgaria .....	1
California .....	602	Canada .....	19
Colorado .....	15	Central America .....	3
Connecticut .....	11	China .....	39
District of Columbia .....	1	Ceylon .....	1
Florida .....	4	Cuba .....	1
Georgia .....	4	Denmark .....	8
Idaho .....	3	East India .....	1
Illinois .....	85	England .....	59
Iowa .....	18	France .....	10
Indiana .....	21	Finland .....	17
Kansas .....	9	Germany .....	50
Kentucky .....	24	Guiana .....	1
Louisiana .....	21	Greece .....	15
Maine .....	3	Egypt .....	1
Maryland .....	9	Holland .....	1
Massachusetts .....	66	Hawaii .....	4
Michigan .....	39	Hungary .....	1
Minnesota .....	27	Ireland .....	166
Mississippi .....	10	Italy .....	31
Missouri .....	38	India .....	1
Montana .....	7	Jamaica .....	2
Nebraska .....	10	Japan .....	3
Nevada .....	12	Mexico .....	106
New Hampshire .....	3	Norway .....	37
New Jersey .....	14	New Brunswick .....	1
New York .....	125	New Zealand .....	7
North Carolina .....	5	Porto Rico .....	11
North Dakota .....	1	Portugal .....	4
Ohio .....	50	Panama .....	1
Oklahoma .....	5	Poland .....	1
Oregon .....	16	Philippines .....	13
Pennsylvania .....	71	Russia .....	26
Rhode Island .....	5	Scotland .....	34
South Dakota .....	2	Servia .....	2
Tennessee .....	13	Sweden .....	25
Texas .....	24	Switzerland .....	8
Utah .....	8	South America .....	16
Virginia .....	10	Spain .....	4
Washington .....	21	Turkey .....	2
West Virginia .....	8	West Indies .....	1
Wisconsin .....	18	Wales .....	1
	1,457		766

RECAPITULATION.

Total U. S. ....	1,457
Total Foreign .....	766
No Record .....	170
Grand Total .....	2,393

Remarks.—The 170 shown as No Record served their sentences as the City Prison and no data was secured for them.

TERM OF SENTENCE OF MISDEMEANOR PRISONERS COMMITTED  
DURING THE FISCAL YEAR ENDING JUNE 30th, 1916.

2 Years .....	3	6 Days .....	1
18 Months .....	5	5 Days .....	39
1 Year .....	23	3 Days .....	1
11 Months .....	1	\$500.00 or 180 Days .....	1
10 Months .....	3	\$400.00 and 6 Months.....	4
8 Months .....	2	\$400.00 or 180 Days .....	4
6 Months .....	267	\$400.00 or 100 Days .....	1
5 Months .....	4	\$250.00 or 125 Days .....	1
4 Months .....	9	\$250.00 or 100 Days .....	2
3 Months .....	117	\$200.00 or 100 Days .....	8
2 Months .....	2	\$150.00 or 65 Days .....	1
180 Days .....	12	\$100.00 or 100 Days .....	4
100 Days .....	1	\$100.00 or 50 Days .....	74
90 Days .....	153	\$ 50.00 or 50 Days .....	1
60 Days .....	219	\$ 50.00 or 25 Days .....	1
50 Days .....	4	\$ 50.00 or 10 Days .....	1
35 Days .....	1	\$ 25.00 or 25 Days .....	1
30 Days .....	871	\$ 25.00 or 10 Days .....	1
20 Days .....	7	\$ 20.00 or 20 Days .....	3
15 Days .....	6	\$ 5.00 or 5 Days .....	6
10 Days .....	525	Indefinite .....	2
7 Days .....	1		
		Total .....	2,393

Total number of Misdemeanor Prisoners committed during the Fiscal Year ending June 30th, 1916, 2,393.

MEDICAL REPORT BY DRs. BRACKETT AND ROSENCRANTZ FOR THE  
FISCAL YEAR ENDING JUNE 30, 1916.

Date	Jail No 1		Jails No. 2 and 3	
	Medical	Surgical	Medical	Surgical
July, 1915 .....	---	---	488	294
August, 1915 .....	60	---	222	124
September, 1915 .....	67	---	119	111
October, 1915 .....	83	---	75	41
November, 1915 .....	87	---	165	38
December, 1915 .....	150	---	212	36
January, 1916 .....	140	---	84	21
February, 1916 .....	118	---	56	16
March, 1916 .....	135	---	612	79
April, 1916 .....	110	---	722	100
May, 1916 .....	115	---	355	101
June, 1916 .....	105	---	168	99
Total .....	1,170	---	3,278	1,060

Total treated in all Jails, 5,508.

PRISONERS RELEASED ON PAROLE DURING FISCAL YEAR ENDING  
June 30th, 1916.

Number of Applications made from January 8th, 1916, to June 30th, 1916....	570
Number of Applications granted.....	45
Number of Applications denied.....	525
(Above figures apply to present administration.)	
Previous administration, number of paroles granted.....	189

# Coroner's Report

San Francisco, August, 30, 1916.

Honorable James Rolph, Jr.,

Mayor, City and County of San Francisco.

Dear Sir:—In compliance with Section 9, Article XVI of the Charter of the City and County of San Francisco, I herewith submit my annual report as Coroner for the fiscal year 1915-1916.

Respectfully submitted,

THOS. B. W. LELAND,

Coroner.

## CORONER

471

Number of Inquests .....	740
Natural Cause .....	692
Total .....	1,432

## CASES BY MONTH.

	Inquest	Natural
July, 1915 .....	69	45
August, 1915 .....	41	46
September, 1915 .....	66	59
October, 1915 .....	54	53
November, 1915 .....	68	74
December, 1915 .....	66	55
January, 1916 .....	67	81
February, 1916 .....	64	43
March, 1916 .....	61	74
April, 1916 .....	65	62
May, 1916 .....	59	52
June, 1916 .....	60	48

740                      692

Accidents (of which 64 are industrial accidents).....	342
Unknown .....	45
Unable to determine.....	6
Murder .....	65
Justifiable homicide .....	12
Manslaughter .....	3
Abortion .....	13
Natural cause .....	6
Suicide .....	248

740

Number of jurors serving on Coroner's juries.....	1,120
Number of cases investigated by Coroner's office not brought into office but countersigned .....	440

## SUICIDE.

Male .....	205
Female .....	43

248

## STATION.

Married .....	87	Widower .....	11
Single .....	73	Unknown .....	68
Widow .....	5	Divorced .....	4

248

## MODE.

Gas .....	58	Strychnine .....	3
Gunshot .....	95	Carbolic acid .....	6
Drowning .....	13	Jumped' from height.....	12
Cyanide .....	14	Knife .....	3
Hanging .....	14	Shotgun .....	1
Lysol .....	5	Arsenic .....	1
Bichloride .....	8	Ether .....	1
Razor .....	13	Chloroform .....	1

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## MOTIVE.

Lack of employment.....	16	Unknown .....	45
Financial difficulties .....	25	After attempt at murder.....	7
Derangement (temporary) .....	21	Loss of position.....	1
Domestic trouble .....	18	Drink .....	13
Business reverses .....	6	Fear of insanity.....	2
Ill health .....	50	Resisting arrest .....	1
Love affair .....	6	Jealousy .....	6
Delirium tremens .....	1	Grief .....	4
Melancholia .....	15	Despondency .....	4
Insane .....	6	Neuresthenia .....	1

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## OCCUPATION.

Actress .....	1	Manager .....	1
Bartender .....	3	Machinist .....	4
Baker .....	4	Medium .....	1
Bedmaker .....	1	Musician .....	1
Butcher .....	2	Miner .....	2
Barber .....	2	Messenger boy .....	1
Bookkeeper .....	2	Merchant .....	4
Cook .....	4	Marine fireman .....	1
Cashier .....	1	Marine engineer .....	1
Candymaker .....	2	Nursemaid .....	1
Cigar dealer .....	2	Newspaperman .....	1
Cabinet maker .....	1	Peddler .....	2
Construction hand .....	1	Painter .....	5
Chauffeur .....	1	Physician .....	1
Conductor .....	2	Porter .....	3
Clerk .....	9	Restauranteur .....	1
Carpenter .....	7	Rancher .....	3
Cement worker .....	2	Retired .....	8
Dentist .....	2	Real estate .....	1
Domestic .....	2	Servant .....	1
Dairyman .....	1	Stevedore .....	3
Editor .....	1	Steward .....	1
Elevator operator .....	1	Soldier .....	4
Electrician .....	3	Solicitor .....	4
Fireman .....	1	Salesman .....	6
Fisherman .....	3	Sailor .....	4
Farmer .....	2	Seaman .....	1
Factory agent .....	1	School girl .....	1
Gas worker .....	1	Saloonkeeper .....	1
Gardener .....	1	Special officer .....	1
Housewife .....	26	Teamster .....	7
Hotel keeper .....	2	Teacher .....	2
Horseshoer .....	1	Tailoress .....	1
Iron worker .....	1	Tailor .....	2
Kitchen worker .....	1	Traveling man .....	2
Knitter .....	1	Unknown .....	43
Laborer .....	16	Waiter .....	2
Laundryman .....	1	Water tender .....	1
Lithographer .....	1	Window cleaner .....	1
Lecturer .....	1	Violin maker .....	1

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## NATIVITY.

Austria .....	5	Japan .....	1
Australia .....	1	Italy .....	13
China .....	3	Mexico .....	3
Canada .....	2	Norway .....	3
Denmark .....	6	Portugal .....	2
England .....	10	Poland .....	1
Egypt .....	1	Russia .....	6
France .....	4	Sweden .....	7
Finland .....	2	Switzerland .....	4
Germany .....	27	Siam .....	1
Hungary .....	1	United States .....	78
Ireland .....	6	Unknown .....	61
			<u>248</u>

## ACCIDENTS.

Jitneys—		Automobiles—	
Struck by .....	11	Collision with motorcycles.....	4
Fall from .....	1	Struck by .....	25
Collision bet. jitney and car..	1	Walked into .....	1
	<u>13</u>	Collision with wagon.....	1
Auto Truck—		Collision with electric car.....	4
Struck by .....	4	Overtuning .....	2
Truck and car collided.....	2	Fall from .....	2
Between fire engine and truck	1	Skidding .....	1
	<u>7</u>	Running in front of.....	1
Buggy .....	1	Manslaughter .....	1
Wagon .....	2		<u>42</u>
Horse drawn truck.....	1	Kicked by—	
Auto bus .....	1	Horse .....	1
Train—		Electrocution—	
Crushed bet. freight car and		Contact with transformer.....	1
platform .....	4	Contact with high tension.....	1
Crushed by .....	4		<u>2</u>
Struck .....	4	Street Cars—	
	<u>12</u>	Struck by .....	21
Motorcycles—		Collided with auto.....	2
Collision with auto.....	1	Walked into .....	3
Collision with car.....	1	Collision with wagon.....	5
	<u>2</u>	Backing up .....	1
Elevators—		Slipped under .....	1
Crushed by .....	3	Jumped track .....	1
Crushed by freight elevator....	1	Cable car .....	1
Struck by counterweights.....	2		<u>35</u>
Crushed by sidewalk elevator..	1	United Railroads Co.....	28
	<u>7</u>	Municipal .....	7
Machinery—			<u>35</u>
Caught in .....	1	Explosion—	
Breaking belt .....	1	In locomotive .....	1
	<u>2</u>	Mine explosion .....	1
			<u>2</u>

## ACCIDENTS—Continued

Struck by—		Falls—	
Sling load of lumber.....	1	From barge .....	1
Sling load of sugar.....	1	From truck .....	1
Sling load of niter.....	1	From plank .....	1
Falling rock .....	1	From telegraph pole .....	1
Rim of auto.....	1	From scaffold .....	1
Castings .....	1	From hand car .....	2
Crane .....	1	From staging .....	1
Baseball .....	1	From pigeon house .....	1
Bicycle .....	1	From chair .....	3
Wave at sea.....	1	From ladder .....	3
Falling billboard .....	1	From window .....	8
Bucket of coal.....	1	From go-cart .....	1
Folding bed .....	1	From loft .....	3
Wagon wheel .....	1	From ship's ladder .....	1
Falling Wall .....	1	From elevator shaft .....	1
Pile driver .....	1	From wagon .....	1
—	16	From pile driver .....	1
Fire Engine overturning.....	1	From building .....	3
Gas .....	46	From platform .....	1
Drowning .....	10	From gang plank .....	1
Gunshot .....	5	From fire escape .....	1
Poisons—		From deck of steamer.....	1
Opium .....	1	Overboard .....	3
Liniment .....	1	Down bunkers .....	1
Overdose of medicine.....	1	Down steps .....	12
Bichloride .....	1	Over bulkhead .....	1
Morphine .....	1	On steamer .....	1
Cyanide .....	1	Into machinery .....	1
Alcohol .....	1	Into ship's hold .....	7
Muriatic acid .....	1	Into basement .....	1
—	9	Into pit .....	2
Manner Unknown .....	3	Through lightwell .....	2
Suffocation—		Out of bed.....	1
Burning building .....	1	Off roof .....	5
In bed .....	1	Off floor .....	3
Head in hole.....	1	Off porch .....	5
Smoking in bed.....	1	Over banister .....	2
Cave in sewer trench.....	1	While skating .....	1
—	6	On sidewalk .....	11
Unable to Determine—		—	97
Gunshot .....	1	Burns—	
From scratch .....	1	From oil .....	1
Infection of arm.....	1	From kerosene .....	1
Strain .....	1	Scalding (hot water).....	3
Body too badly decomposed....	2	Gas stove .....	2
—	6	Defective wiring .....	1
		Building .....	7
		Carbolic acid .....	1
		Gasoline lamp .....	3
		Grate fire .....	1
		Alcohol lamp .....	1
		Matches .....	1
		—	22



## ACCIDENTS—Continued

Unknown—		Fall across pump.....	1
Drowning .....	25	Gas .....	5
Injuries .....	4	Strychnine .....	1
In mine .....	2	Violence .....	1
Suspicion of robbery.....	1	Burns .....	1
Fall from roof.....	1		— 42

## CRIMES.

Murder—		Justifiable homicide .....	12	12
Gunshot .....	53	Manslaughter .....	3	3
Stab wounds .....	5	Abortion—		
Knife .....	3	Self-induced .....	4	
Strangulation .....	1	Parties unknown .....	3	
Hatchet .....	1	Cause unknown .....	2	
Gas .....	1	Criminal .....	3	
Ether .....	1	Accidental .....	1	
	— 65			— 13

## RECOMMENDATIONS.

In the case of Elizabeth O'Brien, Mary Condon, Stella Barouch, Mary Coleman and Florence Mathers, burned in fire at St. Francis Girls Directory.

The cause of the fire is unknown, but apparently originated in the kitchen.

We find that the attention of the Board of Public Works has repeatedly been called to the unsafe condition of the building and no finality of action has ever been taken. We find that direct responsibility for lack of action on these reports rests directly with the Board of Public Works, this fault being due to the lack of system. We, the jury, are unable to place the responsibility on any individual inspector, who, if the evidence was forthcoming in this case, we believe should be charged with the crime of manslaughter. We recommend that the Chief of the Fire Department make a thorough investigation of all buildings used as orphanages, hospitals and similar institutions, requiring them to immediately be placed in safe condition with regard to fire, and that if these conditions as required by the Fire Department are not complied with in a reasonable time that due publicity be given to the condition of these buildings through the official Municipal Record, and that a poster warning be placed in a conspicuous place on said building for the benefit of the public.

From the evidence produced we find that an interval of twenty-two minutes elapsed from the time the fire was discovered until the alarm was recorded in the Central Fire Station, notwithstanding a fire alarm box was within eighty feet of the front door.

We find that the Fire Department was on the ground and at work within five minutes after the alarm had been turned in; therefore, we recommend that an auxiliary fire alarm be placed in all institutions occupied by children and infirm persons. The jury protests against the rebuilding of the present structure unless it conforms to the present fire ordinances.

We further recommend that in all similar institutions where young, weak or helpless individuals are housed and where such institutions are conducted solely by females, that male night watchmen be employed such as are provided in any ordinary warehouses with all modern requirements which will insure a safe and periodical inspection of the premises.

We further recommend compulsory requirement of fire drills in all institutions, both public and private and that the enforcement of this requirement be placed in the hands of the Chief of the Fire Department.

We recommend that a Commission of Public Safety be appointed to secure action in all matters recommended by Fire Wardens or other public departments.

\* \* \*

In the case of Baby Taylor, 5 weeks old, inquested December 10, 1915.

Death was accidental due to burns. We the jury recommend that the Board of Health of the City and County of San Francisco enact an ordinance requiring that when any apparatus is used in Hospitals or Institutions for vaporizing or other purposes and when a flame is used in connection therewith that someone be required to be in constant attendance while said apparatus is in operation.

\* \* \*

In the case of George O'Neill, inquested December 29, 1915.

Death was accidental—asphyxiation—due to defective flue.

Death was accidental caused by asphyxiation due to defective flue. We recommend that the Board of Health cause notices to be posted on all un-vented heaters, calling attention to the menace to life.

\* \* \*

In the case of Violet Farnsley, inquested May 4, 1916.

Death due to carbon monoxide poison.

That said death was accidental. We hereby recommend that the Health Department officers' attention be called to the fact that a great many deaths have occurred owing to the gas heaters not being properly vented, and that a law be passed requiring that all gas heaters be properly vented.

\* \* \*

In the case of James Doughty, inquested May 16, 1916.

Death due to burns and weakened condition, pneumonia.

Burns due to carelessness of authorities of Children's Hospital in not giving proper instructions to employes of Hospital in the use of electrical equipment.

We, the jury, recommend that the Coroner address a communication to each Hospital in the City and County of San Francisco calling their attention to this type of accident and requesting said authorities to formulate rules for the guidance of their employes in order to prevent future similar accidents.

\* \* \*

In the case of Antonio Lorrea, inquested June 2, 1916

Death from carbon monoxide poison.

Accidental death from gas. It is the sense of the jury that it is the duty of the Supervisors of the City and County of San Francisco and the Legislature of the State of California to provide better protection for persons unfamiliar with the use of illuminating gas.

We find that the fixtures which combine gas and electricity are particularly dangerous to persons not familiar with the use of illuminating gas, and we recommend that better safeguards be provided in combination fixtures installed in all hotels and rooming houses.

\* \* \*

In the case of James Nielsen, inquested August 2, 1915.

Said death was accidental, due to drowning.

We, the jury, hereby heartily commend the brave action of Samuel Stocker in risking his life in a heroic endeavor to rescue the body of James Nielsen, and the same Samuel Stocker repeatedly swimming out and diving for, and finally rescuing said body.

We, the jury, recommend that Coroner T. B. W. Leland bring to the attention of his Honor, Mayor James Rolph, Jr., of the heroic action of this young man, and we further recommend that the Mayor in some way show the appreciation of the City and County of San Francisco for this meritorious service.

Resolved further, that Coroner Leland be directed to forward said Samuel Stocker a copy of this recommendation, also that a copy be forwarded to his Honor, James Rolph, Jr.

\* \* \*

In the case of Patrick Quinn, inquested August 2, 1915.

Said death was accidental, due to drowning.

Recommendations same as above in the case of James Nielsen.

\* \* \*

In the case of Annie Dwyer, inquested August 5, 1915.

Deceased died from natural causes.

We further find from evidence that the deceased was thrown into jail on account of drunkenness and remained there several days before receiving the proper attention that should be given in the case of this kind.

It is the recommendation of the jury that it is high time that persons found under the influence of liquor should be given the attention they require and separated from criminals, to which class most drunkards thrown into jail do not belong. We recommend that the proper authorities take up this matter and that a ward for male and female inebriates be provided in San Francisco Hospital and that all cases of drunkenness be taken to the Hospital instead of the jail, recognizing as we do that drunkenness is a disease that cannot be eliminated until the cause has been removed and that it is a condition of weakness and environment. We believe that these people should be treated along humane lines and not as criminals.

\* \* \*

In the case of John Moore, inquested August 10, 1915.

Deceased committed suicide while suffering from lack of drugs to which he had been addicted.

We recommend that the City and County of San Francisco and the State of California provide a separate institution for the treatment of all such cases.

\* \* \*

In the case of Thomas Douglas, inquested April 26, 1916.

Suicide from gunshot wound of the head.

Melancholia while suffering from nervous trouble. We further recommend the Board of Supervisors be petitioned to make suitable provision for the treatment of such classes as this.

\* \* \*

In the case of Nathan Feitelberg, inquested October 22, 1915.

Died from hemorrhage following fracture of skull.

That the said Nathan Feitelberg was attempting to drive across car track while driving on wrong side of street, and in so doing the rear wheel was struck by slow moving car, the contact throwing driver to the pavement. We exonerate the motorman.

We further recommend that Ordinance No. 1857, section 65, relative to lights being carried on vehicles other than motor driven, be rigidly enforced by the Police Department.

We further beg to inquire why the street lights are extinguished in this City at an hour in the morning when it is to dark for the safety of pedestrians or traffic crossing car tracks.

\* \* \*

In the case of Emilio Sartori, inquested April 20, 1916.

Died from injuries—crushing of pelvis and leg.

Result of injuries received by being thrown from his wagon by a U. R. R. car through the carelessness of the motorman. We further find that the acci-

dent happened at night and deceased had no light on his wagon. Recommend that Chief of Police rigidly enforce transportation ordinance with reference to this subject.

\* \* \*

In the case of Fred Pierce, inquested May 19, 1916.

Death from drowning.

Accidental death. We recommend that the Board of Public Works take immediate action to have the street adjoining the pond graded and sewered so that owners of the pond can have same drained and in the meantime owners to take proper precaution to prevent further loss of life.

\* \* \*

In the case of William H. Whittock, inquested June 16, 1916.

Death from injuries—crushing of leg.

Accidental death due to being struck by street car and we hereby exonerate the motorman from all blame in the matter.

We also recommend that the Board of Public Works be requested to reconstruct that safety station and any other built on an angle which permits the running board or steps of a street car to over-lap the safety station.

\* \* \*

In the case of Edward M. Flood, inquested November 29, 1915.

Deceased died from internal injuries.

Deceased met his death from injuries received from being crushed between the car and platform while following his occupation as brakeman and coupling cars at the Hercules Powder Works spur track at Pinole. We recommend the discontinuance of this spur track until conditions are improved.

\* \* \*

In the case of Michael C. Donovan, inquested June 16, 1916.

Death from fractured skull.

Accidentally falling from orlop deck to an open floor space in hold of vessel Shinyo Maru. We also recommend that the State Harbor Commission appoint an inspector to instruct the contracting stevedores to take precautionary measures to prevent accidents before stevedores are permitted to work.

\* \* \*

In the case of Abraham Braunstein, inquested April 26, 1916.

Suicide—arsenic poison.

While suffering from melancholy over ill health (tuberculosis) and we would respectfully recommend Board of Supervisors to make suitable provision for the treatment of such cases.

\* \* \*

In the case of Olivia Duncan, inquested April 29, 1916.

Death from abortion.

That said death was due to hemorrhage following rupture of ectopic pregnancy, the rupture being produced by treatments by Dr. William N. Lamb claimed by him to have been for the purpose of relieving the effects of treatment to produce abortion. We further find: that said Dr. Lamb displayed gross ignorance in said case, and we further recommend that the County Medical Society take steps to revoke the license and privileges of the said Dr. Lamb, he being in our judgment incompetent to practice medicine. The essential police evidence and witnesses were absent in this case, and we, the jury, recommend that the said Dr. Lamb be arrested and charged with criminal intent to produce abortion.

\* \* \*

In the case of Joseph Corwell, inquested June 16, 1916.

Death was accidental—collision of motor driven apparatus.

That this accident was caused by a motor driven engine running into the rear right wheel of a motor driven truck, said apparatus meeting at right angles. That the engine was preceded by a hose apparatus which always precedes an engine and which should have served as a warning to the driver of the approaching truck that an engine was following.

The driver of the engine testifies that the hose apparatus was three-quarters of a block a head of his engine. The driver of the truck states that the hose apparatus crossed Stockton street at Post when he was two blocks away at the mouth of the tunnel and that he could not determine at that distance that it was a hose apparatus.

On account of this discrepancy in the testimony we are unable to place the responsibility for the accident.

The drivers claim that they not only have to steer the apparatus and attend to its propulsion, but also have to attend to the danger signals (blowing of the siren, etc.).

We, the jury, believe that this accident could have been avoided had proper rules governing the right of way and for proper signalling been in force.

That a lookout be required to ride with the driver whose particular duty it will be to assist and warn the driver.

That the matter of the procedure of motor driven fire apparatus through the streets be given the serious attention of the fire department authorities to the end that the lives of firemen who are compelled to ride on the apparatus may not be needlessly endangered and that only the most experienced and highest type of drivers be employed.

\* \* \*

In the case of Axel Olsen, inquested on January 10, 1916.

Death from injuries—crushing of chest wall.

Unavoidable accident and we further recommend that the Superintendent of the Industrial Accident Board confer with the business agent of the Hoisting Eng. Assn. to devise means to minimize such accidents.

\* \* \*

In the case of Henry Chilson, inquested January 7, 1916.

Death from injuries—struck by falling billboard.

That he came to his death accidentally due to the fall of a twenty foot billboard situated on the southeast corner of Polk and O'Farrell streets, due to the unusual violence of the storm, and to prevent future accidents the jury recommends that no billboards or other similar structure shall be erected in the City and County of San Francisco in excess of ten feet in height, unless it be anchored with suitable anchors or dead men. The character of these anchors should be determined by the City Engineer.

\* \* \*

In the case of William J. Malone, inquested February 24, 1916.

Death from injuries—fracture of chest wall.

Death was the result of injuries received by accidentally falling into a hole dug for placing pole for lighting purposes. We recommend that lights be maintained where such work is being done at night.

\* \* \*

In the case of Chas. G. Schmitt, inquested May 5, 1916.

Death from injuries—fracture of chest wall and pelvis.

Accidentally falling through hatchway aboard steamer Nippon Maru, and we hereby recommend that the proper authorities require all owners to see that all hatchways and openings are properly protected.

\* \* \*

In the case of Thomas Slattery, inquested April 20, 1916.

Death from injuries—fracture of skull.

Accidental—falling down bunkers of Twin Peaks Tunnel. Recommend that the contractors take proper precaution to prevent similar accidents in the future.

\* \* \*

In the case of Patrick Whitney, inquested May 9, 1915.

Death from injuries—fracture of skull.

Said death was accidental, due to being struck by an automobile driven by one Richard Van Ness and we hereby exonerate the driver from all blame in the matter. The jury recommends that the Board of Public Works put street sweepers of old age in districts less dangerous than Golden Gate avenue, where deceased was killed.

# REPORT

OF THE

## DEPARTMENT OF PUBLIC HEALTH

SAN FRANCISCO, CALIFORNIA

FOR THE

FISCAL YEAR JULY 1, 1915—JUNE 30, 1916

---

ARTHUR H. BARENDT, President.

GUY E. MANNING, M. D.

LAWRENCE ARNSTEIN.

A. P. O'BRIEN, M. D.

FRANK J. KLIMM.

GEORGE B. SOMERS, M. D.

ARTHUR M. SHARP.

---

WM. C. HASSLER, M. D., Health Officer.

GEO. M. CONVERSE, M. D., Chief Sanitary Inspector.

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ED. M. COFFEY, Statistician.

San Francisco, California, August 15, 1916.

Honorable James Rolph, Jr.,  
Mayor, City and County of San Francisco.

Sir:—In conformity with the provisions of Article 9, Section 16, of the Charter of the City and County of San Francisco, I have the honor to submit herewith a report of the Department of Public Health covering the fiscal year ending June 30, 1916.

In formulating its report for the two previous fiscal years, this Department adopted the recommendation of the American Public Health Association, namely that an effort be made to create a uniformity in the style of Health reports for American cities, and in this report we will follow the procedure thus inaugurated. We repeat here the plan of arrangement as set forth by the Public Health Association:

- “A”, Title page.
- “B”, Composition of the Board of Health.
- “C”, Financial Statement.
- “D”, Diseases Dangerous to Public Health.
- “E”, Infant Mortality.
- “F”, School Inspection.
- “G”, Food inspection.
- “H”, Nuisances.
- “I”, Municipal Wastes.
- “J”, Inspection of Plumbing.
- “K”, Research, Education and Publicity Work.
- “L”, Other Work Done During the Year.
- “M”, Rules Passed Since Last Report.
- “N”, Local Problems.
- “O”, Recommendations.
- “P”, Vital Statistics.



"A"

## TITLE PAGE

The title page of this report will show the following names as constituting the membership of this board:

Arthur H. Barendt, President	
Guy E. Manning, M. D.	Lawrence Arnstein
A. P. O'Brien, M. D.	Frank J. Klimm
Geo. B. Somers, M. D.	Arthur M. Sharp

"B"

## COMPOSITION OF THE BOARD OF HEALTH

No change has taken place in the composition of the personnel of the Board since the previous fiscal year (three physicians, four laymen).

Mr. Lawrence Arnstein, who had been appointed Nov. 18th, 1913, to fill the unexpired term of Mr. D. J. Murray, was re-appointed on December 23, 1915, to succeed himself, for a period of seven years.

The internal organization of the Health Department is as follows:

## EXECUTIVE HEAD—HEALTH OFFICER

This official has general executive supervision over the following bureaus and divisions: (\*See foot note.)

- Bureau of Sanitation
- Bureau of Laboratories
- Clerical Division
- Division of Accounts
- Division of Dairy and Milk Inspection
- Division of Food Inspection
- Division of Meat and Market Inspection
- Division of Plumbing Inspection
- Division of Industrial Inspection
- Division of Tenement House Inspection
- Division of School Health Inspection
- Division of Public Charities, which includes
  - City Physician
  - Social Service Workers
  - Inspector of Indigents
  - Emergency Hospitals
  - San Francisco Hospital (General)
  - Tuberculosis Hospital
  - Isolation Hospitals
  - Relief Home for Aged and Infirm.

"C"

## FINANCIAL STATEMENT

An exhaustive compilation of the expenditures of the entire department, including Central Office, Special Sanitation, Emergency Hospitals, San Francisco Hospital, Isolation Hospital and Relief Home for Aged and Infirm appears on page 492 (Table No. 1).

This table is worked out in minute detail and gives in unit cost the expense of conducting the Central Office with its many bureaus and divisions.

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\* Note.—Under the heading of Title "C" (Financial Statement) pages 491 to 507, will be found a complete segregation of the various Bureaus and Divisions showing the number of inspectors, etc., employed in each class.)

**"D" DISEASES DANGEROUS TO THE PUBLIC HEALTH****Sub. 1. Methods for Protection of the Community.****Quarantinable Diseases.**

Diphtheria—Quarantine period not less than ten days from date of notification to the Health Office, usual length of quarantine twenty-eight days. Two successive "Negative" swabs taken five days apart must be shown before quarantine can be raised and disinfection performed. All contacts of school age are excluded from school during period of quarantine.

Scarlet Fever—Four weeks from date of report of case to Health Office. All contacts excluded from school.

Poliomyelitis (Infantile Paralysis)—Largely within the discretion of the Health Officer. At least thirty days from date of report of case to Health Office; longer when deemed necessary to adequately protect the public. Contacts rigidly excluded from school.

Smallpox—Police quarantine on premises, where cases are not removed to Isolation Hospital, such quarantine maintained until complete recovery is established.

**Non-quarantinable Diseases.**

The following diseases, while coming under the heading of "reportable" cases, are not subject to house quarantine, but periods of exclusion from school for patients and "contacts" are fixed as follows:

Measles—Three weeks from date of report.

Parotitis (Mumps)—Two weeks from date of report.

Pertussis (Whooping Cough)—Two weeks after paroxysms have ceased.

Varicella (Chickenpox)—Two weeks from date of report.

Impetigo, Scabies and other like affections—These cases are excluded from attendance at school at the discretion of the Medical Inspector or School Nurse until recovery is established and danger of communication of infection is removed.

In all cases of quarantinable diseases disinfection with Formaldehyde gas follows at the expiration of the time limit for quarantine, or upon notification of recovery, except in the case of smallpox, where sulphur fumigation usually follows:

**Sub. 2. Comments on the Prevalence of Disease.**

Mumps led in the class of minor communicable diseases with a total of 1384 cases for the fiscal year, the lowest point being in July, 1915, with 3 cases reported, the highest month being March, 1916, with 365 cases.

Chickenpox came next in order with 1016 cases, July, 1915, registering lowest with 18 cases, March, 1916, being highest with 149 to its credit.

Measles cases reported during the year were very light (total 135) especially when compared with fiscal year 1914-15 when 4199 cases were reported and in 1913-14 when 1996 cases were charged up.

Whooping cough cases totalled 619 as against 346 in 1914-15 and 1436 in 1913-14.

In the major communicable diseases, Diphtheria comes first with 1247 cases, scarlet fever closely following with 1123 cases to its credit. In 1914-15 diphtheria was charged with 1484 cases while in 1913-14 cases totalled 448. For 1914-15 scarlet fever had 288 cases and in 1913-14 was tabbed for 413 cases.

Table No. 2, page 509, furnishes a full and detailed report of all communicable diseases reported during the fiscal year.

Table No. 3, page 510, indicates cases reported and deaths from principal communicable diseases during the calendar year 1915.

Table No. 4, page 511, is a compilation showing cases reported and deaths from principal communicable diseases, by yearly periods since the year 1906.

#### **Sub. 3. Bacteriological Laboratory.**

Table No. 5, page 512, prepared by the Director of Laboratories, shows examinations made during the year for diphtheria, tuberculosis, typhoid fever, rabies and venereal diseases.

#### **Sub. 4. Isolation Hospital.**

Table No. 6, page 517, presents a resume of the number of cases admitted to the Isolation Hospital for treatment for various communicable diseases.

#### **Sub. 5. Care of Cases Outside of Hospital.**

No provision whatever is made for outside treatment by this Department of any case of communicable disease. Only those who are admitted to the Isolation Hospital are given this consideration.

#### **Sub. 6. Control of Tuberculosis.**

Up to this writing the Health Department has not made any effort in a general way at least, to assume the responsibility of handling a task admittedly of large proportions. Only cases admitted to the Tuberculosis Hospital for treatment come directly under the supervision of this department.

However, in the forthcoming budget estimate for the fiscal year 1916-17 the Board of Supervisors will be asked to set aside an appropriation of sufficient size to establish at least the nucleus of a Bureau of Tuberculosis to be under the direct control of the Board of Health.

#### **Sub. 7. Distribution of Antitoxin.**

Table 8, page 518, will give figures showing extent of distribution of free diphtheria antitoxin during the fiscal year.

#### **Sub. 8. Vaccination.**

Compulsory vaccination we regret to say is not in force in this city. The State compulsory vaccination law was repealed several years ago by the Legislature and we do not agree that this was an exceedingly wise act.

Our department has a regulation in force which is applied in the case of children entering school for the first time, i. e., that they cannot attend unless vaccinated, or they must present a statement signed by parent or guardian to the effect that there is a conscientious objection to such procedure.

When smallpox may be prevalent, all "contacts" must be vaccinated before being permitted to return to school or to work, as the case may be.

#### **VACCINES—BACTERIOLOGICAL LABORATORY**

During the year there were prepared and distributed: 131 ampoules of Typhoid Vaccine, 14 ampoules autogenous vaccine and 16 ampoules Mercurialized serum.

#### **Sub. 9. Disinfection.**

Table No. 9, page 519, gives in detail a comprehensive report of fumigations performed after communicable diseases.

(The cost of this work is set forth in Table No. 1, page 499.)

#### **Sub. 10. Maritime Quarantine.**

This is not a municipal function. It is strictly under Federal and State regulation.

'E'

## INFANT MORTALITY

Table No. 10, appearing on page 520, shows statistics covering mortality of children under one year of age, during the calendar year 1915.

'F'

## SCHOOL HEALTH INSPECTION

Herewith is reproduced a statement prepared by the Chief Medical Inspector of Schools furnishing a resumé of the accomplishments for the fiscal year under this division, which is of more than passing interest:

"The fiscal year ended June, 30th, 1916, has witnessed additional progress in the health inspection of schools.

During the year special attention was given to the hygiene of school buildings and the environment of these buildings, and whenever money was available, recommendations aiming at the betterment of unhygienic conditions were acted upon promptly and satisfactorily by the Board of Education.

In the control of diphtheria in the schools, the plan of taking routine throat and nose cultures of a class in which two or more cases of clinical diphtheria occurred, has yielded excellent results, and will be continued whenever necessity requires such procedure.

The present post-card method of the notification of parents where physical defects are found in children is a faulty one. Arrangements have been made to have such notices sent from the Central Office in a sealed envelope, which method will be productive of more satisfactory results. I desire to call your special attention to the installation of a central office card system record of the remediable defects found in school children. This gives the department definite and accurate knowledge of results obtained in this important branch of school inspection.

During the year two dental chairs were installed by Mothers' clubs, one in the Garfield School, corner of Kearny and Greenwich streets, and another in the Visitation School. Altho the inauguration of these clinics by private philanthropy is a praiseworthy one, the establishing of dental clinics for the poor is a municipal problem and should be financed by and be under the control of the municipality.

Immediately following the close of the schools in June, the school nurses were put into the field to "follow up" the defect notices that had been issued to parents during the year. This is one of the most important of the varied functions of the school nurse. In the discharge of this duty, the nurse must explain to parents the nature of physical defects, and the necessity of having them corrected, in order to improve the efficiency of school progress. The school nurse thereby presents the child's side of the case, and in accomplishing results, renders an inestimable benefit to the community and social medicine. During the month of June, 1916, home visits to the number of 882 were made by the school nurses.

Negotiations are now under way with the authorities of Parochial schools aiming to include these schools within the scope of medical inspection. The consummation of such a plan would give the Health Department full knowledge and control of communicable diseases occurring in all children of school age, and would appreciably decrease the number of such diseases in the community.

## REPORT ON AN OPEN AIR SCHOOL

(March, 1916.)

We visited the Open Air School, Greenwich Street above Jones, and found twenty-five children in attendance; just the number that can be comfortably accommodated with the present facilities. Altho this school has been in operation but four weeks, the improved nutrition of the children in attendance is most obvious. One child has gained eight pounds, and another three; the average gain is recorded as two and eleven sixteenths pounds. Haemoglobin

charts show gains commensurate with improved general conditions. Herewith is submitted a specimen daily menu:

9:15 a. m. Gruel 10 ozs., bread and marmalade.  
 12 noon. Split pea soup; spaghetti with tomatoes; apple sauce and bread.  
 2:30 p. m. Pasteurized milk, 10 ozs.

The teacher in charge reports that these children are making very satisfactory school progress. The participation of the children in the setting of the table, and other duties incident to the noonday meal has the excellent educational value of teaching cleanliness, and good manners to those whose home conditions very often precludes development along these lines." See Table 11, page 523, for statistical report of this division.

**"G"**

### FOOD INSPECTION

Table No. 12, page 524, presents figures showing inspections made of the various lines of business engaged in the sale and distribution of food supplies, including milk and dairy produce.

Condemnations and seizures of products unfit for human consumption are also shown.

Special inspection of restaurants, hotel kitchens, and places of a like character was inaugurated during the year, one sanitary inspector being detailed to this particular duty.

The results accomplished are shown as a part of Table No. 12.

#### Sub. 1. Dairy Inspection.

Table No. 13, page 525, indicates the work performed under this head. The table in question deals with two sets of inspectors—city and country. The first named (two in number), are laymen, and their work is devoted largely to inspection of city dairy depots and the taking of samples for laboratory analysis. Two country inspectors, both graduate veterinarians, confine their duties particularly to the inspection of dairy ranches in outside counties that ship their product into the city. Our department pays a great deal of attention to the base of the milk supply, insisting upon the keeping of healthy cattle and the maintaining of sanitary surroundings in the production of this commodity.

Table 14, page 526, presents a statement of milk samples taken during the fiscal year for chemical and bacteriological analysis.

### LABORATORY WORK ON MILK

(Chemical (on milk.)

Table 15, page 527, shows the result of chemical analysis of milk samples seized during the fiscal year, giving history of finding and action against offenders.

### BACTERIOLOGICAL (on milk)

Table 16, page 533, is devoted to a statement showing the bacteriological index of the city's milk supply for the fiscal year as determined by the Levy Method.

### GENERAL LABORATORY WORK

Chemical Laboratory

Table No. 17, page 537, furnishes a report of general analytical work accomplished in the chemical laboratory (including milk samples).

Results of analyses of the city's drinking water will be found on pages 538 to 550 (Table No. 19).

Reference is made to Table No. 19, pages 538 to 550, for data on the results of analyses of the city's drinking water.

**Subs. 7 and 8. Meat and Provision Inspection.**

Reference to Table No. 20, page 551, furnishes complete figures showing all inspections made in this division, the extent of condemnation work and also presents statistics showing record of animals slaughtered for human consumption.

“H”

**NUISANCES**

Under this heading is submitted:

Table No. 21, page 554, Division of Sanitary Inspection, giving a general resumé of nuisances complaints investigated and abated.

Table No. 22, page 555, shows what has been accomplished in the division of Industrial Inspection, the work of which is to remedy insanitary conditions found to exist in factories, workshops and other places of employment.

Table No. 23, page 556, covers a summarized history of Tenement House Inspection during the fiscal year.

This division has been in operation barely two years, and with the magnitude of the work involved in putting it into good working shape, it is hardly to be expected that thorough statistics of tenement and lodging houses are to be had at this time.

This work is carried on by three inspectors (two males, one female).

Arrangements have been perfected with the Bureau of Building Inspection, Board of Public Works, whereby our inspectors examine all plans submitted before a building permit can be issued.

Under this scheme, each plan before final approval passes through the hands of a Building Inspector, a Fire Warden and a Tenement House Inspector.

The Bureau of Building Inspection, Board of Works, issues the permit to build—the Tenement House Inspector, Board of Health issues the permit of occupancy—this latter document not being furnished until the Building Department forwards a “Certificate of Final Completion” to the Health Officer when a last inspection before occupancy is made by the Tenement House division.

In the examination of approval of plans of proposed alterations to tenements and lodgings we are confronted with a somewhat different condition from new work. In this case the building is already standing and is to be changed and modernized. Often the plans show a building that is to be changed or converted that does not fully comply with the law, but is a vast improvement over the existing structure.

In a case of this kind it resolves itself into leaving the old building as it is, or of granting some concessions, such as inadequate yard space, percentage of lot occupied, area of courts, etc.

These cases are carefully studied by both the Building Department, Board of Works, and the Tenement House division of this department and if the improvement warrants approval with respect to health and sanitation, aesthetics and safety, slight concessions are granted.

“I”

**MUNICIPAL WASTES**

The disposal of garbage is regulated by Ordinance which provides for destruction of same by incineration. Dumping of this waste is absolutely prohibited. The city has built two garbage incinerators which up to this writing have not been put into active service, as their reduction properties are a matter of debate, and litigation is now in progress over the matter.

In the meantime the Sanitary Reduction Works which was taken over by the city through expiration of franchise, is being operated under private management, the city receiving a bonus on the gross profits.

The collection of garbage per se is not a municipal function . Individual scavengers working under permit issued by the Board of Health do the house to house collection and removal. The department of Health by powers invested in it through ordinance, regulates this feature insofar as the method of house to house collections are concerned, determines the character of receptacles to be used and adjusts all differences between the householder and the scavenger when questions arise as to service, overcharges, etc. The average charge for removal of household refuse is 35 cents per month (one removal each week).

“J”

#### INSPECTION OF PLUMBING

On page 558 appears Table No. 24, which supplies data showing the inspections covered in this division during the fiscal year and results obtained in the installation of sanitary plumbing appliances to take the place of defective and insanitary fixtures.

We also show a record of examinations held for applicants to qualify for a Master Plumber's License and the results thereof.

“K”

#### RESEARCH, EDUCATIONAL AND PUBLICITY WORK

Because of a lack of funds, the facilities for carrying out work as indicated in this caption are limited to such a degree as to be almost negligible.

We have repeatedly urged the appropriation of moneys that would enable us through the medium of literature, pamphlets, lectures, moving pictures and like methods to disseminate the doctrines of hygiene and the prevention of the spread of disease, the protection of the public health and all work of a similar character which comes naturally within the scope and province of our department, but so far we have failed signally.

Education in matters of health is what our citizens require, but with the very limited means now at our command we can do little towards bringing this about.

We look for the early dawn of a new day when this short-sighted policy will give way to a broader view of the duties and responsibilities devolving upon the municipality in so far as enlightenment of the public in health matters is concerned.

“L”

#### OTHER WORK DONE DURING THE YEAR

Exclusive of the general work accomplished as set forth in the numerous tables which go to make up this report, the Board of Health, sitting as a "Condemnation" board, has accomplished much good work through proceedings which have resulted in the demolition of many insanitary and unsightly structures, the rehabilitation of others, and the vacation of numerous places unfit for human habitation.

In Table No. 25, appearing on page 561, the figures will show precisely the results obtained in this connection. This work is the result of joint action between the city authorities and the United States Public Health Service, a large part of an appropriation of \$25,000 by the Federal Government being applied towards defraying the expense of inspection, etc.

#### REVENUE OF HEALTH DEPARTMENT

Table 26, page 563, will present a detailed statement of moneys collected by the Department for the issuance of certified documents proper to be charged for.

We also present in the same connection, table No. 26a, a classified list of permits issued for the conducting of the particular industries requiring the issuance of a certificate by the Health Officer.

**ARRESTS FOR VIOLATION OF HEALTH ORDINANCES**

Table 27, page 566, furnishes data indicating the activity of the department during the fiscal year in the enforcement through legal channels of health laws and ordinances. The number of arrests made, the number and character of the ordinance or law violated, convictions obtained and fines imposed are shown in detail.

"M"

**RULES PASSED SINCE LAST REPORT**

During the fiscal year a new health ordinance was drafted by this Department, presented to the Board of Supervisors with our recommendation for adoption and eventually became a part of our Sanitary Code, i. e.:

Ordinance No. 3726. "Defining mattresses; regulating the making, remaking, and sale thereof, prohibiting the use of insanitary and unhealthy materials therein; regulating the buying and sale of used mattresses; requiring that materials used shall be accurately described, and the percentage of materials used in each mattress stated, and prescribing the manner in which mattresses shall be labeled and materials disinfected or sterilized, and authorizing the Board of Health to adopt regulations governing sanitation of premises." (Approved May 10, 1916.)

The law is now in full force and effect and its provisions are being carried out through the medium of proper inspection.

**REGISTRATION OF PHYSICIANS AND MIDWIVES**

By act of the State Legislature it devolved upon this Department to require the registration of every practicing physician in the city, and likewise all midwives by January 1, 1916. This work was properly accomplished within the time limit set and as a result the names of over 1100 physicians and 90 midwives are now duly registered with the Health Officer who, by virtue of his office, is under the State law, the Local Registrar for this district.

A movement is soon to be launched by this Department whereby it is hoped to compel by legislative enactment the registration of all persons practicing midwifery within the State. At present no requirement is necessary to enter this field of work, other than to merely register at the local Health Office. An adequate law will give us control of this very important feature, and will help raise the standard of practitioners.

"N"

**LOCAL PROBLEMS**

At this writing there is no special local problem before us, nor has any such presented itself during the year. Our work is so varied in its scope and diversified in its character as to not permit as a general rule of giving consideration to any one feature. However, should any such contingency arise, we meet it as the exigency may present itself.

"O"

**INSTITUTIONS**

Reports of institutions under the control of the department will be found as herewith set forth:

Emergency Hospitals, Alanson Weeks, M. D., Chief Surgeon, Table 28, page 567.

San Francisco Hospital (Inc. Tuberculosis Hospital), R. G. Brodrick, M. D., Superintendent, Tables 29-30, page 570 to 579.

Isolation Hospital, Arthur A. O'Neill, M. D., Medical Superintendent, Table 6, page 516.

Relief Home Aged and Infirm, Chas. M. Wollenberg, Superintendent, Table 31, page 580.



## DIVISION OF CHARITIES

The report of the Inspector of Indigents on page 585, Table 32, gives figures showing admission of indigents to city institutions.

Table 33, page 586, covers the work done by the City Physician in the giving of gratuitous medical advice and treatment to the indigent sick; the protecting of the interests of the city in the matter of investigation of Municipal Railway accidents and cases of injuries sustained by city employees and the relation of such to the operation of the State Compensation Act. (Employers Liability Law.)

“P”

## VITAL STATISTICS

The compilation of the Birth and Death records covering the fiscal year is exhaustively covered in the various tables appearing on pages 587 to 668.

While not altogether in accord with the recommendations as offered by the American Public Health Association, they set forth in a very comprehensive form all of the data usually sought for in this connection. It is no easy matter to make a radical change in the methods of presenting these statistics, though it is quite likely that in the next annual report our statistical tables will conform very closely if not entirely to the style of tables used now by the United States Bureau of the Census (Division of Vital Statistics).

On page 588 the record of births registered is given in tabulated form.

Record of still births (excluded from foregoing table) appears on page 539.

Table 6, page 669, shows interments, cremations, shipments, etc., of human remains.

See Table 7, page 670, for record of disinterments and removals, etc.

Respectfully submitted,

ARTHUR H. BARENDT,

President, Board of Health.

Attest:

WILLIAM C. HASSLER, Health Officer.

## TABLE 1

## DIVISION OF ACCOUNTS

For the fiscal year 1915-1916 the Auditing Department shows in its statement of comparative units and costs an increase of work in the Central Office of 154,630 units. This is an increase of .088 over the work done in the previous fiscal year.

The work of the Auditing Department compared with last year is as follows:

	Requisitions	Demands
1914-1915 .....	7983	5570
1915-1916 .....	6700	4664
	<hr/>	<hr/>
Decrease .....	1283	906

The funds audited during the year have decreased \$23,268.61 from the year before, the decrease being in the funds for the equipment of the San Francisco Hospital, which has been completed.

The work of the laboratories has increased 1862 examinations, a percentage of about .04.

The clerical work which is not overhead has decreased from 44,414 units to 41,120, a difference of 3,294 units. The decrease in work is .074.

The work of the different inspection corps has increased 153,873 units, an increase of 9 per cent.

TABLE 1

FINANCIAL STATEMENT OF THE DEPARTMENT OF

	1915					
	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>Relief Home—</b>						
Salaries.....	5554.50	5538.00	5548.37	5512.84	5576.50	5600.85
Maintenance.....	12453.04	10876.08	12142.50	13634.54	12834.97	13849.77
Additional Supplies .....	500.00	500.00	500.00	500.00	500.00	500.00
Water .....	131.68	20 13	.....	74.00	91.17	107.05
Receipts .....	30.00	365.00	60.00	332.00	104.79	105.80
<b>Isolation Hospital—</b>						
Salaries.....	1496 80	1574.70	1465.00	1394.00	1379.84	1556.00
Maintenance.....	1410.07	1185.32	1149.73	1091.42	1505.69	1739.38
Additional Supplies .....	.....	.....	.....	.....	175.00	.....
Water .....	125.98	131.98	82.83	87.18	84.75	63.85
Electricity (Light) .....	5.55	4.80	3.87	7.23	10.71	12.30
<b>Special Sanitation—</b>						
Salaries.....	626.67	630.00	630.00	630.00	555.00	555.00
Expenses.....	190.84	184.21	286.76	194.73	308.08	249.44
<b>Central Office—</b>						
Salaries.....	9931.15	9981.00	9990.00	9981.50	10086.00	10148.65
Expenses.....	1438.14	1059.44	1074.48	1046.00	1123.08	1125.58
Burial of Indigent Dead.....	248.50	199.50	253.00	235.00	333.50	256.00
Special Appropriations.....	1096.70	.....	.....	566.15	.....	2.85
Rent.....	350.00	350.00	350.00	350.00	350.00	350.00
Water .....	14.06	18.21	10 14	8.23	9.66	8.20
Electricity (Light) .....	15.96	12.42	14.13	17.07	28.02	34.25
Receipts .....	87.25	91.75	90.25	121.00	93.25	109.50
<b>Emergency Hospital—</b>						
Salaries.....	5659.00	5659.00	5659.00	5659.00	5659.00	5635.00
Maintenance.....	412.32	1113.60	758.68	1161.93	1089.35	1267.85
Vacation, Reliefs .....	519.35	601.50	412.45	372.85	304.65	139.15
Electricity (Light) .....	33.48	132.45	69.63	57.72	57.93	65.35
Water .....	27.26	31.92	22 44	10.80	16.84	20.00
Rent .....	225.00	225.00	225.00	225.00	225.00	225.00
<b>San Francisco Hospital—</b>						
Salaries.....	9940.45	10221.30	10081.55	9931.75	10206.85	10394.60
Salaries T. B. Dept.....	1733.05	1723.50	1718.45	1649.70	1635.45	1637.75
Maintenance.....	8779.95	8615.37	10345.30	10560.43	18814.78	12649.35
Equipment .....	1652.70	3711.32	398.85	2709.16	1125.59	517.95
Water .....	653.58	630.43	813.96	595.68	511.73	471.47
Electricity (Light) .....	46.95	46.41	45.57	62.43	86.19	112.85
Receipts .....	53.00	79.50	10.00	48.41	34.70	94.18
<b>Gasoline and Oil for Autos.....</b>	66.01	49.84	83.85	56.07	70.46	56.07
<b>Purchase of Ambulance.....</b>	.....	3000.00	.....	.....	.....	.....
<b>Total .....</b>	65508.99	68563.68	64295.79	68883.82	74988.53	69661.24

<b>Relief Home—</b>		
Transferred from 1914-1915.....	689.90	
Expended for Maintenance 1915-1916.....	155,484.86	
<b>Total .....</b>	156,174.76	
<b>San Francisco Hospital—</b>		
Transferred from 1914-1915.....	2,520.92	
Expended for Maintenance 1915-1916.....	155,574.40	
<b>Total .....</b>	158,095.32	
Transferred to 1916-1917.....	38.40	
<b>Total .....</b>	158,056.92	

Relief Home .....

Isolation Hospital .....

Central Office .....

Emergency Hospital .....

S. F. Hospital .....

—Continued.

PUBLIC HEALTH FOR THE FISCAL YEAR 1915-1916.

1916						Total	Balance	Appropriation
Jan.	Feb.	Mar.	Apr.	May	June			
5501.35	5570.10	5599.72	5591.00	5456.00	5531.01	66580.24		
12443.84	12633.33	13615.95	12146.89	15076.49	13777.46	155484.86	222065.10	222065.10
500.00	1500.00	2000.00	500.00	500.00	500.00		8500.00	
89.75	107.05	116.12	124.03	223.96	765.64		* 1850.58	
61.00	418.65	117.02	30.00	559.80	203.33		2387.39	
1759.50	1780.85	1881.50	2175.00	2048.40	2126.00		20637.59	30.41 20668.00
1714.37	2001.08	2698.20	2373.13	2054.13	2228.30		21150.82	21150.82
				799.68	1210.69		2185.37	.93 2186.30
56.96	69.10	68.80	98.86	115.55	118.96		* 1104.80	
13.35	9.42	7.26	4.17	3.78	3.06		* 85.56	
555.00	630.00	630.00	630.00	555.00	490.00	7116.67		
198.77	159.77	250.38	248.23	251.73	358.10	2881.04	9997.71	2.29 10000.00
10198.00	10251.55	10346.15	10128.35	10284.65	10414.50		121741.50	121741.50
1495.51	1343.59	1389.11	1153.71	1437.65	801.30		14487.59	14487.59
308.50	252.50	309.50	249.00	211.00	136.50		2992.50	1007.50 4000.00
							1665.70	.45 1666.15
350.00	350.00	350.00	350.00	350.00	350.00		* 4200.00	
10.89	12.74	11.36	11.13	13.62	15.82		* 144.06	
53.22	34.47	26.07	17.04	19.44	14.82		* 286.95	
119.50	120.00	226.20	103.50	95.25	108.00		1365.45	
5647.00	5647.00	5635.00	5635.00	5816.35	5725.00		68035.35	16.65 68052.00
1557.80	872.98	1142.55	1239.72	2069.60	1525.17		14211.57	123.43 14335.00
124.70	124.65	137.95	124.65		134.00		2995.90	4.10 3000.00
73.47	66.90	73.77	44.37	44.85	37.62		* 757.53	
17.96	17.93	13.68	14.12	12.73	11.05		* 216.79	
225.00	225.00	1275.00	1275.00	1275.00	1275.00		* 6900.00	
10264.90	10971.50	11071.80	10643.00	10885.75	11206.80	125820.25		
1849.30	1851.50	1851.95	2201.00	2126.55	1912.75		21890.95	19.05 21910.00
15129.26	13767.07	14932.79	13223.99	13025.53	15730.59	155574.40	281394.65	281394.65
12.00	122.25	536.55	89.00		53.39		10928.76	2969.70 13898.46
473.00	467.17	454.32	544.04	533.13	553.64		* 6702.15	
117.90	97.65	79.26	49.17	45.54	46.95		* 836.91	
15.93	9.15	20.20	383.23		24.00		772.30	
80.92	75.83	65.42	57.41	57.41	82.01		* 801.30	
							3000.00	3000.00
71018.65	71560.78	76933.58	71457.74	75948.57	77471.46		856292.83	4174.51 832055.57

Stationery Printing Books Postage Total

155.10	181.27	35.84	112.00	484.21
81.67	24.54	12.83	26.00	145.04
432.75	1,370.18	552.42	912.00	3,267.35
81.60	276.18	173.18	45.00	575.96
334.28	953.15	278.89	109.50	1,675.82
				6,148.38
				862,441.21
			Less receipts	4,525.14
			Total cost	857,916.07

\* Not paid out of Department of Public Health Appropriations.

TABLE 1—Continued.  
 COMPARATIVE STATEMENT OF UNITS OF WORK AND COSTS OF EACH UNIT WITH PREVIOUS YEAR.

	1914-15 Amount Expended	1915-16 Amount Expended	Increase	1914-15 Cost per Dollar	1915-16 Cost per Dollar	Decrease
			\$			
Auditing Department .....	\$879,561.44	\$856,212.83	\$23,268.61*	.0048	.0051	.0003†
	Units of Work					
Bureau of Vital Statistics—Certificate recorded or permit issued .....	30,861	29,756	1,105*	.166	.185	.019†
Bureau of Laboratories—Examination or analysis.....	39,863	41,725	1,862	.393	.406	.013†
Sanitary Inspection—Inspections .....	8,550	16,002	7,452	1.477	.781	.696
Disinfection—Rooms disinfected .....	4,665	5,222	557	1.242	1.173	.069
Plumbing Inspection—Inspections .....	22,762	24,028	1,266	.67	.636	.034
Market Inspection—Markets and Cattle .....	1,113,353	1,220,096	106,743	.03	.028	.002
Food Inspection—Inspections .....	4,637	5,100	463	.689	.697	.008†
Dairy Inspections—Dairies, Depots and Cows.....	135,458	167,840	32,382	.075	.058	.017
Milk Inspection—Samples .....	3,614	2,900	654*	.389	.562	173†
Industrial Inspection—Inspections .....	8,810	8,580	230*	.658	.578	.08
School Medical Inspection—Examinations, Treatments and Dressings.....	229,543	233,802	4,259	.119	.113	.006
City Physician—Visits and Treatments.....	4,944	4,594	350*	.609	.70	.091†
Inspector of Indigents—Investigations.....	8,216	10,754	2,538	.225	.201	.024
Tenement House Inspection—Inspections.....	4,491	3,938	553*	.85	1.225	.375†
Total .....	1,619,767	1,774,397	154,630			

\* Decrease.

† Increase.

TABLE 1—Continued.

STATEMENT OF UNIT COSTS CENTRAL OFFICE, DEPARTMENT OF  
PUBLIC HEALTH, 1915-1916.  
EXECUTIVE OFFICE.

	Funds, Dept. of Public Health	Other Funds
Salaries—		
Health Officer, Chief Clerk, Filing Clerk, Stenographer and two-thirds salary of Telephone Operator..	\$ 9,122.07	
Expenses—		
General and overhead expense of department.....	1,575.91	
Depreciation of Equipment—		
Value July 1, 1915.....	\$3,712.60	
Purchased during year.....	470.46	
Purchased with other than department funds .....	50.10	
Total .....	\$4,233.16	
Less 10% for depreciation.....	423.32	
	<hr/>	11,121.30
Deduct \$250 expense Baby Hygiene Week. Not a proper charge.....	250.00	
	<hr/>	10,871.30
Rent, 1085 Mission Street.....		4,200.00
Light .....		286.95
Water .....		144.06
Stationery and Printing.....		859.22
Postage .....		780.10
Salaries, two police officers detailed to Department of Public Health .....		2,928.00
Wages, Janitor furnished by Board of Public Works.....		1,080.00
Total .....	<hr/>	<hr/> \$10,871.30 \$10,278.33

This total cost of executive office is to be divided among the different bureaus pro rata to the number of months worked during the fiscal year 1915-1916.

Total number of working months Central Office, 920.5.

Average pro rata of executive cost per working month, \$11.81.

Average pro rata of rent, light, water, stationery, postage referred to in the report as other costs per working month, \$11.17.

TABLE 1—Continued

	D. of P. H. Funds	Other Funds	Total	Units of Work	Total	Average
<b>AUDITING DEPARTMENT—</b>						
Salaries, Auditor and Clerk.....	\$3,620.00					
Expenses .....	15.37					
Pro rata of executive cost 24 months' work.....	283.45					
Pro rata of other costs.....		268.00				
Printing .....		179.18				
Postage .....		30.35	4,396.35			
Total Amount audited.....			856,292.83			.0051
Cost of expense per dollar.....						
<b>BUREAU OF VITAL STATISTICS—</b>						
Salaries, three clerks.....	4,200.00					
Expenses .....	97.63					
Pro rata of executive cost 36 months' work.....	425.15					
Pro rata of other costs.....		402.00				
Printing .....		373.31				
Postage .....		13.15	5,511.24			
Burial, Cremation, Disinterment and Miscellaneous Permits issued .....				12,558		
Abstracts of Birth and Death Records issued.....				1,501		
Births and Deaths recorded.....				15,697	29,756	
Cost of each unit.....						.185

BUREAU OF LABORATORIES—

Salaries, director, bacteriologist, two chemists and four assistants.....	11,885.85	525.00	.....	.....	.....
Expenses .....	1,826.98	55.27	.....	.....	.....
Pro rata of executive cost 98 months' work.....	1,157.40	.....	.....	.....	.....
Pro rata of other costs.....	.....	1,094.60	.....	.....	.....
Printing .....	.....	105.38	.....	.....	.....
Postage .....	.....	44.45	.....	.....	.....
Depreciation of Equipment:					
Value July 1, 1915.....	\$2,436.12				
Purchased during year.....	219.15				
Total .....	<u>\$2,655.27</u>				
Less 10% for depreciation.....	265.53	16,960.46	.....	.....	.....
Bacteriological Examinations .....	.....	.....	37,622	.....	.....
Chemical Analyses .....	.....	.....	3,926	.....	.....
Pasteur Treatments .....	.....	.....	177	.....	.....
Cost of each unit.....	.....	.....	41,725	.....	.406

TABLE 1—Continued

## BUREAU OF SANITATION—GENERAL AND OVERHEAD COSTS.

	Funds, Dept. of Public Health	Other Funds
Salaries—		
Chief Sanitary Inspector, Clerk Bureau of Sanitation, Two Stenographers and one-third salary of telephone operator .....	\$8,200.08	
Expenses—		
Value of Auto Equipment.....	\$426.00	
Depreciation of Equipment.....	382.63	70.62
Printing .....		559.77
Postage .....		42.70
Pro rata of Executive Costs, 58 months' work.....	685.00	
Pro rata of Other Costs.....		647.40
Total .....	\$9,267.71	\$1,320.49
The total cost of the Bureau of Sanitation is to be divided among the different bureaus pro rata to the number of months worked during the fiscal year 1915-1916.		
Total number of working months.....	678.5	
Average pro rata of bureau cost.....	13.66	
Average pro rata of bureau cost from other funds..	1.95	



TABLE No. 1—Continued

	D. of P. H. Funds	Other Funds	Total	Units of Work	Total Average
<b>SANITARY INSPECTION—</b>					
Salaries of five inspectors.....	\$ 7,950.00				
Transportation and expenses.....	436.55				
Antitoxin and Vaccine.....	1,969.26	49.60			
Pro rata of executive cost 54 months' work.....	637.75				
Pro rata of other costs.....		603.00			
Printing.....		10.15			
Pro rata of Bureau of Sanitation costs.....	737.60	105.00	12,498.91	9,526	
Number of inspections made on complaint.....					
Premises placed in quarantine and infectious diseases investigated.....					
Cost of each unit.....				6,476	16,002
					.781
<b>DISINFECTIO—</b>					
Salaries of two disinfectors.....	2,941.65				
Transportation and expenses.....	1,615.79	268.66			
Value of automobile equipment.....	\$390.00				
Depreciation of equipment.....	360.00				
Pro rata of executive cost 24 months' work.....	283.45				
Pro rata of other costs.....		268.00			
Pro rata of Bureau of Sanitation costs.....	327.80	46.50			
Printing.....		13.45	6,125.30		
Number of rooms disinfected.....					5,222
Cost per room.....					1.173

TABLE 1—Continued.

	D. of P. II. Funds	Other Funds	Total	Units of Work	Total Average
<b>PLUMBING INSPECTION—</b>					
Salaries of chief and five inspectors.....	10,050.00				
Transportation and expenses.....	1,522.94	376.47			
Value of automobile equipment—Old.....	\$ 730.00				
New.....	350.00				
	<hr/>				
	\$1,080.00				
Depreciation of equipment.....	720.00				
Pro rata of executive cost 65 months' work.....	767.65				
Pro rata of other costs.....	726.00				
Pro rata of Bureau of Sanitation costs.....	887.80	126.50			
Printing.....		97.64	15,275.00		
Number of plans examined.....				1,579	
Inspection on construction and sewers.....				17,750	
Inspection of nuisances.....				4,699	24,028
Cost of each unit.....					.636
<b>MARKET INSPECTION—</b>					
Salaries of three veterinarians and fourteen inspectors.....	25,935.00				
Transportation and expenses.....	227.69				
Pro rata of executive costs 204.5 months' work.....	2,415.20				
Pro rata of other costs.....	2,284.10				
Pro rata of Bureau of Sanitation.....	398.50				
Printing.....	9.50		34,063.30		
Places inspected.....				23,356	
Cattle, sheep, hogs, goats slaughtered and inspected.....				826,149	
Poultry and game, dozens.....				328,916	
Fish, boxes of 200 lbs. ....				41,675	1,229,096
Cost of each unit.....					.028

## FOOD INSPECTION—

Salaries of two inspectors.....	2,333.30	.....	.....	.....
Transportation and expenses.....	258.82	69.02	.....	.....
Value of automobile equipment.....	\$352.00	.....	.....	.....
Depreciation of equipment.....	180.00	.....	.....	.....
Pro rata of executive cost 18.5 months' work.....	218.50	.....	.....	.....
Pro rata of other costs.....	206.15	.....	.....	.....
Pro rata of Bureau of Sanitation.....	252.70	36.00	3,554.49	.....
Number of inspections made.....	.....	.....	4,433	.....
Samples collected for analyses.....	.....	.....	667	5,100
Cost of each inspection.....	.....	.....	.....	.697

## DAIRY INSPECTION—

Salaries of two veterinarians and two inspectors.....	5,766.53	.....	.....	.....
Transportation and expenses.....	1,916.25	87.12	.....	.....
Value of Automobile equipment.....	\$240.00	.....	.....	.....
Depreciation of equipment.....	360.00	.....	.....	.....
Pro rata of executive costs 41.5 months' work.....	490.15	.....	.....	.....
Pro rata of other costs.....	566.80	463.00	.....	.....
Pro rata of Bureau of Sanitation.....	.....	80.74	.....	.....
Printing.....	.....	19.00	9,749.59	.....
*Dairies inspected in San Francisco.....	.....	.....	139	.....
*Dairies inspected in other counties.....	.....	.....	1,257	.....
*Dairy depots.....	.....	.....	2,186	.....
*Miscellaneous milk venders.....	.....	.....	1,439	.....
Cows inspected.....	.....	.....	162,792	.....
Sample of water for analyses.....	.....	.....	27	167,840
Cost of each unit.....	.....	.....	.....	.058

\* Includes cans and appliances.

TABLE 1—Continued.

	D. of P. H. Funds	Other Funds	Total	Units of Work	Total Average
<b>MILK INSPECTION—</b>					
Salaries of food and dairy inspectors.....	1,233.52				
Expenses .....	30.32				
Pro rata of executive costs 10 months' work.....	118.10				
Pro rata of other costs.....		111.50			
Pro rata of Bureau of Sanitation.....	136.60	19.25			
Printing .....		13.65	1,662.94		
Samples of milk collected from all sources.....					2,960
Cost of each sample taken.....					.562
<b>INDUSTRIAL INSPECTION—</b>					
Salaries of three inspectors.....	3,641.65				
Transportation and expenses.....	208.46				
Pro rata of executive costs 29 months' work.....	342.50				
Pro rata of other costs.....		323.58			
Pro rata Bureau of Sanitation.....	396.10	56.30	4,968.59		
Number of inspections.....					8,580
Cost of each inspection.....					.578
<b>SCHOOL MEDICAL INSPECTION—</b>					
Salaries of three medical inspectors and fourteen nurses.....	17,475.65				
Expenses and transportation.....	1,032.03				
Pro rata of executive costs 203.5 months' work.....	2,403.35				
Pro rata of other costs.....		2,273.00			
Pro rata Bureau of Sanitation.....	2,779.70	396.45			
Printing .....		98.90	26,459.08		
Examinations by medical inspectors.....				9,555	
Examinations by nurses, including dressings and treatments.....				213,139	
Home visits .....				11,108	
Cost per unit.....					233,802
					.113

CITY PHYSICIAN—

Salary .....	2,400.00	.....	.....	.....
Expenses and transportation.....	535.55	.....	.....	.....
Pro rata of executive costs 12 months' work.....	141.70	.....	.....	.....
Pro rata of other costs.....	134.00	.....	.....	.....
Postage .....	1.25	.....	3,212.50	.....
Visits and treatments.....	.....	.....	1,550	.....
Visits and treatments prison and jail.....	.....	.....	2,826	.....
Municipal Railway accidents, visits to injured.....	.....	.....	103	.....
Liability Act, visits to injured.....	.....	.....	115	4,594
Cost per unit.....	.....	.....	.....	.70

INSPECTOR OF INDIGENTS—

Salaries two inspectors.....	1,350.51	.....	.....	.....
Expenses and transportation.....	275.00	.....	.....	.....
Value of automobile equipment.....	.....	37.61	.....	.....
Depreciation of equipment.....	180.00	.....	.....	.....
Pro rata of executive costs 14 months' work.....	165.35	.....	.....	.....
Pro rata of other costs.....	.....	156.00	2,164.47	.....
Total number investigations and calls.....	.....	.....	.....	107.54
Cost per unit.....	.....	.....	.....	.201

TENEMENT HOUSE INSPECTION—

Salaries of three inspectors.....	3,541.70	.....	.....	.....
Expenses and transportation.....	167.24	.....	.....	.....
Pro rata of executive costs 24.5 months' work.....	336.60	.....	.....	.....
Pro rata of other costs.....	318.00	.....	.....	.....
Pro rata of Bureau of Sanitation.....	389.30	.....	.....	.....
Printing .....	.....	.....	.....	.....
Total number of inspections.....	.....	.....	4,824.29	.....
Cost per inspection.....	.....	.....	.....	3,938
.....	.....	.....	.....	1,225

TABLE 1—Continued.  
 CLASSIFICATION OF EXPENDITURES FOR THE FISCAL YEAR 1915-1916 ON THE BASIS SUGGESTED BY THE BUREAU  
 OF THE CENSUS, DEPARTMENT OF COMMERCE AND LABOR.

Conservation of Health.....		\$ 27,162.10	\$254,559.39
General Administration.....			
Salaries of Executive Officers.....		\$ 8,400.00	
Salaries of Accountant, Clerks, Stenographers and Telephone Operators		9,122.11	
Office supplies, postage, printing, books, stationery, photography, jan-			
itorials, telephone and telegraph.....		4,083.75	
Rent.....		4,200.00	
Water, light, heat.....		524.19	
Automobiles for general administration.....		807.13	
Other general expenses.....		24.92	
Vital Statistics.....			7,797.67
Notification and registration of births, and registration of sickness,			
deaths, recovery from sickness, and issuing permits for burial and			
disinterment and making abstracts of records.....		6,897.67	
Tabulation analysis interpretation and publication of statistics.....		900.00	
Treatment and Prevention of Communicable Diseases.....			183,902.70
Tuberculosis Hospital, 78,066 hospital days at 1.03.....			
Laboratory and Research Work.....		80,464.23	
Disinfection.....		\$ 1,038.36	
Inspection, condemnation and destruction of cows, beef animals		934.16	
and meat affected with tuberculosis.....			
Hospital for Communicable Diseases other than Tuberculosis.....		23,291.14	
Isolation Hospital—			
Diphtheria.....	409 cases		
Diphtheria carriers.....	119 cases		
Scarlet fever.....	148 cases		
Measles.....	12 cases		
Erysipelas.....	57 cases		
Gonorrhoeal vaginitis.....	16 cases		
Gonorrhoeal ophthalmia.....	5 cases		
Other communicable diseases.....	41 cases		
Total.....	807 cases		
		43,298.81	

Other treatment of communicable diseases.....		21,745.27
Laboratory work in diagnosis.....	11,339.86	
Physicians and inspectors.....	10,405.41	
Salaries .....	\$7,950.00	
Transportation .....	436.55	
Vaccine and antitoxin.....	2,018.86	
Other prevention of communicable diseases.....		13,130.73
Disinfection .....	3,891.94	
Extermination of rats.....	9,238.79	
Conservation of Child Life.....		18,986.73
Medical work for school children.....		18,507.68
Inspection of school children by physicians.....	4,200.00	
Work of nurses for school children.....	14,307.68	
Conservation of life of infants.....		313.00
Supervision of maternity hospitals and lying-in institutions.....	17.55	
Publicity and educational.....	295.45	
Other conservation of child life.....		166.05
Regulation and supervision of the boarding out of children.....	162.90	
Supervision of orphanages and day nurseries.....	3.15	
Food Inspection .....		16,710.19
Milk and dairy control.....		10,652.48
Inspection and tests of herds and inspection of stables, milk sta- tions, ice cream manufacturers and collection of samples of dairy products .....	9,033.74	
Laboratory and research including tests of dairy products.....	1,618.74	
Other food regulation and control.....		6,057.71
Inspection of all places for sale and manufacture of food, including bakeries, restaurants and hotels and the collection of samples of food drinks and drugs.....	5,761.57	
Laboratory and research including tests of all foods, drinks and drugs other than dairy products.....	296.14	

TABLE 1—Continued.  
 CLASSIFICATION OF EXPENDITURES FOR THE FISCAL YEAR 1915-1916 ON THE BASIS SUGGESTED BY THE BUREAU  
 OF THE CENSUS, DEPARTMENT OF COMMERCE AND LABOR—Continued

Sanitation and Promotion of Cleanliness.....		3,140.33
General sanitary regulation and inspection.....	1,159.97	
Inspection of scavenger wagons.....	198.90	
Inspection of slaughter houses.....	946.22	
Inspection of bathing establishments.....	14.85	
Inspection of laundries.....		422.10
Inspection of moving picture theaters.....		300.60
General and unspecified inspection.....	1,257.66	
Expenses for General Hospitals and Care of Sick and Injured.....		330,328.02
Emergency Hospitals, five (number of cases handled 34,393).....	93,693.10	
General Hospital (137,035 hospital days at 1.693).....	232,036.25	
Medical attention for indigent, prisons and jails, municipal railway accidents and for persons injured under employers' liability act.....	2,935.55	
Social service investigation of applicants for admission to public institutions and for medical and surgical attention.....	1,663.12	
Miscellaneous Protection of Person and Property.....		15,692.65
Dwelling and tenement house inspection.....	3,708.94	
Factory, store and workshop inspection.....	232.65	
Examination of plumbers and plumbing inspection.....	11,751.06	
Other Activities.....		235,892.39
Care of aged and infirm.....	224,399.89	
Lodging house for unemployed.....	8,500.00	
Burial of indigent dead.....	2,992.50	
Outlays.....		18,303.29
Purchase of automobile for inspection purposes.....	1,665.70	
Furniture and office equipment.....	479.31	
Laboratory equipment.....	219.15	
Additional equipment for general hospital.....	10,928.76	
Additional equipment for communicable disease hospital.....	2,010.37	
Purchase of ambulance.....	3,000.00	



TABLE 1—Continued.

## SUMMARY.

		Percentage of Ex- penditure
Conservation of Health.....	\$254,559.39	.2968
General Administration .....	\$ 27,162.10	.0317
Vital Statistics .....	7,797.67	.0091
Treatment and Prevention of Com- municable Diseases .....	183,902.70	.2143
Conservation of Child Life.....	18,986.73	.0221
Food Inspection .....	16,710.19	.0194
Sanitation or Promotion of Cleanliness....	3,140.33	.0036
General Hospitals and Care of Sick and Injured .....	325,729.35	.3796
Protection of Person and Property.....	15,692.65	.0182
Other Activities .....	240,491.06	.2803
Outlays .....	18,303.29	.0213
Total .....	<u>\$857,916.07</u>	

## BOARD OF HEALTH

TABLE 1—Continued.  
 AUTOMOBILE COSTS AND MILEAGE FISCAL YEAR 1915-1916.

	Miles	Cost	Cost per mile	Cost*	Cost per mile*
Total Mileage .....	91,481				
Total Cost .....	4,148.22				
Average Cost per Mile.....					.0453
Total Cost including depreciation.....				6,308.22	
Average Cost per Mile.....					.0639
E 248 Dairy .....	10,978	432.29	.0393	612.29	.0558
E 249 Dairy .....	11,727	573.41	.0488	753.41	.0642
E 250 Plumbing .....	6,830	415.11	.0607	595.11	.0871
E 251 Plumbing .....	6,467	356.29	.0550	536.29	.0829
E 252 Disinfection .....	6,401	368.74	.0576	548.74	.0857
E 253 Plumbing .....	7,732	385.76	.0498	565.76	.0732
E 254 Disinfection .....	4,919	365.90	.0743	545.90	.111
E 256 Plumbing .....	9,816	312.00	.0317	492.00	.0503
E 257 Inspection of indigents.....	6,498	165.42	.0254	345.42	.0531
E 258 Food and milk.....	6,687	230.12	.0344	410.12	.0613
E 259 Plumbing .....	6,276	206.55	.0329	386.55	.0616
E 260 Sanitary inspection .....	7,150	336.63	.0470	516.63	.0723
	91,481	4,148.22		6,308.22	

\* Including depreciation.

TABLE 2.  
ANNUAL REPORT COMMUNICABLE DISEASES.

	Total	1915							1916						
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		
		3	2	1	1	1	1	1	1	1	1	1	1	1	1
1															
4	1	1	1	1	1	1	1	1	1	1	1	1	1		
1016	18	27	36	98	146	84	118	148	149	76	83	33	33		
1247	87	57	34	39	101	116	129	120	174	128	155	107	107		
1															
111	5	3	3	6	6	8	20	20	2	11	15	12	12		
74	1	4	7	8	2	2	3	6	13	2	2	26	26		
5			1				1	1	1				2		
4					1	1	2	1							
2					1	1	1	1							
19	4	4	1	5	2	2	2	2			4	4	2		
135	10	8	7	8	2	7	21	11	11	10	23	17	17		
1384	3	14	17	21	57	66	91	290	365	144	237	79	79		
1										1					
11	16	7	33	35	48	57	65	35	56	24	21	10	26		
423	1		1		1	2							1		
6															
1															
8															
1															
1															
1123	16	24	33	51	66	80	139	157	212	149	116	80	80		
8	1				2	1	3	1			2	1	1		
3															
1															
38															
3															
1451	127	140	132	118	109	124	151	122	79	149	99	101	101		
118	8	13	14	10	10	5	12	9	7	9	12	9	9		
87	9	13	15	15	5	4	5	5	4	4	2	6	6		
1															
2															
619	12	16	40	51	25	26	73	95	116	64	75	26	26		
42							2	5	2						
589	72	13	9	5	33	32	71	41	177	77	82	27	27		
8542	387	345	387	478	633	648	915	1072	1373	851	885	568	568		

## BOARD OF HEALTH

TABLE 3

## CASES AND DEATHS OF DISEASES DANGEROUS TO THE PUBLIC HEALTH, BY MONTHS—CALENDAR YEAR 1915.

This table includes *All* cases (with their deaths) irrespective of whether cases were transported into the city from elsewhere, or were contracted outside of the city.

Months 1915	Diphtheria		Scarlet Fever		Typhoid Fever		Measles		Whooping Cough		Smallpox		Ophthalmia Neonatorum		Polymyelitis		Tuberculosis							
	Cases	Deaths	Cases	Deaths	Cases†	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases*	Deaths	Cases*	Deaths	Cases*	Deaths	Other Forms	
January.....	162	15	30	0	7	3	581	4	36	6	0	0	0	0	0	1	0	89	153	0	0	0	0	7
February.....	156	17	26	0	17	5	569	8	20	0	0	0	0	0	0	3	0	117	64	0	0	0	0	5
March.....	185	11	42	2	19	3	331	5	44	3	0	0	0	0	0	0	0	182	75	0	0	0	0	4
April.....	129	8	20	1	12	3	138	2	50	1	2	0	0	0	0	0	0	142	71	0	0	0	0	2
May.....	175	19	21	0	17	4	39	0	42	0	0	0	0	0	0	0	0	93	74	0	0	0	0	4
June.....	149	15	17	0	12	5	23	0	0	3	1	0	0	0	0	0	0	155	51	0	0	0	0	4
July.....	87	7	16	0	17	3	10	0	12	1	1	0	0	0	0	0	0	127	55	0	0	0	0	4
August.....	67	3	24	0	26	4	8	0	16	0	0	0	0	0	0	0	0	140	52	0	0	0	0	3
September.....	34	3	33	1	29	5	7	0	0	0	0	0	0	0	0	0	0	132	57	0	0	0	0	3
October.....	39	3	51	0	25	3	8	0	51	2	0	0	0	0	0	0	0	118	66	0	0	0	0	2
November.....	101	6	66	0	15	1	2	0	25	3	2	0	0	0	0	0	0	109	65	0	0	0	0	3
December.....	116	6	80	0	9	4	7	0	26	2	0	0	0	0	2	0	0	124	74	0	0	0	0	4
Totals.....	1390	113	426	4	205	43	1723	19	374	21	7	0	0	0	9	0	0	1592	793	0	0	0	0	47

\* Cases not reported.

† Includes 172 cases not local in origin.

TABLE 4.  
 CASES AND DEATHS FROM CERTAIN DISEASES. EACH YEAR FOR TEN YEARS.

This table includes *All* cases (with their deaths) irrespective of whether cases were transported into the city from elsewhere, or were contracted outside of the city.

Years (Calendar)	Diphtheria		Scarlet Fever		Typhoid Fever		Measles		Whooping Cough		Smallpox		Ophthalmia Neonatorum		Poliomyelitis		Tuberculosis												
	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases*	Deaths	Cases	Deaths	Cases	Deaths	Cases*	Deaths	Cases*	Deaths	Cases*	Deaths	Cases*	Deaths	Cases*	Deaths	Cases*
† 1906.....	295	41	229	9	1279	228	1231	42	*	26	40	1	*	0	0	2	595	578	64	35	578	578	64	35	578	578	64	35	
1907.....	664	90	246	5	363	107	910	24	*	24	298	4	*	0	0	1	765	729	38	54	729	729	38	54	729	729	38	54	
1908.....	589	55	499	24	266	68	2115	25	*	48	134	1	*	0	0	0	1355	689	76	37	689	689	76	37	689	689	76	37	
1909.....	521	37	504	10	345	64	1038	19	*	32	40	0	*	0	0	1	1510	706	57	45	706	706	57	45	706	706	57	45	
1910.....	316	26	599	17	285	69	1212	15	433	15	15	0	*	0	0	2	1279	702	62	45	702	702	62	45	702	702	62	45	
1911.....	326	28	192	1	336	58	451	47	309	26	106	1	*	0	0	20	1238	693	78	57	693	693	78	57	693	693	78	57	
1912.....	379	27	305	16	316	73	410	5	487	16	38	0	*	0	0	1	1323	698	95	80	698	698	95	80	698	698	95	80	
1913.....	796	85	414	4	224	58	4114	46	1297	60	52	0	*	0	0	5	1418	793	74	57	793	793	74	57	793	793	74	57	
1914.....	1350	113	426	3	205	43	1723	19	374	21	7	0	*	0	0	18	1592	793	179	57	793	793	179	57	793	793	179	57	
1915.....																9													

\* Cases not reported.

† Records destroyed.

TABLE 5  
BACTERIOLOGICAL EXAMINATIONS.

## DIPHTHERIA

	Primary				Secondary				Contact				School				Total	
	Positive	Negative	No Growth	Doubtful	Positive	Negative	No Growth	Doubtful	Positive	Negative	No Growth	Doubtful	Positive	Negative	No Growth	Doubtful		
<b>1915</b>																		
July.....	89	232	1	1	288	713	8	2	27	198	3		109	2101			3771	
August.....	42	199			129	367			2	90			26	145			1001	
September.....	37	381	1	1	38	179	3	2	4	50			12	29			734	
October.....	29	322	2		54	192	5	2	4	67			1	3			681	
November.....	49	331	5	1	213	326	8	2	12	186	1		45	1457			2638	
December.....	58	368	3	1	346	501	6	2	24	331			13	462			2116	
<b>1916</b>																		
January.....	77	419	3	3	428	422	7	3	45	384	4		25	284			2105	
February.....	64	440	9	4	552	637	18	2	46	406	5		7	288			2180	
March.....	138	748	7	10	1014	935	40	3	82	657	4		85	1029			4552	
April.....	85	632	4	2	915	1048	26	10	111	595	5		13	469	1		3320	
May.....	88	748	4	4	490	943	17	1	42	414	2		1	148			2982	
June.....	63	621	2	11	526	676	7	1	23	437	1		7	282			2657	
<b>Total.....</b>	<b>819</b>	<b>5441</b>	<b>41</b>	<b>37</b>	<b>4993</b>	<b>6939</b>	<b>145</b>	<b>24</b>	<b>425</b>	<b>3845</b>	<b>25</b>	<b>1</b>	<b>2</b>	<b>344</b>	<b>6637</b>	<b>2</b>	<b>7</b>	<b>29787</b>

TABLE 5—Continued.

## BACTERIOLOGICAL EXAMINATIONS.

	Tuberculosis		Typhoid				Rabies			
	Positive	Negative	Widals		Feces		Positive	Negative	Sus- picious	
			Positive	Negative	Positive	Negative				
1915.										
July.....	106	99	3	35	3	5		2		
August.....	110	166	6	35	12	4		3		1
September.....	93	157	6	33	4	7		1		
October.....	56	150	4	34	2	10		3		
November.....	83	152	3	24	1	18		1		
December.....	90	173	2	19	2	1		1		
1916										
January.....	55	167	2	23		24		2		
February.....	76	217	1	31		20		1		
March.....	116	220	7	17		17		1		
April.....	87	185	8	22	3	10				
May.....	99	205	6	24	1	8		3		1
June.....	72	119	4	27	2	22		†		2
	1043	2010	52	329	29	163	20	1	20	2

† Human.

TABLE 5—Continued.  
 BACTERIOLOGICAL EXAMINATIONS—VENEREAL DISEASES.

	Wasserman Tests						Gonorrheal			Gonorrhoea				
	Blood		Spinal Fluid		Comp. Fix. Test		Positive	Negative	Doubtful	Positive	Negative	Doubtful	Suspicious	
	Positive	Negative	Positive	Negative	Positive	Negative								Doubtful
1915.														
July.....	5	65	1	5	1	1					3	49	2	1
August.....	10	62	6	8	1						2	63	2	
September.....	14	72	3	9	1	1	1	1			5	53	8	
October.....	16	80	1	7	2	4	2	2	2		8	35	3	
November.....	9	94	1	4		4			1		6	40	2	
December.....	13	92	3	5	2	5	2	2			2	54		
1916														
January.....	18	61		11		7	7	3			7	86	10	
February.....	13	72	4	7		3	3	3			9	89	4	
March.....	17	103	1	15	2	2	2	2			5	81	2	
April.....	7	80	1	11	1	1	1	2			4	68	2	
May.....	16	132	4	11	1	3	7	7	1	1	6	68		1
June.....	14	65		8	1	4	4	3			13	135	9	
	152	978	25	94	4	39	22	22	1		70	721	44	2



TABLE 5—Continued.  
BACTERIOLOGICAL EXAMINATIONS.

	RABIES.			*Patients Treated	Pasteur Treatments Administrd.
1915—	Positive	Negative	Suspicious		
July .....		2			
August .....		3	1	2	45
September .....		1			5
October .....		3			
November .....		1			
December .....	1	1		1	39
1916—					
January .....		2		1	11
February .....		1			
March .....		1		1	15
April .....				1	21
May .....		3	1		17
June .....		2		1	24
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
	1	20	2	7	177

\* Total treated to date 239.



TABLE No. 6—Continued.

	Patients Admitted	Patients Discharged	Died	Cost per Patient Per Day	Hospital Days
1915.					
July .....	55	47	3	\$1.435	1,659
August .....	32	37	0	2.18	1,216
September .....	22	15	1	3.26	833
October .....	32	49	3	2.58	963
November .....	33	25	3	2.395	1,204
December .....	64	48	3	1.36	1,691
1916.					
January .....	60	53	3	1.78	1,908
February .....	83	56	3	1.82	1,860
March .....	142	91	12	1.80	2,543
April .....	98	105	10	1.42	3,045
May .....	96	101	12	1.41	2,651
June .....	90	84	6	1.87	2,345
<u>Totals .....</u>	<u>807</u>	<u>711</u>	<u>59</u>	*	<u>21,928</u>

\*Average cost per patient per day, \$1.90.

TABLE No. 8.

## FREE DIPHTHERITIC ANTITOXIN DISPENSED FISCAL YEAR 1915-1916.

Month	10,000 Units	7,500 Units	5,000 Units	4,000 Units	3,000 Units	2,000 Units	1,000 Units
1915.							
July .....	50		75			10	100
August .....	5		15				30
September .....	10		20				45
October .....	5						20
November .....	48		30				65
December .....	39	5	50				55
1916.							
January .....	60		40				88
February .....	10		5				2
March .....	30	5	90				160
April .....	21		23			25	30
May .....	55		35				75
June .....	15		15				10
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
	348	10	398			35	680

Total units dispensed 4,703,000.



TABLE 10.

## MORTALITY OF CHILDREN UNDER AGE OF 1 YEAR CLASSIFIED BY AGE PERIODS FOR CALENDAR YEAR.

Calendar Year 1915.	Ages												
	Total Deaths Under 1 Year	Under 1 Day	1-2 Days	2-3 Days	3 Days to 1 Week	1-2 Weeks	2-3 Weeks	3 Weeks to 1 Month	1-2 Months	2-3 Months	3-6 Months	6-9 Months	9-12 Months
January.....	54	8	3	1	7	4	4	1	6	2	2	4	12
February.....	46	9	4	1	3	5	2	2	5	3	3	3	1
March.....	54	12	1	2	5	4	5	5	5	4	5	7	4
April.....	42	12	1	1	4	3	2	3	3	3	7	2	2
May.....	44	14	4	1	4	2	1	2	5	1	4	1	6
June.....	37	11	1	1	2	2	2	2	2	2	7	4	3
July.....	41	13	3	1	2	1	2	2	2	1	4	5	6
August.....	35	9	4	1	2	2	1	3	3	2	3	4	4
September.....	43	13	3	1	3	3	2	4	3	3	2	3	2
October.....	48	10	2	1	1	3	3	4	3	8	10	6	3
November.....	42	13	2	2	1	1	3	1	3	1	7	4	2
December.....	47	16	7	1	2	3	3	4	3	2	5	4	2
Totals.....	533	140	33	11	31	33	28	21	47	32	65	47	45
MALE.....	314	74	21	5	19	21	16	13	32	25	38	29	21
FEMALE.....	219	66	12	6	12	12	12	8	15	7	27	18	24
Totals.....	533	140	33	11	31	33	28	21	47	32	65	47	45
WHITE.....	491	129	30	11	30	33	25	20	43	29	59	39	43
BLACK.....	1	7	1	1	1	1	1	1	2	1	2	3	1
CHINESE.....	19	7	1	1	1	1	2	1	2	1	2	3	1
JAPANESE.....	22	4	2	1	1	1	1	1	2	2	3	5	1
Totals.....	533	140	33	11	31	33	28	21	47	32	65	47	45







TABLE 11

STATISTICAL REPORT OF SCHOOL HEALTH INSPECTION FOR THE  
FISCAL YEAR ENDED JUNE 30, 1916

The exclusions from school for communicable diseases (including "contacts") were as follows:

Chickenpox .....	704
Chorea .....	5
Diphtheria .....	379
Measles .....	48
Mumps .....	1,139
Scarlet Fever .....	530
Tonsillitis (Acute) .....	59
Trachoma .....	22
Whooping Cough .....	391
Contacts (all) .....	3,267

Total .....	6,544
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General examinations by nurses during school hours.....	212,995
Home visits by nurses.....	11,108
Dressings by nurses .....	5,545
Treatments by nurses .....	8,855
Physical examinations by medical inspectors.....	9,555
Defect notices issued to parents.....	1,644

The following figures show the results of defect notices issued during the year and those previously issued:

Treated by operation .....	657
Treated without operation.....	142
Vision corrected by glasses.....	221
Referred to clinics .....	199
Referred to societies .....	7

TABLE 12  
ANNUAL REPORT, DIVISION OF FOOD INSPECTION.  
INSPECTIONS MADE.

	Total	1915						1916					
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June
Bakeries.....	17	41	1	6	3	1	51	54	49	66	2	4	
Butchershops.....	470	15	27	49	48	54	3	1	6	6	24	18	
Candy, Factories and Stores.....	150	7	3	3	4	3	5	3	6	6	2	61	
Commission Houses.....	911	69	21	195	1	22	6	1	29	107	142	204	
Delicatessen Stores.....	100	4	9	11	6	13	3	12	5	18	6	3	
Fruit Stores.....	479	24	13	31	51	32	50	39	34	54	20	98	
Grocery Stores.....	520	7	27	55	52	37	59	34	29	46	28	41	
Hotels and Restaurants.....	355	51	40	42	46	30	27	39	43	13	17	4	
Markets.....	206	12	16	6	31	10	10	31	14	46	9	5	
Milk Depots.....	32				5	23		2				2	
Peddler Wagons.....	41	7	5	2		5	2	8	5	3	17	7	
R. R. Depots and Wharves.....	99	14	5	17		5	2	8	5	3	17	12	
Warehouses.....	249	3				33	33	29	11	33	31	74	
Miscellaneous.....	752	25	31	76	62	51	112	101	15	123	41	35	
Baths.....	15											64	
Reservoirs.....	37								37				
Total.....	4433	264	190	471	354	284	364	353	277	515	337	564	

## CONDEMNATIONS AND SEIZURES.

Fruits—323 boxes, 2,890 lbs.  
Vegetables and Cereals—4,053 sacks, 460 lbs., 9 packages,  
143 boxes, 7 crates  
Canned and Bottled Goods, Dried Fruits—6,791 bottle,  
8,461 cans, 1,233 lbs., 379 gals., 658 packages, 176 bbls.  
Poultry and Game—46 bbls. fish, 12 hare, 7 geese, 4 chickens.  
Miscellaneous—150 enchiladas, 40 lbs. butter.  
Food and Drink Samples collected for analysis, 667.  
Nuisances abated by written notice, 243.

## RESTAURANT INSPECTION

First Inspections—  
Restaurants..... 182  
Miscellaneous Food Stores..... 168  
Complaints..... 126  
Total..... 476  
Reinspections..... 1,334  
Nuisances Abated..... 139  
Restaurants Scored..... 68

TABLE 13  
ANNUAL REPORT DIVISION DAIRY INSPECTION

	Totals	1916											
		1915						1916					
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June
<b>Inspections.</b>													
*Dairies Inspected in San Francisco County.....	139	9	41	6	8	7	4	10	8	28	13	5	
Dairies Inspected in other counties.....	1257	104	66	121	96	123	108	96	81	119	124	114	
*Dairy Depots.....	2186	189	175	316	257	229	206	240	119	165	98	110	
*Miscellaneous Milk Venders.....	1439	142	150	190	194	164	156	163	58	76	47	41	
<b>Total.....</b>	<b>5021</b>	<b>444</b>	<b>432</b>	<b>633</b>	<b>555</b>	<b>523</b>	<b>474</b>	<b>509</b>	<b>266</b>	<b>333</b>	<b>282</b>	<b>270</b>	
<b>Cows.</b>													
Cows Placed Under Quarantine.....	162792	16423	11803	17125	11500	13219	15225	12220	10703	12736	14102	13465	
Cows Condemned and Killed.....	521	43	43	35	32	39	65	29	37	45	49	67	
Milk Cans Condemned.....	172	12	10	10	7	19	25	6	13	25	13	9	
Samples of Water Taken for Analysis.....	1081	136	86	205	75	171	43	102	76	39	46	43	
<b>Total.....</b>	<b>27</b>	<b>19</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	

\* These inspections covered by two lay inspectors in the City, remainder of report shows work performed by Dairy Veterinarians in the field.

TABLE 14  
ANNUAL REPORT, DIVISION OF MILK INSPECTION

	Total	1915							1916				
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June
		Samples Taken From											
Milk Wagons.....	429	7	33	35	29	37	10	107	67	30	34	19	18
Depot and Dairies.....	14	1				9							4
R. R. Depots and Wharves.....	2329	221	26	164	133	198	314	118	98	130	365	237	325
Groceries.....	5			2			1					1	1
Delicatessen Stores.....	182	2	6	103			1		24	5	41	1	
Hotels and Restaurants.....	1												
Bakeries.....													
Miscellaneous.....													
Total.....	2960	231	65	307	162	244	326	225	189	165	440	258	348

TABLE 15.

MILK BELOW STANDARD

Date	Ref. Read	Milk Fat	Total Solids	Solids		Below Standard.		Added Substance	Disposition
				Fat	Not Fat	Milk Fat	Not Fat		
1915									
July 1	42.3	3.0	11.81	8.81	.4				Arrested
" 1	41.7	3.0	11.62	8.62	.4				Arrested
" 1	39.5	3.6	11.63	8.03				Water 10%	Arrested
Aug. 15	42.8	1.8	10.77	8.97	1.6				Arrested
Sept. 3	39.3	3.7	11.80	8.10		.40		10% water	Arrested
" 8	42.0	3.2							Arrested
" 13	37.2	3.2	10.30	7.10	0.2	1.40		20% water	Arrested
" 13	39.1	3.4	11.11	7.71		.79		10% water	Arrested
" 13	39.4	3.3	11.20	7.90	0.1	.60		10% water	Arrested
" 13	38.2	3.3	10.71	7.41	0.1	1.09		20% water	Arrested
" 13	38.0	3.4	10.87	7.47		1.03		20% water	Arrested
" 13	41.5	2.6	11.32	8.72	.8				Arrested
" 13	39.1	3.5	11.24	7.74		.76		10% water	Arrested
" 13	38.0	3.4	10.83	7.43		1.07		20% water	Arrested
" 13	39.3	3.4	11.08	7.68		.82		10% water	Arrested
" 13	38.7	3.3	10.89	7.59	.1	.91		15% water	Arrested
" 13	39.7	3.4	11.73	8.33		.17		10% water	Arrested
" 13	42.2	2.7	11.94	9.24	.7				Arrested
" 13	41.0	2.1	10.61	8.51	1.3				Arrested
" 13	39.5	3.2	11.66	8.46	0.2	.04			Arrested
" 13	41.0	3.1	11.19	8.09	0.3				Arrested
" 13	40.0	3.1	11.09	7.99	0.3	.51		10% water	Arrested
" 13	41.2	2.5	10.60	8.10	.9	.40			Arrested
" 13	37.2	1.9	8.71	6.81	1.5	1.69		20% water	Arrested
" 13	41.1	2.7	11.79	9.09	.7				Arrested

TABLE 15—Continued.

Date	Ref. Read	Milk Fat	Total Solids	Solids		Below Standard.			Disposition
				Not Fat	Fat	Milk Fat	Not Fat	Added Substance	
1915									
Sept. 13	41.7	1.6	10.49	8.89	1.8				Arrested
" 13	40.1	3.0	11.29	8.29	0.4	.21	10% water		Arrested
" 13	40.0	3.2	11.76	8.56	0.2				Warned
" 23	42.0	3.0	11.99	8.99	.4				Warned
" 23	40.2	2.7	11.60	8.90	.7				Warned
Oct. 5	42.7	3.0	12.12	9.12	0.4				Warned
" 18	41.0	2.8	11.23	8.43	.6				Warned
" 18	42.4	3.1	12.02	8.92	.3				Warned
" 18	40.8	3.0	11.55	8.55	0.4				Arrested
Nov. 8	42.0	2.8	11.21	8.41	.6				Warned
" 30	39.6	3.4	11.79	8.39	.11		10% water		Arrested
" 30	38.2	4.2	11.65	7.45	1.05		10% water		Arrested
Dec. 1	39.8	3.8	11.50	7.70		.80	10% water		Arrested
" 2	39.7	3.4	11.39	7.99		.51	10% water		Arrested
" 2	39.5	4.1	12.01	7.91		.59	10% water		Arrested
" 2	39.5	3.6	11.25	7.65		.85	10% water		Arrested
" 7	42.4	2.6							Warned
" 9	42.0	2.5	11.76	9.26	.9				Warned
" 27	41.7	2.9	11.92	9.00	.5				Warned
" 28	39.1	3.4	11.42	8.02	.48		10% water		Arrested
" 28	39.0	3.4	10.95	7.55		.95	10% water		Arrested
" 28	35.2	2.8	9.68	6.88	.6	1.62	20% water		Arrested
1916									
Jan. 7	43.0	3.0	12.02	9.02	.4				Warned
" 18	42.3	3.1	12.12	9.20	.3				Warned
" 18	42.2	3.0	12.20	9.20	.4				Warned

BOARD OF HEALTH

"	18	39.0	8.1	11.05	7.95	.55	10% water	Arrested
"	21	37.0	3.2	10.22	7.02	1.48	20% water	Arrested
Feb.	19	39.9	3.6	11.84	8.24		10% water	Arrested
"	19	37.9	3.3	10.63	7.33	.26	20% water	Arrested
"	19	39.6	3.5	11.78	8.28	.1	10% water	Arrested
"	28	43.0	2.7	11.72	9.02	.22		Warned
"	28	42.8	2.6	11.76	9.16	.8		Warned
"	28	42.7	3.0	11.94	8.94	.4		Warned
"	28	43.3	2.1	11.12	9.02	1.3		Warned
"	28	42.5	3.0	11.70	8.70	0.4		Warned
"	28	42.2	3.0	11.68	8.68	.4		Warned
Mch.	29	38.5	3.3	11.13	7.83	0.1	10% water	Arrested
April	4	39.5	3.7	11.81	8.11	.39	10% water	Arrested
"	4	43.0	2.4	10.94	8.54	1.0		Warned
"	4	40.4	3.7	12.12	8.42	.08	Added water	Arrested
"	4	42.0	2.0	10.77	8.77	1.4		Warned
"	4	40.0	3.8	11.96	8.16	.34		Arrested
"	5	39.2	3.5	11.69	8.19	.31	10% water	Arrested
"	5	40.2	3.1	11.00	7.90	0.4	Added water	Arrested
"	5	40.3	3.1	11.50	8.40	0.3	Added water	Arrested
"	8	39.2	3.3	11.09	7.79	0.1	10% water	Arrested
"	8	39.1	3.2	11.05	7.85	0.2	10% water	Arrested
"	8	39.9	3.0	10.90	7.90	0.4	7% water	Arrested
"	8	39.3	3.2	11.12	7.92	0.2	7% water	Arrested
"	10	41.3	1.9	10.98	9.08	1.5		Warned
"	10	42.1	2.5	11.34	8.84	0.9		Warned
"	10	42.9	3.2	11.80	8.60	0.2		Warned
"	11	40.5	3.2	11.42	8.22	0.2		Arrested
"	11	41.0	3.3			0.1		Arrested
"	11	41.0	3.2	11.42	8.22	0.2		Arrested
"	11	41.2	3.1	11.36	8.26	0.3		Arrested
"	11	41.2	3.2	11.47	8.27	0.2		Arrested
"	11	41.3	3.1	11.37	8.27	0.3		Arrested
"	12	42.2	2.7	11.57	8.87	0.7		Warned

TABLE 15—Continued.

Date	Ref. Read	Milk Fat	Total Solids	Solids		Below Standard.		Disposition	
				Not Fat	Fat	Milk Fat	Solids		
							Not Fat		Fat
1916									
April 12	42.5	3.1	12.64	9.54	0.3			Warned	
" 12	42.7	3.2	11.99	8.79	0.2			Warned	
" 24	42.2	3.2	11.91	8.71	0.2			Warned	
" 24	41.9	3.2	11.84	8.64	0.2			Warned	
" 25	42.4	1.9	10.98	9.08	1.5			Warned	
" 25	42.2	2.6	11.46	8.86	0.8			Warned	
" 25	41.2	3.0	11.68	8.68	0.4			Warned	
May 8	42.3	2.1	11.15	9.05	1.3		Skimmed	Arrested	
" 8	38.8	3.4	10.89	7.49		1.01	12% water	Arrested	
" 9	41.8	3.2	12.04	8.84	0.2			Warned	
" 9	42.5	3.1	12.04	8.94	0.3			Warned	
" 9	41.9	3.2	11.95	8.75	0.2			Arrested	
" 10	37.8	3.3	10.70	7.40	0.1	1.1	12% water	Arrested	
" 10	40.2	3.3	11.64	8.34	0.1	0.16	Added water	Arrested	
" 10	41.5	2.2	10.73	8.53	1.2		Skimmed	Warned	
" 10	40.5	2.8	11.27	8.47	0.6	0.03		Warned	
" 16	42.8	2.8	11.71	8.91	.6			Warned	
" 16	42.7	2.9	11.32	8.42	.5	.08		Warned	
" 17	43.4	2.9	12.05	9.15	0.5			Warned	
" 26	42.1	3.0	11.70	8.70	0.4			Warned	
" 26	40.0	3.4	11.85	8.45		.05		Warned	
" 26	41.9	3.1	11.17	8.07	0.3	.43		Warned	
June 1	43.0	2.8	12.03	9.23	0.6			Warned	
" 8	40.3	3.2						Warned	
" 8	41.5	3.2						Warned	
" 13	42.6	2.9	12.03	9.13	0.5		Skimmed	Warned	
" 13	41.5	3.2	12.22	9.02	0.2			Warned	



" 13.....	39.7	8.4	11.51	8.11	0.39	5% water	Arrested
" 13.....	40.6	8.3	11.54	8.24	0.1	Added water	Arrested
" 13.....	40.0	3.2	11.37	8.17	0.2	Added water	Arrested
" 14.....	42.0	2.0	11.35	9.35	1.4	Skimmed	Warned
" 14.....	41.6	2.9	11.43	8.53	0.5	Skimmed	Warned
" 14.....	41.8	3.0	12.07	9.07	0.4	Skimmed	Arrested
" 26.....	41.4	2.3	11.38	9.08	1.1	Skimmed	Arrested
" 26.....	39.0	3.3	11.39	8.09	.1	10% water	Arrested
" 26.....	39.4	3.6	11.86	8.26	.24	7% water	Arrested
" 26.....	39.7	3.5	11.29	7.79	.71	10% water	Arrested
" 26.....	40.1	3.3	11.62	8.32	.1	5% water	Arrested
" 28.....	40.3	3.7	11.92	8.22	0.28	Added water	Warned
" 28.....	42.6	3.1	12.27	9.17	0.3	Added water	Warned
" 28.....	39.0	3.7	12.04	8.34	0.16	Added water	Arrested
" 28.....	40.5	3.8	12.09	8.29	0.21	Added water	Arrested
" 28.....	41.2	3.1	11.64	8.54	0.3		Arrested
" 28.....	41.8	3.1			0.3		Warned
" 30.....	39.70	3.35	11.72	8.37	0.05		Arrested

TABLE 15—Continued.

RESULTS OF ARRESTS AND PROSECUTIONS BY THE LABORATORY  
ORDINANCE 660 (Regulating the handling and sale of milk)

Date of Arrest 1916	Date of Trial 1916	Disposition of Case
June 22	July 13	O. R. 30 days
June 11	July 16	\$25.00
June 14	July 16	\$25.00
June 14	July 16	\$50.00
Sept. 13	Sept. 23	\$25.00
Sept. 13	Sept. 23	\$25.00
Sept. 13	Sept. 23	\$25.00
Sept. 13	Sept. 23	\$10.00
Sept. 13	Sept. 23	\$25.00
Sept. 13	Sept. 23	Dismissed
Sept. 13	Oct. 1	O. R. 30 days
Sept. 13	Oct. 1	O. R. 30 days
Sept. 13	Oct. 1	\$25.00
Sept. 13	Oct. 6	\$10.00
Sept. 13	Oct. 6	\$10.00
Sept. 13	Oct. 6	\$10.00
Sept. 13	Oct. 1	\$10.00
Sept. 13	Oct. 6	\$10.00
Sept. 13	Oct. 1	\$10.00
Sept. 13	Nov. 11	\$25.00
Nov. 8	Dec. 8	O. R. 30 days
Nov. 8	Dec. 8	O. R. 30 days
Nov. 5	Dec. 10	O. R. 30 days
Nov. 5	Dec. 16	O. R. 30 days
Nov. 18	Dec. 16	O. R. 60 days
Dec. 2	Dec. 17	O. R. 30 days
Nov. 15	Dec. 17	O. R. 30 days
Dec. 2	Dec. 22	O. R. 30 days
Nov. 30	Dec. 22	\$25.00
	1916	
Nov. 15	Jan. 6	\$50.00
Dec. 2	Jan. 6	\$50.00
Dec. 27	Jan. 16	O. R. 30 days
Dec. 28	Jan. 21	\$25.00
Dec. 15	Jan. 26	Dismissed
Dec. 15	Jan. 26	Dismissed
Dec. 15	Jan. 26	Dismissed
	1916	
Jan. 21	Feb. 11	\$50.00
Feb. 2	Feb. 25	\$25.00
Feb. 16	Mar. 14	\$25.00
Feb. 16	Mar. 14	\$25.00
Feb. 16	Mar. 14	\$25.00
Feb. 16	Mar. 20	\$10.00
Mar. 16	Mar. 23	O. R. 60 days
April 5	April 18	\$25.00
April 4	April 18	O. R. 60 days
April 4	April 18	O. R. 60 days

TABLE 15—Continued

RESULTS OF ARRESTS AND PROSECUTIONS BY THE LABORATORY  
ORDINANCE 660 (Regulating the handling and sale of milk)—Continued

Date of Arrest 1916	Date of Trial 1916	Disposition of Case
April 4	April 18	O. R. 60 days
April 8	April 18	Dismissed
April 8	April 18	Dismissed
April 8	April 18	Dismissed
April 11	April 29	Dismissed
April 11	April 29	Dismissed
April 11	April 29	Dismissed
April 11	April 29	Dismissed
April 11	April 29	Dismissed
April 11	April 29	Dismissed
Mar. 29	April 18	O. R.
April 8	April 18	\$10.00
May 8	May 24	\$10.00
April 5	May 23	O. R. 30 days
May 8	May 23	O. R.

Total fines assessed \$675.00. Average fine \$23.27.

O. R.—Released upon own recognizance.

TABLE 16

## MILK BACTERIAL COUNTS—AUGUST, 1915.

Bacteria per c.c.	Number of Samples	
	Shippers	Wagons—Stores
Under 10,000.....	0	
10,000 to 50,000.....	14	
50,000 to 100,000.....	4	
100,000 to 250,000.....	7	
250,000 to 500,000.....	1	
500,000 to 1,000,000.....	0	
Over 1,000,000.....	0	
	26	

Rating for the month, Levy method, 74%.

## MILK BACTERIAL COUNTS—SEPTEMBER.

Bacteria per c.c.	Number of Samples	
	Shippers	Wagons—Stores
Under 10,000.....	3	
10,000 to 50,000.....	57	
50,000 to 100,000.....	28	
100,000 to 250,000.....	14	
250,000 to 500,000.....	11	
500,000 to 1,000,000.....	24	
Over 1,000,000.....	15	
	152	

Rating for the month, Levy method, 57%.

TABLE 16—Continued  
MILK BACTERIAL COUNTS—OCTOBER.

Bacteria per c.c.		Number of Samples Shippers	Number of Samples Wagons—Stores
Under	10,000.....	1	
10,000 to	50,000.....	58	
50,000 to	100,000.....	28	
100,000 to	250,000.....	13	
250,000 to	500,000.....	8	
500,000 to	1,000,000.....	12	
Over	1,000,000.....	9	
		129	

Rating for the month, Levy method, 65%.

MILK BACTERIAL COUNTS—NOVEMBER.

Bacteria per c.c.		Number of Samples Shippers	Number of Samples Wagons—Stores
Under	10,000.....	44	1
10,000 to	50,000.....	44	3
50,000 to	100,000.....	32	4
100,000 to	250,000.....	20	
250,000 to	500,000.....	8	
500,000 to	1,000,000.....	11	
Over	1,000,000.....	4	
		163	8

Rating for the month, Levy Method, 74%.

MILK BACTERIAL COUNTS—DECEMBER.

Bacteria per c.c.		Number of Samples Shippers	Number of Samples Wagons—Stores
Under	10,000.....	1	
10,000 to	50,000.....	172	3
50,000 to	100,000.....	62	2
100,000 to	250,000.....	40	3
250,000 to	500,000.....	15	2
500,000 to	1,000,000.....	14	
Over	1,000,000.....	1	
		305	10

Rating for the month, Levy method, 74%.

MILK BACTERIAL COUNTS—JANUARY, 1916.

Bacteria per c.c.		Number of Samples Shippers	Number of Samples Wagons—Stores
Under	10,000.....	---	
10,000 to	50,000.....	83	64
50,000 to	100,000.....	13	25
100,000 to	250,000.....	6	13
250,000 to	500,000.....	7	4
500,000 to	1,000,000.....	7	
Over	1,000,000.....	---	
		116	106

Rating for the month, Levy method, 77%.

TABLE 16—Continued

## MILK BACTERIAL COUNTS—FEBRUARY.

Bacteria per c.c.	Number of Samples	
	Shippers	Wagons—Stores
Under 10,000.....	—	—
10,000 to 50,000.....	50	32
50,000 to 100,000.....	19	17
100,000 to 250,000.....	16	12
250,000 to 500,000.....	4	2
500,000 to 1,000,000.....	8	4
Over 1,000,000.....	2	—
	99	67

Rating for the month, Levy method, 69.5%.

## MILK BACTERIAL COUNTS—MARCH.

Bacteria per c.c.	Number of Samples	
	Shippers	Wagons—Stores
Under 10,000.....	—	—
10,000 to 50,000.....	45	10
50,000 to 100,000.....	10	11
100,000 to 250,000.....	11	5
250,000 to 500,000.....	1	2
500,000 to 1,000,000.....	7	2
Over 1,000,000.....	3	—
	77	30

Rating for the month, Levy method, 70.6%.

## MILK BACTERIAL COUNTS—APRIL.

Bacteria per c.c.	Number of Samples	
	Shippers	Wagons—Stores
Under 10,000.....	—	—
10,000 to 50,000.....	162	23
50,000 to 100,000.....	65	11
100,000 to 250,000.....	41	4
250,000 to 500,000.....	22	2
500,000 to 1,000,000.....	49	12
Over 1,000,000.....	3	—
	342	52

Rating for the month, Levy method, 65.6%.

## MILK BACTERIAL COUNTS—MAY.

Bacteria per c.c.	Number of Samples	
	Shippers	Wagons—Stores
Under 10,000.....	1	—
10,000 to 50,000.....	105	9
50,000 to 100,000.....	56	7
100,000 to 250,000.....	17	3
250,000 to 500,000.....	10	—
500,000 to 1,000,000.....	15	—
Over 1,000,000.....	5	—
	209	19

Rating for the month, Levy method, 71.5%.

TABLE 16—Continued

## MILK BACTERIAL COUNTS—JUNE.

Bacteria per c.c.		Number of Samples Shippers	Number of Samples Wagons—Stores
Under	10,000.....	---	
10,000 to	50,000.....	159	6
50,000 to	100,000.....	48	
100,000 to	250,000.....	36	5
250,000 to	500,000.....	19	6
500,000 to	1,000,000.....	23	
Over	1,000,000.....	6	
		291	17

Rating for the month, Levy method, 70%.

## BACTERIAL INDEX

The Bacterial Index of the milk supply of the City as determined by the Levy method recommended by the American Public Health Association was 69.9 per cent for the year 1915-16 as shown below:

	No. of Samples	Rating Figure	Product
Under	10,000.....	51	100
10,000 to	50,000.....	1,099	90
50,000 to	100,000.....	447	75
100,000 to	250,000.....	267	50
250,000 to	500,000.....	118	20
500,000 to	1,000,000.....	188	10
Over	1,000,000.....	48	0
		2,218	155,125

$$\frac{155,125}{2,218} = 69.9 \text{ per cent.}$$

TABLE 17  
CHEMICAL LABORATORY.

GENERAL SUMMARY OF ANALYSES MADE DURING THE FISCAL YEAR  
ENDED JUNE 30, 1916.

Allspice .....	3	Mace .....	1
Almonds .....	1	Manure .....	1
Apricots—dried .....	1	Marshmallow creme .....	1
Bacon .....	1	Mayonnaise .....	1
Barley .....	1	Meat .....	2
Beans .....	8	Meat—chopped .....	26
Beer .....	48	Meat—mince .....	3
Blanket .....	2	Meat—sausage .....	13
Boiler compound .....	1	Milk .....	3,055
Boiler scale .....	2	Milk—condensed .....	6
Boiler water .....	1	Molasses .....	5
Bouillon .....	1	Mustard .....	1
Bread .....	2	Noodles .....	1
Butter .....	14	Olives .....	2
Capsules .....	1	Olive oil .....	8
Catsup .....	5	Peaches—dried .....	2
Chestnuts .....	1	Peas .....	1
Chili con carne.....	6	Pepper .....	6
Chocolate .....	1	Pills .....	1
Clams .....	1	Pineapple juice .....	1
Cloves .....	1	Popcorn .....	1
Coal tar color.....	2	Preservative .....	4
Coffee .....	2	Prunes—dried .....	1
Cold cream .....	1	Raisins .....	1
Corn .....	1	Raspberries .....	1
Corn beef .....	1	Rice .....	4
Crab .....	2	Rennet .....	1
Crackers .....	1	Salad oil .....	1
Cream .....	46	Salmon .....	2
Dates .....	1	Salt petre .....	4
Dish .....	1	Sauce .....	3
Dye .....	1	Scrapple .....	1
Eggs .....	2	Soap .....	5
Egg meat .....	11	Soda .....	1
Figs .....	1	Soda waters .....	8
Flour .....	40	Soup .....	2
Frijoles .....	1	Spaghetti .....	5
Fruit—dried .....	1	Sugar .....	1
Gas .....	1	Tamale .....	1
Gasoline .....	3	Tomatoes .....	1
Groats .....	1	Tomato puree .....	3
Gum .....	1	Toxicological .....	31
Herbicide .....	1	Tuna .....	1
Hominy .....	3	Unknown substance .....	1
Ice cream .....	23	Urine .....	48
Iccine .....	1	Vanilla extract .....	1
Iodine .....	25	Vermicelli .....	1
Jam .....	3	Walnuts .....	1
Jelly .....	4	Water .....	353
Lard .....	1	Wheat nuts .....	1
Lemon juice .....	1	Wine .....	11
Lemon oil .....	1		
Liniment .....	1		
			3,926

TABLE 19  
 SPRING VALLEY WATER CO.—CLARENDON HEIGHTS—FISCAL YEAR 1915-1916.

Date Received.....	Color.....	Total Solids.....	Loss Ignition.....	Fixed Residue.....	Chlorine.....	Nitrogen as				Oxygen Consumed.....	On Ignition.....	Bacteria Per CC Agar Room Temp.....	Bacteria Per CC Agar 37o.....	REMARKS.
						Nitrites.....	Nitrates.....	Free Ammonia.....	Albuminoid Ammonia.....					
7-14-15	Clear	283	35	248	27	.0003	.200	.2420	.2553	1	Bl.	100 B.	100 B.	Coli present in 5cc
7-29-15	Clear	303	51	252	26	Trace	Trace	.068	.116	1	N. B.	60 B.	60 B.	Coli present in 10cc
8-25-15	Clear	307	44	263	30	.003	.600	.0741	.0871	3	B. S.	80 B.	80 B.	Coli present in 5cc
9-29-15	Clear	302	36	266	25	Trace	.800	.0111	.0793	1	N. B.	200 B.	180 B.	Coli absent in 10cc
10-25-15	Clear	306	46	260	26	.002	.600	.0260	.0585	1	N. B.	460 B.	300 B.	Coli present in 10cc
11-24-15	Clear	305	31	274	25	.001	.800	.0195	.0312	1	N. B.	28	50 B.	Coli absent in 10cc
12-23-15	Turbid	300	50	250	24	.0005	.800	.0455	.0702	1	Bl. S.	320 B.	150 B.	Coli present in 5cc
1-14-16	Turbid, very bad	302	79	223	24	None	.780	.1482	.2262	3	Bl.	280 B.	200 B.	Coli present in 5cc
2-8-16	Turbid	276	40	236	21	Trace	.900	.0390	.1820	1	N. B.	100 B.	30 B.	Coli present in 10cc
2-25-16	Turbid	221	79	142	22	.0005	.600	.0481	.1144	1	Bl.	260 B.	10 B.	Coli present in 10cc
3-14-16	Turbid	200	30	170	22	Trace	.600	.0403	.0741	1	Bl.	250 B.	20 B.	Coli absent in 10cc
3-18-16	Clear	230	49	181	22	None	Trace	.0416	.2145	2	B.	1700 B.	12 B.	Coli absent in 10cc
4-19-16	Clear	248	63	185	22	None	Trace	.0346	.1826	2	N. B.	180 B.	200 B.	Coli absent in 10cc
5-14-16	Turbid	237	23	214	22	None	Trace	.1170	.1235	2	N. B.	80 B.	60 B.	Coli absent in 10cc
6-7-16												250 B.	40 B.	Coli present in 10cc
6-20-16												28	40 B.	Coli absent in 10cc
												180 B.	60 B.	Coli present in 10cc

SPRING VALLEY WATER CO.—CLAY ST. TANK—FISCAL YEAR 1915-1916.

7-14-15	Clear	252	36	216	22	Trace	.130	.0598	.1144	2	Bl.	200 B.	60 B.	Coli absent in 10cc
7-29-15	Clear	420	37	383	23	Trace	.600	.032	.060	1	Bl.	50 B.	29 B.	Coli present in 10cc
8-25-15	Clear	208	57	151	29	Trace	None	.0026	.0429	1	N. B.	2400 B.	600 B.	Coli present in 1cc
9-29-15	Clear	286	29	257	26	None	.600	.0117	.0663	1	N. B.	5000 B.	1200 B.	Coli present in 1cc
10-25-15	Clear	309	39	270	26	.002	.500	.0403	.1495	1.0	N. B.	300 B.	50 B.	Coli absent in 10cc



SPRING VALLEY WATER CO.—COLLEGE HILL—FISCAL YEAR 1915-1916.

11-24-15	Clear	291	28	263	26	.002	.700	.0273	.0676	1	N. B.	420	10 B.	Coli absent in 10cc
12-22-15	Clear	313	74	239	26	.0005	.600	0.30	.0663	3	N. B.	100	12 B.	Coli present in 10cc
1-14-16	Turbid	267	70	197	23	Trace	.600	.1053	.1430	3	Bl.	80	60 B.	Coli present in 5cc
2-8-16	Turbid	221	66	175	22	None	.700	.0273	.0715	2	Bl.	260	50 B.	Coli absent in 10cc
2-25-16	.....	242	60	162	22	Trace	.700	.0321	.1019	7	Bl.	68	30 B.	Coli absent in 10cc
3-14-16	.....	220	34	186	22	None	.600	.0351	.1436	2	Bl.	88	50 B.	Coli absent in 10cc
3-28-16	Clear	220	30	190	22	Trace	.900	.0442	.0884	1	Bl.	100	16 B.	Coli present in 10cc
4-19-16	Clear	237	52	185	24	Trace	Trace	.0132	.0960	1	B.	46	10 B.	Coli present in 10cc
5-4-16	Clear	239	50	189	23	Trace	Trace	.0390	.0533	2	B.	38	20 B.	Coli absent in 10cc
5-25-16	.....											30	25 B.	Coli present in 10cc
6-6-16	.....											12	30 B.	Coli absent in 10cc
6-20-16	.....											40	100 B.	Coli absent in 10cc
7-14-15	Turbid	204	36	168	26	None	Trace	.03436	.1596	3	Bl.	300	120 B.	Coli absent in 10cc
7-28-15	.....	145	36	109	27	Trace	None	.004	.132	2	Bl.	1000	400 B.	Coli present in 10cc
8-28-15	Clear	146	50	96	29	None	Trace	.0013	.1235	4	Bl.	640	75 B.	Coli absent in 10cc
9-27-15	Turbid	190	36	154	26	.002	None	.0104	.1586	3	Bl.	250	100 B.	Coli absent in 10cc
10-29-15	Clear	139	20	119	26	Trace	None	.0702	.1651	2	Bl.	240	120 B.	Coli present in 10cc
11-23-15	Clear	134	14	120	26	.001	None	.0117	.1885	2	Bl.	48	180 B.	Coli present in 5cc
12-22-15	Turbid	148	18	130	25	.0005	None	.013	.1495	3	Bl.	32	20 B.	Coli absent in 10cc
1-14-16	Turbid	201	52	149	23	Trace	.200	.0455	.0806	2	B. S.	30	80 B.	Coli present in 10cc
2-7-16	.....	227	48	179	21	Trace	1.28	.0585	.1066	2	B. S.	800	68 B.	Coli present in 5cc
2-23-16	.....	231	25	206	32	Trace	Trace	.0182	.0442	1	Bl.	1000	20 B.	Coli present in 10cc
3-13-16	Turbid	233	25	208	22	Trace	Trace	.0630	.1130	1	Bl.	150	50 B.	Coli absent in 10cc
3-27-16	Turbid	225	20	205	21	Trace	Trace	.0039	.1716	1	Bl.	200	24 B.	Coli present in 10cc
4-17-16	Turbid	218	28	190	22	Trace	Trace	.0440	.1480	1	B.	26	14 B.	Coli absent in 10cc
5-3-16	Slightly turbid	146	33	113	23	None	Trace	.0611	.3252	3	B.	75	50 B.	Coli present in 10cc
5-25-16	.....											18	20 B.	Coli absent in 10cc
6-5-16	.....											240	300 B.	Coli absent in 10cc
6-19-16	Turbid yellowish	149	43	106	23	Trace	Trace	.0053	.1266	3	B.			

TABLE 19—Continued  
 SPRING VALLEY WATER COMPANY—FRANCISCO STREET RESERVOIR—FISCAL YEAR 1915-1916.

Date Received.....	Color.....	Total Solids.....	Loss Ignition.....	Fixed Residue.....	Chlorine.....	Nitrogen as				Oxygen Consumed.....	On Ignition.....	Bacteria Per CC Agar Room Temp.....	Bacteria Per CC Agar 37o.....	REMARKS.
						Nitrites.....	Nitrates.....	Free Ammonia.....	Albuminoid Ammonia.....					
7-14-15	Clear	204	52	152	32	Trace	Trace	.0133	.1675	2	Bl.	860	700 B.	Coli present in 10cc
7-29-15	Clear	212	27	185	30	Trace	Trace	.036	.240	3	Bl.	100	60 B.	Coli present in 5cc
8-25-15	Clear	193	58	135	36	.001	.600	.0013	.1586	1	Bl.	250	200 B.	Coli present in 1cc
9-29-15	Clear	291	48	243	24	.002	.700	.0572	.1456	2	B. S.	620	500 B.	Coli present in 10cc
10-25-15	Clear	301	31	270	27	.001	.500	.091	.182	1	N. B.	500	60 B.	Coli present in 10cc
11-24-15	Clear	302	37	265	26	.001	.900	.0364	.0975	1	N. B.	480	50 B.	Coli absent in 10cc
12-22-15	Clear	300	70	230	26	.0005	.400	.0312	.1001	1	N. B.	20	46 B.	Coli absent in 10cc
1-14-16	Turbid	242	61	181	22	None	.600	.0330	.1326	3	Bl.	210	140 B.	Coli present in 5cc
2-8-16	Turbid	210	46	164	22	None	.500	.0455	.0806	2	Bl.	1000	100 B.	Coli present in 5cc
2-25-16	Turbid	218	68	150	23	Trace	Trace	.0481	.1222	2	Bl.	800	130 B.	Coli present in 10cc
3-14-16	Turbid	215	47	168	22	None	.400	.0390	.0650	2	Bl.	200	24 B.	Coli absent in 10cc
3-28-16	Clear	235	35	200	22	Trace	11.300	.0091	.1170	1	Bl.	800	200 B.	Coli present in 10cc
4-19-16	Clear	225	33	192	24	Trace	Trace	.0080	.1586	2	B.	76	30 B.	Coli absent in 10cc
5-4-16	Clear	273	38	235	23	Trace	Trace	.0520	.1691	2	B.	2400	1000 B.	Coli present in 10cc
5-25-16	Clear	204	20	184	35	Trace	Trace	.0106	.0878	2	Bl.	300	110 B.	Coli present in 10cc
6-7-16	Clear	192	45	147	32	Trace	Trace	.056	.108	3	Bl.	360	400 B.	Coli present in 5cc
6-20-16	Clear	183	30	153	32	Trace	Trace	.0143	.1365	6	Bl.	360	200 B.	Coli present in 1cc
8-25-15	Clear	284	59	225	36	.002	None	.0321	.1495	2	Bl.	11500	2400 B.	Coli present in 5cc
9-29-15	Clear	202	36	166	37	Trace	Trace	.0321	.1495	2	B. S.	1000	600 B.	Coli present in 5cc
10-25-15	Clear	204	20	184	35	.001	None	.1885	.1950	2	B. S.	1000	600 B.	Coli present in 5cc

SPRING VALLEY WATER CO.—LOMBARD ST. RESERVOIR—FISCAL YEAR 1915-1916.

7-14-15	Clear	192	45	147	32	Trace	Trace	.0106	.0878	2	Bl.	300	110 B.	Coli present in 10cc
7-29-15	Clear	183	30	153	32	Trace	Trace	.056	.108	3	Bl.	360	400 B.	Coli present in 5cc
8-25-15	Clear	284	59	225	36	.002	None	.0143	.1365	6	Bl.	360	200 B.	Coli present in 1cc
9-29-15	Clear	202	36	166	37	Trace	Trace	.0321	.1495	2	Bl.	11500	2400 B.	Coli present in 5cc
10-25-15	Clear	204	20	184	35	.001	None	.1885	.1950	2	B. S.	1000	600 B.	Coli present in 5cc

SPRING VALLEY WATER CO.—POTRERO HEIGHTS—FISCAL YEAR 1915-1916.

11-24-15	Clear	212	28	184	38	.002	None	.0494	.1625	2	Bl.	640	24	B.	Coli absent in 10cc
12-22-15	Turbid	217	54	163	28	.0005	Trace	.0585	.0767	2	Bl.	380	30	B.	Coli present in 10cc
1-14-16		260	57	203	23	None	.250	.0108	.1820	3	Bl.	1000	86	B.	Coli present in 10cc
2-8-16	Turbid	226	45	181	31	Trace	.500	.0520	.1846	2	Bl.	700	40	B.	Coli present in 10cc
2-25-16		214	80	134	27	Trace	Trace	.0130	.0910	2	Bl.	600	26	B.	Coli absent in 10cc
3-14-16		210	35	175	22	None	.600	.0160	.0572	2	Bl.	160	100	B.	Coli absent in 10cc
3-28-16		225	26	199	22	None	Trace	.0078	.1391	1	Bl.	660	500	B.	Coli absent in 10cc
4-19-16	Clear	222	33	189	24	None	Trace	.0120	.1453	2	B.	58	40	B.	Coli absent in 10cc
5-4-16	Turbid	203	43	160	28	None	Trace	.0195	.1495	3	D.	12	20	B.	Coli absent in 10cc
5-25-16												250	50	B.	Coli present in 5cc
6-7-16												20	20	B.	Coli absent in 10cc
6-20-16												250	30	B.	Coli absent in 10cc
7-14-15	Clear	277	36	241	26	Trace	.130	.0519	.1144	2	Bl.	400	600	B.	Coli absent in 10cc
7-24-15	Clear	298	43	255	27	.002	.400	.016	.102	1	N. B.	400	1000	B.	Coli present in 1cc
8-25-15	Clear	285	60	225	31	.002	Trace	.028	.065	2	B. S.	200	120	B.	Coli present in 1cc
9-27-15	Turbid	305	74	231	23	.001	.800	.0052	.2083	2	Bl.	340	150	B.	Coli present in 10cc
10-25-15	Clear	298	43	255	26	.001	.600	.1755	.338	1	N. B.	800	1200	B.	Coli present in 10cc
11-23-15	Clear	248	78	170	29.5	.001	.500	.0338	.0260	1	Bl.	78	60	B.	Coli present in 10cc
12-22-15	Turbid	291	30	261	24.5	.0005	.600	.0091	.1235	2	N. B.	80	50	B.	Coli present in 5cc
1-14-16	Turbid	217	58	159	20	Trace	.400	.0455	.1469	3	B.	1000	30	B.	Coli present in 5cc
2-7-16	Turbid, bad color	256	68	188	22	None	.88	.0351	.1321	2	B.	50	24	B.	Coli present in 10cc
2-23-16		234	32	202	22	Trace	.350	.0546	.1339	1	Bl.	100	30	B.	Coli present in 10cc
3-15-16	Clear	205	40	165	22	Trace	Trace	.0325	.1066	2	Bl.	120	80	B.	Coli absent in 10cc
3-27-16	Turbid	225	35	180	22	.001	Trace	.0156	.1765	2	Bl.	7000	15000	B.	Coli present in 1cc
4-17-16	Clear	219	30	189	22	.001	Trace	.0133	.1533	2	B.	58	40	B.	Coli absent in 1cc
5-5-16	Turbid	271	51	220	22	Trace	0.5	.0260	.1365	4	B.	300	80	B.	Coli absent in 10cc
5-25-16												6000	480	B.	Coli present in 5cc
6-5-16												240	100	B.	Coli present in 10cc
6-19-16	Turbid, yellow	274	57	217	24	Trace	Trace	.0093	.1000	2	B.	1500	20	B.	Coli absent in 10cc

TABLE 19—Continued  
 SPRING VALLEY WATER CO.—PRESIDIO HEIGHTS—FISCAL YEAR 1915-1916.

Date Received.....	Color.....	Total Solids.....	Loss Ignition.....	Fixed Residue.....	Chlorine.....	Nitrogen as				Oxygen Con- sumed.....	On Ignition.....	Bacteria Per CC Agar Room Temp.....	Bacteria Per CC Agar 37o.....	REMARKS.
						Nitrites.....	Nitrates.....	Free Am- monia.....	Albuminoid Ammonia.....					
7-14-15	Clear	277	43	234	26	Trace	.180	.0080	.0798	2	Bl.	250	60 B.	Coli present in 5cc
7-29-15	Clear	289	42	247	35	Trace	.500	.010	.060	1	Bl. S.	120	100 B.	Coli present in 5cc
8-25-15	Clear	306	63	243	28	Trace	.600	.0312	.0598	5	B. S. S.	5700	600 B.	Coli absent in 10cc
9-29-15	Clear	293	49	244	25	Trace	.900	.0481	11.310	1	N. B.	520	240 B.	Colo present in 10cc
10-25-15	Clear	297	41	256	25	None	.700	.0455	.0975	1	N. B.	190	80 B.	Coli absent in 10cc
11-24-15	Clear	312	40	272	25	.001	.600	.0117	.0364	1	N. B.	800	56000 B.	Coli absent in 10cc
12-22-15	Turbid	300	47	253	24	.0005	.800	.0325	.0676	1	Bl.	200	60 B.	Coli present in 10cc
1-14-16	Turbid	288	45	243	26	Trace	.780	.0260	.0702	1	Bl.	450	300 B.	Coli present in 10cc
2-15-16	Turbid	230	42	188	21	Trace	.700	.0169	.1066	1	B.	200	50 B.	Coli present in 10cc
2-8-16	Clear	235	55	180	20	.0003	.600	.0117	.0637	1	Bl.	100	2000	Coli absent in 10cc
3-14-16	Clear	210	45	165	22	None	.600	.0117	.1404	1	Bl.	600	100 B.	Coli present in 10cc
3-28-16	Turbid	210	31	179	22	.001	Trace	.0195	.1651	1	Bl.	72	40 B.	Coli present in 10cc
4-19-16	Clear	235	35	200	23	None	Trace	.0340	.0973	2	B.	50	30 B.	Coli present in 10cc
5-4-16	Clear	262	47	215	21	Trace	Trace	.0650	.1040	1	B.	75	40 B.	Coli present in 10cc
5-25-16	Clear	262	47	215	21	Trace	Trace	.0650	.1040	1	B.	75	40 B.	Coli present in 10cc
6-6-16	Clear	262	47	215	21	Trace	Trace	.0650	.1040	1	B.	75	40 B.	Coli present in 10cc
6-20-16	Clear	262	47	215	21	Trace	Trace	.0650	.1040	1	B.	100	26 B.	Coli absent in 10cc

UNIVERSITY MOUND RESERVOIR—FISCAL YEAR 1915-1916.

7-14-15	Turbid	281	31	250	24	.0004	.180	.0532	.1250	3	Bl.	5000	3200 B.	Coli absent in 10cc
7-28-15	Turbid	300	46	254	22	.014	.510	.050	.200	9	N. B.	640	360 B.	Coli present in 10cc
8-28-15	Clear	316	35	281	28	Trace	.475	.0065	.0338	1	B. S.	40	300 B.	Coli absent in 10cc
9-27-15	Turbid	299	56	243	22	.004	1.500	.0377	.0962	1	B. S.	140	86 B.	Coli absent in 10cc
10-28-15	Clear	267	34	233	24	Trace	Trace	.0091	.1066	1	N. B.	300	70 B.	Coli present in 10cc

SPRING VALLEY WATER CO.—LAKE HONDA—FISCAL YEAR 1915-1916.

Date	Water Quality	294	281	266	25	.0005	.700	.0377	.0299	1	N. B.	160	20 B.	Coli absent in 10cc
11-23-15	Clear	280	36	244	23	.0005	.300	.0169	.0962	1	Bl. Sl.	100	20 B.	Coli present in 1cc
12-22-15	Turbid	215	57	158	21	Trace	.400	.0494	.1781	2	Bl.	160	50 B.	Coli present in 1cc
1-14-16	Turbid	236	60	176	20	None	.700	.0208	.1107	2	Bl. S.	300	120 B.	Coli present in 10cc
2-7-16	Turbid	222	35	187	60	Trace	.400	.0013	.0780	1	Bl. Sl.	60	10 B.	Coli present in 10cc
2-24-16	Color bad	233	30	203	22	Trace	Trace	.0364	.0760	2	Bl.	2000	600 B.	Coli present in 10cc
3-13-16	Turbid	237	32	205	22	Trace	Trace	.0052	.1131	2	Bl.	400	20 B.	Coli present in 10cc
3-27-16	Turbid	237	31	182	22	.001	Trace	.0030	.1400	2	B.	72	50 B.	Coli present in 10cc
4-17-16	Clear	213	31	182	22	.001	Trace	.0032	.1400	2	B.	60	50 B.	Coli absent in 10cc
5-3-16	Turbid	284	49	235	21	Trace	1.100	.0032	.0481	2	B.	100	75 B.	Coli present in 10cc
5-25-16												100	30 B.	Coli present in 10cc
6-5-16												1000	600 B.	Coli present in 5cc
6-19-16	Clear	271	59	212	22	Trace	None	.0040	.1133	1	B.			
7-15-15	Clear	182	24	158	35	.004	Trace	.0286	.078	2	Bl.	100	40 B.	Coli absent in 10cc
7-28-15	Clear	171	39	132	31	.001	None	.012	.158	4	Bl.	400	1200 B.	Coli present in 10cc
8-26-15	Clear	204	48	156	35	.002	None	.0065	.078	2	Bl.	240	200 B.	Coli absent in 10cc
9-27-15	Turbid	187	46	141	38	.001	None	.0377	.2477	3	Bl.	4200	1000 B.	Coli absent in 10cc
10-27-15	Clear	196	30	166	39	Trace	None	.0455	.1625	3	Bl.	15000	5000 B.	Coli present in 10cc
11-23-15	Clear	179	27	152	38	.002	Trace	.0195	.0117	2	Bl.	120	50 B.	Coli present in 10cc
12-22-15	Turbid	179	30	149	36	.0005	None	.0507	.1430	2	Bl.	100	20 B.	Coli present in 5cc
1-14-16	Turbid	253	70	183	27	.0005	.050	.0103	.1144	4	Bl.	1000	230 B.	Coli present in 5cc
2-8-16	Turbid	257	47	210	23	Trace	.400	.0334	.1703	2	Bl.	150	60 B.	Coli present in 5cc
2-23-16	Turbid	204	33	171	30	Trace	Trace	.0156	.1235	7	Bl.	32	20 B.	Coli present in 5cc
3-13-16	Turbid, yellow	232	36	196	23	None	Trace	.0390	.1560	1	Bl.	150	60 B.	Coli absent in 10cc
3-27-16	Turbid	240	30	210	21	Trace	Trace	.0065	.1235	2	Bl.	1000	50 B.	Coli absent in 10cc
4-17-16	Sl. Turbid	213	30	183	22	Trace	.500	.0093	.0921	2	B.	52	26 B.	Coli absent in 10cc
5-3-16	Clear	171	48	123	30	None	Trace	.0221	.1131	4	B.	200	150 B.	Coli present in 1cc
5-25-16												1500	75 B.	Coli present in 1cc
6-5-16												28	10 B.	Coli present in 10cc
6-21-16												120	50 B.	Coli absent in 10cc

TABLE 19—Continued  
 SPRING VALLEY WATER CO.—NORTH LAKE MERCED—FISCAL YEAR 1915-1916.

Date Received.....	Color.....	Total Solids.....	Loss Ignition.....	Fixed Residue.....	Chlorine.....	Nitrogen as				Oxygen Consumed.....	On Ignition.....	Bacteria Per CC Agar Room Temp.....	Bacteria Per CC Agar 370.....	REMARKS,
						Nitrites.....	Nitrates.....	Free Ammonia.....	Albuminoid Ammonia.....					
7-15-15	Turbid	275	92	183.67		Trace	None	.050	.215	3	Bl.	400	150 B.	Coli absent in 10cc
7-28-15	Clear	274	53	221.70		.0005	None	.052	.212	4	Bl.	640	365 B.	Coli absent in 10cc
8-28-15	Turbid	273	58	215.70		None	None	*	*	5	Bl.	240	75 B.	Coli absent in 10cc
9-27-15	Turbid	266	57	209.66		Trace	None	.0260	.2470	4	Bl.	3000	500 B.	Coli absent in 10cc
10-25-15	Turbid	297	43	254.68		.004	Trace	.0273	.351	3	Bl.	540	200 B.	Coli present in 10cc
11-23-15	Turbid, yellow	304	52	95.5		Trace	None	.1313	.5174	3	Bl.	260	140 B.	Coli present in 5cc
12-22-15	Turbid	268	80	188.63		None	None	.0104	.4615	4	Bl.	20	25 B.	Coli present in 10cc
1-14-16	Turbid, yellow	251	37	214.49		.0005	None	.1066	.4680	4	Bl.	200	140 B.	Coli absent in 10cc
2-24-16	Turbid	258	46	212.58		Trace	None	.0255	.3471	3	Bl.	3000	250 B.	Coli absent in 10cc
3-13-16	Yellowish	275	45	230.60		None	None	.0234	.4511	4	Bl.	2000	280 B.	Coli absent in 10cc
3-27-16	Yellowish	275	45	230.60		.001	None	.0234	.4485	4	Bl.	120	80 B.	Coli absent in 10cc
4-17-16	Clear	264	55	209.59		.001	None	.1586	.3080	4	B.	84	70 B.	Coli present in 10cc
5-3-16	Turbid	264	40	224.57		.001	Trace	.1105	.3640	4	B.	1000	200 B.	Coli present in 10cc
5-25-16												360	140 B.	Coli absent in 10cc
6-7-16												52	30 B.	Coli absent in 10cc
6-19-16	Turbid, yellow	288	70	218.64		None	Trace	.0253	.3400	5	B.	600	100 B.	Coli present in 10cc

\* Insufficient sample for est. ammonia.

SPRING VALLEY WATER CO.—SOUTH LAKE MERCED—FISCAL YEAR 1915-1916.

7-15-15	Clear	258	49	209	63	Trace	None	.0221	.182	2	Bl.	500	300 B.	Coli absent in 10cc
7-28-15	Clear	256	49	207	65	Trace	None	.040	.198	8	Bl.	600	240 B.	Coli present in 10cc
8-28-15	Clear	271	55	216	71	None	Trace	.0468	.2145	7	Bl.	2500	240 B.	Coli absent in 10cc
9-27-15	Clear	248	56	192	62	Trace	Trace	.078	.2548	3	Bl.	360	400 B.	Coli present in 1cc
10-25-15	Turbid	293	50	243	62	None	Trace	.0299	.299	4	Bl.	1000	250 B.	Coli present in 10cc



TABLE 19.—Continued  
MUNICIPAL WATER RESERVOIR—FISCAL YEAR 1915-1916.

Date Received.....	Color.....	Total Solids.....	Loss Ignition.....	Fixed Residue.....	Chlorine.....	Nitrogen as				Oxygen Con- sumed.....	On Ignition.....	Bacteria Per CC Agar Room Temp.....	Bacteria Per CC Agar 37o.....	REMARKS,
						Nitrites.....	Nitrates.....	Free Am- monia.....	Albuminoid Ammonia..					
7-16-15	Turbid	242	80	162	47	.001	5.000	.0991	.0156	1	B. S.	360	150 B.	Coli absent in 10cc
8-28-15	Clear	253	57	192	48	None	6.800	.0364	.0429	0.5	N. B.	600	60 B.	Coli absent in 10cc
9-28-15	Clear	282	39	233	44	None	5.35	.0965	.0507	1	N. B.	500	52 B.	Coli absent in 10cc
10-29-15	Clear	297	84	213	44	None	7.50	.0390	.0507	1	Bl. S.	500	120 B.	Coli absent in 10cc
11-23-15	Clear	268	28	240	42	.001	4.500	.0117	.0585	1	N. B.	20	4 B.	Coli absent in 10cc
12-22-15	Clear	310	74	236	42	Trace	5.300	.0260	.0520	1	N. B.	350	120 B.	Coli absent in 10cc
1-14-16	Clear	323	86	237	43	Trace	5.700	.0351	.0650	1	N. B.	36	20 B.	Coli present in 1cc
2-9-16	Clear	328	80	248	52	Trace	6.300	.0286	.0780	1	N. B.	10	16 B.	Coli present in 5cc
2-25-16	Clear	329	92	200	44	.001	6.300	.0221	.0234	1	N. B.	40	200 B.	Coli absent in 10cc
3-15-16	Clear	285	65	220	44	.005	4.600	.0195	.0286	1	N. B.	2000	1000 B.	Coli absent in 10cc
3-29-16	Clear	277	42	235	44	.003	7.100	.0266	.1759	6	N. B.	50	26 B.	Coli present in 10cc
4-19-16	Clear	300	67	233	43	.0010	7.800	.0650	.0845	1	B.	75	30 B.	Coli present in 10cc
5-5-16	Clear	283	77	206	43	.010	6.0					120	40 B.	Coli absent in 10cc
5-25-16	Clear											150	40 B.	Coli absent in 10cc
6-7-16												180	20 B.	Coli absent in 10cc
6-21-15														

PARK LODGE—FISCAL YEAR 1915-1916.

7-16-15	Clear	411	152	259	45	.002	9.900	.0208	.0754	1	B. S.	130	50 B.	Coli absent in 10cc
8-26-15	Clear	412	147	265	47	.004	9.52	.032	.090	1	Bl. Sl.	600	50 B.	Coli present in 1cc
8-26-15	Clear	185	35	150	37	Trace	14.500	.0991	.065	2	Bl.	40	48 B.	Coli absent in 10cc
9-29-15	Clear	400	116	284	48	.004	8.900	.0300	.1131	1	N. B.	300	120 B.	Coli present in 1cc
10-27-15	Clear	407	110	297	52	Trace	9.00	.0965	.0481	1	N. B.	1200	50 B.	Coli present in 5cc
11-22-15	Clear	485	91	344	50	.002	8.600	.039	.097	2	N. B.	20	360 B.	Coli present in 1cc



FOUNTAIN, CHILDREN'S PLAYGROUND—FISCAL YEAR 1915-1916.

12-22-15	Turbid	460	154	306	49.5	Trace	11.5	.0439	.0962	1	N. B.	50	6	B.	Coli present in 5cc
1-14-16	Clear	433	146	287	47	Trace	9.200	.1379	.2431	1	N. B.	130	20	B.	Coli present in 5cc
2-7-16	Clear, fair	434	166	288	47	Trace	12.500	.0360	.0936	1	B. S.	1000	0	B.	Coli absent in 10cc
2-24-16	Turbid	449	139	310	33	None	14.400	.0065	.1495	1	N. B.	60	2	B.	Coli absent in 10cc
3-14-16	Turbid	472	170	302	49	None	11.600	.0416	.0819	1	N. B.	80	20	B.	Coli present in 10cc
3-28-16	Turbid	391	95	296	47	.001	1.600	.0313	.1495	1	N. B.	50	30	B.	Coli present in 10cc
4-18-16	Clear	415	115	300	48	.0008	13.100	.0133	.0573	1	N. B.	378	0	B.	Coli present in 5cc
5-3-16	Clear	381	78	303	48	None	16.1	.0130	.0511	1	N. B.	1000	20	B.	Coli present in 10cc
5-23-16											N. B.	4000	150	B.	Coli present in 5cc
6-6-16											N. B.	100	60	B.	Coli present in 10cc
6-20-16											N. B.	1000	60	B.	Coli absent in 10cc
7-16-15	Clear	171	36	135	33	.001	.600	.0143	.1183	3	Bl.	120	50	B.	Coli absent in 10cc
7-30-15	Clear	167	34	133	33.5	Trace	Trace	.0507	.2288	2	Bl.	50	40	B.	Coli absent in 10cc
8-26-15	Clear	153	37	119	36	Trace	Trace	.0247	.1591	2	Bl.	80	70	B.	Coli absent in 10cc
9-29-15	Turbid	189	40	159	37	None	Trace	.0143	.1664	2	B.	1000	80	B.	Coli absent in 10cc
10-29-15	Clear	182	40	142	38	None	.250	.0728	.1755	3	Bl.	150	100	B.	Coli absent in 10cc
11-22-15	Clear	181	35	146	36.7	.0015	Trace	.0715	.1833	2	Bl.	1000	700	B.	Coli present in 10cc
12-22-15	Clear	253	16	237	29	Trace	Trace	.0169	.1157	2	Bl.	140	30	B.	Coli present in 10cc
1-13-16	Turbid, bad	275	51	224	30	Trace	.200	.0533	.0975	4	Bl.	450	250	B.	Coli present in 10cc
2-7-16	Turbid	235	62	173	33	Trace	.600	.0143	.1300	3	Bl. S.	100	100	B.	Coli present in 10cc
2-24-16		221	28	193	22	Trace	.700	.0156	.0936	2	Bl.	36	20	B.	Coli absent in 10cc
3-14-16		215	40	175	22	None	.700	.0455	0.1235	2	Bl.	20	14	B.	Coli absent in 10cc
3-29-16		220	31	199	22	Trace	1.000	.0391	.0637	1	Bl.	80	50	B.	Coli absent in 10cc
4-18-16	Slightly turbid	209	31	178	22	None	Trace	.0333	.1146	2	B.	90	40	B.	Coli absent in 10cc
5-3-16	Clear	175	35	140	32	.0005	Trace	.1170	.1820	3	B.	63	100	B.	Coli absent in 10cc
6-6-16												110	80	B.	Coli present in 10cc
6-20-16												16	10	B.	Coli absent in 10cc
												150	48	B.	Coli absent in 10cc

TABLE 19—Continued  
STADIUM—FISCAL YEAR 1915-1916.

Date Received.....	Color.....	Total Solids.....	Loss Ignition.....	Fixed Residue.....	Chlorine.....	Nitrogen as				Oxygen Con- sumed.....	On Ignition.....	Bacteria Per CC Agar Room Temp.....	Bacteria Per CC Agar 37o.....	REMARKS.
						Nitrites.....	Nitrates.....	Free Am- monia.....	Albuminoid Ammonia..					
7-15-15	Turbid	433	95	338	79	.006	1.200	.0546	.2262	4	Bl.	200	40 B.	Coli absent in 10cc
7-29-15	Clear	422	83	339	77	Trace	1.200	.046	.260	3	Bl.	50	40 B.	Coli present in 5cc
8-26-15	Clear	243	100	143	69	.264	1.05	.0988	.546	7	Bl.	100	220 B.	Coli absent in 10cc
9-29-15	Turbid	429	80	349	75	.140	.300	.0429	.1586	2	B. S.	320	100 B.	Coli absent in 10cc
10-29-15	Clear	378	101	277	65	None	1.100	.1001	.0780	1	B. S.	300	300 B.	Coli absent in 10cc
10-29-15	Turbid	380	98	282	68	.0005	None	.0429	.0988	2	Bl.	3000	1500 B.	Coli absent in 10cc
11-22-15	Turbid	397	110	287	70	Trace	Trace	1.300	.1235	2	Bl.	6	10 B.	Coli absent in 10cc
11-22-15	Turbid	402	112	290	70	None	Trace	.2001	.1625	3	Bl.	4	40 B.	Coli present in 10cc
1-13-16	Clear	378	80	292	72	None	None	.2000	.1196	2	Bl.	800	100 B.	Coli present in 10cc
2-8-16	Clear	378	85	296	58	Trace	None	.312	.182	2	Bl.	50	30 B.	Coli absent in 10cc
2-24-16	Turbid, yellowish	381	86	296	58	Trace	None	.3380	.1430	2	Bl.	60	40 B.	Coli absent in 10cc
3-13-16	Turbid	289	64	225	53	None	None	.559	.221	3	Bl.	16	10 B.	Coli absent in 10cc
4-18-16	Clear	240	61	179	37	.002	Trace	.0466	.3666	3	B.	82	30 B.	Coli present in 10cc
5-4-16	Clear	410	95	315	75	None	Trace	.0520	.1430	5.0	B.	2000	40 B.	Coli present in 10cc
5-23-16	Clear	426	86	340	81	None	Trace			2	B.	5000	2000 B.	Coli absent in 10cc
6-5-16												32	10 B.	Coli absent in 10cc
6-20-16												200	80 B.	Coli absent in 10cc

PUMP STATION—FISCAL YEAR 1915-1916.

7-16-15	Turbid	456	165	291	50		9.900	.0026	.0702	1	N. B.	5000	2400 B.	Coli present in 5cc
7-29-15	Clear	402	161	241	49	.010	11.460	.018	.012	1	Bl. Bl.	400	240 B.	Coli present in 1cc
8-26-15	Clear	450	97	353	55	.004	.090	.0117	.0351	1	N. B.	100	100 B.	Coli present in 1cc
9-29-15	Clear	389	91	298	49	.008	9.700	.032	.0845	4	N. B.	1200	100 B.	Coli present in 10cc
10-29-15	Clear	443	131	312	49	Trace	12.00	.0325	.1690	1	N. B.	350	300 B.	Coli absent in 10cc



TABLE 19—Continued  
MURPHY'S WINDMILL—FISCAL YEAR 1915-1916.

Date Received.....	Color.....	Total Solids.....	Loss Ignition.....	Fixed Residue.....	Chlorine.....	Nitrogen as				Oxygen Con- sumed.....	On Ignition.....	Bacteria Per CC Agar Room Temp.....	Bacteria Per CC Agar 37o.....	REMARKS.	
						Nitrites.....	Nitrates.....	Free Am- monia.....	Albuminoid Ammonia.....						
7-15-15		462	101	361	78	.001	1.700	.0429	.091	2	Bl.	50	44	Bl.	Coli absent in 10cc
7-29-15		481	84	397	75	.004	.770	.062	.118	10	Bl.	40	20	Bl.	Bl. Coli absent in 10cc
8-26-15	Yellowish	490	90	400	98	.010	.560	.0991	.0884	4	Bl.	250	50	Bl.	Bl. Coli absent in 10cc
9-29-15	Clear	483	80	403	82	.014	.900	.0468	.2405	4	Bl.	1500	100	Bl.	Bl. Coli absent in 10cc
10-29-15	Turbid	524	89	435	88	None	1.700	.0078	.1469	3	Bl.	150	80	Bl.	Bl. Coli absent in 10cc
11-22-15	Clear	502	97	405	82	.002	.400	.0260	.1105	2	Bl.	10000	70	Bl.	Bl. Coli absent in 10cc
12-22-15		311	77	234	59	Trace	Trace	.0351	.1300	3	Bl.	200	10	Bl.	Bl. Coli absent in 10cc
1-13-16		320	90	230	52	Trace	Trace	.0754	.1079	3	B.	50	18	Bl.	Bl. Coli absent in 10cc
2-8-16	Turbid	274	51	223	46	Trace	Trace	.1369	.2366	3	Bl.	12	10	Bl.	Bl. Coli absent in 10cc
2-23-16		260	50	210	44	.002	Trace	.1820	.1820	3	Bl.	50	8	Bl.	Bl. Coli absent in 10cc
3-13-16		502	76	426	85	.002	1.400	.4030	.1956	3	Bl.	70	20	Bl.	Bl. Coli present in 10cc
3-28-16		480	83	397	80	.002	Trace	.032	.2275	3	Bl.	300	50	Bl.	Bl. Coli present in 10cc
4-18-16	Clear	482	67	415	82	.0010	Trace	.0393	.1573	3.0	B.	58	40	Bl.	Bl. Coli present in 10cc
5-4-16	Clear	408	86	322	85	.001	1.100	.0286	.0481	2	B.	500	100	Bl.	Bl. Coli absent in 10cc
5-23-16												120	60	Bl.	Bl. Coli absent in 10cc
6-5-16												80	20	Bl.	Bl. Coli absent in 10cc
6-20-16												50	20	Bl.	Bl. Coli absent in 10cc

TABLE 20  
ANNUAL REPORT—DIVISION MARKET INSPECTION  
INSPECTIONS

	Total	1915												1916					
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	Jan.	Feb.	Mar.	April	May	June
Abattoirs .....	4401	368	361	371	309	351	377	388	332	410	380	402	352	388	332	410	380	402	352
Markets .....	9409	738	493	844	624	556	928	1068	1144	643	725	684	982	1068	1144	643	725	684	982
Wharves .....	5435	510	426	452	521	439	411	359	420	512	476	430	470	359	420	512	476	430	470
Railroad Depots .....	641	52	48	52	69	53	53	47	50	56	50	50	75	47	50	56	50	50	75
Commission Houses .....	1913	128	130	111	107	202	331	141	148	165	144	131	175	141	148	165	144	131	175
Chinatown .....	1557	140	165	135	150	105	100	142	105	140	120	90	165	142	105	140	120	90	165
<b>Total</b> .....	<b>23356</b>	<b>1926</b>	<b>1623</b>	<b>1965</b>	<b>1771</b>	<b>1702</b>	<b>2200</b>	<b>2145</b>	<b>2208</b>	<b>1926</b>	<b>1895</b>	<b>1796</b>	<b>2199</b>	<b>2145</b>	<b>2208</b>	<b>1926</b>	<b>1895</b>	<b>1796</b>	<b>2199</b>
<b>Fish (lbs.)</b> .....	<b>8335000</b>	<b>980000</b>	<b>775000</b>	<b>960000</b>	<b>950000</b>	<b>670000</b>	<b>526000</b>	<b>353000</b>	<b>509000</b>	<b>406000</b>	<b>706000</b>	<b>585000</b>	<b>965000</b>	<b>353000</b>	<b>509000</b>	<b>406000</b>	<b>706000</b>	<b>585000</b>	<b>965000</b>
Beeves .....	78360	5931	7648	6962	6923	7130	6718	6151	6315	6507	5928	5598	6549	6151	6315	6507	5928	5598	6549
Calves .....	68628	3552	4278	9644	5438	5750	5312	5643	6112	6846	5648	5431	5034	5643	6112	6846	5648	5431	5034
Hogs .....	141607	11445	12844	12136	11873	13732	15194	11595	10440	10402	10151	11456	10339	11595	10440	10402	10151	11456	10339
Sheep .....	141766	10756	10956	9954	11509	14558	11866	12849	11729	14779	9949	12086	10775	12849	11729	14779	9949	12086	10775
Lambs .....	395788	31683	37785	40587	38921	33144	26689	30692	28823	29821	32659	34816	30666	30692	28823	29821	32659	34816	30666
Poultry .....	3946946	206350	310270	372000	281550	749001	441601	203800	239850	187950	252475	273821	413325	203800	239850	187950	252475	273821	413325
<b>Total</b> .....	<b>3108145</b>	<b>1198719</b>	<b>1158781</b>	<b>1411283</b>	<b>1306214</b>	<b>1493315</b>	<b>1033850</b>	<b>623690</b>	<b>812269</b>	<b>671785</b>	<b>1022410</b>	<b>928211</b>	<b>1447988</b>	<b>623690</b>	<b>812269</b>	<b>671785</b>	<b>1022410</b>	<b>928211</b>	<b>1447988</b>

TABLE 20—Continued.

## CONDEMNATIONS AND SEIZURES

	Total	1915						1916					
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
Fish (lbs.)	108692	19215	50	10470	12275	12361	3180	5775	4396	11185	9810	23155	
Beef (lbs.)	71864	5983	6526	6640	3781	15455	3	2384	2255	4507	11009	5136	
Calves	4464	11	16	31	9	3	83	93	104	41	164	22	
Sheep	910	98	46	88	167	35	128	2	40	30	42	71	
Lambs	51	16	3	3	3	2	2	11	3	3	4	5	
Hogs	770	104	59	40	40	45	106	59	60	53	77	68	
Beef Heads	669	42	99	86	61	92	37	20	32	34	57	77	
Calves Heads	480	448	423	399	443	474	464	353	379	366	627	535	
Hog Heads	8631	750	3418	423	399	443	4139	4133	3717	4061	4716	4441	
Livers	43981	4179	3310	3373	3817	3	3	3	8	78	28	67	
Beef Tongues	185	1	2	2	2	2	2	3	1	5	71	74	
Hearts	156		2561			35	870	3	3	5	5	28	
Pork (lbs.)	4172	407	74	514	702	888	293	700	1665	233	423	624	
Chickens	7653					45	158	22	653	666	501	17	
Turkeys	939					20	20	11	91	1	32	158	
Hare	268	454	704	242	232	150	20	11	91	174	32	158	
Ducks	136			15	8	14	5	8	30	4	4	24	
Geese													
Total	2519734	31263	14004	21865	21058	33349	8583	14720	13408	10463	21249	275464	34465

TABLE 20—Continued.  
ANNUAL REPORT DIVISION OF MARKET INSPECTION.  
CATTLE SLAUGHTERED FOR HUMAN CONSUMPTION.

Month	Source of Supply	Totals	Beeves	Calves	Sheep	Lambs	Hogs	Goats
1915 July.....	{ Butchertown...	60509	5931	842	10731	31660	11343	2
	{ Outside.....	18727	2504	3199	4882	6712	1430	
	{ Total.....	79236	8435	4041	15613	38372	12773	2
August.....	{ Butchertown...	69950	7648	1016	10956	37785	12545	
	{ Outside.....	18141	2874	3480	1133	9481	1173	
	{ Total.....	88091	10522	4496	12089	47266	13718	
September..	{ Butchertown..	70059	6962	668	9954	40587	11888	
	{ Outside.....	18871	2524	4626	1133	9481	1107	
	{ Total.....	88930	9486	5294	11087	50068	12995	
October.....	{ Butchertown..	72136	6923	2848	11509	38921	11834	101
	{ Outside.....	17587	2345	3011	1687	9012	1532	
	{ Total.....	89723	9268	5859	13196	47933	13366	101
November..	{ Butchertown..	68823	7120	658	14558	33144	13343	
	{ Outside.....	16474	2215	5444	2104	4893	1818	
	{ Total.....	85297	9335	6102	16662	38037	15161	
December..	{ Butchertown..	60531	6718	453	11866	26689	14805	
	{ Outside.....	20778	2467	5231	5539	5014	2527	
	{ Total.....	81309	9185	5684	17405	31703	17332	
1916 January.....	{ Butchertown...}	64378	6151	3079	12849	30692	11488	119
	{ Outside.....	12975	2032	2699	2200	3987	2057	
	{ Total.....	77353	8183	5778	15049	34679	13545	119
February...	{ Butchertown...}	55684	6306	223	11729	27048	10378	
	{ Outside.....	18990	1863	6113	2710	6536	1768	
	{ Total.....	74674	8169	6336	14439	33584	12146	
March.....	{ Butchertown...}	61296	6507	394	16007	26914	11469	5
	{ Outside.....	19768	2118	6589	2739	6092	2230	
	{ Total.....	81064	8625	6983	18746	33006	13699	5
April.....	{ Butchertown...}	59204	5928	602	9946	32661	10067	
	{ Outside.....	15914	1710	5392	2283	5125	1338	66
	{ Total.....	75118	7638	5994	12229	37786	11405	66
May.....	{ Butchertown...}	65510	5598	1630	12086	34794	11402	
	{ Outside.....	14342	1610	4138	2006	5245	1339	4
	{ Total.....	19852	7208	5768	14092	40039	12741	4
June.....	{ Butchertown...}	61032	6549	2705	10773	30666	10337	2
	{ Outside.....	12326	1690	2736	1443	5029	1428	
	{ Total.....	73358	8239	5441	12216	35695	11765	2
Totals	{ Butchertown...}	769112	78341	15118	142964	391561	140899	229
	{ Outside.....	204893	25952	52658	29859	76607	19747	70
	{ Total.....	974005	104293	67776	172823	468168	160646	299

TABLE 21.  
ANNUAL REPORT, DIVISION OF SANITARY INSPECTION.

NUISANCES	Totals	1915							1916				
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June
Complaints unabated at last report	38	1	1		3	4	8	4	2	5	2	5	3
Complaints filed during month.....	186	10	14	24	31	26	10	12	12	10	13	11	13
Total.....	224	11	15	24	34	30	18	16	14	15	15	16	16
Complaints abated.....	151	9	11	15	21	16	12	12	7	12	10	12	14
No cause.....	13		2		2	3	2	1	1	1		1	
Referred to other departments.....	19	1	2	6	4	3	3	1	1	1	1	1	
Unabated.....	30	1	2	3	4	8	4	2	5	2	5	3	2
Total.....	222	11	15	24	31	30	18	16	14	15	16	16	16
Number of first inspections.....	192	11	14	24	31	26	16	9	10	11	13	12	15
Number of re-inspections.....	5207	431	374	412	381	329	504	504	417	449	515	510	381
Special inspections.....	4127	332	230	296	293	365	340	331	384	461	337	365	333
Communicable Diseases.....	6476	239	191	215	313	466	426	674	888	1232	666	742	424
Total number of inspections.....	16002	1013	869	947	1018	1186	1286	1518	1699	2153	1531	1629	1153



TABLE 22.  
DIVISION OF INDUSTRIAL INSPECTION.

Class of Premises Inspected	Total inspections	Inspections made on sanitary premises	Premises found insanitary	Insanitary Premises Reinspected	Referred to other Departments	First notices	Last notices	Abated
Bakeries.....	1427	602	825		147	825	24	141
Bath Houses.....	33	26	7		11	1	2	5
Candy Factories.....	498	123	375	52	340	14	18	36
Cigar Factories.....	66	58	8	12		4	3	5
Dry Goods and General Merchandise Stores.....	179	100	79	59			59	74
Garment and Shoe Factories.....	171	115	56	48	1	43		45
Laundries.....	338	664	274	112	183	24	12	49
Meat Markets.....	266	102	164	35	147	7		28
Nickelodeons.....	668	621	47	32		41	2	27
Printing and Bookbinding Shops.....	51	25	26	26		26		25
Restaurants.....	47	14	33	29	8		11	9
Tailor Shops.....	78	30	48	43			5	9
Maternity Hospitals.....	17	17					34	44
Midwives.....	22	22						
Institutions.....	7	7						
Work Shops.....	38	26	12					
Miscellaneous.....	859	412	447	204	171	188	25	133
Insanitary Homes Visited.....	101		101					
Homes for Children.....	362	327	35	16	5	10	3	11
Scavenger Wagons, Swill Wagons, Manure Wagons.....	442							
Totals.....	6270	3291	2537	668	1013	1233	198	632

TABLE 23

## DIVISION OF HOUSING INSPECTION, FISCAL YEAR 1915-1916

## INSPECTIONS.

## Tenement Houses—

New Buildings:		
First Inspections .....	367	
Reinspections .....	914	
Old Buildings:		
First Inspections .....	261	
Reinspections .....	176	
Total .....		1,518
Flats and Houses.....		256
Co-inspections .....		19
Hotels and Lodging Houses—		
New Buildings:		
First Inspections .....	27	
Reinspections .....	50	
Old Buildings:		
First Inspections .....	255	
Reinspections .....	739	
Total .....		1,771
Business Visits .....		374
Grand Total .....		3,938

## VIOLATIONS.

	Discovered		Abated		Unabated	
	New	Old	New	Old	New	Old
Cellars .....	5	38	5	37		1
Basements .....	16	35	16	23		12
Yards .....	3	41	3	38		3
Passages .....	6	11	6	10		1
Courts .....	6	55	6	46		9
Vent Shafts .....	15		15			
Stairs .....	7	4	7	2		2
Public Halls .....		1		1		
Rooms .....	4	538	2	342		198
Windows .....		48		48		
Skylights .....		31		24		7
Roofs .....		19		19		
Fire Escapes .....	7	8	7	8		
Sinks .....	85	184	85	149		35
Toilets .....	26	261	26	256		5
Baths .....		47		47		
Garbage Disposal .....	4	31	4	30		1
Sanitation .....		145		145		
Closets .....	11		11			
Occupied without permit.....	22	70	18	70	4	
Total .....	217	1,567	211	1,295	4	274

TABLE 23—Continued

## SANITATION STATEMENT.

## Structural—

Recommended for Condemnation.....	8
Tenement Houses Condemned.....	4
Buildings Demolished .....	8
Buildings Remodeled .....	6
Permits of Occupancy Issued.....	283
Permits of Occupancy Renewed.....	47

## Plans—

Inspected and Approved (New).....	76
Inspected and Approved (Old).....	5
Rejected .....	4

Total .....85

## Arrests—

Arrested During Year .....	1
Favorable Court Action .....	1

Complaints received ..... 48

TABLE 24  
DIVISION OF PLUMBING INSPECTION.

	1916												
	Totals	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June
<b>Inspection</b>													
<b>Construction.</b>													
In Construction .....	3857	328	276	396	391	352	338	230	313	333	353	302	245
On Completion .....	2062	160	143	213	187	208	212	168	182	159	166	174	140
On Work Granted by Permit .....	2854	132	117	184	173	217	216	237	279	345	380	271	303
Reinspections.....	5127	270	344	410	358	416	446	451	439	555	543	441	424
<b>Total .....</b>	<b>13900</b>	<b>890</b>	<b>880</b>	<b>1263</b>	<b>1109</b>	<b>1223</b>	<b>1212</b>	<b>1086</b>	<b>1163</b>	<b>1392</b>	<b>1442</b>	<b>1188</b>	<b>1112</b>
<b>Sewers.</b>													
Inspected .....	3850	328	276	396	391	352	288	214	313	333	378	315	266
Cast Iron (feet) .....	364152	33280	29670	36780	34490	31190	25470	22370	27520	27040	31021	29880	32441
Iron Stone (feet) .....	135734	12420	12730	12500	10820	10850	11981	8210	9881	10640	12282	11971	11549
Curb Traps .....	2373	155	163	217	246	246	207	185	149	232	228	166	179
<b>Total .....</b>	<b>4689</b>	<b>280</b>	<b>358</b>	<b>414</b>	<b>425</b>	<b>341</b>	<b>411</b>	<b>363</b>	<b>350</b>	<b>461</b>	<b>473</b>	<b>366</b>	<b>448</b>
<b>Nuisances.</b>													
First Inspection .....	1796	124	126	176	151	131	129	133	149	158	188	126	135
Reinspection .....	2973	165	232	238	274	210	282	230	201	303	285	240	313
<b>Total .....</b>	<b>4689</b>	<b>280</b>	<b>358</b>	<b>414</b>	<b>425</b>	<b>341</b>	<b>411</b>	<b>363</b>	<b>350</b>	<b>461</b>	<b>473</b>	<b>366</b>	<b>448</b>
<b>Unabated at Last Report.</b>													
Received During Month.....	1506	97	82	72	132	137	102	106	116	156	147	178	181
<b>Total .....</b>	<b>3330</b>	<b>234</b>	<b>216</b>	<b>263</b>	<b>292</b>	<b>284</b>	<b>236</b>	<b>248</b>	<b>263</b>	<b>328</b>	<b>337</b>	<b>313</b>	<b>316</b>
<b>Abated</b>													
Referred to other Departments.....	1601	138	131	122	146	123	124	124	110	168	153	126	136
No Cause .....	57	1	5	2	4	17	3	3	3	6	5	1	8
Remaining Unabated .....	1416	13	8	7	39	44	3	5	4	6	1	8	8
<b>Total .....</b>	<b>1539</b>	<b>82</b>	<b>72</b>	<b>132</b>	<b>103</b>	<b>100</b>	<b>108</b>	<b>116</b>	<b>156</b>	<b>147</b>	<b>178</b>	<b>181</b>	<b>164</b>
<b>Notices.</b>													
First Notices .....	1696	119	122	181	155	131	125	125	108	158	207	122	143
Last Notices .....	589	50	43	43	60	34	36	51	42	54	63	61	52
<b>Total .....</b>	<b>2285</b>	<b>169</b>	<b>165</b>	<b>224</b>	<b>215</b>	<b>165</b>	<b>161</b>	<b>176</b>	<b>150</b>	<b>212</b>	<b>270</b>	<b>183</b>	<b>195</b>

TABLE 24—Continued.  
NEW FIXTURES INSTALLED IN OLD BUILDINGS.

	1915							1916				
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
<b>Totals</b>												
Water Closets .....	110	59	69	91	115	56	170	123	168	167	351	122
Basins .....	197	78	51	66	128	45	257	161	121	382	520	117
Bath Tubs.....	934	45	22	46	56	46	97	77	79	73	269	77
Sinks .....	938	46	42	47	79	48	72	87	123	127	109	108
Wash Trays .....	443	19	15	27	38	29	30	45	55	42	55	51
Urinals .....	185	8	6	13	24	10	23	8	13	20	41	13
Stop Hoppers .....	123	4	6	9	4	5	15	8	25	16	16	7
Grease Traps .....	34	4	3	4	5	7	5	2	1	1	0	1
Cesspools .....	122	9	3	8	11	7	8	19	17	10	18	7
Sewers .....	269	15	10	27	28	27	19	20	15	16	26	48
<b>Total.....</b>	<b>338</b>	<b>217</b>	<b>311</b>	<b>339</b>	<b>488</b>	<b>280</b>	<b>696</b>	<b>550</b>	<b>617</b>	<b>854</b>	<b>1405</b>	<b>551</b>

Number of plans submitted.....1,579      Number of buildings represented.....1,867

Permits granted for repair work.....1,082

TABLE 24—Continued.  
ANNUAL REPORT, EXAMINATION FOR MASTER PLUMBER.

Date of Examination.	PLAN.			Date of Examination.	Number Examined...	QUESTION	
	Applications Filed.....	Number Examined...	Results Passed..... Failed.....			Number Examined...	Results Passed..... Failed.....
1915—July.....	6	6	2	1915—July.....	2	1	1
August.....	5	5	4	August.....	4	2	2
September.....	3	3	0	September.....	0	0	0
October.....	2	2	0	October.....	0	0	0
November.....	3	3	0	November.....	0	0	0
December.....	8	8	5	December.....	3	1	2
1916—January.....	4	4	3	1916—January.....	1	1	0
February.....	2	2	2	February.....	2	2	0
March.....	4	4	4	March.....	0	0	0
April.....	5	5	3	April.....	3	2	1
May.....	4	4	4	May.....	3	3	0
June.....	1	1	1	June.....	1	0	1
Total.....	47	46	25	Total.....	19	12	7

Total passing both examinations and qualifying, 12.

TABLE 25  
BOARD ACTIONS ON INSANITARY PREMISES, 1915-1916.

Month	New Cases Brought Before the Board	Re-hearings	Total	Condemned During Year	Results Obtained on all Condemnations						Total	
					Cases Abated			Structures Demolished				
					By Repair	By Demolition	By Vacation	Total	Shacks	Stables		Other Structures
1915—												
July .....	5	6	11	5								
August .....			49	10								
September .....	12	37	49	11								
October .....	16	22	38	11								
November .....	10	12	22	12	10	15	2	27				94
December .....	10	2	12	8								
1916—												
January .....	15	22	37	9	5	11		16	5	3	8	24
February .....	13	23	35	15	2	10		10	3	4	3	10
March .....	20	27	47	12		7		9	2	3	2	7
April .....	13	16	29	9								
May .....	14	14	28	14	13	26		39	5	6	38	49
June .....	5	8	13	4								
Total .....	133	188	321	109	30	69	2	101	15	16	153	184

TABLE 25—Continued.

**TABULATED REPORT OF THE EXPENDITURES IN THE WORK OF SPECIAL SANITATION DURING THE FISCAL YEAR  
1915-1916 OF FUNDS APPROPRIATED FOR THIS WORK IN CONJUNCTION WITH THE UNITED STATES PUBLIC HEALTH SERVICE.**

	1915												Total	
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		
Headquarters.....	72.50	73.00	73.50	65.00	74.10	73.70	65.00	65.00	65.00	65.00	65.00	65.00	35.00	791.80
Field Service .....	574.58	573.90	588.50	563.44	575.90	588.41	626.38	578.00	608.90	522.76	611.33	580.95	7023.11	
Laboratory .....	65.73	67.46	173.58	93.68	173.74	63.95	32.18	56.74	92.79	71.91	121.30	87.73	1106.79	
Printing & Stationery.....		3.97	1.98	10.35	26.77	38.33	8.89	2.00	17.98	21.06	9.07		144.09	
Rat Traps and Bait, etc. ....	29.70	20.88	4.20	11.26	12.57	39.42	21.32	13.63	20.71	164.50			173.09	
Special Purposes .....	75.00	75.00	75.00	75.00				75.00					144.42	758.92
	817.51	814.21	916.76	824.73	863.08	804.44	753.77	789.77	880.38	878.23	806.73	848.10	9997.71	

\* Does not include the sum of \$25,000 spent by the United States Government in co-operation with the Municipal Board of Health.



TABLE 26

STATEMENT OF TRANSCRIPTS ISSUED AND FEES COLLECTED IN THE DEPARTMENT OF PUBLIC HEALTH FOR  
THE FISCAL YEAR 1915-1916

TRANSCRIPTS ISSUED	July		August		September		October		November		December	
	No.	Fee	No.	Fee	No.	Fee	No.	Fee	No.	Fee	No.	Fee
Certified Copies Birth (at 75c each).....	32	\$24.00	48	\$36.00	40	\$30.00	56	\$42.00	41	\$30.75	38	\$28.50
Same—For pension purposes, etc. (no charge)												
Certified Copies Death (at 75c each).....	71	53.25	61	45.75	67	50.25	76	57.00	70	52.50	108	81.00
Same—For pension purposes, etc. (no charge)	4		5		3				5		10	
Permits for Removal of Bodies and Ashes.....	24		59		28		45		53		41	
Same—(At \$10.00 each).....	1	10.00		10.00	1	10.00	1	12.00	1	10.00		
Miscellaneous Fees .....												
<b>Totals</b> .....	132	\$87.25	173	\$91.75	139	\$90.25	178	\$121.00	170	\$93.25	197	\$109.50

TRANSCRIPTS ISSUED	January		February		March		April		May		June	
	No.	Fee	No.	Fee	No.	Fee	No.	Fee	No.	Fee	No.	Fee
Certified Copies Birth (at 75c each).....	40	\$30.00	52	\$39.00	47	\$35.25	74	\$55.50	39	\$29.25	66	\$49.50
Same—For pension purposes, etc. (no charge)												
Certified Copies Death (at 75c each).....	78	58.50	108	81.00	77	57.75	64	48.00	70	52.50	78	58.50
Same—For pension purposes, etc. (no charge)	2		11		4		7				2	
Permits for Removal of Bodies and Ashes.....	29		38		55		43		53		46	
Same—(At \$10.00 each).....	3	30.00			1	10.00						
Miscellaneous Fees .....		1.00				123.20				13.50		
<b>Totals</b> .....	152	119.50	209	\$120.00	184	\$226.20	188	\$103.50	162	\$45.25	192	\$108.00

TABLE 26—Continued

## TOTAL TRANSCRIPTS ISSUED.

Certified Copies Birth (at 75c each).....	573	429.75
Same—For pension purposes, etc. (no charge).....	0	
Certified Copies Death (at 75c each).....	928	696.00
Same—For pension purposes, etc. (no charge).....	53	
Permits for Removal of Bodies and Ashes.....	514	
Same—(At \$10.00 each).....	8	80.00
Miscellaneous Fees .....		159.70
	<hr/>	<hr/>
Totals .....	2,076	1,365.45

TABLE 26—Continued.

## PERMITS AND CERTIFICATES ISSUED.

	Totals	1915						1916							
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June		
		Bath Houses .....	0	0	0	0	0	0	0	0	0	0	0	0	0
Cigar Factories .....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Homes for Children .....	193	8	7	19	8	13	14	10	23	22	21	1	4	28	20
Hotels and Lodging Houses .....	24	0	0	0	0	0	0	0	0	1	1	1	1	4	18
Laundries .....	8	0	0	0	0	0	0	0	0	5	0	0	0	1	0
Laundry Plumbers .....	284	134	79	5	2	20	23	8	4	9	9	0	0	0	0
Maternity Hospitals .....	9	0	1	0	2	2	1	1	1	1	0	0	0	0	0
Milk .....	144	7	7	7	16	17	8	1	14	5	4	1	1	4	14
School Attendance .....	3685	143	175	96	142	255	263	280	560	635	563	61	18	61	509
Tenement Houses .....	262	19	19	8	7	17	13	19	13	26	23	23	62	2	46
Wagons, Scavenger, Swill, Manure .....	442	4	3	0	2	0	0	312	76	43	2	2	0	0	0
Bakeries .....	61	4	9	3	8	2	6	7	5	9	9	2	4	4	2
Restaurants .....	423	25	47	28	47	26	36	39	40	42	23	2	41	29	29
Miscellaneous .....	809	51	93	48	87	36	73	54	88	93	49	49	87	50	50
<b>Totals .....</b>	<b>6344</b>	<b>384</b>	<b>440</b>	<b>214</b>	<b>321</b>	<b>388</b>	<b>437</b>	<b>758</b>	<b>826</b>	<b>891</b>	<b>688</b>	<b>309</b>	<b>688</b>	<b>309</b>	<b>688</b>



TABLE 28

## EMERGENCY HOSPITALS.

ALANSON WEEKS, M. D., CHIEF SURGEON.

REPORT OF CASES RECEIVED AND TREATED DURING FISCAL YEAR  
1915-1916.

During the past fiscal year a total of 33,045 patients were treated in the various Emergency hospitals, (not including the Mission Emergency Hospital) which shows an increase of 6,898 over the number of patients treated last year.

The Central Emergency Hospital treated 18,033 patients, and this is an increase of 3,851 patients, and responded to 3,034 ambulance calls; the Harbor Hospital treated 8,217 patients, an increase of 1,022 patients, and responded to 2,379 ambulance calls; the Potrero Hospital treated 3,161 patients, an increase of 906 patients, and responded to 610 ambulance calls; the Park Hospital treated 3,628 patients, an increase of 1,119 patients, and responded to 1,588 ambulance calls. The Insane Detention Hospital admitted 1,348 patients, of which 1,055 were committed to State Hospitals.

## CENTRAL HOSPITAL.

Total number of surgical cases treated.....	11,209
Total number of medical cases treated.....	6,824

Grand total .....	18,033
Total number of emergency ambulance calls.....	2,890
Total number of transfer ambulance calls.....	244

Grand total .....	3,034
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## HARBOR HOSPITAL.

Total number of surgical cases treated.....	6,970
Total number of medical cases treated.....	1,247

Grand total .....	8,217
Total number of emergency ambulance calls.....	1,927
Total number of transfer ambulance calls.....	452

Grand total .....	2,379
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## POTRERO HOSPITAL.

Total number of surgical cases treated.....	2,929
Total number of medical cases treated.....	232

Grand total .....	3,161
Total number of emergency ambulance calls.....	490
Total number of transfer ambulance calls.....	120

Grand total .....	610
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## PARK HOSPITAL.

Total number of surgical cases treated.....	3,248
Total number of medical cases treated.....	380

Grand total .....	3,628
Total number of emergency ambulance calls.....	1,059
Total number of transfer ambulance calls.....	529

Grand total .....	1,588
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## BOARD OF HEALTH

TABLE 28—Continued

## INSANE DETENTION HOSPITAL.

Total number of patients admitted to Detention Hospital.....	1,348
Grand total number of cases treated during fiscal year 1915-1916.....	34,393
Grand total number of emergency ambulance calls fiscal year 1915-1916....	7,611

## FINANCIAL STATEMENT

## EMERGENCY HOSPITALS FOR THE FISCAL YEAR 1915-1916.

Appropriation for salaries.....	\$68,052.00
Expenditure for salaries.....	68,035.35
Surplus .....	\$ 16.65
Appropriation for maintenance.....	14,335.00
Expenditures for maintenance.....	14,211.57
Surplus .....	\$ 123.43

## ITEMIZED STATEMENT FOR MAINTENANCE

1. Subsistence .....	2,646.31
2. Surgical and medical supplies.....	2,806.14
3. Surgical instruments, appliances and repairs.....	669.82
4. Motor ambulances (5) and garage supplies.....	2,717.49
5. Linen and blankets .....	1,321.72
6. Bedding .....	178.50
7. Sick room furniture .....	219.60
8. Laundry .....	1,196.46
9. Scavenger service .....	120.00
10. Office furniture and linoleum.....	186.73
11. Miscellaneous .....	1,542.32
12. Fuel gas .....	606.48
Total .....	\$14,211.57

## ADDITIONAL EXPENDITURE PAID OUT OF SPECIAL FUNDS.

Electricity .....	\$ 757.53
Water .....	433.58
Stationery .....	530.96
Postage Stamps .....	45.00
Total .....	\$ 1,767.07

TABLE 29  
 SAN FRANCISCO HOSPITAL,  
 STATEMENT OF PATIENTS ADMITTED, DISCHARGED AND DIED, FISCAL YEAR 1915-16.

	1915												1916			Total
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June				
	Admitted .....	558	344	367	381	391	414	410	433	454	479	494	466	5221		
Born .....	6	8	16	5	19	16	7	24	12	17	18	11	159			
Discharged .....	88	96	123	125	126	164	115	120	150	141	144	157	1549			
Improved .....	139	182	172	139	193	151	156	182	208	202	225	272	2171			
Unimproved .....	35	28	20	14	31	21	25	23	29	27	36	30	319			
Own Request .....	16									1			18			
Refused treatment .....			1	1	1	2	3	2	1	1	1		12			
Removed by Relatives or Friends .....													1			
Insubordination .....			1	1	2	5	2	1	1	4			13			
To Insanity Commission .....	2	1	1	1	2	3	1	2	3	5	1	3	23			
To Relief Home .....			32	14	20	12	8	2	20	17	7	7	138			
To Isolation Hospital .....			2	1	1	5	2	1	16	6	2	2	44			
Died .....	64	77	50	47	66	87	90	80	75	69	75	54	834			

DAILY AVERAGE NUMBER OF PATIENTS

July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June
514.9	560.38	554	587.61	580.16	592.29	585.06	628.31	613.8	622.1	647.74	618.6

Number patients remaining in hospital July 1, 1915..... 557  
 Admitted during the year..... 5160

Died and discharged during year.....  
 Remaining June 30, 1916.....

NOTE.—This table includes cases received and treated at the Tuberculosis Hospital, which were formerly shown in Table No. 30, now eliminated.

TABLE 29—Continued

## SAN FRANCISCO HOSPITAL—COST OF MAINTENANCE, 1915-1916.

## EXPENDITURES.

Food supplies purchased.....	\$ 99,721.74	
Clothing and Dry Goods.....	15,731.18	
Fuel .....	11,807.10	
Light .....	1,448.01	
Water .....	6,702.15	
Ordinary repairs .....	5,787.36	
Salaries .....	147,711.20	
Other expenses .....	14,376.86	
<hr/>		
Total .....		\$303,285.60

## RECEIPTS.

Received from sales.....	\$ 237.94	
Received from pay patients.....	127.50	
Other receipts .....	298.23	
<hr/>		663.67
Actual expense to county.....		\$302,621.93

Total cost per patient per day.....	\$1.40
Total cost per person per day.....	.86
Daily average number of patients treated.....	592
Daily average number of employes.....	366
Cost subsistence per patient per day.....	.29
Cost subsistence per employe per day.....	.45

Total number hospital days (including Main Group and Tuberculosis Dept.) .....	253,173*
Greatest number patients at any one time (May 19, 1916).....	671
Least number patients at any one time (Sept. 22, 1915).....	522
Percentage deaths to total number treated.....	14%

	Total number days treated	Total number cases treated	Average hospital days
1911-1912.....	104,960	3168	32
1912-1913.....	113,027	3960	28
1913-1914.....	102,646	4138	24
1914-1915.....	124,595	3261	38
1915-1916.....	253,173	5717	49

Note.—Year 1915-1916 includes complications and tuberculosis cases.

\* Main Group, 5059 cases; total days, 191,093; average stay per patient, 37 days. Tuberculosis Dept., 658 cases; total days, 62,080; average stay per patient, 94 days.



## CONSTRUCTION AND EQUIPMENT.

The new SAN FRANCISCO HOSPITAL is maintained by the City and County of San Francisco for the treatment of its sick poor. It is under the control of the Department of Public Health.

With the completion of the new general hospital at an approximate cost of three and one-half million dollars, derived from the sale of bonds, San Francisco will have one of the finest and handsomest institutions of its kind in the United States. The hospital when completed will accommodate about 1,000 patients; hence the cost per bed amounts to about \$3,500.

The late Mr. Newton J. Tharp designed the buildings and chose for the location of the main group the frontage facing Potrero Avenue, a broad avenue on which is operated the municipal car line.

The hospital is located in what is known as the "Warm Belt" of the Mission, at the edge of the most thickly populated district of the city; it is situated on a rising elevation and covers four city blocks, 866 feet long and 760 feet wide. The tuberculosis and infectious groups, at present under construction, will be situated on higher ground on the easterly portion of the property.

The buildings are so arranged that there is ample light and plenty of ventilation around each particular unit. In general, the type of construction is what is known as the corridor-pavilion, the buildings being connected by a main corridor in such manner that one can go from building to building without exposure to the elements.

The Italian renaissance style of architecture has been followed in designing the buildings, which are of the finest Class "A" fire-roof construction possible for human skill to produce. The foundations are of concrete, waterproof and under-drained. The floor and roof construction is of reinforced concrete. The flooring throughout the offices and bedrooms in the administration building and in the nurses' home is of maple; in the wards and in the bedrooms of the service building the floors are covered with battleship linoleum cemented to the concrete. The operating rooms, treatment rooms, toilets, laboratories, etc., are finished with tile and the floors of all corridors are of terrazzo. The exterior walls are of brick of rich color, laid in a very beautiful way, with terra cotta trim.

The grounds are extensive and present a park-like appearance, having been laid out by Mr. John McLaren, the well-known designer of the beautiful gardens of the Panama-Pacific International Exposition, the entire area being enclosed by an iron grill fence and lighted at night by about forty ornamental electroliers.

The interior finish has been given careful study. All angles are rounded; baseboards are finished with sanitary cove; window sills generally are of marble; all door and window frames are of wood; the doors are smooth and flush, without panels, and are painted with five coats of cream enamel paint, except in the administration building and in the nurses' home, where the doors are of quartered oak, natural finish; the plastering is of Keene's cement throughout and is covered with three coats of paint of a light buff color. The plumbing fixtures, of which there are over one thousand, are of vitreous ware; all pipes are placed in vertical pipe racks in such a manner as to be within easy reach when necessary.

Plate glass has been used in all windows, with the exception of a portion of the service building, power plant and laundry, where the panes are of sheet glass. All of the windows are covered with bronze screens.

THE MAIN GROUP consists of ten buildings, begun in 1910 and completed May 1, 1915, when it was officially opened for the reception of patients. It has accommodations for 512 patients and is so constructed that 752 beds may be provided if necessary. The main entrance is in the center of the Potrero Avenue frontage and persons entering or leaving the grounds are compelled to

pass the gate house. The approach from the main entrance to the administration building is impressive, consisting of a series of terraces and stone stairways, on either side of which are lawns and flower beds. Provision is also made for ornamental fountains.

THE ADMINISTRATION BUILDING, the central feature of the main group, is three stories high and provides accommodations for the general offices of the superintendent and his assistants on the first floor. In the main office is located the central telephone exchange and switchboard for signal service; provision is also made for fire alarm station at this location. By means of a signal board, operated in conjunction with the silent call system, the telephone operator records on a time stamp the time when the patient's call is registered and the time it is answered by the nurse. At the northerly end of the administration building, on the first floor, is a large room which is used by the visiting staff and which will also be available as a meeting place for the advisory council, committees interested in social welfare work, etc.

The two upper floors are devoted to the use of the house officers and interns. They contain recreation and general reception rooms, library and billiard room, with a liberal provision of shower baths, toilets and other conveniences. In the basement are storerooms for the storing of trunks, furniture, enamelware, electrical stores, etc., and a large fireproof vault for the safekeeping of records. A portion of this building is set aside for the accommodation of the superintendent.

THE MAIN WARD BUILDINGS, of which there are four, are six stories high. Two are located to the north and two to the south of the administration building. Each ward building contains four wards, a roof garden with penthouse and a basement. There is provision in each ward for 29 beds, there being 25 beds in the general ward, which is 110 feet long and 26 feet wide, and 2 beds in each of the two preparation wards, with a cubic air space of 1,500 feet for each patient. A special feature of the ward buildings is the sanitary tower, placed on the north side of the buildings, opposite the middle of the ward. This tower contains the toilets, baths, wash basins, utility station, clothes chute, blanket warmer, etc. It is connected with the ward by a narrow corridor in such manner as to permit of cross-ventilation between the two structures. The wards have a full southern exposure and are well ventilated by hopper transoms placed above the windows.

Each bed is placed between two windows and is furnished with a reading lamp, silent call system and an electric socket for examination lamp. Each ward is furnished with a treatment room, diet kitchen, ward dining room, laboratory, linen room, toilet, wash room and janitor's closet. At the easterly end of each ward is a large solarium, the walls being almost entirely of glass. A large terrace on the southerly side of the first floor of the ward buildings permits the wheeling of patients into the open air and sunshine. Electric passenger elevators, conveniently located, each of which is capable of carrying a bed, are arranged for operation by lever or by push button control, the change from one system to the other being effected by a throw switch in the elevator machinery room.

The Maternity ward is provided with accommodation for 25 patients, there being beds in the ward proper for 20 patients and rooms for 5. Adjacent to the ward are toilet facilities placed in a sanitary tower and nearby are two nurseries; then follow in order the first stage room, delivery room, diet kitchen, dining room, two isolation rooms, doctor's dressing room, laboratory, supply room, toilet and janitor's closet. At the easterly end is a solarium.

The children's ward has been divided by glass cubicles, 9 feet high, into four smaller units, each containing six beds, so that to a certain extent contact infection from communicable diseases will be controlled.

THE RECEIVING BUILDING, which faces 22nd St., at the northerly end of the main corridor, is five stories high in the main portion, leading from which

are three wings each three stories high. This building has been designed for a five-fold purpose:

1. To receive patients entering the hospital proper.
2. For use as an emergency department.
3. For an out-patient department.
4. As a surgical pavilion.
5. For the purpose of instructing students from the medical colleges.

On the main floor is situated the emergency department, consisting of receiving station, operating rooms, and wards; an out-patient department, consisting of reception room, treatment rooms, drug room, and rooms for social service workers; department for receiving of patients, consisting of reception rooms, examining and treatment rooms, bath rooms, two observation wards and eight isolation rooms. In this department a dental clinic has also been established.

On the second floor is the surgical pavilion, which contains besides the operation rooms, two large surgical amphitheatres, each with seating accommodations for 50 students. On this floor is also located the X-Ray department, eye, ear, nose and throat, and urological examination rooms. Accommodations are also here provide for care of patients before and after operation.

On the third floor is an amphitheater with seating accommodations for 200, with laboratories adjacent, used by the faculty of the five medical colleges affiliated with the hospital for demonstrating purposes. On this floor also are the rooms in which the dressing sterilizers are situated; thus excessive humidity on the second or operating floor is avoided. In the basement is situated the hydrotherapeutic department, which is second to none in San Francisco. It is equipped with dressing and lounging rooms; douche, steam and irrigation rooms; plunge and mechanical apparatus department. In the douche room are shower baths, steam cabinet, electric cabinet, cleaning bath, continuous bath, Nauheim bath, massage table, etc.

The ventilation in the receiving building is controlled by a double mechanical system, the plenum system; one for supply and one for exhaust, the air being drawn in through an aperture 50 feet above the ground, washed and distributed by Sturtevant fans, after proper heating, to the various operating rooms. The mechanical exhaust system of ventilation can be operated separately in different parts of the receiving building. All operating rooms are furnished with running sterile water.

The Pathological Building is located to the east of the receiving building and is a three-story structure now in process of construction. On the first floor will be the morgue, post-mortem rooms, rooms for animal experimentation and kennels in connection therewith; also a chapel. On the second floor will be accommodations for the main chemical and bacteriological laboratories, which will be operated in conjunction with the central laboratory of the department of public health.

The Service Building is located in the rear of the administration building, in the center of the main group, consequently easy of access from the other buildings. It contains the main kitchen and serving pantry, from which all food is served, for removal in food carriages to the various wards. Secondary serving pantries are between the staff dining room and nurses' dining room and between male and female help dining rooms. The drug and linen rooms are also located on the main floor of this building. The two upper floors are furnished as quarters for the male and female help. Not more than two employees sleep in each room.

In the basement provision is made for a number of general storerooms, mattress and pillow rooms, bakery and a large locker room for the accommodation of patients' clothing.

THE NURSES' HOME is situated at the extreme southerly end of the main corridor. A garden faces the south, where the nurses may enjoy themselves and be free from view of the ward buildings, as well as the public. A large lecture room, social hall, recreation rooms, library, dining room, kitchen and suites for the superintendent of nurses, assistant superintendent of nurses, etc., are on the

first floor. The two upper floors are arranged for the accommodation of 20 pupil nurses. There are not more than two nurses in a single room. Each room is furnished with built-in quartered oak closet and chiffonier, between which is a wash basin.

THE POWER PLANT is situated in the center of the hospital group, so as to give equal distribution and minimum length of steam mains, etc., and supplies all electric power and steam used throughout the buildings. The power plant consists of four 250-horsepower Heine boilers, carrying 175 pounds steam pressure, which are fired by crude oil by the Dahl system. The oil is heated to a temperature of 270 degrees Fahrenheit under a pressure of 130 pounds, which does away with the necessity of steam air atomizing. Space has been provided for another boiler, when needed.

The electric generating plant consists of four 125 kilowatt Curtis turbine-generator units, running at 2400 revolutions per minute. The generators are of the three-wire type, delivering current at 125 volts for lighting and 250 volts for power. The main switchboard is also located in the room with the generators and distributes both light and power to all of the buildings through individual feeders to each. The switchboard consists of five generator panels, namely, one main power panel one paralleling panel, which is arranged for connection to an outside source of supply, three lighting panels. Each building has a main switchboard for light and power.

All steam, hot and cold water, steam return, gas, electric and other pipes are run in a system of tunnels connecting the power house with each building. All pipes in the horizontal and vertical directions are placed so as to be within easy reach in case of the necessity of repair. Low pressure steam from turbine and pump exhaust is used for the direct radiators in all wards and buildings, except in the receiving building, where as already stated, the plenum system is used for the heating of operating rooms and amphitheatres. There are 22,000 feet of direct radiation installed in the buildings so far constructed. There is also located in the power plant a twenty-ton ammonia direct expansion refrigerating machine, with brine system of circulation to the main refrigerator in the kitchen, butcher shop and main store-rooms, which is used for cold storage and ice making. Cold storage in the wards is obtained by the use of artificial ice in refrigerators.

The hot water system is a forced circulation, the water being heated to 140 degrees by the exhaust steam. All pumps in the power plant are duplex and in duplicate, reducing the chance of a shut-down to the minimum. There are two fuel oil tanks, one for the fire room, having a capacity of 11,000 gallons, and the other for the engine, having a capacity of 1,500 gallons. Two feed water heaters and purifiers are installed in the boiler room. The boiler pumps are duplex, in duplicate, of large capacity. All machinery operated by power is electrically driven, there being forty motors installed at present. There are four hydraulic elevators, five electric elevators, and a number of electric and hand operated dumb-waiters.

THE LAUNDRY is located on the southerly side of the power plant, with which it is closely connected, in which a complete and very extensive plant is installed.

THE TIME SYSTEM is operated through a master clock in the superintendent's office, from which an electrical impulse is sent to each of the 68 electric clocks throughout the building every minute. The call signal system for doctors, nurses, and other employees is a buzzer system, operated from the telephone switchboard, buzzers being installed on each floor of every building. The silent call system from the patients' beds is operated on the 125 volt lighting circuit. Upon the patient's pressing a button in the flexible cord attached to the bed, it lights a green light over the bed, also a green light at the nurse's desk, in the ward corridor, in the diet kitchen and in the main office directly over the private

exchange board. The method of registering the silent call system is referred to above in connection with description of the administration building.

THE TELEPHONE SYSTEM consists of a private exchange equipped for 159 Bell telephones. At the present time there are but 82 installed.

THE ARTIFICIAL LIGHTING in the buildings is of the "semi-indirect" type, the lower portion of the fixture being translucent, while the major portion of the light is reflected from the ceiling.

Construction of the new TUBERCULOSIS DEPARTMENT, with capacity of 250 beds, and for the ISOLATION DEPARTMENT, with capacity of 110 beds, is now under way, and it is probable these buildings will be ready for occupancy within two years.

THE EQUIPMENT of the San Francisco Hospital has been given much attention. Every room in the hospital was first equipped on paper and then each item was totaled in the aggregate and a stock card made for each article. This card showed the rooms to which such article was to be assigned, so that as the equipment arrived at the hospital no confusion ensued. Moreover, this method furnishes a complete inventory of the hospital equipment. A committee was appointed by the board of health to equip the hospital. As the style of each article was decided upon, photographs, cuts, or designs were made so that there could be no doubt as to what the contractor was bidding upon. Further, each contractor was required to submit a sample, which samples have been retained and placed in what is known as the "sample room."

There are many features of construction, equipment and management, the description of which would be too lengthy. Suffice it to say that the standard of the hospital is such as to entitle it to be ranked as one of the leading hospitals of this country. Great credit is due the members of the board of health, especially those of the building and hospital committees, as well as the architectural commission, for the care with which they have handled this problem. It is through their efforts that San Francisco has one of the most practical as well as most beautiful municipal hospitals. It is to be hoped that this noble group of buildings will remain as a monument to the honor of those who have been privileged to be associated with its construction.

#### NURSING DEPARTMENT AND TRAINING SCHOOL.

The efficiency of the Nursing Department has been materially increased by appointment of a number of supervisors, who, in addition to having charge of the nursing of patients, are in executive control of the wards, each supervisor being responsible for two wards.

The San Francisco Hospital Training School for Nurses was established in 1890, its object being to give instruction to those desirous of learning the art of caring for the sick. The hospital offers unusual opportunities for a thorough practical experience in all departments.

#### EQUIPMENT.

The hospital affords valuable opportunities for the clinical education of nurses in all branches of nursing, special opportunities being given for social service work. Instruction is given under competent instructors in the operating rooms, class and demonstration rooms, which are equipped with all the necessary apparatus for teaching purposes. A reference library includes all modern reference and text books relative to nursing. There is also a model diet kitchen equipment for teaching preparation of foods and their application to the needs of the sick. Laboratory equipment for teaching of bacteriology, chemistry, and urinalysis is obtained from the various medical schools connected with the hospital.

#### REQUIREMENTS FOR ADMISSION

1. A complete high school education; or a two year high school course or its equivalent in a recognized school, together with two years of special study or an occupation that would be considered preparatory to the study of nursing.

2. Good physical condition. Applicants are preferred between age of twenty and thirty years, and not under average weight and height. Their teeth shall also be in good condition.

3. Candidates shall show satisfactory evidence of having been vaccinated within the year previous to entering hospital.

#### TUITION AND EXPENSES.

No charges are made for tuition. Pupils receive board, lodging, and a reasonable amount of laundry. When accepted as pupil nurses an allowance of ten dollars a month is given for the first year and twelve dollars for the second and third years, to cover cost of uniforms, books, etc.

#### VACATIONS.

Are given each pupil between June and September. A period of two weeks is allowed at end of first and second years.

#### SICKNESS.

All pupils are cared for gratuitously when ill and receive professional services of physician of the school. Time lost through illness or for any other reason must be made up.

#### EXAMINATIONS.

Both oral and written are held at stated periods. The diploma of the school is awarded to those who have completed satisfactorily the term of three years and who have passed the final examinations. Nurses are then entitled to examination for registration in this State.

#### PREPARATORY COURSE.

Applicants who are approved will be admitted for term of three months, during which time they are under direct supervision of a graduate nurse instructor, receiving daily instruction through lectures, visiting the wards occasionally, but not doing any actual nursing.

The object of this course is to provide the student with the fundamental knowledge upon which nursing depends, to prove her general fitness of disposition and temperament for the work, and to insure the teaching of correct and uniform methods.

In addition to the classes, lectures and demonstrations, held daily, the pupil is taught the simpler practical points of nursing, including care and cleanliness of wards, bath rooms and utensils, linen and other closets, serving rooms and refrigerators, serving of trays, bed-making simple and for helpless patients, ether beds, prevention of bed sores, baths for cleanliness and as therapeutic agents; enemata and douches, observation of pulse, temperature, and respiration; charting; methods of applying heat and cold; disinfection and prevention of contagion; preparation of patients for physical examination; moving of patients; making of pneumonia jackets and surgical dressings; preparation of patients for ether and care of ether patients after operations; care of fracture cases and proper care of patients' surroundings; use of various appliances, utensils, and materials used in nursing.

Those who show adaptability for the work during this term and pass required examinations are accepted as pupil nurses and allowed to wear the school uniform. They will then be required to remain in the school and conform to the rules and discipline for three years from date of admission.

#### COURSE OF INSTRUCTION.

Embraces a period of three years and pupils are constantly engaged in practical work under immediate supervision of Superintendent of Nurses, her assistants, and the head nurses. Regular courses of lectures by physicians and surgeons, recitations and demonstrations, are given throughout the year.

## JUNIOR YEAR.

Includes study of anatomy and physiology; nursing, its principles and practice; dietetics in class work and demonstrations in diet kitchen; and lectures on hygiene, bandaging, medical and surgical diseases.

## INTERMEDIATE YEAR.

Includes medical, surgical, gynaecological and obstretical work, infectious diseases and massage, lectures on urinalysis, bacteriology, and materia medica.

## SENIOR YEAR.

In addition to study of special diseases, lectures on eye, ear, nose and throat, surgical technique is taught in the operating rooms; the pupils are assigned such positions of responsibility, acting as head nurses, as will enable them to learn something of hospital administration.

## POST-GRADUATE WORK.

Pupils who have attained a high average and show special aptitude for institutional work will be given opportunity of post-graduate work for period of one year, during which time they will receive instruction in ward management, teaching of pupil nurses, hospital housekeeping, and minor administration. They will receive \$40 per month and maintenance. Examinations will be held at end of year and if successfully passed and work and conduct are satisfactory, a special diploma will be given.

## HOURS OF DUTY.

Time spent on duty averages forty-eight hours each week.

## RESIDENT MEDICAL STAFF.

The number of internes has been increased and a house officer (a second year man) placed in charge of each service, an arrangement which has proved to be very satisfactory.

Regulations covering the work of this department have been compiled in book form, a copy being given to each member of the resident staff, so that his duties in the organization of the hospital are clearly defined.

## TUBERCULOSIS DEPARTMENT.

During the past year the number of beds in the Tuberculosis Department has been increased from about 200 to 250. It is proposed that commencing July 1st, 1916, the State will pay \$3 per week for each tuberculous patient as is approved by the Tuberculosis Bureau, State Board of Health, provided the hospital complies with certain conditions relative to care of these patients, housing, etc. It will be necessary to make some alterations in this Department to meet the requirements.

## MUNICIPAL ACCIDENT WARD.

To comply with the Workmen's Compensation Law, city employes injured in the performance of duty are entitled to the hospital service of the City and County of San Francisco, and a special ward is reserved for these cases. The best service that the hospital management can furnish is given these patients.

## SURGICAL DEPARTMENT.

Located on second floor Receiving Building and consisting of eleven operating rooms. At present only three operating rooms are in use, one of these having been added during the present fiscal year. The large west amphitheater is used for demonstrating operations for medical students and visitors and is very popular with the visiting surgeons. This amphitheater and the smaller operating room are used every morning. Operating room No. 3 is used as an emergency room for overflow work, etc.

During the year a cystoscopic room has been established in this department, which has proved very satisfactory, all work of this class being removed from the treatment rooms in the wards, where proper preparation of these cases was impossible.

The operating and cystoscopic rooms are assigned per regular schedule to the various services, operations being posted on the surgery bulletin board by the Operating Room Nurse not later than 2 p. m. on the day previous to operation.

The number of operations has greatly increased, now averaging about ten daily; fourfold the number in the hospital's previous history. The increase in the amount of work has necessitated the appointment of an assistant to the operating room nurse.

Sterilization for the entire hospital is done through this department, sterilizing plant being located on the third floor, thereby lessening the humidity of the surgical pavilion which is so objectionable in operating rooms. The sterilizing department is in constant operation daily and recently it has been found desirable to use the large mattress sterilizer centrally located near the Power Plant. This markedly diminishes the number of sterilizations besides increasing its efficiency; due to the higher steam pressure obtained at this point. It is therefore recommended that in future buildings sterilizers be placed as near the Power Plant as possible. The Diack sterilizer control has been used with great satisfaction.

#### COMMISSARY DEPARTMENT.

Is centrally located in rear of the main group of buildings, accessible from either 22nd or 23rd Streets, so that the receiving platform where all supplies are delivered is convenient to the kitchen, store-rooms, power plant, and workshops of the mechanics. Distribution of supplies is thus made with the least expenditure of time and labor.

An accurate check is kept on goods ordered and received; supplies are weighed, measured, and inspected immediately upon receipt and are accordingly accepted or rejected. Strict compliance with contracts as per Schedule of Supplies is demanded. Only brands, samples, etc., approved by the Supplies Committee of the Board of Supervisors will be accepted. Expert inspection of meat, fish, eggs and butter insures delivery of the best food products to the institution.

#### DISPENSARY.

Daily ward supplies are now delivered each morning as ready and all new prescriptions and orders brought in during the day are promptly delivered by messenger as soon as prepared. This is a decided improvement over the previous method, which required the nurses to call for all supplies.

A system of accountability has been inaugurated during the past year, whereby a record is kept of all package goods, showing the ward or department to which issued, amount issued weekly, and amount issued weekly or monthly to the entire hospital; also the amount of goods ordered and received.

The drug room in the Tuberculosis Department has been closed and the stock consolidated with that of the main dispensary. This not only prevents duplication of stock and ordering, but renders possible a more even distribution and stricter accounting.

Prescriptions and small orders for the Isolation Hospital, previously purchased at retail from outside stores, are now prepared here at a greatly reduced cost to the city.

Another important feature is the reduction in the quantity of liquor used, the decrease amounting to about 200 percent. Formerly the cost per month averaged about \$63.12 for 375 patients; the present monthly average is \$31.20 for over 700 patients.

The increase in the duties and service required of this department has made necessary the employment of an assistant druggist.



## LINEN DEPARTMENT.

In the Linen Department, which is in charge of one head seamstress and two assistant seamstresses, all of the linen such as sheets, pillow slips, towels, jackets, etc., are made; only such articles as are found cheaper to purchase by contract being obtained from outside manufacturers. The hospital linen is also repaired in this department. A system of exchange is in force whereby worn out linen is required to be presented before new linen is issued: As in the wards and other departments, a monthly inventory is taken of all stock.

## REGISTRAR.

The Registrar is in charge of the main record room, where all patients' histories and records, statistics, etc., are filed and recorded. The hospital rules require histories to be written within 24 hours after patient's entrance and to be filed in the record room within 72 hours after discharge.

## POWER PLANT.

The boilers and generators are in first-class condition; we had a little difficulty with the generators which has been satisfactorily adjusted.

About eight months ago the packing in the ice machine was renewed and the expense has been more than offset by the fact that we have not had to put in extra ammonia since renewing the packing, which will probably last for three years.

The motors in the laundry have held up very well with the exception of one armature in one of the extractors, the shaft breaking due to crystallization.

The elevators are being placed under weekly inspection by the Otis Elevator Co. as a check on the proper repair of same.

Dryers for drying wash rags have been installed in the main diet kitchens and pot cleaning kitchens and are very satisfactory.

Ventilators installed in the staff and help diet kitchens overcome to a great extent the odor of food.

Another good arrangement is the placing of guards over electric lights in the corridors, so that they cannot be removed except by the proper person, who has a key for the guards.

A smothering system is to be installed in the hood over the kitchen range as a protection against fire.

## LOCKER ROOM.

Upon admission, the patient's clothing, etc., is sent to the locker room for safekeeping and returned when the patient is ready to be discharged. While in the hospital the patient wears hospital clothing. In connection with the locker room a tailoring department has been established for the repair, cleaning, and pressing of such clothing as is necessary. A supply of clothing is also kept for the use of those patients in need.

## DENTAL CLINIC.

It has been arranged to open a dental clinic about July 1st, which will be a decided benefit to patients requiring dental work. This branch is to be maintained jointly by the hospital and the Associated Charities. The Associated Charities furnish the services of a dentist and supply the equipment, in return receiving the service of the Clinic for such of their cases as may be necessary.

## LIBRARIES.

A patients' library, instituted through the efforts of the young ladies of the Alpha Sigma Sorority, has been a great source of pleasure to those desiring to make use of it. The members of the sorority give their time and service towards the proper care of the books, issuing and recording of same, catalogues, etc.

A nurses' library has also been established, containing the latest and best works on nursing, through the generosity of the alumnae. A valuable reference library has also been added to the Training School.

TABLE 31

REPORT OF RELIEF HOME FOR AGED AND INFIRM, FISCAL YEAR  
ENDED JUNE 30, 1916

CHAS. M. WOLLENBERG, Superintendent.

Total number of inmates in Relief Home July 1st, 1915.....	1378
Total number of inmates admitted during 12 months.....	615

1993

## DISCHARGES

Number of inmates discharged at own request.....	200
Number of inmates who overstayed pass.....	88
Number of inmates discharged for cause.....	5
Number of inmates left without permission.....	13
Number of inmates sent to New San Francisco Hospital.....	6
Number of inmates sent to Tubercular Hospital.....	7
Number of inmates sent to Insane Asylum.....	19
Number of inmates who died.....	264
	602

Total remaining June 30, 1916.....	1391
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## SOCIAL CONDITION OF INMATES

Single .....	714
Married .....	77
Widowed .....	550
Divorced .....	30
Separated .....	20
	1391

## BY RACE

Caucasian .....	1359
Ethiopian .....	12
Mongolian .....	20
	1391

## BY NATIVITY

Foreign Born .....	991
Native Born (United States).....	400
	1391

## BY AGES

20 to 30.....	9
30 to 40.....	19
40 to 50.....	81
50 to 60.....	193
60 to 70.....	442
70 to 80.....	523
80 to 90.....	112
90 to 100.....	10
100 and over.....	2
	1391

## NUMBER OF TIMES ADMITTED

First time .....	820
Second time .....	425
Third time .....	84
Fourth time .....	20
Fifth time .....	16
Sixth time .....	6

TABLE 31—Continued

Seventh time .....	2
Eighth time .....	4
Ninth time .....	5
Tenth time .....	3
Eleventh time .....	3
Twelfth time .....	3
	<hr/>
	1391

## PHYSICAL CONDITION OF INMATES

	Number
Males, blind .....	26
Females, blind .....	7
Males, bedridden .....	38
Females, bedridden .....	17
Males, crippled .....	160
Females, crippled .....	42
Males, able to work.....	410
Females, able to work.....	54
Males, convalescent .....	40
Females, convalescent .....	14
Males, mentally incompetent.....	125
Females, mentally incompetent.....	61
Males, old and infirm.....	260
Females, old and infirm.....	137
	<hr/>
	1391

## TAILORING DEPARTMENT—INMATE LABOR

Men's coats repaired.....	423
Men's vests repaired.....	189
Men's pants repaired.....	491
Men's shirts repaired.....	80
	<hr/>
	1182

## SHOE REPAIRING DEPARTMENT—INMATE LABOR

Men's shoes repaired.....	1323
Women's shoes repaired.....	278
	<hr/>
	1601

## FARM REPORT—PRODUCED

Cabbage, lbs. ....	57,000
Beets, sacks .....	60
Potatoes, sacks .....	1,700
Parsnips, sacks .....	25
Carrots, sacks .....	200
Turnips, sacks .....	109
Lettuce, sacks .....	34
Forage, tons .....	70
Onions, sacks .....	10

## LAUNDRY WORK FOR YEAR 1915-16

Plain Work .....	400,800
Starched Work .....	17,880
	<hr/>
Total for year.....	418,680

## BOARD OF HEALTH

TABLE 31—Continued  
RELIEF HOME EXPENDITURES, JULY 1st, 1915, to JUNE 30th, 1916

	1915	July	August	September	October	November	December
Subsistence .....	8,176.33	7,379.44	8,492.10	8,592.66	8,653.92	10,084.63	
Sundries .....	382.91	314.64	214.17	213.54	312.85	140.11	
Clothing and Bedding .....	894.29	499.58	595.14	753.12	925.65	647.62	
Power Plant .....	188.15	114.00	28.16	63.43	113.46	58.65	
Drugs .....	322.11	109.83	142.79	124.40	163.87	181.54	
Laundry .....	17.50	30.00	38.50	84.75	88.50	11.10	
Stable .....	239.11	189.30	165.70	257.75	262.59	84.16	
Dairy .....	437.36	786.29	315.54	782.04	746.66	334.60	
Farm .....	33.75	60.60	127.88	269.82	13.48	482.29	
Fuel .....	955.22	847.58	854.45	1,013.03	956.40	877.66	
Garage .....	.....	79.25	48.17	104.28	45.39	119.83	
Repairs—							
Ordinary .....	209.63	319.05	696.02	645.45	280.89	490.06	
Vehicles and Harness .....	31.44	.....	5.50	8.74	11.35	11.55	
Machinery .....	173.75	.....	53.83	22.60	14.40	40.00	
Autos .....	244.75	33.42	26.94	235.06	72.98	166.12	
Construction .....	146.74	113.02	269.68	173.87	172.58	9.85	
Equipment .....	.....	.....	67.93	290.00	.....	110.00	
Pay Roll .....	5,554.50	5,538.00	5,548.37	5,512.84	5,576.50	5,600.85	
	<u>18,007.54</u>	<u>16,414.08</u>	<u>17,690.87</u>	<u>19,147.38</u>	<u>18,411.47</u>	<u>19,450.62</u>	

# BOARD OF HEALTH

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1916

	January	February	March	April	May	June
Subsistence .....	8,233.03	8,722.54	9,232.99	8,561.04	8,778.24	10,257.04
Sundries .....	238.92	244.76	155.29	190.56	199.42	173.95
Clothing and Bedding.....	828.96	734.96	528.74	608.82	1,248.87	588.11
Power Plant .....	82.32	144.39	46.65	187.61	80.14	227.72
Drugs .....	124.64	282.50	248.38	177.06	198.25	175.45
Laundry .....	13.04	77.40	134.04	33.40	92.00	64.07
Stable .....	150.24	201.38	204.48	177.85	342.10	44.25
Dairy .....	250.69	249.34	1,034.92	514.09	613.45	295.81
Farm .....	280.08	111.38	138.17	211.82	.....	41.80
Fuel .....	1,216.43	844.47	857.99	737.01	860.80	896.84
Garage .....	47.62	5.00	141.07	.....	1,024.40	58.50
Repairs—						
Ordinary .....	926.73	457.07	683.42	567.89	1,394.37	716.28
Vehicles and Harness.....	.....	16.18	41.98	31.68	25.00	65.41
Machinery .....	23.00	92.70	14.76	13.33	148.39	44.55
Autos .....	38.14	449.26	153.07	184.73	71.06	128.18
Pay Roll .....	5,501.35	5,570.10	5,599.72	5,591.00	5,456.00	5,531.01
	<u>17,945.19</u>	<u>18,203.43</u>	<u>19,215.67</u>	<u>17,737.89</u>	<u>20,532.49</u>	<u>19,308.47</u>

TABLE 31—Continued

JULY 1st, 1915, TO JUNE 30th, 1916

Subsistence .....	105,153.96
Sundries .....	2,781.12
Clothing and Bedding.....	8,853.86
Power Plant .....	1,284.68
Drugs .....	2,250.82
Laundry .....	684.30
Stable .....	2,318.91
Dairy .....	6,860.79
Farm .....	1,771.15
Fuel .....	10,917.38
Garage .....	1,673.51
Repairs—	
Ordinary .....	7,386.86
Vehicles and Harness.....	248.83
Machinery .....	641.31
Autos .....	1,803.71
Construction .....	885.74
Equipment .....	467.93
Pay Roll .....	66,580.24
	<hr/>
	222,065.10
Water Cost .....	1,850.58
	<hr/>
	223,915.68

RELIEF HOME EXPENSES, JULY 1st, 1915, to JUNE 30th, 1916

Subsistence for one year.....	105,153.96
Subsistence for one month.....	8,762.83
Subsistence for one day.....	287.31
Subsistence for one inmate per day.....	.207
Clothing and Bedding for one year.....	8,853.86
Clothing and Bedding for one month.....	737.82
Clothing and Bedding for one day.....	24.19
Clothing and Bedding for one inmate per day.....	.017
Maintenance of total inmates per day.....	611.79
Maintenance of one inmate per day.....	.44

TABLE 32  
REPORT OF THE INSPECTOR OF INDIGENTS, FISCAL YEAR 1915-16

	Total	1915							1916				
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June
Number of applicants receiving care	7121	511	555	532	482	480	651	692	673	678	606	672	589
Number of investigations	8933	680	762	678	600	591	734	874	765	905	731	860	753
Number of calls—home visits	1821	124	163	163	50	59	157	174	201	227	157	188	158
Total	17875	1315	1480	1373	1132	1130	1542	1740	1639	1810	1494	1720	1500
Cash collected for care of patients	\$158.00	\$15.00	\$15.00				\$65.00				\$15.00	\$15.00	\$33.00





# DIVISION OF VITAL STATISTICS

## FISCAL YEAR 1915-16

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Estimated Population (1916).....	500,000
Estimated Population U. S. Census (1914).....	448,502
Deaths registered .....	7,249
Annual Death Rate per 1,000 of population.....	14.49

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Total Deaths .....	7,249
Less Children under 1 week.....	206
Non-Residents .....	769
Deaths, External Causes.....	740
Net Total .....	1,715
Net Annual Death Rate per 1000 Population, 11.06.	5,534

Deaths by Sex.		By Color.	
Males .....	4,519	White .....	6,827
Females .....	2,730	Black .....	74
		Chinese .....	265
		Japanese .....	83

By Social Condition.		By Nativity.	
Single .....	2,634	San Francisco .....	1,089
Married .....	2,679	Other Parts of California.....	1,021
Widowed .....	1,524	Other States .....	1,627
Divorced .....	120	Foreign Countries .....	3,290
Unknown .....	292	Unknown .....	222

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Births Registered .....	7,780
Annual Birth Rate per 1000 of Population, 15.56.	

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Still Births Registered.....	220
(Not included in Birth or Mortality Tables.)	
Marriage Licenses Issued (by County Clerk).....	6,542

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**ED. M. COFFEY**  
STATISTICIAN

## VITAL STATISTICS

## BIRTHS REGISTERED (STILL BIRTHS EXCLUDED).

MONTH	SEX		RACE				Twins (pairs)..	Triplets (sets)..	NATIVITY OF PARENTS										MIXED PARENTAGE			
	MALES .....	FEMALES...	White.....	Black .....	Chinese .....	Japanese...			U. S.....	Gt. Britain.	*Ireland ...	† Germany..	France.....	† Italy.....	Scandinavia..	China.....	Japan.....	Others .....	Unascertained.....	Anglo-Saxon	United States Foreign....	Others
1915																						
July.....	318	336	619	1	21	13	9	1	279	16	40	38	9	94	14	11	13	43	0	30	43	24
August.....	290	288	543	8	8	26	6	0	248	12	32	27	7	88	17	2	26	27	3	20	49	20
September.....	370	319	644	3	20	22	10	0	301	13	33	22	10	115	22	5	22	45	0	33	45	23
October.....	304	318	576	3	23	20	8	0	289	7	33	22	6	84	13	6	20	47	6	15	51	23
November.....	372	318	645	0	21	24	4	0	288	13	43	15	11	109	13	6	24	63	5	34	39	27
December.....	335	391	603	0	12	21	6	0	276	13	25	28	8	90	17	5	20	49	11	36	35	23
1916																						
January.....	375	327	660	3	20	19	7	0	309	14	47	20	9	112	12	6	19	55	5	23	47	24
February.....	379	289	601	3	18	26	5	0	279	20	38	28	8	82	16	8	26	49	4	35	33	22
March.....	350	316	605	2	27	32	5	0	279	13	56	25	3	90	14	8	31	43	5	26	47	26
April.....	297	318	570	0	23	22	2	0	266	12	33	30	4	100	12	6	22	48	8	17	35	22
May.....	333	343	290	1	12	23	3	0	265	9	43	25	7	92	18	5	23	52	6	23	42	23
June.....	330	317	598	0	20	29	5	0	288	15	42	24	7	96	15	11	29	34	2	31	32	21
Totals.....	4063	3717	7261	17	225	277	70	1	3367	157	465	304	89	1152	183	79	275	555	55	323	498	278

\* Includes 155 Irish-U. S. born parentage.

† Includes 198 German-U. S. born parentage.

‡ Includes 181 Italian-U. S. born parentage.

## STILL BIRTHS

	Total	Male	Female
1915—July .....	19	12	7
August .....	8	5	3
September .....	13	8	5
October .....	13	8	5
November .....	18	7	11
December .....	23	9	14
1916—January .....	24	14	10
February .....	25	13	12
March .....	21	11	10
April .....	16	10	6
May .....	20	9	11
	<hr/>	<hr/>	<hr/>
	220	118	102
June .....	20	12	8

































TABLE NO. 1—Continued.  
 CLASSIFIED LIST OF CAUSES OF DEATHS ARRANGED ACCORDING TO MONTHS.  
 During the Fiscal Year Ending June 30, 1916.

CAUSES OF DEATH (International Classification)	GRAND TOTALS...	1915												1916						
		FEMALES .....						MALES .....						Jan.	Feb.	Mar.	Apr.	May	June	
		July		Aug.		Sept.		Oct.		Nov.		Dec.								
		M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.
169. Accidental drowning (in bay of S. F.) (In Pacific Ocean).....	34	3	3	3	3	7	1	1	3	3	2	2	4	2	2	3				
170. Traumatism by firearms.....	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
171. Traumatism by cutting or piercing instrument.....	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3				
172. Traumatism by fall—	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6				
Over banister.....	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2				
Into basement.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
From bed.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
From building.....	9	8	1	1	2	1	1	1	1	1	1	1	1	1	1	1				
Over bulkhead.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
Into bunker.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
Down elevator shaft.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
Into excavation.....	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2				
From fire escape.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
On floor.....	21	10	11	1	1	2	2	1	1	3	2	1	1	1	1	1				
From "go-cart".....	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
From ladder.....	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
Down light well.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
From loft.....	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2				
On pavement.....	12	8	4	1	1	1	1	1	1	1	1	1	2	2	3	1				
From pile-driver.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
Into pit.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
From platform.....	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2				
From porch.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
Into hold of ship.....	7	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1				
While skating.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
Through skylight.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				

























































TABLE No. III—Continued

REPORT OF DEATHS REGISTERED DURING

CAUSES OF DEATH (International Classification)	GRAND TOTALS...	MALES	FEMALES	Social						
				Single		Married		Widowed		
				M.	F.	M.	F.	M.	F.	
Following infected wound, arm.....	1		1			1				
Following wound of hand.....	1	1			1					
25. Mycoses (fungoides).....	1		1							1
26. Pellagra.....	1	1			1					
27. Beriberi.....	1	1					1			
28. Tuberculosis of the lungs.....	788	598	190	332	64	182	93	46	26	
29. Acute miliary tuberculosis.....	26	18	8	10	5	8	3			
30. Tuberculous meningitis.....	74	47	27	39	23	6	4	1		
31. Abdominal tuberculosis—intestinal.....	4		4			3				
Peritoneal.....	23	12	11	10	7	2	4			
32. Pott's disease— (Tuberculosis of spine).....	11	6	5	3	2	3	3			
33. White swellings— Tuberculosis hip-joint.....	2	2				1				
Tuberculosis of joints.....	1	1				1				
34. Tuberculosis of other organs— Lymph-glands of neck.....	5	2	3	1	3	1				
Of bones of foot.....	1	1			1					
Of kidneys.....	1		1		1					
35. Disseminated tuberculosis.....	4	3	1	3	1					
36. Rickets.....	1		1							1
Osteomalacia.....	1		1							1
37a. Syphilis—congenital.....	19	10	9	10	9					
37b. Syphilis—acquired.....	27	19	8	6	2	10	6	3		
38. Gonococcus infection.....	2	1	1	1						
39. Cancer of the buccal cavity.....										
Of lip.....	3	3				1		2		
Of maxilla.....	7	7		3		4				
Of maxilla (operative shock).....	1	1						1		
Of mouth.....	1	1						1		
Of palate.....	1	1				1				
Of tongue.....	11	11		4		5		2		
Sarcoma of maxilla.....	3	1	2	1				1	1	
40a. Cancer of the stomach.....	183	127	56	33	3	64	24	26	28	
(Operative shock).....	1	1			1					
(Operative sepsis).....	1	1			1					
Sarcoma of stomach.....	2	1	1		1					
40b. Cancer of liver.....	60	30	30	5	3	18	14	5	12	
(Operative shock).....	1	1				1				
41a. Cancer of the peritonæum, intestines.....										
Of intestines.....	49	25	24	4	1	15	13	5	10	
Of intestines (operative shock).....	2	1	1			1	1			
Sarcoma of intestines.....	5	4	1			4	1			
41b. Cancer of rectum.....	25	18	7	3	1	13	2	1	4	
(Operative shock).....	1		1				1			
42. Cancer of the female genital organs— Of uterus.....	73		73		3		43		25	
Of uterus (operative shock).....	6		6				3		3	
Of ovary.....	6		6		3		2		1	
Of vagina.....	3		3				2		1	
Sarcoma of uterus.....	1		1				1			
Sarcoma of vagina.....	1		1				1			
43. Cancer of the breast.....	63		63		7		33		20	
Sarcoma of breast.....	2		2						2	
44. Cancer of the skin— Of ear.....	1	1			1					
Of face.....	6	6				4		2		
Sarcoma of face.....	1	1				1				
45. Cancer of other or unspecified organs.....										
Of bladder (urinary).....	9	8	1	4		4	1			
Of groin.....	1		1						1	
Of kidney.....	2	1	1	1			1			
Of larynx.....	7	6	1	1		4	1	1		
Of lumbar region.....	1		1							1

VITAL STATISTICS

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TABLE NO. III—Continued.

FISCAL YEAR ENDING JUNE 30, 1916

Relation				Color								Nativity										
Divorced		Unascertained		White		Chinese		Japanese		African		San Francisco		Other Parts of Cal.		Other States		Foreign		Unascertained		
M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	
					1									1								
					1									1								
					1									1								
8	4	30	3	516	184	48	3	15	1	19	2	48	46	114	64	140	35	274	46	22	5	
				15	7	2				1	1				2	4	1	3			5	
				39	24	2	2	4	1	2		24	12	10	9	5	3	7	3	1		
				8	10	1		1	1	2			1		2	2	1					
				5	4			1			1			4	2	1	2	1	1			
					1						1					1		1				
					1											1						
					2	3								1				1	3			
					1									1								
						1							1									
					3	1						2	1	1								
					1	1																
					8	1	1	1				6	6	4	3							
				16	7	3	1					1	3	2	3	1		12	5			
				1	1									1							1	
					3									1				1				
					7									3								
					1																	
					1																	
					11																	
					1	2							2					8				
2	1	2		119	55	5		2		1	1	6	3	8	6	35	19	76	28	2		
					1																	
					1	1								1								
	1	1	1		22	29	8	1					1	1	3	8	7	21	19			
					1																	
	1				24	24	1						2	1	5	7	10	17	7			
					1	1								1	1	1		1				
					4	1								1	1	1		2				
					17	7		1				1	1	2	1	8	2	6	3	1		
					1																	
						73								5	10		22		36			
					6									1			1		4			
					6														5			
					3										1		1		1			
					1														1			
					1														1			
					61		2						8		11		22		22			
					2														1			
					1														1			
					6												2		4			
					1														1			
					7	1				1		1					2		5	1		
					1														1			
					1														1			
					1									1	1							
					6												1		5	1		
					1														1			

TABLE NO. III—Continued.  
REPORT OF DEATHS REGISTERED DURING

CAUSES OF DEATH (International Classification)	GRAND TOTALS...	MALES .....	FEMALES .....	Social					
				Single		Married		Widowed	
				M.	F.	M.	F.	M.	F.
Of lung .....	4	2	2			1	1		1
Of mediastinum .....	3	2	1	2			1		
Of neck .....	7	7		3		3			
Of orbit .....	1	1		1					
Of penis .....	2	2				2			
Of pharynx .....	5	5		1		3		1	
Of prostate .....	8	8				4		4	
Of prostate (operative shock) .....	1	1				1			
Of spine .....	1	1		1					
Of spleen .....	2	1	1	1			1		
Of temporal region .....	1	1		1					1
Of testicle .....	1	1				1			
Of thyroid .....	1	1				1			
Sarcoma—Of arm .....	1	1						1	
Of axilla .....	1	1						1	
Of brain .....	4	3	1	3	1				
Of brain (operative shock) .....	1	1		1					
Of eye .....	1	1		1					
Of femur .....	1	1		1			1		
Of groin .....	1	1		1			1		
Of ilium .....	1	1				1			
Of kidney .....	1	1		1					
Of lung .....	1	1		1					
Of mediastinum .....	2	1	1			1	1		
Of neck .....	3	3		1		2			
Of orbit .....	2	2		1				1	
Of testicle .....	1	1		1					
46. Other tumors (except of female genital organs) .....									
Of mediastinum .....	1	1				1			
Of parotid .....	1	1		1			1		
47. Acute articular rheumatism .....	5	2	3	1	1	1	2		
48. Chronic rheumatism and gout .....	8	5	3		1	3	1	2	1
49. Scurvy .....									
50. Diabetes .....	104	51	53	13	3	32	23	5	27
51. Exophthalmic goitre .....	11	1	10		1	1	6		3
52. Addison's disease .....	3	2	1			2	1		
53. Leukæmia .....	17	12	5	10	1	2	2		2
54. Anæmia, chlorosis .....	40	15	25	6	2	8	14	1	9
55. Other general diseases (acidosis) .....	3	3		3					
Purpura hemorrhagica .....	5	3	2		2	3			
56. Alcoholism (acute and chronic) .....	55	41	14	16		17	8	5	4
57. Chronic lead poisoning .....	2	2		1		1			
58. Other chronic occupation poisonings .....									
59. Other chronic poisonings .....									
<b>II. Diseases of the Nervous System.</b>									
60. Encephalitis .....	4	3	1	3	1				
Abscess of brain .....	3		3		1		2		
61. (1) Simple meningitis .....	17	10	7	9	7	1			
Streptococcic meningitis .....	3	3		2		1			
(2) Cerebrospinal meningitis .....	7	4	3	3	2	1	1		
(3) Epidemic cerebrospinal meningitis .....	4	2	2	2	1				1
62. Locomotor ataxia .....	21	17	4	3		8	3	5	1
63. Other diseases of spinal cord—									
Acute ascending paralysis .....	1	1				1			
Myelitis, transverse .....	3	1	2	1			1		1
Myasthenia gravis .....	1	1				1			
Paralysis agitans .....	2	1	1			1	1		
Paralysis, bulbar .....	5	3	2			1	1	1	1
Poliomyelitis .....	1	1		1					
Spina bifida .....	1	1		1					
Tumor of spinal cord .....	3	1	2	1			1		1
Sclerosis-lateral .....	5	3	2			3	1		1

VITAL STATISTICS

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TABLE NO. III—Continued.

FISCAL YEAR ENDING JUNE 30, 1916

Relation				Color								Nativity									
Divorced		Unascertained		White		Chinese		Japanese		African		San Francisco		Other Parts of Cal.		Other States		Foreign		Unascertained	
M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
1						2	2							1		1		1	1		
						2	1					1		1		1		1			
		1				7						1				3		3			
						1										1		1			
						2										1		1			
						4		1						1				4			
						8										2		6			
						1												1			
						1	1					1						1	1		
						1											1				
						1	1											1			
						1										1		1			
						1										1		1			
						1											1	1			1
						3			1			1			1	1					1
						1									1		1				
						1											1				
						1												1			
						1	1											1			
						1												1			
						3						1		2				2			
						1		1										2			
						1												1			
						1												1			
						1												1			
						2												2			
						4												4			3
						48	53	3				3	5	5	3	9	17	32	28		2
			1			1	10					1	1	4			3	2			3
						2	1					1					2				
						10	5	1		1		1		3	3	1	7	7			2
						14	25	1					5	1	3	6	9	8			8
						3						3									
						2	1	1	1			1	1	1	1	1	1				
	2	2	1			41	14					7	2	4	6	11	3	19	3		
						2												1			1
						3	1					3									1
						1						1		1							1
						8	5		1	2	1	3	6	4	1	2		1			
						3						3									
						4	2		1			2	3				1	1			
						2	2						1	1			1				1
			1			16	4		1			1	2		7	2	8	1			
						1							1								
						1	2								1	1					1
						1												1			
						1	1											1			
						1	1											1			
						1	1											1			
	1					3	2								3	1					
						1							1					1			
						1							1	1				1			
						1	2						1	1				1			
						3	2						1	1				1			
						3	2						1	1				1			

TABLE NO. III—Continued.

## REPORT OF DEATHS REGISTERED DURING

CAUSES OF DEATH (International Classification)	GRAND TOTALS...	MALES .....	FEMALES .....	Social					
				Single		Married		Widowed	
				M.	F.	M.	F.	M.	F.
64. Cerebral hæmorrhage, apoplexy.....	390	192	198	46	15	98	70	40	109
65. Softening of the brain.....	20	7	13	1	1	4	2	1	10
66. Paralysis without specified cause.....	8	4	4	2		2	1		3
Hemiplegia.....	10	4	6		2	4	2		3
67. General paralysis of the insane (Paresis).....	9	7	2	1		5	1	1	1
68. Other forms of mental alienation (Dementia, præcox).....	1	1		1					
69. Epilepsy.....	13	7	6	3	4	4	2		
70. Convulsions (nonpuerperal).....									
71. Convulsions of infants.....	3		3		3				
72. Chorea.....									
73. Neuralgia and neuritis.....									
74. Other diseases of the nervous system Sclerosis of brain.....	1	1				1			
Tumor of brain.....	25	13	12	6	3	6	7	1	1
75. Diseases of the eyes and their adnexa.....									
76. Diseases of the ears (Otitis Media).....	6	4	2	4	1				
<b>III. Diseases of the Circulatory System.</b>									
77. Pericarditis.....	24	19	5	6	2	8	3	3	
78. Acute endocarditis.....	48	33	15	20	6	9	6		2
79. Organic diseases of the heart.....									
(1) Valvular.....	385	238	147	90	17	97	60	37	67
(2) Endocarditis, chronic.....	139	97	42	33	5	45	14	6	21
(3) Fatty heart.....	19	4	15		1	3	3	1	9
(4) Myocarditis, chronic.....	505	279	226	64	26	124	58	64	138
80. Angina pectoris.....	72	46	26	4	1	30	5	12	20
81. Diseases of arteries, atheroma, aneurysm, etc.....									
Aneurism of aorta.....	28	23	5	7		12	2	1	3
Arterio-sclerosis.....	91	45	46	10	4	17	7	18	35
Endarteritis.....	1	1				1			
82. Embolism and thrombosis.....	19	13	6	1		9	2	3	4
83. Diseases of veins (phlebitis).....	6	3	3	1		2	2		1
84. Diseases of lymphatic system— Abscess auxiliary gland.....	1	1		1					
Adenitis, suppurative.....	1		1		1				
Enlarged thymus.....	1		1		1				
Status lymphaticus.....	1	1		1					
85. Hæmorrhage, other diseases of circulatory system.....									
<b>IV. Diseases of the Respiratory System.</b>									
86. Diseases of the nasal fossæ.....									
87. Diseases of the larynx (laryngitis).....	4	2	2		2	1		1	
88. Diseases of the thyroid body.....									
89. Acute bronchitis.....	40	18	22	9	10	5	2	4	10
90. Chronic bronchitis.....	27	14	13	4	2	2	5	7	6
91. Bronchopneumonia.....	345	227	118	126	52	42	27	37	39
92. Lobar pneumonia.....	385	237	148	108	47	72	44	39	54
93. Pleurisy.....	44	36	8	15	2	10	4	3	2
94. Pulmonary congestion, pulmonary apoplexy.....	6	3	3			1		2	3
95. Gangrene of the lung.....	4	4		1		2			
96. Asthma.....	10	6	4			4	3	2	1
97. Pulmonary emphysema.....									
98. Other diseases of the respiratory system (tuberculosis excepted)— Abscess of lung.....	2	1	1		1	1			
<b>V. Diseases of the Digestive System.</b>									
99. Diseases of mouth and adnexa (gangrenous stomatitis).....	1	1		1					
Pyorrhæa alveolaris.....	1		1						1



VITAL STATISTICS

TABLE NO. III—Continued.

FISCAL YEAR ENDING JUNE 30, 1916

Relation				Color								Nativity									
Divorced		Unascertained		White		Chinese		Japanese		African		San Francisco		Other Parts of Cal		Other States		Foreign		Unascertained	
M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
2	4	6		175	197	16				1	1	9	9	14	18	46	52	119	118	4	1
1				7	13									1		2	5	4	7		1
				4	4									2		1	2	1	2		
				3	6	1										1	2	3	4		
				7	2							1				3		3	2		
				1												1					
				7	6							1	1	3		3	2	3			
					3								2		1						
				1										1							
	1			12	12					1		3	1	1	7	2	3	7	1		
	1			4	2							2		1			2	1			
		2		16	5	3						2	2	4	1	5	2	7		1	
2	1	2		32	14	1				1		4	7	9	1	11	2	8	4	1	1
3	3	11		219	145	16	2	1		2		10	6	22	18	64	31	134	92	8	
1		12		88	40	9				2		9	2	13	5	21	9	48	25	6	1
		2		4	15											1	4	3	11		
5	3	22	1	263	222	13	1		1	3	2	11	4	13	9	69	61	171	149	15	3
				46	26							5	1	3	3	16	9	20	13	2	
1		2		22	5				1			1		1	11	1	11		2	1	
				36	46	9									2	8	14	37	30		
				1												1					
				12	6	1								2		4	1	7	5		
				3	3											3	1		2		
				1								1									
				1	1										1						
				1								1									
				2	2							2				1		1			
				16	20	2	1			1		8	8	3	2		1	7	11		
1				14	13									1	1	2	1	11	11		
1		21		221	113	3	1	3	2	2	2	39	38	26	15	40	19	111	45	11	1
6	1	12	2	229	143	3	1	3	2	2	2	36	34	29	23	60	31	99	59	13	1
		8		33	7	2		1	1			6	2	4		6	3	17	3	3	
				3	3											1		3	2		
1				3		1							1		1			2			
				4	4	2								1				6	3		
				1	1							1	1								
				1														1			
				1															1		

TABLE NO. III—Continued.

## REPORT OF DEATHS REGISTERED DURING

CAUSES OF DEATH (International Classification)	GRAND TOTALS...	Males .....	Females .....	Social							
				Single		Married		Widowed			
				M.	F.	M.	F.	M.	F.		
100. Diseases of the pharynx (tonsillitis, septicemia following) .....	6	3	3	3	3						
Vincent's angina .....	1	1				1					
101. Diseases of the œsophagus (diverticulum) .....	1	1				1					
102. Ulcer of the stomach .....	40	31	9	10	1	18	4	2	4		
(Operative shock) .....	3	3				2		1			
(Operative sepsis) .....	1	1		1							
103. Other diseases of stomach (cancer excepted)—											
Gastritis, acute .....	10	7	3	5	2	1		1	1		
Dilation of stomach .....	1		1							1	
104. Diarrhœa and enteritis (und. 2 yrs.)											
Cholera infantum .....	3	2	1	2	1						
Diarrhœa .....	8	7	1	7	1						
Enteritis .....	7	6	1	6	1						
Enterocolitis .....	5	3	2	3	2						
Gastro-enteritis .....	52	32	20	32	20						
Ileo-colitis .....	4	3	1	3	1						
105. Diarrhœa and enteritis (2 years and over)—											
Diarrhœa .....	1		1								1
Enteritis .....	5	2	3	1	1		1	1	1		
Gastro-enteritis .....	15	7	8	1	6	5		1	1	2	
Ileo-colitis .....	2		2		2						
Duodenal ulcer .....	15	12	3	4		5	3	2			
(Operative shock) .....	1	1		1							
106. Ankylostomiasis .....	1	1		1							
107. Intestinal parasites (Trichinosis) .....	1	1		1							
108. Appendicitis .....	96	63	33	33	13	23	14	1	5		
(Operative shock) .....	3		3				3				
109a. Hernias .....	16	10	6	3		4	4		2		
(Operative shock) .....	4	4	3	3	2	1					
109b. Intestinal obstructions .....	43	26	17	8	2	11	10	4	4		
(Operative shock) .....	5	2	3	1	1		2				
Intussusception .....	6	5	1	5	1						
Volvulus .....	5	1	4	1	2		2				
110. Other diseases of the intestines (fecal fistula)											
Ischio-rectal abscess .....	3	3				1		1			
Ulcer duodenum .....	1	1						1			
(Operative shock) .....	5	4	1	1		3	1				
Tumor of intestines .....	1		1					1			
Prolapse of rectum .....	1		1					1			
Stricture rectum .....	1	1		1							
Coccioidial granuloma .....	1	1		1							
111. Acute yellow atrophy of the liver .....	3	3		2		1					
112. Hydatid tumor of the liver (operative shock) .....	1	1				1					
113. Cirrhosis of the liver .....	110	79	31	27	1	40	16	7	11		
114. Biliary calculi .....	24	9	15	2		5	9	2	6		
(Operative shock) .....	6		6				3		3		
(Operative sepsis) .....	1	1				1					
115. Other diseases of the liver (abscess of)											
Inflammation of .....	5	5		1		2		1			
Cholecystitis .....	3	3		2		1					
Gangrene of gall bladder .....	9	4	5	1		2	2	1	2		
Rupture of gall bladder .....	1		1		1						
116. Diseases of the spleen (abscess of) .....	2	1	1	1							
117. Simple peritonitis .....	1	1				1					
118. Other diseases of digestive system (excepting tuberculosis, cancer)											
Sub-phrenic abscess .....	2	1	1		1	1			1		
Hemorrhagic pancreatitis .....	5	5		3		1		1			







TABLE NO. III—Continued.

## REPORT OF DEATHS REGISTERED DURING

CAUSES OF DEATH (International Classification)	GRAND TOTALS...	MALES .....	FEMALES .....	Social					
				Single		Married		Widowed	
				M.	F.	M.	F.	M.	F.
<b>VIII. Diseases of the Skin.</b>									
142. Gangrene (of foot).....	3	2	1			2		1	
Raynaud's disease .....	1	1						1	
143. Furuncle (carbuncle) .....	1	1		1					
Carbuncle (septicemia following)..	1	1		1					
144. Acute abscess (multiple).....	1	1				1			
Of cervical glands.....	1	1				1			
Cellulitis face (scratch of nail) ..	1		1						
Cellulitis hand (septicemia fol.)..	1		1					1	
Pemphigus neonatorum .....	1	1		1					
Pemphigus foleaceas .....	1		1					1	
Ulcer leg (septicemia following)..	1	1							
Pituriasis rubia .....	1	1		1					
Impetigo (septicemia following)....	1		1			1			
<b>IX. Diseases of the Bones.</b>									
146. Diseases of the bones (tuberculosis excepted)—									
Mastoiditis .....	3	2	1	2	1				
(Septicemia following) .....	4	3	1	2		1		1	
Necrosis maxilla (operative shock)	1		1					1	
Osteomyelitis tibia .....	1	1				1			
147. Diseases of the joints (excepting tu- berculosis and rheumatism—									
Purulent arthritis .....	2	1	1			1		1	
Arthropathy hip (operative shock)	1	1		1					
Congenital dislocation hip (opera- tive shock) .....	1		1			1			
148. Amputations .....									
149. Other diseases of the organs of loco- motion .....									
<b>X. Malformations.</b>									
150. (1) Hydrocephalus .....	5	1	4	1	4				
(2) Congenital malformation of heart	22	9	13	9	13				
(3) Other congenital malformations..									
Cleft palate .....	4		4		4				
Imperforate anus .....	3	2	1	2	1				
Microcephalus .....	1		1		1				
Pyloric stenosis .....	5	5		5					
(Operative shock) .....	2	1	1	1	1				
Spina bifida .....	4	2	2	2	2				
(Operative shock) .....	1		1		1				
Malformation urinary bladder.....	1		1		1				
Arrest of development .....	1		1		1				
<b>XI. Diseases of Early Infancy.</b>									
151. (1) Premature birth .....	125	77	48	77	48				
(2) Congenital debility, "atrophy," "marasmus," etc. ....	5	3	2	3	2				
Icterus neonatorum .....	2	1	1	1	1				
Maldevelopment .....	1		1		1				
152. Other diseases peculiar to early in- fancy—									
(1) Injuries at birth (instrumental delivery) .....	15	12	3	12	3				
Breech presentation .....	1	1		1					
Placenta previa .....	3	2	1	2	1				
(2) Asphyxia neonatorum .....	6	4	2	4	2				
Atelectasis neonatorum .....	26	16	10	16	10				
Hemophilia neonatorum .....	8	2	6	2	6				
Hemorrhage from circumcision..	1	1		1					



TABLE NO. III—Continued.

## REPORT OF DEATHS REGISTERED DURING

CAUSES OF DEATH (International Classification)	GRAND TOTALS...	MALES .....	FEMALES .....	Social						
				Single		Married		Widowed		
				M.	F.	M.	F.	M.	F.	
Hemorrhage umbilicus .....	1	1		1						
Melena neonatorum .....	1	1		1						
Inspiration of food .....	1		1		1					
Inspiration of vomit .....	1	1		1						
Infection umbilicus .....	2		2		2					
Suffocation under bedclothes .....	2	2		2						
Suffocation (overlaid) .....	1		1		1					
153. Lack of care .....										
<b>XII. Old Age.</b>										
154. Senility .....	55	14	41	4	2	3	5	6	34	
<b>XIII. Affections Produced by External Causes</b>										
155. Suicide by poison—										
Arsenic .....	1	1							1	
Bi-chloride mercury .....	5		5		2		3			
Carbolic acid .....	7	5	2	2	1	1	1	1		
Chloroform .....	1		1				1			
Cyanide potassium .....	13	12	1	2		7		2	1	
Lysol .....	5	4	1	1		3	1			
Strychnine .....	3	2	1	1			1			
Undetermined poison .....	1		1				1			
156. Suicide by asphyxia (illuminating gas) .....	56	45	11	19	2	17	6		2	
157. Suicide by hanging or strangulation .....	15	14	1	5	1	4				
158. Suicide by drowning .....	14	11	3	3	1	4	1	1		
159. Suicide by firearms .....	98	89	9	31	2	33	4	8	1	
160. Suicide by cutting or piercing instruments .....	18	16	2	7		5	1		1	
161. Suicide by jumping from a high place (from bridge) .....	1	1		1						
From fire escape .....	1	1		1						
From pile driver .....	1	1		1						
From window .....	10	7	3	2	1	3	2			
162. Suicide by crushing .....										
163. Other suicides .....										
164. Poisoning by food (ptomaines)—										
From eating clams .....	2		2				1		1	
Crab salad .....	1		1				1			
Unknown .....	2	1	1	1			1			
165. Other acute poisonings—										
Arsenic (accidentally self-administered) .....	1		1							1
Bi-chloride mercury (accidentally self-administered) .....	3	1	2		1	1	1			
Cyanide (accidentally self-administered) .....	1	1		1						
Morphine (accidentally self-administered) .....	1	1		1						
Muriatic acid (accidentally self-administered) .....	1	1				1				
Opium (accidentally self-administered) .....	1		1				1			
Strychnine (manner unknown) .....	1		1				1			
Unknown poison (manner unknown) .....	1		1				1			
166. Conflagration (in burning building) .....	12	3	9	2	8				1	
167. Burns (conflagration excepted)—										
Playing with matches .....	3	1	2	1	2					
From gas stove .....	1		1		1					
From open grate .....	1		1						1	
From wood stove .....	1		1						1	
From gasoline stove .....	1		1						1	
From vaporizer .....	1	1		1						





TABLE NO. III—Continued.

## REPORT OF DEATHS REGISTERED DURING

CAUSES OF DEATH (International Classification)	GRAND TOTALS...	MALES .....	FEMALES .....	Social						
				Single		Married		Widowed		
				M.	F.	M.	F.	M.	F.	
From electric hot plate.....	1	1		1						
From explosion kerosene lamp.....	1	1	2			1	1			
Lighting fire with kerosene.....	1		1				1			
From explosion distillate.....	2	2		2						
From scalding water.....	3	2	1	1	1	1				
From boiling grease.....	1		1				1			
168. Absorption of deleterious gases (con- flagration excepted)—										
(1) Illuminating gas (accidental)....	52	43	9	20	2	6	5	5	1	
(2) Anesthesia (ether during opera- tion).....	1	1				1				
(Not stated) (during operation).....	1	1								
169. Accidental drowning (in bay of S. F.)	34	34		12		3				
(In Pacific Ocean).....	4	4		1		1				
(In ponds).....	3	3		2				1		
170. Traumatism by firearms.....	6	6		5		1				
171. Traumatism by cutting or piercing instrument.....										
172. Traumatism by fall—										
Over banister.....	2	2		1						
Into basement.....	1	1				1				
From bed.....	1		1						1	
From building.....	9	8	1	5	2	3				
Over bulkhead.....	1	1						1		
Into bunker.....	1	1		1						
Down elevator shaft.....	1		1		1					
Into excavation.....	2	2				1		1		
From fire escape.....	1		1						1	
On floor.....	21	10	11	4		2	2	3	8	
From "go-cart".....	2	1	1	1	1					
From ladder.....	3	2	1			2			1	
Down light well.....	1		1				1			
From loft.....	2	2		2						
On pavement.....	12	8	4	3	1	3	2	1	1	
From pile-driver.....	1	1				1				
Into pit.....	1	1				1				
From platform.....	2	2		2						
From porch.....	1		1		1					
Into hold of ship.....	7	7		1		5				
While skating.....	1	1		1						
Through skylight.....	1	1				1				
From staging.....	2	2				2				
Down stairs.....	17	13	4	4	2	3		3	2	
From telegraph pole.....	1	1				1				
From window.....	7	3	4	1	1	1	3			
On iron stake.....	1	1				1				
173. Traumatism in mines and quarries (Explosion in mine).....	1	1								
In mine, fracture spine (manner unknown).....	2	2		1		1				
In quarry, fracture spine (manner unknown).....	1	1		1						
174. Traumatism by machines—										
Crushed by elevators.....	4	4		2		1				
Crushed by elevator counterweight.....	2	2		2						
In elevator machinery.....	1	1						1		
Struck by broken belt.....	1	1				1				
Crushed by traveling crane.....	1	1		1						
175a. Railroad accidents and injuries—										
Struck by locomotive.....	1	1				1				
Run over by train.....	6	6		3		1				
Run over by freight car.....	1	1								
Fall from handcar.....	1	1				1				
Fall from locomotive.....	1	1				1				
Crushed between freight cars.....	2	2		1		1				
Crushed between car and platform.....	1	1		1						

VITAL STATISTICS

TABLE NO. III—Continued  
FISCAL YEAR ENDING JUNE 30, 1916

Relation				Color								Nativity									
Divorced		Unascertained		White		Chinese		Japanese		African		San Francisco		Other Parts of Cal		Other States		Foreign		Unascertained	
M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
				1								1				1					
				1		1						1								1	
				1										1							
				2		1		1					1						1		
				1										1						1	
1	1	11		43	9							3	2	1	1	9	4	17	2	13	
				1														1			
				1												1					
			19	34								4		1		5		7		17	
			2	4								1						1		2	
				3								1		1				1			
				6								2		1		2		1			
			1	2														2			
				1														1			
						1												1		1	
				7		1	1					2	1	1		2		3			
				1														1			
				1														1			
				2												1		1		1	
				1		1												1		1	
1	1			10	11							1		1	1	4	4	4	5		1
				2		1						1						1		1	
				2		1										1		1		1	
				2										1				1		1	
			1	8		4						1			1	3	1	3	2	1	
				1														1			
				1												1					
				2										1				1			
1				7								1		1		1		4			
				1										1							
				1										1							
				2										1							
				1										1							
				1										1							
				2										1				1			
				1										1							
				1										1							
				1										1							
				2										1							
				1										1							
				1										1							
				1										1							
				1										1							
				1										1							
				1										1							
				2										1							
			1	6										1				6			
				1										1						1	
				1										1							
				1										1							
				2										1							
				1										1							























## VITAL STATISTICS

TABLE NO. III—Continued  
 REPORTS OF DEATHS REGISTERED DURING FISCAL YEAR ENDING JUNE 30, 1916.

CAUSES OF DEATH (International Classification)	PLACE OF DEATH														Non-Resi- dent M. F.				
	1st District		2nd District		3rd District		4th District		5th District		En route to Hospital		Pub. Insti- t'ns, hos- pitals, etc						
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.					
	MALES .....		FEMALES .....		GRAND TOTALS...														
111. Stricture rectum .....	1	1																	
112. Coccidioidal granuloma .....	1	1																	
113. Acute yellow atrophy of the liver.....	3	8																	
114. Hydatid tumor of the liver (operative shock) .....	1	1																	
115. Cirrhosis of the liver.....	110	79	31	18	10	5	1	8	1	2	1	2	1	35	13	1			6
116. Biliary calculi .....	24	9	15	1	2									8	11				8
117. (Operative shock) .....	6	1	6	1	1									5	3				3
118. (Operative sepsis) .....	1	1												1	1				1
119. Other diseases of the liver (abscess of) .....	1	5												1	4				1
120. Inflammation of .....	3	3												1	4				2
121. Cholecystitis .....	9	4	5	1	1									3	3				4
122. Gangrene of gall bladder .....	1	1												1	1				1
123. Rupture of gall bladder .....	2	1	1	1										1	1				2
124. Diseases of the spleen (abscess of) .....	1	1												1	1				1
125. Simple peritonitis .....	1	1												1	1				1
126. Other diseases of digestive system (excepting tuberculosis, cancer) .....	2	1	1											1	1				1
127. Sub-phrenic abscess .....	5	5												5	5				1
128. Hemorrhagic pancreatitis .....																			
<b>VI. Diseases of the Genito-Urinary System.</b>																			
129. Acute nephritis .....	49	28	21	5	2	2	2	1	4	3	2	2	2	15	11				6
130. Bright's disease .....	585	387	198	79	40	13	21	24	23	43	34	19	20	206	59				4
131. Chyluria .....																			
132. Other diseases of the kidneys and adnexa (Hydronephrosis) .....	1	1												1	1				1
133. Pyelitis .....	4	4												2	2				1
134. Pyelonephritis .....	3	2	1											2	2				1









TABLE NO. III—Continued  
 REPORTS OF DEATHS REGISTERED DURING FISCAL YEAR ENDING JUNE 30, 1916.

CAUSES OF DEATH (International Classification)	PLACE OF DEATH														Non-Resi- dent			
	1st District		2nd District		3rd District		4th District		5th District		En route to Hospital		Pub. Insti- t'ns, hos- pitals, etc					
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.				
	MALES		FEMALES		GRAND TOTALS													
Melena neonatorum	1	1																
Inspiration of food	1	1																
Inspiration of vomit	1	1																
Infection umbilicus	2	2																
Suffocation under bedclothes	2	2																
Suffocation (overlaid)	1	1																
153. Lack of care																		
154. Senility	55	14	41	12	2	2	7	3	3	1	6				5	11		3
<b>XIII. Affections Produced by External Causes</b>																		
155. Suicide by poison—																		
Arsenic	1	1																
Bi-chloride mercury	5	5																
Carbolic acid	7	5	1	1	2										2	1		1
Chloroform	13	12	1	6	1	2												
Cyanide potassium	6	4	1	1	2													
Lysol	3	2	1	1	1													
Strychnine	3	2	1	1	1													
Undetermined poison	1	1																
156. Suicide by asphyxia (illuminating gas)	56	45	11	11	16	2	2	3							4	1	9	3
157. Suicide by hanging or strangulation	15	14	1	3	2	1									4	3	1	2
158. Suicide by drowning	14	11	3	3	2	1									9	3	2	1
159. Suicide by firearms	98	89	9	19	2	7	6	1	4	8	16	4	29	2	16	4	2	7
160. Suicide by cutting or piercing instru- ments	18	16	2	1	1	1									5	6	1	2





Down stairs.....	17	13	4	2	2	1	1	1	1	9	2	1
From telegraph pole.....	1	1										1
From window.....	7	3	4	1						3	3	1
On iron stake.....	1	1								1		1
173. Traumatism in mines and quarries.....	1	1								1		1
(Explosion in mine).....	2	2								2		2
In mine, fracture spine (manner unknown).....	1	1								1		1
In quarry, fracture spine (manner unknown).....	4	4							1	3		1
174. Traumatism by machines—	2	2							1	1		1
Crushed by elevators.....	1	1								1		1
Crushed by elevator counterweight in elevator machinery.....	1	1								1		1
Struck by broken belt.....	1	1								1		1
Crushed by traveling crane.....	1	1								1		1
175a. Railroad accidents and injuries—	1	1								1		1
Struck by locomotive.....	6	6		4						2		1
Run over by train.....	1	1								1		1
Run over by freight car.....	1	1								1		1
Fall from handcar.....	1	1								1		1
Fall from locomotive.....	2	2								2		1
Crushed between freight cars.....	1	1								1		1
Crushed between car and platform.....	2	1	1							1		1
175b. Street car accidents and injuries—	1	1								1		1
Struck by cable car.....	4	2	2	1						1		1
Fall from electric car.....	24	20	4		1	1				14	4	1
Run over by electric car.....	1	1								2		1
Struck by electric car.....	6	6		1						5		1
Hurled from runway car.....	4	4								2		2
Collision between electric car and wagon.....	39	31	8	2	1				2	26	4	3
175c. Automobile accidents and injuries—	5	4	1						3	3		1
Run over by auto.....	3	3								1		1
Struck by auto.....	6	5	1						1	4		1
Crushed by overturning auto.....	2	2								2		2
Fall from moving auto.....	1	1								1		1
Collision bet. auto and electric car.....	1	1								1		1
Collision bet. auto and motorcycle.....	1	1								1		1
Injured by exploding tire.....	1	1								1		1
175d. Injuries by other vehicles—	1	1								1		1
Struck by buggy.....	2	1	1							1		1
Run over by truck.....	1	1								1		1
Run over by wagon.....	1	1								1		1
Struck by wagon.....	2	2			1					1		1
Thrown from wagon.....	1	1								1		1
Struck by bicycle.....	1	1								1		1
Struck by motorcycle.....	1	1								1		1
Struck by street-sweeper.....	1	1								1		1





TABLE No. IV.

## NATIVITIES OF DECEDENTS, FISCAL YEAR 1915-1916.

Total Deaths During Year.....	7249	West Virginia .....	5
		Wisconsin .....	38
		Wyoming .....	2
<b>NATIVITIES</b>			
San Francisco .....	1089	Totals .....	1627
Other Parts of California.....	1021		
<b>Other States and Territories.</b>		<b>Foreign Countries.</b>	
Alabama .....	13	Africa .....	1
Alaska .....	3	Austria .....	85
Arkansas .....	8	Australia .....	27
Colorado .....	7	Belgium .....	12
Connecticut .....	22	Canada .....	120
Delaware .....	1	Central America .....	5
District of Columbia.....	6	China .....	208
Florida .....	3	Denmark .....	51
Georgia .....	10	East Indies .....	1
Territory of Hawaii.....	9	England .....	204
Idaho .....	4	Finland .....	28
Illinois .....	95	France .....	133
Indiana .....	46	Germany .....	644
Iowa .....	34	Greece .....	27
Kansas .....	19	Holland .....	8
Kentucky .....	45	Hungary .....	19
Louisiana .....	31	Iceland .....	1
Maine .....	73	India .....	2
Maryland .....	25	Ireland .....	822
Massachusetts .....	143	Italy .....	271
Michigan .....	54	Japan .....	55
Minnesota .....	22	Mexico .....	54
Mississippi .....	4	New Brunswick .....	10
Missouri .....	98	Newfoundland .....	7
Montana .....	6	New Zealand .....	5
Nebraska .....	9	Norway .....	48
Nevada .....	31	Nova Scotia .....	23
New Hampshire .....	17	Philippines .....	6
New Jersey .....	28	Porto Rico .....	3
New Mexico .....	1	Portugal .....	15
New York .....	316	Roumania .....	9
North Carolina .....	7	Russia .....	81
North Dakota .....	1	Scotland .....	75
Ohio .....	106	South America .....	12
Oklahoma .....	1	South Africa .....	3
Oregon .....	23	Spain .....	20
Pennsylvania .....	123	Sweden .....	115
Rhode Island .....	9	Switzerland .....	57
South Carolina .....	6	Turkey .....	8
South Dakota .....	4	Wales .....	8
Tennessee .....	24	West Indies .....	8
Texas .....	23		
Utah .....	13	Totals .....	3290
Vermont .....	19		
Virginia .....	24	At Sea .....	1
Washington .....	16	Unknown .....	221



TABLE No. V.

DEATHS BY SANITARY DISTRICTS, PUBLIC INSTITUTIONS, HOSPITALS,  
ETC.—FISCAL YEAR ENDING JUNE 30, 1916.

Location	Grand Totals	Males	Females
Deaths from all Causes.....	7249	4519	2730
<b>Sanitary Districts.</b>			
First .....	1389	785	604
Second .....	566	336	230
Third .....	514	265	249
Fourth .....	692	363	329
Fifth .....	365	184	181
Totals .....	3526	1933	1593
<b>Hospitals and Institutions under Control of Board of Health.</b>			
San Francisco Hospital( General).....	701	535	166
*Tuberculosis Hospital .....	155	135	20
Isolation Hospital .....	67	36	31
Emergency Hospitals—			
Central .....	223	180	43
Harbor .....	38	35	3
Mission .....	19	14	5
Park .....	10	7	3
Potrero .....	2	2	
Smallpox Hospital .....			
Leper Hospital .....	1	1	
Relief Home Aged and Infirm.....	264	198	66
Jails and Prisons .....	5	5	
Totals .....	1485	1148	337
<b>Other Hospitals, Sanatoria, Homes and Asylums.</b>			
Adler Sanatorium .....	36	19	17
Alexander Maternity Hospital .....	6	2	4
Bering Sanatorium .....	5	5	
Buell Sanatorium .....	4	4	
Buena Vista Sanatorium.....	34	20	14
Children's Hospital .....	71	31	40
Fairmont Hospital .....	94	60	34
French Hospital .....	88	56	32
German Hospital .....	152	108	44
Hahnemann Hospital .....	80	44	36
Hebrew Home Aged Disabled.....	7	5	2
Home Aged (Little Sisters of the Poor).....	68	22	46
Home for Incurables.....	25	12	13
Irving Sanatorium .....	4	3	1
Lane Hospital .....	170	112	58
Mary's Help Hospital .....	125	64	61
Morton Hospital .....	16	10	6
Mount Zion Hospital .....	93	59	34

\* Deaths from July 1 to Dec. 31, 1916, charged to General Hospital.

## VITAL STATISTICS

TABLE No. V.—Continued

Location	Grand Totals	Males	Females
Neal Institute .....	1	1	
Old Ladies' Home (Lick).....	1		1
Old People's Home .....	11	5	6
Pacific Hebrew Home.....	3	1	2
Protestant Orphan Asylum .....	2	2	
Robinson Sanatorium .....	1		1
Roman Catholic Orphan Asylum.....	8	4	4
San Francis Girls' Directory.....	5		5
St. Francis Hospital.....	121	74	47
St. Joseph's Hospital.....	113	59	54
St. Luke's Hospital .....	181	117	64
St. Mary's Hospital .....	134	82	52
St. Winifred's Hospital .....	22	14	8
S. P. Railroad Hospital.....	73	73	
St. Catherine's Home .....	2		2
Trinity Hospital .....	22	12	10
University of Cal. Hospital.....	100	59	41
Union Iron Works Hospital.....	5	5	
Wakefield Sanatorium .....	4	3	1
Ward (Florence) Hospital .....	21	10	11
S. F. Polyclinic Hospital.....	1	1	
P. P. I. E. Hospital.....	19	13	6
<b>Totals .....</b>	<b>1928</b>	<b>1172</b>	<b>756</b>
<b>United States Institutions.</b>			
U. S. Marine Hospital.....	40	39	1
Letterman General (Army).....	72	64	8
Presidio Reservation .....	8	2	6
Yerba Buena Island Naval Station.....	1	1	
Fort McDowell .....	1	1	
<b>Totals .....</b>	<b>122</b>	<b>107</b>	<b>15</b>
En route to Hospital.....	112	91	21
Bay of San Francisco.....	43	41	2
Pacific Ocean .....	6	5	1
On Vessels in Bay, etc.....	15	13	2
Golden Gate and other Parks.....	11	8	3
Reservoirs and Ponds.....	1	1	
<b>Totals .....</b>	<b>188</b>	<b>159</b>	<b>29</b>

VITAL STATISTICS

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TABLE VI.  
REPORTS OF INTERMENT, CREMATION AND SHIPPING PERMITS ISSUED DURING FISCAL YEAR 1915-16

TO	1915							1916						TOTALS	
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June			
	San Francisco Cemeteries	0	0	0	0	0	0	0	0	0	0	0	0		0
Calvary Receiving Vault	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L. O. F. Rec. Vault	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L. O. F. (For Cremation)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laurel Hill Vault	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Masonic Vault	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
National Presidio	8	8	12	12	14	18	12	7	15	13	12	4	4	135	0
U. S. Marine Hospital	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Yerba Buena Island	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Mateo County Cemeteries	94	89	81	93	88	95	92	80	84	80	67	67	1010	67	57
Cypress Lawn (Interments)	44	55	46	48	48	70	70	57	54	47	60	57	656	60	57
Cypress Lawn (Cremations)	5	4	5	10	4	4	6	4	8	4	2	2	658	2	2
Eternal Home	8	2	6	5	6	15	4	6	2	7	6	6	73	6	6
Green Lawn	4	2	7	7	8	13	12	7	6	6	8	7	87	8	7
Hills of Eternity	156	158	178	172	179	205	215	169	202	181	160	146	2121	160	146
Holy Cross	42	33	30	6	13	7	9	3	4	12	4	9	83	4	9
Home of Peace	5	2	0	28	45	41	45	20	47	35	29	32	427	29	32
Italian	0	2	0	1	2	1	0	2	1	3	1	2	15	1	2
Japanese	64	57	66	71	50	80	104	68	71	63	62	68	824	62	68
Mt. Olivet	16	15	20	24	27	20	20	17	19	18	21	21	231	21	21
Mt. Olivet—Cremations	5	7	7	14	14	15	18	6	7	6	16	12	127	16	12
Salem	22	25	16	22	20	18	19	10	13	22	13	20	220	13	20
San Mateo—Chinese	1	1	1	1	0	0	0	0	2	1	2	0	10	2	0
Servian	49	46	60	52	57	66	61	65	55	43	35	26	615	35	26
Sunset-Indigent	8	5	12	11	7	7	8	11	8	7	7	15	99	7	15
Woodlawn	2	4	11	10	8	8	10	16	9	20	23	17	126	23	17
Medical Colleges	2	4	11	10	8	8	10	16	9	20	23	17	126	23	17
Outside Points	76	99	102	86	97	107	92	79	62	67	58	67	992	58	67
Total	609	619	664	673	682	800	798	617	669	636	586	556	7909	586	556
No. of Indigent Dead Interred	71	57	60	63	83	68	81	66	70	71	43	39	772	43	39



# Report of Recorder

FISCAL YEAR ENDING JUNE 30, 1916.

San Francisco, July 29, 1916.

To the Honorable,  
The Mayor and the Board of Supervisors,  
City and County of San Francisco.

Gentlemen:—Pursuant to Charter provisions (Article XVI, Section 9), I beg to submit herewith a detailed report of the operations in the Recorder's office for the fiscal year ending June 30, 1916.

### PAPERS FILED.

Fiscal year ending June 30, 1916.....	47,406
Fiscal year ending June 30, 1915.....	46,198
	1,208
Increase in 1915-16 .....	1,208

While the increase shown (1,208 instruments) amounts to but little more than two per cent, a study of the receipts by months, to be found on following page, will demonstrate that the lightest volume of business was during the first part of the fiscal year—the latter half of 1915, the exposition year. During 1916 the operations show an appreciable increase over those of 1915, equaling about fifteen per cent.

Of the more important papers, the filings were as follows:

	1914-15	1915-16
Deeds recorded .....	9,644	10,627
Mortgages .....	7,113	7,243
Deeds of Trust .....	2,190	2,615
Leases .....	473	463
Builder's Contracts .....	1,251	1,028
Releases .....	3,837	4,446

The slight increase in the total number of recorded instruments, it will be seen by above figures, was entirely due to increased filings of deeds, mortgages and deeds of trust.

### CASH ACCOUNT.

	Cash Receipts	Expenditures	Surplus
Fiscal year 1915-16.....	\$72,874.25	\$62,202.96	\$10,671.29
Fiscal year 1914-15.....	72,720.85	62,899.02	9,821.83
	\$ 153.40	\$ 696.06	\$ 849.46
Increase 1915-16 .....			
Decrease 1915-16 .....			

In addition to the receipts for Recorder's fees, as above, there was collected as desk rentals during the year the sum of \$560. This amount was duly paid to the Treasurer as a special account, and is not further considered in the department's operations.

Since the commencement of the new charter era (January 8, 1900), which was also the beginning of my incumbency, the cash statement of the department is as follows:

## RECORDER

	Papers	Total Receipts	Total Expenses	Surplus
1900-01.....	25,776	\$ 39,584.45	\$33,852.00	\$ 5,732.45
1901-02.....	29,242	45,539.60	39,040.56	6,499.04
1902-03.....	35,112	54,077.70	43,000.00	11,077.70
1903-04.....	37,337	57,537.45	43,900.00	13,637.45
1904-05.....	41,360	63,330.85	43,900.00	19,430.85
1905-06.....	40,434	62,143.30	40,935.68	21,207.62
1906-07.....	54,070	83,978.90	56,113.20	27,865.70
1907-08.....	55,729	85,884.55	61,262.49	24,622.06
1908-09.....	64,513	105,619.90	70,400.00	35,219.90
1909-10.....	57,673	97,813.40	71,472.55	26,340.85
1910-11.....	65,291	107,218.15	73,400.00	33,818.15
1911-12.....	56,551	95,534.25	75,522.43	20,011.82
1912-13.....	57,903	91,710.90	72,817.89	18,893.01
1913-14.....	55,552	76,221.65	65,941.31	10,280.67
1914-15.....	46,198	72,720.85	62,899.02	9,821.83
1915-16.....	47,406	72,874.25	62,202.96	10,671.29
				<u>\$295,130.39</u>

For the expenses of this department for the past fiscal year the Supervisors appropriated the sum of \$66,400. Out of that amount \$4,197 was unused and reverted to the city's general fund. Of this sum, \$2,697 was from the amount specially appropriated for copying (which is paid for on piece-work basis), while the balance, \$1,500, was saved from the statutory salaries.

## MONTHLY RECEIPTS PAID INTO THE TREASURY.

1915—July .....	\$ 5,694.20
August .....	5,511.90
September .....	5,283.85
October .....	5,421.45
November .....	5,753.55
December .....	6,283.50
1916—January .....	6,097.75
February .....	6,013.20
March .....	6,998.55
April .....	6,710.55
May .....	6,588.05
June .....	6,517.70
Total .....	<u>\$72,874.25</u>

MONTHLY STATEMENT OF SALARIES AS CHARGED AGAINST THE  
RECORDER'S APPROPRIATION.

1915—July .....	\$ 4,912.08
August .....	4,954.93
September .....	4,837.38
October .....	4,923.03
November .....	5,053.13
December .....	5,304.43
1916—January .....	5,197.73
February .....	5,156.93
March .....	5,624.93
April .....	5,464.83
May .....	5,424.83
June .....	5,348.73
Total .....	<u>\$62,202.96</u>

RECAPITULATION.

Total Receipts for Fiscal Year 1915-1916.....	\$72,874.25
Total Salaries for same period.....	62,202.96

Surplus to credit of department.....\$10,671.29

In addition to receipts for Recorder's fees, as above, there was also collected for desk rentals, and paid to the City Treasurer, a total of \$560.

NUMBER OF INSTRUMENTS FILED AND RECORDED DURING  
FISCAL YEAR 1915-1916.

Instruments	Totals
Acceptances and Abandonments of Buildings.....	1,455
Agreements and Covenants.....	931
Architect's Certificates .....	5
Assignments of Mortgages.....	406
Attachments, Releases and Executions.....	647
Bills of Sale .....	541
Bonds .....	62
Builders' Contracts and Bonds.....	1,028
Certificates of Redemption—State.....	68
Certificates of Residence.....	6
Certificates of Sale, Assignments, Redemptions.....	200
Decrees .....	209
Decrees Establishing Title .....	403
Deeds .....	10,627
Deeds of Trust .....	2,615
Election Expenses (statement of).....	43
Estray and Lost Property .....	1
Homesteads, Declarations and Abandonments.....	380
Judgments, Transcripts, Satisfactions, etc. ....	349
Leases, Assignments and Surrenders.....	463
Liens and Releases of Liens.....	1,376
Lis Pendens .....	577
Lis Pendens to Establish Title.....	392
Maps .....	8
Marriage Certificates and Licenses.....	6,428
Marriage Contracts .....	21
Miscellaneous .....	475
Mortgages of Personal Property.....	1,662
Mortgages of Real Property.....	7,243
Notices of Ownership.....	5
Notices of Sale.....	820
Partnerships, Limited .....	19
Powers of Attorney, Revocations, etc. ....	232
Probates, Decrees of Distribution, etc. ....	863
Reconveyances .....	1,817
Releases of Personal Property Mortgages.....	320
Releases of Real Estate Mortgages.....	4,446
Separate Property of Wife.....	2
Sole Trader .....	5
Street Assessment Bonds .....	201
Total .....	47,406

The event of greatest interest to the department was the removal, from the old Hall of Records, to the new quarters set apart for the Recorder's office in the new City Hall. The removal is now an accomplished fact, and was so arranged that, with the greater part of the work done during the closed hours of a Saturday afternoon and the following Sunday, the public and the title searching companies were saved all delay, confusion and annoyance.

I am pleased to report that the new quarters are satisfactory, in most gratifying degree, both to my office force and to the public. I feel it my duty, however, with the costly results of the great conflagration of 1906 still vividly in mind, to call your attention to one safeguard which has not been applied for the protection of the exceedingly valuable papers and record volumes in custody of this department. I allude to the use of wooden furniture and equipment, whereas metal as the sole constructive material where records are stored is now approved by every responsible official throughout the land who has studied the subject.

My requests were for metal equipment exclusively. Owing to the greater cost of the metal construction, I was not enabled to have my ideas in this regard carried out. My advice now is that, as soon as the funds can be secured, all of wooden equipment now in the Recorder's office be changed to metal. The bulky wooden lockers in the basement, used as storage bins for building contracts, are an especially dangerous fire menace, which should not be permanently maintained.

I respectfully invite and urge your Honor and the members of the Board of Supervisors to visit my department and acquaint yourselves with its operations and its requirements.

Very truly yours,

EDMOND GODCHAUX,

County Recorder.



REPORT  
OF  
Board of Trustees  
OF THE  
San Francisco Public Library  
and Reading Rooms  
FOR THE  
Fiscal Year Ending June 30, 1916

BOARD OF TRUSTEES.

John H. Wise.....	2160 Steiner Street
Edward R. Taylor.....	2326 California Street
Joseph O'Connor .....	338 Pine Street
Ralph C. Harrison.....	Mills Building
James D. Phelan.....	Phelan Building
R. B. Hale.....	Fifth and Market Streets
Charles H. Bentley.....	129 Market Street
Max C. Sloss.....	Supreme Court
Eustace Cullinan.....	Phelan Building
Washington Dodge.....	Anglo & London Paris National Bank
Miss McKinstry.....	2988 Pacific Avenue

The Mayor, ex-officio

George A. Mullin, Secretary.

Miss M. T. Tyler, Assistant Secretary.

COMMITTEE CHAIRMEN.

Ralph C. Harrison.....	Books
Eustace Cullinan .....	Building
Max C. Sloss.....	Rules
Washington Dodge .....	Finance
Charles H. Bentley.....	Branches
John H. Wise.....	Municipal Relations
Joseph O'Connor .....	Printing and Binding
Max C. Sloss.....	Law
Joseph O'Connor .....	New Building

LIBRARIAN.

Robert Rea.

LIBRARY DIRECTORY.

Main Library ..... Hayes and Franklin Streets

## PUBLIC LIBRARY

## BRANCH LIBRARIES.

Fillmore .....	2435 Sacramento Street
McCreery .....	Sixteenth Street, near Market
Mission .....	Twenty-fourth Street at Bartlett
North Beach.....	1457 Powell Street
Park .....	Page Street, near Cole
Richmond .....	Ninth Avenue, near Geary

## DEPOSIT STATIONS.

Bernal Heights .....	3536 Mission
Downtown .....	Emporium
Excelsior .....	4564 Mission Street
Glen Park .....	598 Bosworth Street
Golden Gate Valley.....	3009 Fillmore Street
Ingleside .....	422 Holloway Avenue
Noe Valley .....	1308 Castro Street
Ocean View .....	379 Capitol Avenue
Oceanside .....	Judah Street and Forty-eighth Avenue
Polk .....	1303 Polk Street
Potrero .....	Nineteenth and Iowa Streets
Richmond .....	2314 Clement Street
San Bruno .....	2598 San Bruno Avenue
South San Francisco.....	1202 Railroad Avenue
Sunset .....	845 Irving Street
Visitacion Valley .....	100 Leland Avenue

## REPORT OF THE PRESIDENT.

August 1, 1916.

To the Honorable James Rolph, Jr.,  
Mayor of the City and County of San Francisco.

Sir:

Pursuant to the provisions of Article XVI, Section 9, of the Charter, the Board of Trustees of the Public Library and Reading Rooms presents this report of its activities for the year ending June 30th, 1916.

The reports of the Secretary and the Librarian, appended herewith, cover in detail the operations of the Library in all departments and, while it is not our intention to dwell on the statistics contained in these reports, some figures are herewith mentioned as being worthy of consideration. The growth of the Library since the fire has been indeed phenomenal. After the fire had done its worst we were without any books, except a few that were outstanding and except those in the branch buildings that were outside of the zone of the fire, and these were very few. At the present time the volumes in the Library amount to 176,167. Just before the fire the volumes in the Library were 160,457; thus it is seen that the Library has not only been entirely restored, but more than 16,000 in addition are in the Library. Just before the fire cardholders were 40,479. Now there are 53,513. For the year just before the fire the books in circulation were 830,225. For the year 1915-16 we circulated 1,157,523, and it is well to note this great usefulness of the Library in connection with what it has cost to operate it. The figures show that we expend for salaries 51.7 per cent; that is, only a little more than one-half of the total money expended by us goes for salaries, while 35.4 per cent is for books, periodicals and binding. Thus it will be seen that our Library is not one operated merely to earn salaries, but one for the circulation and for the reading of books. In this respect I think it

well to point out that there is, perhaps, no library in the country in which so small a sum (relatively) is paid for salaries and so large a sum for books. We thus subserve the true and only purpose of a library and furnish the only cause for its existence. It must not be inferred from this that we pay too little in salaries. On the contrary, we pay in most instances larger salaries than are paid in Eastern libraries and at least as much as prevails on this Coast. The reason of our comparatively small salary expense is that no unnecessary employees are put on the staff.

We are making rapid use of the Carnegie money. Out of that money has been built a branch in the Mission district, the work of the architect Mr. G. A. Lansburgh, and which is a success in every particular. The Noe Valley branch is nearly completed and will soon be dedicated. This is the work of the architect Mr. John Reid, Jr., and is a great credit to him. We have appointed the architect Mr. G. A. Lansburgh for the design and building of a branch in the Sunset district of the city and Mr. Ernest Coxhead architect of a branch in what is known as Golden Gate Valley. We now have, in addition to the Main library, seven branches and sixteen deposit stations, and when the two branches in Sunset and Golden Gate Valley are in operation, we will have nine branches. This will make a very large library institution which will require a great deal of money to operate—much more than we have given to us now, particularly in view of the fact that four more branch libraries can be built out of the Carnegie money. It is well for us to insist upon this very strongly because unless insistence is made the needs of the Library will not be appreciated.

The musical part of our Library was greatly enhanced during the year by the sons of the late Rudolph Herold, who generously devoted to the Library the musical scores of their late father, Rudolph Herold.

The Commissioners of the French Government at the Panama-Pacific International Exposition donated, with great liberality and thoughtfulness, the books which they exhibited at the Exposition and which were known as "The Family Library." This collection contains the best literature of France and most of it is handsomely bound.

Two of the most welcome donations to the Library were the two mural paintings by Frank Vincent Du Mond, which were donated by the Exposition Directors and are to be placed in the new library building. These paintings will forever constitute a part of that building and will remain on its walls as glorious reminders of an Exposition without parallel in the world's history.

One of the most successful additions which has been made to the Library has been the story hour for children, which has been started in the Park, Richmond and Mission branches. This was entered upon with much doubt by the Trustees, but its success has been so great as to dissipate all doubt as to its success.

The greatest event, however, of our whole year has been the work done on the Main Library building. The architect of this building is Mr. George W. Kelham, who did so much of the architectural work of our great Exposition. The cornerstone was laid on April 15th, 1916, by the Mayor of the city, and already the work has so far progressed that all the granite is set and much of the interior work has been done. Indeed, unless some unusual event takes place, the building will be occupied by January of next year. The building is indeed a jewel of architecture and its interior arrangements are as perfect as present library architecture can be made. Indeed, our Secretary, Mr. Mullin, and our architect, Mr. Kelham, examined, before the plans were drawn, the principal libraries of the United States, with a view to making ours as perfect as possible. It can be said, I think, with the greatest confidence and without indulging too much in the superlative, that San Francisco is endowed with a library institution in its housing inferior to none in the country.

The press of the city has been very appreciative of our work and we beg to thank them for what they have said in our behalf. We must also say that we have been greatly favored by our staff, without which the results achieved by us could not have been brought about.

Respectfully submitted by order of the Board of Trustees of the Public Library and Reading Rooms.

Edward Robeson Taylor,  
President.

#### REPORT OF THE SECRETARY.

To the Trustees of the San Francisco Public Library and Reading Rooms.

Gentlemen:

Following is a statement showing the Receipts and Expenditures for the year ending June 30, 1916:

#### RECEIPTS.

Balance in the Treasury June 30, 1915....	\$ 35,475.70	
Cash on hand (with Sec'y) June 30, 1915	286.55	
Taxes .....	\$96,990.64	
Fines .....	3,616.40	
Books lost and paid for.....	166.95	
Bindings injured and paid for.....	3.90	
Reserve postals sold.....	256.15	
Subscriptions to Monthly Bulletin.....	1.25	
Old newspapers sold.....	16.20	
Refund on periodical subscription.....	2.00	
Old auto tire sold.....	4.55	
Old auto tube sold.....	.60	
Rent Jersey Street flats.....	92.85	
Witness fees .....	5.00	
Total receipts .....	<u>\$101,156.49</u>	\$136,918.74

#### DISBURSEMENTS.

Salaries .....	\$55,299.65	
Rent of branches.....	1,710.00	
Books .....	27,012.13	
Periodicals .....	2,363.12	
Catalogue cards .....	1,011.75	
Stationery .....	218.92	
Printing .....	2,516.68	
Binding .....	8,502.35	
Furniture and repairs.....	3,986.58	
Expense, sundry .....	1,826.61	
Fuel .....	993.59	
Water .....	726.15	
Insurance .....	870.60	
Total disbursements .....	<u>\$107,088.13</u>	
Balance in Treasury June 30, 1916.....	29,595.91	
Cash on hand (with Sec'y) June 30, 1916	284.70	
	<u>                    </u>	\$136,918.74

## PUBLIC LIBRARY

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## RECORD OF DELINQUENTS.

## FINES.

43,447 Fines collected, amounting to.....	\$3,616.40
1,451 Fines uncollected, amounting to.....	286.00
<hr/>	<hr/>
44,898 Fines imposed, amounting to.....	\$3,902.40

## BOOKS LOST AND BORROWERS' CARDS CANCELLED.

Main library,	45 volumes, amounting to.....	\$ 38.20
Mission branch,	4 volumes, amounting to.....	3.85
McCreery branch,	2 volumes, amounting to.....	1.30
North Beach branch,	6 volumes, amounting to.....	6.75
Richmond branch,	5 volumes, amounting to.....	3.90
Park branch,	10 volumes, amounting to.....	7.95
Fillmore branch,	8 volumes, amounting to.....	6.80
Deposit stations,	24 volumes, amounting to.....	21.95
	<hr/>	<hr/>
Total 104 volumes, amounting to.....		\$ 90.70

## BOOKS LOST AND PAID FOR.

211 volumes, amounting to.....\$ 166.95

## STATEMENT OF EXPENSES FOR BRANCHES AND STATIONS.

Salaries	\$3,799.25	Mission Branch	\$3,303.25	North Beach Branch	\$2,551.25	Richmond Branch	\$3,299.50	Park Branch	\$3,641.35	Fillmore Branch	\$3,118.50	Noe Valley Branch		Ocean View Station	\$ 204.00		
Rent	810.00				900.00												
Furniture and improvements	1,946.79		116.02				98.80		189.70		146.95						
Expense, Sundry	65.50		21.20		14.85		31.60		56.35		39.35						
Fuel	64.59		213.44		59.12		190.60		140.97		133.52						
Water	29.30		139.62		24.80		186.09		24.25		27.50						
Periodicals	161.55		136.95		136.25		131.55		173.20		156.90						
Printing and stationery	115.60		80.85		61.45		117.05		140.50		143.70				4.05		
Binding	696.00		674.25		384.00		714.90		736.65		710.05						
Books	1,720.39		726.49		558.11		1,482.54		1,405.43		1,174.03				4,958.98		
Insurance	64.16		151.83		50.84		20.55		206.16		71.65				2.52		
Totals	\$9,473.13		\$5,563.90		\$4,740.67		\$6,273.18		\$6,714.56		\$5,722.15				\$4,958.98		\$ 210.57
Salaries		Potrero Station	\$ 420.00	Noe Valley Station	\$ 204.00	Sunset Station	\$ 204.00	South S. F. Station	\$ 204.00	Glen Park Station	\$ 204.00	Oceanside Station	\$ 204.00	Visitacion Station	\$ 204.00	San Bruno Station	\$ 204.00
Rent																	
Furniture and improvements																	
Expense, Sundry			.20		.10		2.05							2.45		2.10	
Fuel																	
Water																	
Periodicals																	
Printing and stationery			7.85		7.20		6.60		3.35		3.40			4.90		4.80	
Binding																	
Books																	3.22
Insurance			2.00		6.96		4.88		2.35		4.00						
Totals	\$ 430.05		\$ 219.11		\$ 218.26		\$ 217.53		\$ 209.70		\$ 211.40			\$ 211.35		\$ 214.12	

PUBLIC LIBRARY

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	G. G. Valley Station	Excelsior Station	Polk Station	Down- town Station	Richmond Station	Ingleside Station	Bernal Heights Station	Deposit Collection
Salaries .....	\$ 240.00	\$ 240.00	\$ 204.00	\$ 102.00	\$ 204.00	\$ 204.00	\$ 204.00	.....
Rent .....	.....	.....	.....	.....	.....	.....	.....	.....
Furniture and improvements.....	.....	.....	.....	.....	.....	.....	.....	.....
Expense, Sundry .....	.80	.30	.60	.90	.....	.....	.10	.....
Fuel .....	.....	.....	.....	.....	.....	.....	.....	.....
Water .....	.....	.....	.....	.....	.....	.....	.....	.....
Periodicals .....	.....	.....	.....	.....	.....	.....	.....	.....
Printing and stationery.....	7.05	5.15	7.60	14.95	7.00	4.30	3.95	.....
Binding .....	.....	.....	.....	.....	.....	.....	.....	810.30
Books .....	.....	.....	.....	.....	.....	.....	.....	1,022.09
Insurance .....	.....	.....	.....	.....	.....	.....	.....	.....
Totals .....	\$ 247.85	\$ 245.45	\$ 212.20	\$ 117.85	\$ 210.00	\$ 208.30	\$ 208.05	\$ 1,832.39

Total, Salaries .....	\$23,163.10	Printing and stationery.....	761.45
Rent .....	1,710.00	Binding .....	4,726.15
Furniture and improvements.....	2,498.26	Books .....	13,048.06
Expense, Sundry .....	238.45	Insurance .....	596.08
Fuel .....	802.24	Grand total .....	\$48,871.75
Water .....	431.56		
Periodicals .....	896.40		

Books of Deposit Collection have been distributed to Branches and Stations.

Respectfully submitted,

June 30, 1916.

GEORGE A. MULLIN, Secretary.

## REPORT OF THE LIBRARIAN.

To the Trustees of the Public Library and Reading  
Rooms of the City and County of San Francisco.

Gentlemen:

I have the honor to submit herewith the report of the Librarian for the fiscal year ending June 30, 1916.

The development of the past twelve months marks also the close of a decade devoted to the rehabilitation of the library. When the first steps for the reorganization of the library were taken and the actual work of re-establishing the collection commenced in the basement of the McCreery branch a few months after the fire, the undertaking seemed out of all proportion to our resources. No extra appropriation was made to meet the extraordinary demand made upon a less sum than that accorded other cities of the same size under normal conditions. That this has been accomplished and the use thereof greatly developed is clearly shown in the table of comparative statistics following.

	Circulation		Cardholders		Volumes in Library	
	1904-5	1915-16	1904-5	1915-16	1904-5	1915-16
Main Library .....	384,424	292,789	19,417	13,920	126,325	95,056
Branches—						
Fillmore .....	96,488	112,905	4,620	5,510	6,895	11,453
McCreery .....	74,162	110,288	3,344	5,348	4,735	10,680
Mission .....	128,396	152,733	5,780	7,095	8,162	12,213
Noe Valley .....						5,623
North Beach .....	49,265	64,545	2,546	3,247	4,766	7,216
Park .....	39,452	142,694	1,965	6,285	4,094	11,358
Richmond .....	32,231	132,412	1,269	5,351	2,949	9,579
Deposit Collection .....	23,807	149,157	1,538	6,757	2,532	12,989
Totals .....	830,225	1,157,523	40,479	53,513	160,457	176,167

Although rapidly assembled, the library is in every detail a substantial one. In many respects it is superior to the collection destroyed.

Many files of early newspapers, local literary weeklies, and other rare and valuable early California and San Francisco items have been gradually replaced. Efforts have been directed to the consistent development of the separate departments, such as the fine arts and technical divisions, as well as the general reference and circulation departments. Very few important works are lacking to make the section of fine arts complete, as particular attention has been lately directed to filling in all the significant gaps. The most substantial and important additions both to this and to the general collection were made possible through the medium of extensive second-hand purchases. The technical books are essentially up-to-date, giving this division the utmost practical value. The section devoted to chemistry enjoys the careful supervision of the Pacific Coast branch of the American Chemical Society and thus keeps abreast of the most useful and important works in this field.

From its inception the music department has been supervised by Mr. Julius R. Weber and the fact that its proportions now warrant the provision made for it in the new library building, is due, in a great measure, to his faithful interest. With the material available and the equipment for its proper exploitation, the music library should take its place among the foremost music collections.

Although the work of restoration can not be considered complete, the quality of the material at the disposal of scholar and artisan, though probably less diverse, is better adapted to practical needs than formerly. The possibilities for extension are unlimited when economy of space need no longer be considered.



The number of branch libraries has been increased to seven. Of the four branch libraries undestroyed, two were in rented buildings. These two have since been removed into permanent structures built from the Carnegie fund. The North Beach branch was reopened in a rented building and is the only one of the seven not permanently provided for. The opening of the Noe Valley branch in the near future will provide for a district hitherto indifferently served by a deposit station. The deposit stations have more than doubled in number. From six stations with a circulation of 23,807 they have increased to sixteen, circulating 149,157 volumes. With the Main library building rapidly nearing completion, the most important attainment of all is within reach.

Notwithstanding the distractions of 1915, the circulation of 1,157,523 is the largest so far recorded and is an increase of 58,765 over the year previous. During the year 26,236 new cards were issued, making a total of 53,513. As our registration is of two years' duration, this compares favorably with other libraries whose registration periods date from three to five years.

Special efforts have been expended throughout the year to develop the work with the children, building up and extending as far as possible the usefulness of this division. To this end the work with the schools has contributed greatly. The story hour conducted at the Richmond, Park and Mission branches has been successful beyond all expectations. At the Main library very little can be accomplished in this field. The children's corner overflows the space allotted and their books have long since been crowded out for lack of shelf-room. No class of readers can benefit more from the promise of the new building than the children, as they have suffered most from the limitations of the present one.

The total number of 176,167 volumes does not fully represent the entire resources of the library. Several thousand volumes of public documents were received from Washington through Senator James D. Phelan, and the French government has donated the "Family Library," an attractive feature of the French pavilion at the Exposition. These books have all been stored temporarily in the basement of one of the fire-proof branches. Valuable donations of music, including that of the Herold and Jacobs estates, have been stored, awaiting the opening of the music section in the new building. An additional donation of several hundred volumes of Spanish books was added to the Cebrian collection. Mr. Cebrian's generosity has made our collection of Spanish literature an enviable one.

The Mission branch was opened to the public December 30, 1915. Satisfaction with the building has been general. It supplies a long-felt want in giving the Mission district a commodious and attractive library. The following extract from the architect's description gives a detailed account of the beauty and dignity of the whole:

"The Mission branch library in San Francisco is an interesting example of an individual type of Spanish architecture. Its design was suggested by the fact that the building is located in that portion of the city called the Mission district. The building faces on two streets, with its exterior in matt glazed cream terra cotta with the ornament around the windows and entrances, in the frieze and belt-courses done in polychrome terra cotta of tan, green, orange and blue. The ground story windows and entrances have metal grilles, the roof overhang is wood timbered and the roof is covered with red Mission tiles. The frieze contains the name of the building, while on tablets below the reading-room windows appear the names of authors.

"The main entrance leads directly from the sidewalk through a small vestibule with double sets of doors to the entrance hall, which is finished in marble with plaster cornice. This hall opens to the left into a commodious lecture hall, which also has an entrance from the side street. To the right of the entrance is the children's department. From the vestibule the wide and easy stairs lead directly to the delivery desk in the main reading-room.

"The walls above the book cases and the ceiling are finished in plaster imitation of travertine stone. The windows are round headed and have penetrations over them into the arched ceiling."

An exceptional stock of books, both in point of quality and quantity, has been prepared for the Noe Valley branch. It is expected that some of the patronage of the Mission branch will be deflected to this branch.

Work has proceeded at the Main library under the most congested conditions. The rooms are at all times overcrowded and there is not adequate shelving for the books as they are received. Such conditions have doubled the work in all departments, but in spite of these difficulties, efficient service of the public has not been impaired.

An inventory was taken at the Main library and at each branch and although not quite complete, the number of books missing, particularly from the Main library, is considerably less than expected.

The new library will make necessary a number of new departments whose conduct will require many new assistants. An examination of applicants was held April 8, 1916. The tests were conducted along slightly different lines than formerly and an unusually large number of candidates has taken the probationary work. For the purpose of maintaining the standard of service and encouraging efficiency, some amendments to the rules for library service have been adopted.

The problem of supplying assistants to fill positions during the vacations of the regular members of the staff has been a trying one for a number of seasons past. In anticipation of an increase of this difficulty with the enlargement of the staff, provision for the employment of temporary vacation substitutes has been made. The practice of holding an examination for substitutes when there are no positions to offer save a few months' employment in the summer, will be no longer necessary. By this means it will also be possible to confine the vacations to the three months during which the work is lightest and the period need not be prolonged into the fall.

A series of bibliographies for the municipal reference library has been compiled by the reference librarian and published in the Municipal Record at intervals. The publicity obtained has given some prominence to this department, which is to be an important one when accommodations may be provided for its separate conduct.

The method of supplying the outlying districts by deposit stations has been generally productive of very good results. In some instances, however, more satisfactory arrangements should be made. Conducted in a small store, the library station is usually secondary to a commercial consideration both in point of service and in the amount of shelf-room allowed. The collection, of necessity limited, must be further curtailed to meet these conditions, and room for a few essential reference works and the opportunity to use them is denied. In several locations this lack of a reading room is really a serious deprivation and the matter of some improvement in the establishment of a sub-branch is one worthy of attention. Such a sub-branch in a small rented building with a trained assistant in charge of a suitable assortment of books would be greatly in advance of the present system.

Many other improvements similar to those successfully developed by other cities suggest themselves, but unless the appropriation be increased they cannot be carried out. The appropriation has not kept pace with the growth and development of the library during these later years.

Expansion in the matter of new branches alone under financially inelastic conditions is accomplished with difficulty. The equipment of a new branch involves not only maintenance as well as an increased expenditure for books inadequately provided for, but from the time of ordering the books until all have been catalogued and placed upon the shelves an immense amount of extra work

is exacted of all. With a staff one-third less than that of any other library undertaking a like volume of work this is somewhat of a hardship.

A detailed account of the work in various departments follows in extracts from reports made by heads of departments and branch librarians.

In closing I wish to commend the fine spirit of the staff whose untiring energy and courtesy have made it possible to handle successfully the large volume of work under the most adverse conditions. To them and to the Honorable Board of Trustees I wish to express my sincere thanks for their co-operation and help throughout the year.

Respectfully submitted,

ROBERT REA, Librarian.

#### REFERENCE DEPARTMENT.

In submitting the report of the reference department for the year 1915-16, it should be stated that the work falls into three main divisions: the use and care of the general reference library; the handling of bound and current periodicals; and the service given to newspaper readers.

With regard to the reference work proper, the year from beginning to end has been a period of unvarying activity. The requests for books and information, of necessity, cover a wide range of topics. The lines of development in the use of the reference department have been in the sections of fine arts and modern languages, both demand and supply in these subjects having been greater than in past years. The keen interest in modern painting, sculpture, tapestries, and music proved the value of every purchase in these classes; while the collection of books and periodicals in the Spanish language has been a source of pleasure to the readers who drew from it throughout the year.

During the late winter and early spring months there was a remarkable increase in the use of the teachers' professional literature—pedagogics, reviews and all publications bearing on the modern interpretation and application of educational theories. As might be expected, while the schools are in session the help given to school children and the guidance of the library work of the older students have been increasingly important functions of this department.

The use of technical material, always a special feature of San Francisco reading and reference rooms, shows its greatest activity in the lines of chemistry and electricity. There is a marked revival of interest in works on naval architecture and marine engineering. The demand for recently published books on business methods is constant and urgent.

In considering the second division of the service, the care of the current and bound periodicals, it is a satisfaction to note that the range of usefulness of this department has been greatly extended by the additions made to the subscription list during the year; there is active demand for English, French, German and Spanish weeklies, as well as for all art and technical journals. While publications of the higher grade are subjected to the most severe wear, all magazines that print comment on the events of the passing months have a large following of eager readers.

There can be no doubt that the third branch of work assigned to the reference department, supervision of newspapers on file in the library, is of increasing value to the public. The daily attendance of readers is large; but the searching done in the earlier issues of the San Francisco papers by lawyers, newspaper men and others is often of vital importance, as the information sought can be obtained in no other way. It is good to be able to say that the gaps in these files of papers are closing as old copies come to light in various parts of the state, and are acquired by the library.

As the reading and consulting of books, magazines and newspapers must be done in one room, overcrowding has been unavoidable. All available space is

filled from early in the day until closing time. The establishment of the municipal offices in the Civic Center and the location of extension classes of the University of California in the building of the High School of Commerce made the reference department easier of access for many readers. This was particularly noticeable at noon and in the evening. There has been a marked increase in attendance during the hours between six and nine p. m.

According to the practice of making preparation for special holidays and festivals, a selection of Shakespearean literature was displayed during the Shakespeare tercentenary celebration.

In reviewing the twelve months ending June 30, 1916, three points are notable as characteristic of the year's work; first, the large use of reference material, particularly in the sections devoted to fine arts and technical literature; second, the heavy demand for periodicals, with the resulting strain on the supply; third, the increased number of busy men who spend their evenings in the companionship of friendly books.

MARY ALOYSIA BYRNE, Reference Librarian.

#### CATALOGUE DEPARTMENT.

There were catalogued in this department for the fiscal year just ended, 24,407 volumes. Of this number, 13,763 were new titles, an increase of 2,292 new titles over the preceding year. While the total number of volumes shows a decrease of 446, this is due to the fewer number of replacements of worn-out copies. The following table shows the number of books catalogued:

	New Titles	Additional Volumes	Additional Copies	Replace- ments	Total
Main Library .....	6,250	2,398	1,030	1,762	14,440
Branches .....	7,513	615	3,578	1,261	12,967
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
	13,763	3,013	4,608	3,023	24,407

In the Branch department, the transference of the records from the small branch union cards to the larger cards has been completed, rendering the branch work easier to handle. The small cards have been arranged in shelf-list form to facilitate their use for reference. About 4,300 volumes are ready for the opening of the Noe Valley branch.

The librarian of the Richmond branch has completed the shelf-list for that branch, and the shelf-lists for the Fillmore, Mission, and McCreery branches are nearing completion under the supervision of the branch librarians. Guide cards were made for all the branch catalogues, replacing the old ones in use. The department proposes next year to make cross references to bring out all related subjects in these catalogues. This will increase their usefulness making the resources of the libraries more available, by calling the attention of patrons to many subjects of interest which might otherwise remain unnoticed.

The great number of Library of Congress cards ordered is due to the increased number of new titles added and to the constant replacement of soiled cards in the cabinet, by new cards. These soiled cards show the great usage the catalogue receives.

The publications during the year included the regular Monthly bulletin, the annual cumulated author list, and a list of current periodicals. The proof for the annual report was, as usual, read in this department. Lists of books on business, commerce, child welfare, gardening, and art appeared in the Bulletin. The list of books on art, with special reference to the art exhibit at the Exposition, was prepared in the Reference department, the other lists were prepared in this department. A list of books on vocational guidance was set up on

the multigraph and distributed to the graduating classes of the grammar schools through the co-operation of the Board of Education. The improved appearance of the Monthly bulletin is due to the change of type and to the arrangement of the classes of books. Still further improvement could be made, if annotations of some of the more important books were added in the form of quotations from book reviews.

With so few assistants it is difficult to undertake some very desirable projects, such as further analytical work (especially in connection with the juvenile catalogue) and the issuance of printed lists. However, a list of the more popular books in the library in the Spanish language is in preparation. Such a list is in great demand and it is hoped to complete it in the near future.

The work of re-classifying the public documents is contemplated. The Superintendent of Documents at Washington has issued a check-list of documents which makes their use more convenient in many ways. It is proposed to make our system conform to the numbering of this check-list. The chief cataloguer visited Sacramento during May to investigate the usage of the State Library in this regard.

Each of the thirty-one probationers under examination spent a week in the catalogue department. Being taken in groups of five or six, they were given some rudimentary instructions in the technical side of library work by means of lectures and actual practice on some of the simpler records. The aptitude which they displayed helped to determine their fitness for positions in the library and prepared the successful candidates for an understanding of the fundamentals of library work. The interest and progress shown by the probationers demonstrated the values of such lectures.

ALICE M. HEALY, Chief Cataloguer.

#### ORDER DEPARTMENT.

The total number of volumes purchased during the year is 25,647; of this number 16,404 are new titles, 4,608 additional copies and 3,023 replacements. Although this is an increase of 1,000 new titles added, the fact that 5,623 volumes comprise the Noc Valley branch shows a decrease in the actual amount of new material provided.

A comparatively limited number of new books whose quality and popular interest justifies their inclusion in a public library have been presented by the book trade for the consideration of the reading public. Consequently fewer new titles have been selected monthly, by the Book Committee, from the material brought to their attention through the regular channels of trade and literary reviews.

The paucity of output is particularly noticeable in the British publications, and the American market has been correspondingly influenced. Literary activities along the lines of scholarly, and technical or popularly informative works, have been suspended to a great extent on account of the war.

On the other hand, the decrease in the number of volumes added, apart from the impetus lacking in the supply of new books, is also indicative of the gradual solidification of the collection. The policy of the library in purchasing thousands of volumes yearly from second-hand book dealers has been necessary for the establishment of the library on those foundational works of substantial value that are no longer in print. Thus the decrease in second-hand purchases from 6,000 volumes last year to 3,436 volumes for 1915-16 is evidence of the determined and permanent growth of the essential composition of the library.

The principal additions were made in the fine arts division. A number of very fine sets and single works of value have been acquired. Dictionaries in Slavic and non-European languages were added to the reference collection.

Several hundred volumes of new material were provided for both the Richmond and Mission branches and many of the older books at the Mission branch have been withdrawn for the substitution of more up-to-date reference works.

The Noe Valley branch will open with an exceptionally attractive and complete stock of books. Many months have been devoted to providing this branch with a well-selected, practical and useful collection. A similar selection is to be provided for the Mission branch, whose supply of books will be further extended and freshened.

The contract for furnishing domestic publications was again awarded to the White House. Some slight changes in the discounts offered for the coming year have been made, but an entirely desirable arrangement for the library continues in force.

Foreign and other publications remain with Stechert & Co. of New York, who afford superior service and moderate terms as usual.

Many new works have been added to the music section on the recommendation of Mr. Julius R. Weber. A valuable gift of Mr. Rudolph Herold's orchestral library was presented to the library by the Messrs. Rudolph J., Oscar, Hugo, and Roderick Herold. The late Mr. Herold's library is a well-known and important collection and will greatly enhance the quality of the music section.

Mr. John C. Cebrian has increased his donation of Spanish books by several hundred volumes. The Spanish section under Mr. Cebrian's patronage is becoming a notable one. Mrs. Rafaela G. de Marco very kindly compiled an elaborate list of Spanish additions, the greater number of which were at once ordered. Miss Godchaux, as before, has directed the principal French purchases.

ANNETTE WINDELE, Chief of the Order Department.

#### BINDING DEPARTMENT.

The number of books bound for the branches is approximately the same as last year. The increase shown below is confined principally to the Main library and the deposit stations.

	1914-15	1915-16
Main library .....	4,417	5,609
Deposit stations .....	1,276	1,717
Fillmore branch .....	1,182	1,309
McCreery branch .....	1,126	1,378
Mission branch .....	2,104	1,565
North Beach branch.....	669	719
Park branch .....	1,514	1,495
Richmond branch .....	1,242	1,409
Totals .....	13,530	15,201

TABLE SHOWING MATERIALS USED.

	BOOKS.						
	*Oa	HB	Cow	Mor	Vel	OaP	Rec
Main library .....	2,813	1,544	95	17	21	47	57
Deposit stations .....	1,672	45	---	---	---	---	---
Fillmore branch .....	1,099	130	8	---	---	4	---
McCreery branch .....	1,153	148	8	---	---	1	---
Mission branch .....	1,307	179	11	---	---	2	---
North Beach branch.....	628	22	4	---	---	1	---
Park branch .....	1,117	291	8	---	---	---	5
Richmond branch .....	1,230	104	5	---	---	3	3
Totals .....	11,019	2,463	139	17	21	58	76

	Periodicals						News- papers	Totals
	HB	Cow	Duck	Mor	OaP	Rec	Duck	
Main library .....	567	55	159	136	6	2	90	5,609
Deposit stations .....								1,717
Fillmore branch .....	10	58						1,309
McCreery branch .....	9	59						1,378
Mission branch .....	10	45						1,565
North Beach branch..	8	56						719
Park branch .....	21	53						1,495
Richmond branch ....	12	52						1,409
Totals .....	637	378	159	136	6	2	90	15,201

\*Oa—Oasis

Vel—Vellum

Rec—Re-case

HB—Holliston Buckram

OaP—Oasis paneled

Mor—Morocco

Cow—Cowhide

The rebinding of books and the binding of periodicals, newspapers and other serials, continues to be very satisfactory. Some improvements in the finishing have been suggested for the coming year.

The work of the year includes the binding of eight sets of magazines purchased unbound. Among these may be mentioned 108 volumes of the London Quarterly Review and 37 volumes of the Pennsylvania Magazine. There were also bound 179 volumes of the publications of the Early English Text Society.

#### PERIODICAL DEPARTMENT.

The periodicals subscribed for at the present time are practically the same as last year. The total of these now amounts to 375 for the Main library and 301 for the branches (These figures include duplicate copies). The Main library also subscribes to 27 newspapers, and each branch to 5 local newspapers. A number of periodicals and newspapers are received as gifts (periodicals 153, newspapers 53). These gifts do not include federal, state and municipal documents nor university and library publications.

A number of periodicals have ceased publication during the year and several have been consolidated.

G. E. Stechert & Co. of New York City continue to supply the library with its foreign periodicals. These are not received as regularly as during the first year of the war, but the greater portion of them eventually reach the library.

BERTHA S. HAFNER, Binding and Periodicals.

#### BRANCHES AND STATIONS.

Although the actual growth is indicated in the figures of the statistics, the steady increase in all departments of the work and the new activities undertaken in the new and old branches alike, constitute a significant development apart from the gains in circulation. The new buildings for the Mission and Richmond branches have been inadequate in every respect for the sections served. At the busy periods at the Mission branch the building is well filled but not to discomfort. More reference work has been done advantageously and the public need depend less upon the Main library as a source of casual help and information.

A better understanding of the resources of the Main library as available for branch readers through the messenger service, is becoming more general. The change in the form of order slip has given more latitude in filling the orders and the number of those returned unfilled is consequently lessened. Many of the orders received daily at the Main library must be looked up in the main catalogue for call number or other information.

It has been difficult to meet the demand for foreign books for readers at the branches and stations. Owing to the lack of a printed list the main collection is comparatively inaccessible for these readers except for calls made for recent titles appearing in the Bulletin. In order to improve the supply for each branch it will be necessary to add extensively to the deposit collection.

The story hour has been established in three of the branch libraries and will be adopted in all as soon as suitable provision can be made to undertake this work successfully. Not only is it of great interest to the children but it is a very necessary feature of work with juvenile readers.

Although there is always a public demand for new branches it is not always possible to respond. A new building in the Noe Valley will be occupied as the seventh branch, and will be opened in the near future. At present five of the branches are in permanent library buildings.

No new stations have been opened during the year but the end of the station department in supplying books for those who for lack of time can not go to any library has been conscientiously served. Meetings of the branch librarians were held at intervals throughout the year.

The formal opening of the Mission branch took place December 30, 1915. Although the opening had not been advertised it was very well attended. The comfort, beauty and equipment of the building met with general approval and appreciation. It is now felt to be permanently adequate for the district.

At the North Beach branch development is hampered to a certain extent by the overcrowded building. The shelves require constant shifting and supervision to preserve any degree of order. The greater number of the juvenile readers at this branch are of the Oriental and Latin races.

The advance accomplished by the Richmond branch in the past two years has been considerable and even greater growth can be hoped for. The district is a large and growing one and is extremely progressive.

At the Park branch colored picture books have been provided for the younger children. Besides providing entertainment and distraction for the children they have been of great assistance as they spare the collection much handling and lessen the time taken up by unnecessary sorting. Special occasions such as the Shakespeare tercentenary, etc., have been prepared for with assortments of books and picture posters.

The Fillmore branch in spite of the alterations made not long ago is much too small for the number of readers who come daily to this branch. Particularly in the winter, conditions are most uncomfortable.

BELLE A. GOLDMAN,  
Supervisor of Branches and Stations.

#### MISSION BRANCH.

After more than twenty-five years, during which the Mission branch has outgrown a number of temporary locations, it is permanently established in the new building at Twenty-fourth and Bartlett streets. This is the second branch to be built from the Carnegie fund and has justified expectations in the handsome and practical building designed in harmony with the historic associations of the Mission and meeting every requirement of comfort.

The greater part of the collection acquired in recent years is a substantial and important basis for the new building's collection. Numbers of the oldest works have been abandoned and preparation has been made for the introduction of several hundred new books. Many of these new books of a practical and interesting quality have been purchased and are in process of cataloguing. It is intended to renovate the whole collection and to make further additions to all the classes.

At present the children's department is included in the main reading room but a separate room has been provided on the ground floor for this branch of



the work. The story hour is being conducted here with great success, and when the juvenile work is undertaken separately the best results may be looked for.

With the additional space afforded by this transfer, the building will meet comfortably the demand made upon it by the large district served, as well as provide additional shelf-room for the new books needed. The circulation of 152,733 volumes is an increase of 2,800 for the year. In consideration of the decrease incident to the days during which the library was closed for removal this is a satisfactory advance in proof of durable growth.

A complete revision of the records has been undertaken and the installation of a separate shelf-list completed. The work of taking an inventory of the books is well under way.

The total number of volumes in the branch at present is 12,213 and the number of cardholders is 7,095.

The timely use of every possible means of extending the library influence through the schools and district organizations contributes to increase the number of persons availing themselves of the library's resources. With the opening of school many activities suspended during the later months of the term and during vacation will be resumed and with the new books well on their way, greater development can be looked for in the coming months.

#### PARK BRANCH.

Work at the Park branch maintains a steady increase in all departments. During the winter months the attendance was unusual. It was difficult to accommodate the number of readers who crowded the building during the busy hours. The usual slight decrease incident to the summer months is more noticeable this year in contrast to the sustained circulation of last summer due to the Exposition.

Additions for the year have been many and well distributed throughout the classes. The demand for French and German books continues, and, in addition, requests for Spanish books have been very general.

The juvenile department becomes more popular yearly, the seating capacity is far too limited and our shelf-room will soon be overcrowded. In May the story hour was introduced and has been very well received. The schools were notified and announcement made in the neighborhood paper and as a result an attendance of from eighty to two hundred children between the ages of four and twelve years has been recorded each week.

Programmes consistent with the age of the children and arranged to be instructive and interesting have been carried out.

The picture bulletins and posters have been of interest to adults as well as to the children.

A long felt want has been filled in the supply of picture books for the smaller children. The younger children are satisfied with these table books instead of misplacing numbers of books on the shelves in a search for colored pictures.

The amount of reference work is constantly increasing. With the important additions made to this section during the year the material at our disposal is greatly improved and requests for assistance can be met with facility.

The customary visits have been paid to the neighboring schools and the same harmonious co-operation has been maintained.

New cabinets for catalogue and shelf-list have been installed, adding greatly to the working convenience.

#### RICHMOND BRANCH.

The second year in the new Carnegie building has been one of continued growth. The increase of patronage shown with the establishment of the branch

in the new building has not wavered and the total circulation for the year of 132,412 volumes for home use is an advance of 20,057 over last year. The number of cards in force has increased to 5,351, an addition of 936 for the year.

The story hour for children was started at this branch in March, and has been an important feature of the year's work. The auditorium was arranged as comfortably as possible, by the installation of low benches for the little children, and the addition of posters and flowers has added to the general interest and attractiveness.

The story hour is held every Friday afternoon after school and has been very well attended. From 96 to 275 children have attended weekly. The first half hour is devoted to the younger children and the last half to the older ones.

The programmes are planned to begin with fairy stories, legends and other favorites, and to progress gradually to the popular classics of all literatures.

The schools in the vicinity have been visited and applications have been distributed to teachers and pupils. The library has successfully supplied the demand thus created for books supplemental to school work and of a class indicative of better directed reading. Material for teachers' lists have been supplied partly from the branch collection and partly from the Main library.

The supply of reference books has been greatly improved. Everything is up-to-date and practical. Old editions have been replaced by the very latest and many new authorities have been added. Consequently reference work can be readily and satisfactorily undertaken with excellent results. All the miscellaneous books are being analyzed, giving prominence to all the available material on different subjects not brought out in the cataloguing, making such data readily accessible at short notice.

Careful supervision of the shelves in promptly discarding soiled and shabby copies of books and rebinding those in need of restoration improves the general appearance of the collection and adds to the working value of the books.

The extra copies of the daily newspapers have been a source of satisfaction to the patrons and an improvement in this service.

During the time spent by probationers at the branch an inventory of the books was taken with their assistance.

The building is comfortable and commodious and is a constant source of satisfaction to all who use the library.

#### FILLMORE BRANCH.

During the past year the work at this branch was affected to a great extent by the Exposition. The call for books on art, architecture, music, legendary lore, etc., was more pronounced than ever before. Continued interest in this class of reading has perceptibly lowered the fiction percentage. As the knowledge and appreciation of the collection of music at the Main library has increased, some patrons have preferred to consult the music there directly, rather than send for it through the branch, thus recording a decrease of usage here in that class of books.

With the exception of occasional interest in Exposition topics, the demand for material for club programmes, usually a prominent feature of the work at this branch, was not as great as usual. This activity will no doubt be renewed in the coming months and preparation for it is being made by listing magazine material on topics of current interest.

The schools have been visited and every possible assistance has been given in filling the wants from teachers' and children's lists. It is, of course, impossible to meet the demand for fifty or more copies of supplemental texts but everything that is within our resources is at their disposal. Several private schools in the neighborhood have specialized along reference lines not coincident with that of the public school, and it is therefore possible to help both.

The class of new books received during the year has helped to increase the reading of non-fiction. Many popular and timely works of general interest in all the classes have been received as well as the new fiction.

Statistics for the year show a noticeable increase but the need for a larger building grows more evident every month. Some minor repairs have been made but the branch is much crowded for shelf-room, and is without space for the activities which the newer branches are able to develop. This is particularly true of the children's department, for which a separate room is an urgent necessity.

During the last month an inventory of books was taken. In this the probationers who were at the branch during that time were of practical assistance as well as eager to learn and genuinely interested.

#### McCREERY BRANCH.

The number of volumes circulated for home use during the year was 110,288, showing an increase of 6,683 over last year. This increase is characterized by an unusually large juvenile circulation. The number of juvenile books issued was 26,052, slightly less than one-fourth of the total circulation.

Applications have been distributed in all the schools in this locality and the number of school pupils using the library has greatly increased. Even better results may be looked for when the story hour shall be conducted at this branch within the next few months.

An effort to popularize the other departments of the library through some relation with neighborhood organizations is programmed for the near future. The exceptional facilities at this branch are well worth the encouragement of greater extension.

The number of new cards issued was 2,328, bringing the total number of card-holders up to 5,348.

The card catalogue has been enlarged and some work of revision has been completed. Soiled and worn-out cards have been replaced and many additional entries made. The work of compiling a new shelf-list uniform with that of the main library has been undertaken.

The reference collection at this branch is one of the most comprehensive and useful. Some additions have been made during the year and the encyclopedias are to be withdrawn in favor of later editions.

Arrangements have been made for the renovation of the building and the installation of new lighting fixtures.

#### NORTH BEACH BRANCH.

The result of the visits paid to the numerous schools in this vicinity has been felt in the increased number of children who use the library. The connection being first established through the medium of the school work, it is not long before an appreciation of everything the library has to offer is developed, consequently the children's corner is crowded daily. Lists of books of particular interest have been prepared from time to time and have been of interest and assistance. It is not possible to introduce many features of the work with children such as have been undertaken at the larger branches solely on account of the lack of room. The field is an excellent one, as the direction of the reading of the Oriental children and the children of other foreign parentage is a necessity. The present limited space not only hinders the work but does not afford shelf-room for needed books.

The greatest number of additions for the year have been in the juvenile department where many lacks have been supplied.

The circulation for the year totals 64,545, of which 2,633 were books in foreign languages.

# Assessor's Report

San Francisco, August 1st, 1916.

Hon. James Rolph, Jr.,  
Mayor of San Francisco,  
City Hall.

Dear Sir:

In compliance with the provisions of Section 9, Article XVI, of the Charter, I beg to submit my annual report for the fiscal year ending June 30th, 1916. I have compiled tables from the Budgets since 1901 showing the expenditures of each department of the City Government, annual appropriation, cost per capita, and what proportion of the entire Budget each department requires, also table of cost of assessing since 1880.

Respectfully yours,

JOHN GINTY,  
Assessor.

## ASSESSMENT ROLLS.

On July 3rd, I delivered to the Clerk of the Board of Supervisors the assessment rolls of the City and County. With the increasing work of the office, it is becoming more apparent that the time allowed by the State law, from the first Monday in March to the first Monday in July, is too short a time to complete the work in a satisfactory manner, and the appropriation for this office is insufficient to make needed investigation. This year, there was a delay in furnishing the office with proper furniture and proof reading rooms, where work requiring seclusion from noise and interruption can only be correctly done. These rooms were built in the building for use of this office, and every department in the city except the Assessor's Office has been furnished rooms for this purpose, but mine were taken away from me over my protest for use of another department. This fact increases the possibility of clerical mistakes, which might lead to a loss of taxes.

The building committee ignored all requests from this office, and the spirit for better work was broken by knowledge that those offices having the spending of money, were better taken care of than those offices whose principal duty is to provide revenue for the City and this office provides 81% of the entire revenue. It is a well known axiom that to do good work the employee must do it enthusiastically, and if proper equipment and recognition of good work performed is not given, enthusiasm in the work will fade correspondingly. The fair and legal assessment of property is, perhaps, the most vital business of local government; the Assessor's duties are correspondingly responsible, and his work is so important to the people that he should not be needlessly hampered by a lack of proper facilities and accommodation.

It is absurd to expect that the Assessor's Office can go on year after year on the same budget appropriation. No other office, public or private, reflects the conditions in San Francisco as does the Assessor's. The average increase of population during the last fifty years has been seven thousand a year, which means increased cost in distributing and collecting statements and taxes on personal property, with the additional entries in the cash book and assessment roll.

New buildings call for new appraisements, and additional map work, buildings torn down or destroyed by fire require the same amount of extra work.

Subdivisions of land also increases map work, appraising and writing of the roll.

A lively real estate market requires more changes of owners on the block books and adjusting of assessments to correspond with new sales.

A depressed real estate market lowers values, and more complaints of over assessments are made, requiring new investigations and adjustments.

New stores, manufactures and business enterprises require new investigation and alertness to prevent them from escaping taxation of their personal property; also furnishings for new hotels, apartment houses, flats and residences and new taxable shipping. Even deaths add their quota to the increased work in the form of searching the probate records for inventories of personal property, often leading to discovery of a large amount of property that was never returned for assessment when decedent was alive. Correspondence by mail increases each year.

All this additional work is not easy, nor does it flow into the office like water running down hill but requires study and investigation bordering on detective work, as well as ingenious plans to obtain the information necessary to make a fair, equitable assessment. Installing of new labor saving systems makes it possible to do a greater amount of work in a short time, but costs money to install. The law only allows the Assessor about ninety days to complete the assessment, collect taxes, and write rolls for 150,000 pieces of real estate, and eighty thousand buildings. The ownership is represented by 155,000 names, while the personal property calls for more than 160,000 personal property assessments.

## REAL ESTATE INDEX.

Quite a saving could be made if the real estate index was printed and the type left standing, as the changes in ownership are less than twenty per cent. per annum. The cost the second and subsequent years would be only one-fifth of the cost of the first year's installation. In addition, the publisher would probably find sales for a large number of copies to real estate men, searchers of records, bankers, insurance brokers, merchants, newspaper men, advertising men and attorneys; giving them complete record of ownership of every lot in the city, which could be found as quickly as a name and address can be found in the city directory or telephone directory.

## LACK OF EQUIPMENT.

This office has never been fully equipped. In other counties the county surveyor makes the block books. New York City has one appraiser for every 10,000 lots, and pays each of them \$7000 a year. San Francisco has only three appraisers and pays them \$2100 a year. It would require five years for three men to correctly appraise the values of the whole city, and the law requires it to be done each year.

The expenses of this office are not governed entirely by charter provisions, or the will and pleasure of the Board of Supervisors, but are obligatory by State law. Section 3658 of the Political Code reads:

"The Board of Supervisors of each county shall furnish the Assessor the necessary room, furniture, stationery and the proper books, blanks, maps and plat books for use of his office. If the Board of Supervisors of any county fails or refuses to provide and furnish the Assessor with the proper books, necessary office room, furniture and stationery as in this section provided, then the State Board of Equalization must, upon the application of the Assessor, provide and furnish the same. The cost of such books, blanks, maps, plat books, office room, furniture and stationery shall be a county charge, whether same be provided and furnished by the Board of Supervisors or by the State Board of Equalization, and must be paid in the same manner as other county charges from the county general fund."

The state board has a right to deduct the cost from any moneys due the county by the State.

## THE NON-OPERATIVE ROLL.

The non-operative roll taxed exclusively for the city purposes is as follows:

Value of Land.....	\$303,575,489
Value of Improvements.....	175,387,605
Value of Personal Property.....	64,599,762
Total .....	<u>\$542,562,856</u>

As will be seen, land pays 55 5/10 per cent of all taxes, improvements 32 3/10 per cent, and personal property 12 2/10 per cent. The non-operative roll shows an increase over that of 1915 of \$3,859,106, notwithstanding \$764,650 was taken off of improvements due to depreciation, and \$435,920 was transferred to the operative roll, and \$1,598,492 was lost on land in re-appraising property to correspond with values as evidenced by later sales. Approximately \$785,588 was added to land values due to increased values as shown by sales. It also includes increased assessed values on lands formerly occupied by the Panama Pacific Exposition which have been turned back to the owners on cancellation of their leases. The total of the operative roll, taxed exclusively by the State is \$215,789,509, an increase

of \$98,149,030 over last year. This is mainly due to the assessment of the franchises of all corporations made by the State Board of Equalization, and it is the first time it has appeared on the San Francisco roll, and will result in the State paying to the City on a basis of an 18 cent rate, \$176,668 to be applied on bond interest and redemption of bonds that were outstanding, November 8th, 1910.

As a saving of expenditure of \$54,256 equals one cent in the tax rate, this new assessment is equivalent to a saving to the tax payer of  $3\frac{1}{4}$  cents in the city tax rate this year.

Last year I was denied an appropriation of \$250 to obtain these assessed values from Sacramento, resulting in the city losing the taxes on the franchise assessments. This year your finance committee granted me \$300 for this purpose, and the city will receive about \$170,000 in return for the \$300 appropriation, a striking example of complying with the request of this office for additional appropriation, when it is shown it would result in an increase of income to the city.

The total amount of taxes the city will collect on \$2.33 rate is \$12,641,714. The total assessment of operative and non-operative property is \$758,352,365. If this amount was subject to city tax rate to raise \$12,641,714 the tax rate would be \$1.667 on the \$100 assessed value. The average assessed value per capita is \$1435.

#### COST OF COLLECTING TAXES.

The cost of collecting unsecured personal property taxes by this office is about \$10,000 a year and as the Tax Collector has to collect an additional amount on account of an increased tax rate, the same work the Assessor is required to do is again required to be done by the Tax Collector; a needless duplication of work and expense.

Prior to 1874 the Assessor was not required to collect taxes and California is the only State in the Union collecting on two different tax rates the same year, increasing the cost of collecting taxes and annoying the tax payer. While it may be useful in some counties, it is a nuisance in San Francisco, and the law should be amended so that this city would have the right to collect the unsecured personal property taxes at the same time that the taxes on secured property are collected; the loss, if any, would be insignificant as few people would take the chances of being sued for delinquent taxes and have a judgment docketed against them that is collectable in any county or state to which he may remove.

#### EFFICIENCY RECORD.

In 1899 Dr. Washington Dodge was elected Assessor. He brought with him new men who established and installed an equitable, scientific and honest method of assessing, which led to the discovery of a large amount of personal property that had escaped taxation. Established principles of taxation that had not been heretofore adjudicated, including the assessment of franchises, National banks, mortgages secured by land outside of the State, loans secured by exempt collaterals, stocks of corporations whose assets were located outside of the State, shipping, bonds and moneys deposited in New York (the owner being a resident of this State). Twenty-three cases were appealed to the Supreme Court, and in every case the work of the Assessor was sustained.

In 1903 the assessment of Personal Property was \$86,172,201 higher than in 1898; assuming this newly discovered property has been assessed each year since that time, and applying an average city tax rate of \$1.517 as the rate which this increase has paid, the city has collected \$20,919,335 in the last sixteen years; even allowing a liberal estimate for changes and withdrawal for state purposes, the city is still millions of dollars ahead for having selected a capable, honest Assessor.

During this term the total expenses of the Assessor's Office has been only \$1,664,596. This makes a record for efficiency and knowledge of assessment laws unequalled in the United States.

Since 1912 the city has collected over \$128,000 taxes on impounded money in United States courts, heretofore considered non-taxable by able attorneys and this year the increase in taxes on franchises, assessed for the first time, is \$170,000. This last named assessment will be repeated in future years until all bonds outstanding November 8th, 1910, have been redeemed.

Notwithstanding the increased work of the office incident to the discovery of new property and subdivisions of land, the cost per \$1,000 assessed value has steadily declined from 32 cents in 1898 to .137 in 1916 as shown by the following table:

Year	Total Assessment	Budget Expense of Assessor's Office	Cost per \$1000 Assessed Value	City Tax Rate	Assessor
1880.....	\$253,545,476	\$222,628	\$0.875	1.37	Alex. Badlam
1881.....	222,433,400	133,732	.601	1.57	
1882.....	202,162,007	107,398	.531	1.15	
1883.....	221,225,245	87,145	.393	1.2063	Louis Holtz
1884.....	223,509,560	87,418	.391	1.20	
1885.....	227,609,348	87,999	.386	1.125	
1886.....	230,151,009	78,576	.341	1.0489	
1887.....	251,746,111	84,388	.335	1.0110	J. C. Nealon
1888.....	273,380,616	84,143	.307	1.1478	
1889.....	306,040,405	87,825	.280	1.067	
1890.....	301,444,140	84,534	.279	1.00	
1891.....	311,556,079	82,318	.264	1.03	John Siebe
1892.....	346,224,706	83,105	.240	1.03	
1893.....	342,644,174	81,123	.236	1.00	
1894.....	325,108,898	96,205	.295	1.03	
1895.....	327,805,147	110,576	.337	1.00	
1896.....	422,069,716	106,032	.251	1.565	
1897.....	347,954,920	104,352	.299	.9692	
1898.....	352,344,061	112,831	.320	1.1854	
1899.....	405,111,615	86,658	.213	1.318	W. Dodge
1900.....	410,155,304	84,199	.205	1.029	
1901.....	413,099,993	85,200	.205	1.0762	
1902.....	419,968,644	91,200	.217	1.02262	
1903.....	545,866,446	95,200	.174	1.076	
1904.....	502,892,359	95,200	.189	1.12	
1905.....	524,230,936	95,200	.181	1.164	
1906.....	375,932,447	79,200	.210	1.322	
1907.....	429,611,618	89,200	.207	1.415	
1908.....	454,334,160	95,200	.209	1.50	
1909.....	492,867,037	100,200	.203	1.60	
1910.....	515,028,100	100,700	.195	1.647	
1911.....	545,064,347	101,200	.185	2.00	
1912.....	604,813,249	101,200	.167	2.05	John Ginty
1913.....	623,847,729	101,200	.162	2.20	
1914.....	647,207,514	101,200	.156	2.25	
1915.....	656,344,229	98,600	.150	2.26	
1916.....	758,352,365	104,100	.137	2.33	



# Report of Playground Commission

August 26th, 1916.

To the Honorable James Rolph, Jr.,  
Mayor, City and County.

My Dear Mr. Rolph:

In accordance with provisions of the Charter of the City and County of San Francisco, I am forwarding herewith the report of the Playground Commission for the fiscal year 1915-16.

Very truly yours,

FRANK A. LAWLER.

Secretary.

## PLAYGROUND COMMISSION

The past fiscal year was perhaps the busiest period of the Playground Commission since its inception. Hamilton Playground was remodeled so as to afford the maximum amount of play space; construction on the improved Spring Valley site was started; plans and estimates for the remodelling of North Beach, Southside and Presidio were prepared, and the year was rounded out by the completion and dedication of the Mission Baths on Sunday, June 18th, 1916.

The Commission has been amply rewarded for the work done by the splendid use of the grounds by the children, the interest of the parents in the playgrounds established and the requests for playgrounds from those neighborhoods which the Commission has been unable to serve.

The sum of \$78,685.82 was available for the work of the department which was expended as follows:

## EXPENDITURES.

## Administration:

Labor .....	\$ 305.00	
Operating Supplies .....	1,666.96	
Play Supplies .....	524.64	
Salaries .....	8,380.07	
Stationery, Printing, etc. ....	140.65	
Sundry Expenses .....	100.20	
		\$11,117.52

## Bath House (North Beach):

Construction .....	91.75	
Labor .....	203.00	
Operating Supplies .....	1,668.06	
Play Supplies .....	9.35	
Salaries .....	1,159.34	
		3,131.50

## Bay View Playground:

Labor .....	54.00	
Operating Supplies .....	37.55	
Play Supplies .....	60.46	
Salaries .....	900.00	
		1,052.01

## Excelsior Playground:

Construction .....	321.18	
Labor .....	1,056.00	
Operating Supplies .....	573.09	
Play Supplies .....	263.96	
Salaries .....	3,295.00	
Stationery, Printing, etc. ....	1.60	
Sundry Expenses .....	9.00	
		5,519.83

## Hamilton Playground:

Construction .....	8,673.92	
Labor .....	3,414.00	
Operating Supplies .....	1,462.92	
Play Supplies .....	163.55	
Salaries .....	3,524.08	
Stationery, Printing, etc. ....	2.25	
Sundry Expenses .....	25.00	
		17,265.72

## PLAYGROUND COMMISSION

701

## Holly Park Playground:

Construction .....	236.92	
Labor .....	138.50	
Operating Supplies .....	41.24	
Play Supplies .....	107.87	
Salaries .....	1,200.00	
		<u>1,724.53</u>

## Jackson Playground:

Construction .....	228.22	
Labor .....	767.00	
Operating Supplies .....	1,384.98	
Play Supplies .....	178.74	
Salaries .....	4,420.00	
		<u>6,978.94</u>

## North Beach Playground:

Construction .....	1,124.39	
Finishings .....	36.00	
Labor .....	726.75	
Operating Supplies .....	1,290.63	
Play Supplies .....	221.88	
Salaries .....	4,436.70	
		<u>7,836.35</u>

## Presidio Heights Playground:

Labor .....	102.00	
Operating Supplies .....	152.57	
Play Supplies .....	37.47	
Salaries .....	1,000.00	
		<u>1,292.04</u>

## Southside Playground:

Construction .....	265.16	
Labor .....	1,650.25	
Operating Supplies .....	1,417.21	
Play Supplies .....	256.60	
Salaries .....	4,553.35	
Stationery, Printing, etc. ....	39.50	
		<u>8,182.07</u>

## Spring Valley Playground:

Construction .....	472.75	
Labor .....	40.50	
Operating Supplies .....	74.16	
Play Supplies .....	.67	
Salaries .....	900.00	
		<u>1,488.08</u>

## Mission Playground:

Construction .....	10,864.84	
Furnishings .....	999.98	
Labor .....	643.00	
Operating Supplies .....	539.12	
Play Supplies .....	3.20	
Salaries .....	150.00	
Sundry Expenses .....	7.50	
		<u>13,206.64</u>

## PLAYGROUND COMMISSION

## Yerba Buena Playground:

Labor .....	107.50	
Operating Supplies .....	126.95	
Play Supplies .....	49.10	
Salaries .....	600.00	
		<u>883.55</u>
		<u>\$79,678.78</u>

## TABLE OF ATTENDANCE.

Playground	Boys	Girls	Total
Bay View .....	17,092	15,188	32,280
Excelsior .....	63,843	38,956	103,699
Hamilton .....	108,558	122,485	231,043
Holly Park .....	24,929	15,872	40,801
Jackson .....	43,957	26,383	70,340
North Beach .....	55,974	49,867	105,841
Presidio .....	14,947	12,897	27,844
Southside .....	76,188	49,734	125,922
Spring Valley .....	12,772	8,618	21,390
Yerba Buena .....	28,264	26,710	54,974
	<u>446,524</u>	<u>367,610</u>	<u>814,934</u>
Bath Houses			
North Beach (3 months).....		5,692	3,140
Mission (2 months).....		4,571	4,525

# Poundkeeper's Report

To His Honor the Mayor of the City and County of San Francisco.

As per requirements of the Charter, we herewith submit our annual report for the fiscal year just ended.

## DOGS.

Dogs on hand July 1, 1915.....	52	
Impounded during the year.....		3983
Redeemed .....	421	
Released on licenses.....	131	
Sold .....	300	
Destroyed .....	3157	
On hand June 30, 1916.....	26	
	4035	4035

## CATS.

Impounded and destroyed.....	6562
------------------------------	------

## LARGE STOCK.

Impounded .....	230	
Redeemed .....	195	
Sold .....	2	
Destroyed .....	33	
	230	230

## SMALL STOCK.

Impounded .....	147	
Redeemed .....	127	
Sold .....	13	
Destroyed .....	7	
	147	147

## CASH STATEMENT.

Received for dogs redeemed and released on licenses.....	\$ 1,176.60
Received for dogs sold.....	900.00
Received for large stock redeemed.....	617.00
Received for large stock sold.....	10.00
Received for small stock redeemed .....	198.00
Received for small stock sold.....	36.50
	\$ 2,938.10

All the above cash was paid to the City Treasurer, as per receipts attached to monthly reports on file in the Board of Supervisors' and Auditor's offices.

## POUNDKEEPER

## SUMMARY.

City received from the Poundkeeper in fees.....	\$ 2,938.10
City received from sale of 7622 dog licenses.....	11,433.00
City received from sale of 724 duplicate tags.....	362.00
	<hr/>
Total received by the city.....	\$14,733.10
Due and paid to the poundkeeper.....	11,518.05
	<hr/>
Profit to the city from operation of pound.....	\$ 3,215.05
Society's expense conducting pound for year.....	\$11,737.56
Due and received by poundkeeper during year.....	11,518.05
	<hr/>
Society's loss .....	\$ 219.51

Respectfully submitted,

THE SAN FRANCISCO SOCIETY FOR THE PREVENTION OF CRUELTY  
TO ANIMALS, POUNDKEEPER,

MATTHEW McCURRIE, Secretary.

# Board of Public Works

August 1, 1916.

To the Honorable, The Board of Public Works  
of the City and County of San Francisco.

Gentlemen:—

Herewith is submitted the Annual Report of the Cashier's Office, for the fiscal year ending June 30th, 1916, showing the total amount of moneys received from fees, deposits, permits, assessments, etc. Also the disbursements through this office from assessment and deposit moneys during the same period.

Respectfully,

JAS. T. DONAHUE,  
Cashier, Board of Public Works.

## REPORT OF CASHIER

FOR THE FISCAL YEAR ENDING JUNE 30TH, 1916.

J. T. DONAHUE, Cashier.

Showing the total amount of money received from all sources, from July 1st, 1915, to and inclusive of June 30th, 1916.

### RECEIPTS.

Permits Issued.	Amount.
1805 From Street Space Permits.....	\$ 42,380.00
231 From Sidewalk Permits .....	4,660.00
43 From Sub-Sidewalk Permits.....	4,164.00
21 From House Moving Permits.....	2,100.00
6333 From House Building Permits (Fees).....	28,029.50
181 From Bill Board Permits (Fees).....	191.00
123 From Excavation Permits (Special Deposits).....	1,445.70
54 Bills Excavation Permits—Paid by Corporations maintaining a General Deposit of \$2500.00.....	8,337.00
July 9, 1915, From Universal Electric & Gas Co., "General Deposit", Excavation Fund .....	2,500.00
Receipts Issued.	
1540 From Side Sewer Deposits (1804 Sewers).....	64,655.17
73 From Balances due on 73 Side Sewers underestimated.....	1,340.60
75 From Inspection charges only, on 75 Sewers at \$2.00 each....	150.00

## FROM APPROPRIATIONS BY BOARD OF SUPERVISORS.

Reimbursing "Tearing Up Streets Fund" for outlay on Side Sewer work, full amount of deposits being refunded to Depositors.

Feb. 19, 1916, Receipt No. 21881 (9 Sewers).....	\$ 480.60	
April 6, 1916, Receipt No. 22128 (1 Sewer).....	38.40	
May 4, 1916, Receipt No. 22299 (1 Sewer).....	22.25	
May 4, 1916, Receipt No. 22300 (1 Sewer).....	26.35	
May 12, 1916, Receipt No. 22366 (4 Sewers).....	353.75	
		\$ 921.35
608 From Bureau of Engineering (Fees collected for Surveys) .....		20,623.25
294 From Bureau of Engineering (Fees collected for Inspection) .....		27,020.50
167 From Advertising Charges—Paid by Contractors .....		5,911.65
3211 From Municipal Water Works—Water rentals....		6,056.89
372 From Installment Assessments and Interest on Bonds for Street Improvements.....		22,225.03
From Sale of Old Material—		
Aug. 23, 1915, Cobblestones sold to City Street Imp. Co.....	71.40	
Jan. 6, 1916, Cobblestones sold to Raish Improvement Co. ....	110.65	
		182.05
Aug. 24, 1915, From Western Pacific Railway Co., in part payment of Bill No. 59 (Aug. 10, 1914) for damage to structural steel in transit to the New City Hall .....		277.90
Aug. 31, 1915, From Alfred L. Meyerstein, Special Deposit to cover the estimated cost of installing a Sewer in El Portal Way from Kensington Way to the Twin Peaks Tunnel Reservation (produced) as per Resolution No. 40552 (2nd series) adopted Aug. 28, 1915.....		11,000.00
Nov. 22, 1915, From Chas. Nelson Company, Bill No. 204, Damage to 3rd Street Bridge.....		70.35
Nov. 22, 1915, From Southern Pacific Company, in part payment of Bill No. 58, damage to Structural Steel in transit to the New City Hall.....		316.06
Feb. 18, 1916, From Cala. Hawaiian Sugar Refining Co., Bill No. 282, materials furnished by Board of Public Works .....		42.85
Feb. 18, 1916, From Wells Fargo Nevada National Bank, Undisturbed balance remaining in Bank to the credit of the Board of Public Works.....		10.00
June 23, 1916, From State Highway Commission, Sacramento, Bill No. 315, for damage to a Steam Roller belonging to the Board of Public Works .....		16.00
From Motor Vehicle Dept. of the State of California, Refund on Canceled Registrations:		
Jan. 26, 1916.....	.08	
May 1, 1916.....	6.60	
		6.68



## REPORT OF CASHIER

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### RECEIPTS FROM DISTRICT ASSESSMENTS.

For the opening, widening, extending, etc., of Streets.  
(In Accordance with Art. VI, Chap. III of the Charter)

#### ASSESSMENT FUNDS.

Polk Street Re-grade Assessment Fund.....	\$ 5.79	
Bixby Street Extension Fund.....	5.00	
Orizaba Ave. Extension Fund.....	7.00	
Ralston Street Extension Fund.....	3.50	
Ramsell Street Extension Fund.....	4.00	
Victoria Street Extension Fund.....	1.00	
Beverly Street Extension Fund.....	4.00	
	\$	30.29

#### REDEMPTION FUNDS.

Arch Street Redemption Fund.....	\$ 70.59	
Bright Street Redemption Fund.....	88.70	
Bixby Street Redemption Fund.....	43.60	
Head Street Redemption Fund.....	66.50	
Monticello Street Redemption Fund.....	87.35	
Orizaba Avenue Redemption Fund.....	109.40	
Ramsell Street Redemption Fund.....	45.20	
Ralston Street Redemption Fund.....	94.39	
Victoria Street Redemption Fund.....	115.84	
Vernon Street Redemption Fund.....	160.23	
	\$	881.80
Total Receipts, Fiscal Year 1915-1916.....		\$255,535.62

#### DEPOSITS

with City and County Treasurer (as per Receipts) during the Fiscal Year ending June 30th, 1916, to the credit of the following Funds:

Special Permit Fund.....	\$ 51,214.00
Tearing up Streets Fund.....	67,067.12
House Moving Fund.....	2,100.00
Excavation Fund.....	12,282.70
Street Improvement Fund.....	22,225.03
General Fund (Fees, Bureau of Building Inspection).....	28,210.50
General Fund—Sundry amounts as set forth in Statement of Receipts:	
Aug. 23, 1915, From sale of Old Cobbles.....	\$ 71.40
Jan. 6, 1916, From sale of Old Cobbles.....	110.65
Nov. 22, 1916, From Chas. Nelson Co.....	70.35
Jan. 26, 1916, From State Motor Vehicle Dept.....	.08
May 1, 1916, From State Motor Vehicle Dept.....	6.60
June 23, 1916, From Cala. State Highway Com.....	16.00
	\$ 275.08
Unapportioned Fee Fund.....	20,623.25
Special Inspection Fund.....	27,020.50
Advertising Fund.....	5,911.65
Water Works Fund.....	6,056.89
Aug. 31, 1915, El Portal Way Sewer Fund.....	11,000.00
Feb. 18, 1916, Auxiliary Water Supply Bond Acct.....	42.75
Aug. 23, 1915, City Hall-Civic Center Imp. Fund Bond Issue of 1908.....	277.90

Nov. 22, 1915, City Hall Civic Center Imp. Fund Bond Issue of 1912.....		316.06
Polk Street Regrade Assessment Fund.....	\$ 5.79	
Bixby Street Extension Fund.....	5.00	
Orizaba Ave. Extension Fund.....	7.00	
Ralston Street Extension Fund.....	3.50	
Ramsell Street Extension Fund.....	4.00	
Victoria Street Extension Fund.....	1.00	
Beverly Street Extension Fund.....	4.00	
Arch Street Redemption Fund.....	70.59	
Bright Street Redemption Fund.....	88.70	
Bixby Street Redemption Fund.....	43.60	
Head Street Redemption Fund.....	66.50	
Monticello Street Redemption Fund.....	87.35	
Orizaba Ave. Redemption Fund.....	109.40	
Ramsell Str. Redemption Fund.....	45.20	
Ralston Str. Redemption Fund.....	94.39	
Victoria St. Redemption Fund.....	115.84	
Vernon St. Redemption Fund.....	160.23	
		<u>\$ 912.09</u>
Total Deposits, Fiscal Year 1915-1916.....		<u>\$255,535.62</u>

## SPECIAL PERMIT FUND.

Statement showing Receipts and Disbursements by Cashier, Board of Public Works, during the Fiscal Year ending June 30th, 1916. Account of the "Special Permit Fund".

Balance July 1st, 1915, Deposits outstanding..... \$ 24,835.25

## RECEIPTS.

## Permits

## Issued.

1805 From Street Space Permits.....	\$42,380.00	
231 From Sidewalk Permits.....	4,660.00	
43 From Sub-Sidewalk Permits.....	4,164.00	
		<u>\$ 51,204.00</u>
2079		<u>\$ 76,039.25</u>

Feb. 18, 1916, From Wells-Fargo Nevada National Bank,  
Undisturbed balance remaining in Bank to  
the credit of the Board of Public Works..... 10.00

\$ 76,049.25

## DISBURSEMENTS.

## Demands

## Issued

1692 Street Space Permits (Deposit refunded).....	\$37,990.00	
233 Sidewalk Permits (Deposits refunded).....	4,720.00	
41 Sub-Sidewalk Permits (Deposits refunded).....	3,811.00	
		<u>\$ 46,521.00</u>
1966		<u>\$ 29,528.25</u>
Balance, Deposits outstanding July 1st, 1916.....		\$ 29,528.25

## REPORT OF CASHIER

709

### EXCAVATION FUND.

Statement of Receipts and Disbursements, Fiscal Year 1915-16, in conformity with the provisions of Ordinances No. 2201 and 2884 (New Series) regulating the making and refilling of excavations in the public streets. (Side Sewers and Sub-Sidewalk areas excepted.)

#### RECEIPTS.

Receipts		
Issued		
123	From "Special Deposits".....	\$ 1,445.70
54	From monthly settlements by Corporations maintaining a "General Deposit" of \$2500.00.....	8,337.00
July 9, 1915, From Universal Electric and Gas Co. (General Deposit)....		2,500.00
<hr/>		
178	Total Receipts, Fiscal Year 1915-16.....	\$12,282.70

#### DISBURSEMENTS.

206	Special Deposits refunded (less fees deducted) said deposits having been retained for 2 years in accordance with Sec. 9 of Ord. No. 2201 (New Series).....	\$ 5,426.45
<hr/>		
	Balance .....	\$ 6,856.25

Note.—The actual condition of the Excavation Fund is not shown by the above statement, as cost of inspection and necessary incidentals, are charged against the sum total of fees received through monthly settlements by Corporations, and fees deducted from "Special Deposits".

### STREET IMPROVEMENT FUND.

Statement showing Receipts and Disbursements, Fiscal Year 1915-16, received from Property Owners on Bonds for Street Improvements (Installment Assessments) in accordance with the provisions of Ordinances No. 2439 and 3009 (New Series) of the Board of Supervisors.

Balance undisbursed July 1, 1915.....\$ 562.72

#### RECEIPTS.

Certificates		
Received.		
372	From Installments and Interest on Bonds, as per Certificates No. 65 to 436 inclusive—Official Receipts No. 1 to 372 in- clusive .....	\$22,225.03
<hr/>		
		\$22,787.75

#### DISBURSEMENTS.

Treasury		
Orders		
Issued.		
364	Amounts refunded to Bond holders.....	\$22,692.88
<hr/>		
Balance undisbursed July 1st, 1916.....		\$ 94.87

## BOARD OF PUBLIC WORKS

## HOUSE MOVING FUND.

Balance July 1st, 1915, Deposits outstanding.....\$ 100.00

## RECEIPTS.

## Permits

## Issued.

21 From House Moving Permits, Fiscal Year 1915-16.....\$ 2,100.00

\$ 2,200.00

## DISBURSEMENTS.

## Demands

## Issued.

20 Deposits Refunded, Fiscal Year 1915-16.....\$ 2,000.00

Balance, Deposits outstanding July 1st, 1916.....\$ 200.00

## TEARING UP STREETS FUND.

Statement showing Receipts and Disbursements by Cashier, Board of Public Works, during the Fiscal Year 1915-16.

(Account of the "Tearing up Streets Fund".)

July 1, 1915, Balance undisbursed.....\$ 4,054.98

## RECEIPTS.

## Receipts

## Issued.

1540 From Side Sewer deposits (1804 Sewers).....\$64,655.17

73 From Balances due on 73 Side Sewers underes-  
timated ..... 1,340.60

75 From Inspection charges (only) on 75 Side  
Sewers at \$2.00 each..... 150.00

5 From appropriations by Supervisors, Reimburs-  
ing "Tearing up Streets Fund" for outlay on  
16 Side sewers (full deposits refunded to de-  
positors) ..... 921.35

67,067.12

1693

Total Receipts, 1915-16.....\$ 71,122.10

## DISBURSEMENTS.

## Demands

## Issued.

1415 Unexpended balances of Side Sewer deposits.....\$24,150.30

313 Wages of Side Sewermen ..... 25,147.00

12 Restoring Pavement over Side Sewer trenches.... 7,234.20

24 Salaries of Inspector and Timekeeper Clerk..... 4,050.00

15 Teaming ..... 2,392.05

12 Livery (Horse and Buggy hire)..... 480.00

12 Blacksmithing ..... 213.60

9 Lumber ..... 376.91

24 Tools and miscellaneous supplies..... 208.43

\$ 64,252.49

1836

Balance undisbursed July 1, 1916.....\$ 6,869.61

# REPORT OF CASHIER

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STATEMENT OF DISBURSEMENTS FROM THE "TEARING UP STREETS FUND" FOR THE FISCAL YEAR ENDING JUNE 30, 1916, BY CASHIER, BOARD OF PUBLIC WORKS.—J. T. DONAHUE, CASHIER.

1915	Wages of		Unexpended Balances	Paving Trenches	Teaming	Inspection and		Lumber	Black-smithing	Miscellaneous	Total
	S. Seawomen	Clerk				Livery	Clerk				
July .....	\$ 2,097.00	\$ 2,097.00	\$ 1,879.10	\$ 628.55	\$ 201.50	\$ 325.00	\$ 40.00	.....	.....	\$ 23.40	\$ 5,194.55
August .....	2,118.50	1,677.25	1,677.25	485.35	206.40	325.00	40.00	.....	\$ 13.80	28.59	4,894.89
Sept. ....	2,038.00	2,121.70	1,95.00	499.60	195.00	325.00	40.00	\$117.28	41.30	.....	5,377.88
Oct. ....	2,291.00	670.55	899.75	899.75	203.15	325.00	40.00	37.09	17.05	44.58	4,528.17
Nov. ....	2,048.50	2,229.70	351.50	351.50	195.00	325.00	40.00	.....	24.60	9.45	5,223.75
Dec. ....	2,328.00	2,718.30	805.20	805.20	208.00	325.00	40.00	37.09	21.95	8.56	6,492.10
1916											
Jan. ....	1,564.00	1,857.50	126.90	126.90	201.50	350.00	40.00	37.09	10.15	10.10	4,197.24
Feb. ....	1,750.00	795.75	567.60	567.60	188.50	350.00	40.00	111.27	14.60	48.18	3,865.90
March ....	2,110.50	2,273.75	890.65	890.65	201.50	350.00	40.00	.....	17.45	.....	5,883.85
April ....	2,268.00	2,214.35	478.50	478.50	195.00	350.00	40.00	37.09	15.20	17.82	5,615.96
May ....	2,301.00	3,423.80	941.80	941.80	201.50	350.00	40.00	.....	18.95	7.68	7,284.73
June ....	2,232.50	2,288.55	558.80	558.80	195.00	350.00	40.00	.....	18.55	10.07	5,693.47
	\$25,147.00	\$24,150.30	\$7,234.20	\$7,234.20	\$2,392.05	\$4,050.00	\$480.00	\$376.91	\$213.60	\$208.43	\$64,252.49

## BOARD OF PUBLIC WORKS

## SIDE SEWER CONSTRUCTION.

During the Fiscal Year ending June 30, 1916, the Records of the Cashier's Office show the total number of Side Sewers constructed by employees of the Department of Public Works, as follows:

	No. of Sewers	No. of Trenches	Cost of Labor	Inspection, Clerk and Buggy Hire
1915				
July .....	178	162	\$ 2,097.00	\$ 365.00
August .....	115	112	2,118.50	365.00
September .....	137	121	2,038.00	365.00
October .....	189	175	2,291.00	365.00
November .....	145	126	2,048.50	365.00
December .....	129	122	2,328.00	365.00
1916				
January .....	109	103	1,564.00	390.00
February .....	89	87	1,750.00	390.00
March .....	155	148	2,110.50	390.00
April .....	205	191	2,268.00	390.00
May .....	218	203	2,301.00	390.00
June .....	161	153	2,232.50	390.00
Total .....	1,830	1,703	\$25,147.00	\$4,530.00

The total number of Side Sewers constructed during the six years preceding 1915-16 are as follows:

1914-15.....	1,618
1913-14.....	1,732
1912-13.....	2,333
1911-12.....	2,373
1910-11.....	2,103
1909-10.....	2,070

## RESTORATION OF PAVEMENTS OVER SIDE SEWER TRENCHES.

During the Fiscal Year ending June 30th, 1916, a total aggregate of 54,841 square feet of street pavement was restored over Side Sewer trenches, as follows:

	Sq. Feet
Bitumen or Asphalt, on a concrete foundation.....	38,405
Basalt or Cobbles on a sand foundation.....	10,080
Basalt or Cobbles on sand foundation with asphalt filler.....	3,071
Bitumen or Asphalt on Concrete, with binder course.....	2,408
Basalt on Concrete, with Asphalt Filler.....	536
Vitrified Brick on Concrete, with Asphalt Filler.....	183
Concrete only (street work in progress).....	117
Bitumen only (street work in progress).....	41
Total .....	54,841

## MEMORANDA.

The sum of \$431.85 paid by property owners during the months of December, 1915, and January, 1916, for their proportionate share of extra grading, etc., on San Bruno Avenue, between Arleta Avenue and the County Line (see Resolution No. 41842, 2nd series, Board of Public Works) is held in abeyance pending the completion of said work.

Respectfully submitted,  
 JAS. T. DONAHUE,  
 Cashier, Board of Public Works.

**BUREAU OF STREETS.**

San Francisco, Calif., July 1, 1916.

To the Honorable The Board of Public Works  
Of the City and County of San Francisco.

Gentlemen:

I have the honor to transmit herewith the annual report of the Bureau of Streets for the fiscal year commencing July 1, 1915, and terminating June 30, 1916, being the seventeenth annual report presented since the organization of the Board of Public Works.

The report of this Bureau is treated herein under the following classifications:

1. Assessments for Street Work.
2. Bonds for Street Assessments.
3. Street Work Proceedings.
4. Report of Street Inspectors.
5. Inspection of Corporation Trenches.
6. Side Sewer Construction.
7. Sidewalk Inspection.

**ASSESSMENTS FOR STREET WORK.**

180 Assessments were prepared and issued for the cost of street work performed under public contract. This is an increase of 19 assessments over those prepared during the previous fiscal year.

The total cost of the street work as shown in these assessments amounted to \$641,005.77. This amount is \$198,138.00 in excess of the total cost of the work performed during the previous fiscal year.

**BONDS FOR STREET ASSESSMENTS.**

The ordinance authorizing the payment of Street Assessments in installments has been in force during the entire fiscal year.

This ordinance empowers the Board of Public Works to grant property owners the privilege of paying street assessments in annual installments, not exceeding ten, as may be determined by said Board.

The property owner pays the first installment within thirty (30) days after demand, and executes a bond for the payment of the remaining installments.

196 Street Assessment Bonds were prepared in triplicate and executed during the fiscal year, guaranteeing the payment of \$47,333.84.

**STREET WORK PROCEEDINGS.**

3269 Notices of Street Improvement were prepared and posted along the lines of the streets to be improved, as provided by 126 Resolutions of Intention passed by the Board of Public Works.

**STREET INSPECTIONS.**

- 533 Notices were served to construct bulkheads.
- 126 Notices were served to remove obstructions.
- 2466 Builders' Street Space Permits were reported upon.
- 51 Petitions were reported upon.
- 184 Notices were served to repair side sewers.

## INSPECTION OF CORPORATION TRENCHES.

8090 Service Openings were made in the streets by the Public Service Corporations for furnishing light, water and telephone service.

133,214 Lineal Feet of Distribution Mains were laid.

The inspection fees for supervision of pavement restoration over street trenches amounted to \$7,985.00.

The Pacific Gas & Electric Company made 3842 Service Openings and installed 66,746 Lineal Feet of Distribution Mains.

The Spring Valley Water Company made 3654 service openings and installed 17,567 lineal feet of distribution mains.

The City Electric Company made 163 service openings and installed 13,278 lineal feet of mains.

The Universal Electric & Gas Company made 176 service openings and installed 33,035 lineal feet of mains.

The Pacific Telephone & Telegraph Company made 132 service openings and installed 2,588 lineal feet of mains.

## SIDE SEWER CONSTRUCTION.

1,828 Side Sewers were constructed during the fiscal year.

## SIDEWALK INSPECTION.

622,410 square feet of Sidewalks were constructed pursuant to notices served by our inspectors.

Attached hereto please find the detailed reports on each of the foregoing subjects.

Respectfully submitted,

A. J. DONOVAN,

Office Deputy, Board of Public Works.

## ASSESSMENTS FOR STREET WORK.

During the fiscal year there were one hundred and eighty (180) assessments prepared and issued for the cost of street work performed under public contract.

The total cost of this work as shown by these assessments amounted to \$641,005.77.

These assessments were issued to the contractors, and a copy of each was recorded in the Street Assessment Records in the Bureau of Streets, together with the returns made thereon.

The following exhibit presents the location and character of the street work performed, the name of the contractor, and the cost of the work as shown by these assessments.

Work Performed	Cost of Work
Chenery Street between Miguel and Mateo Streets—	
Paving, etc.—Flinn & Treacy.....	\$ 265.75
Park Street between Mission Street and its Westerly Termination—	
Paving, etc.—Flinn & Treacy.....	276.85
Cabrillo Street between 16th and 17th Avenues—	
Paving, etc.—Flinn & Treacy.....	1,011.50
Crossing of Balboa Street and 29th Avenue—	
Paving, etc.—J. H. Franks.....	1,536.59



Work Performed	Cost of Work
London Street between Persia and Russia Avenues— Paving, etc.—E. J. Treacy.....	882.75
Intersection of Ashbury and Downey Streets— Grading (Fill)—Flinn & Treacy.....	2,799.50
Hyde Street between Union and Russell Streets— Artificial Stone Sidewalks—A. O. Field.....	116.00
Union Street between Larkin and Moore Streets— Artificial Stone Sidewalks—A. O. Field.....	37.70
8th Street between Harrison and Heron Streets— Artificial Stone Sidewalks—A. O. Field.....	40.60
10th Avenue between Irving and Judah Streets— Artificial Stone Sidewalks—A. O. Field.....	39.87
Willard Street between Turk Street and Golden Gate Avenue— Paving, etc.—The Fay Improvement Co.....	3,486.58
Santa Marina Street between Mission and Elsie Streets— Paving, etc.—G. W. McGinn & Co.....	6,359.70
Woolsey Street between San Bruno Avenue and Somerset Street— Paving, etc.—Flinn & Treacy.....	18,500.93
Naples Street between Brazil and Persia Avenues— Paving, etc.—Flinn & Treacy.....	1,691.25
Howard Street between 7th and 8th Streets— Artificial Stone Sidewalks—A. O. Field.....	101.50
Silver Avenue between Boutwell and Scotia Streets— Sewers, etc.—S. F. Johnson.....	2,373.53
15th Avenue between Balboa and Fulton Streets— Paving, etc.—Federal Construction Co.....	12,490.52
Lessing Street between Liebig and Northerly Termination— Sewers, etc.—Robinson Nugent.....	344.00
Felton Street between San Bruno Avenue and Girard Street— Paving, etc.—J. F. Dowling & Co.....	4,542.57
Silliman Street between San Bruno Avenue and Girard Street— Paving, etc.—The Fay Improvement Co.....	4,520.36
18th Avenue between Cabrillo and Fulton Streets, and the crossing of 18th Avenue and Cabrillo Street— Paving, etc.—City Street Improvement Co.....	1,780.13
Lawton Street between 45th and 46th Avenues— Paving, etc.—Thos. A. Clark.....	740.21
Crossing of Lisbon Street and France Avenue and crossing of Italy Avenue— Paving, etc.—Thos. S. Hutton.....	2,870.40
Crossing of Lawton Street and 7th Avenue— Paving, etc.—Robinson Nugent.....	1,588.20
Lincoln Way between 40th and 43rd Avenues— Paving, etc.—State Improvement Co.....	2,014.74
Judah Street between 12th and 13th Avenues— Paving, etc.—J. G. Harney.....	895.00
Hudson Street between Lane and Mendell Streets— Sewers, etc.—R. Rolandi.....	8,801.90

Work Performed	Cost of Work
McKinnon Avenue between Mendell and Lane Streets— Sewers, etc.—James Monaghan.....	1,867.62
Russia Avenue between Moscow and Dublin Streets— Paving, etc.—Flinn & Treacy.....	14,863.30
Crossing of De Haro and 22nd Streets— Paving, etc.—F. R. Ritchie & Co.....	1,113.26
18th Street between Hampshire Street and Potrero Avenue— Paving, etc.—City Street Improvement Co.....	1,926.62
Greenwich Street between Divisadero and Scott Streets— Artificial Stone Sidewalks—C. B. Eaton.....	123.25
Charles Street between Chenery Street and S. P. R. R.— Paving, etc.—Flinn & Treacy.....	4,609.90
Duncan Street between Sanchez and Noe Streets— Paving, etc.—Flinn & Treacy.....	2,452.25
Intersection of Randall and Whitney Streets— Paving, etc.—Church & Clark.....	935.05
Bemis Street between Miguel and Mateo Streets— Sewers, etc.—State Improvement Co.....	5,645.20
Crossing of 11th Avenue and Noriega Street— Paving, etc.—S. F. Johnson.....	2,585.88,
12th Avenue between Lawton and Moraga Streets— Paving, etc.—Raisch Improvement Co.....	8,700.37
Boyce Street between Geary Street and Northerly Termination— Paving, etc.—City Street Improvement Co.....	139.50
Intersection of Charles and Chenery Streets— Paving, etc.—Flinn & Treacy.....	335.76
Virgil Alley between 25th and 26th Streets— Paving, etc.—James Monaghan.....	248.84
Crossing of Missouri and 20th Streets— Paving, etc.—The Fay Improvement Co.....	1,284.87
Crossing of California Street and 27th Avenue— Paving, etc.—F. R. Ritchie & Co.....	1,030.67
Lombard Street between Kearny Street and Grant Avenue— Paving, etc.—F. Rolandi.....	1,413.32
Crossing of Balboa Street and 20th Avenue— Paving, etc.—State Improvement Co.....	1,616.97
College Avenue between Mission Street and St. Mary's Avenue— Paving, etc.—Flinn & Treacy.....	705.70
Clement Street between 9th and 10th Avenues— Artificial Stone Sidewalks—F. S. Buckman.....	39.87
9th Avenue between Clement and Geary Streets— Artificial Stone Sidewalks—F. S. Buckman.....	119.62
Geary Street between Parker Avenue and Boyce Street— Artificial Stone Sidewalks—F. S. Buckman.....	147.33
18th Street between Harrison and Alabama Streets— Artificial Stone Sidewalks—James Monaghan.....	51.11
York Street between 22nd and 23rd Streets— Artificial Stone Sidewalks—James Monaghan.....	152.25

Work Performed	Cost of Work
Missouri Street between 18th and Mariposa Streets— Paving, etc.—James M. Smith.....	6,173.50
Anza Street between 40th and 41st Avenues— Sewer, etc.—Felix McHugh & Son.....	552.15
21st Avenue between Judah and Kirkham Streets— Paving, etc.—F. S. Buckman.....	1,641.57
San Bruno Avenue between Army Street and Oakdale Avenue— Paving, etc.—Federal Construction Co.....	867.12
North Point Street between Leavenworth Street and Columbus Avenue— Paving, etc.—G. W. McGinn & Co.....	4,964.79
Crossing of 21st and Castro Streets— Paving, etc.—State Improvement Co.....	1,497.52
28th Street between Diamond and Castro Streets— Sewer, etc.—Clarence B. Eaton.....	7,083.05
De Haro Street between 22nd and 23rd Streets— Paving, etc.—The Fay Improvement Co.....	17,590.31
Drumm Street between Pacific and Jackson Streets— Sewer, etc.—D. L. Bienfield.....	1,353.12
23rd Avenue between California and Lake Streets— Artificial Stone Sidewalks—F. S. Buckman.....	160.31
17th Avenue between Taraval and Ulloa Streets— Paving, etc.—State Improvement Co.....	2,051.50
19th Avenue between Quintara and Santiago Streets— Paving, etc.—Federal Construction Co.....	44,143.46
13th Avenue between Judah and Kirkham Streets— Paving, etc.—Walter V. McDonald.....	1,601.25
Spruce Street between Jackson Street and Presidio Wall— Paving, etc.—D. L. Bienfield.....	2,289.99
18th Street between Connecticut and Missouri Streets— Artificial Stone Sidewalks—McCabe & Brown.....	195.50
Moultrie Street between Cortland and Crescent Avenues— Paving, etc.—Clarence B. Eaton.....	16,509.79
Noe Street between Day and 30th Streets— Paving, etc.—D. L. Bienfield.....	3,646.37
St. Mary's Avenue between Mission Street and College Avenue— Paving, etc.—Flinn & Treacy.....	938.47
Girard Street between Dwight and Olmstead Streets— Sewer, etc.—F. S. Buckman.....	1,150.79
Himmelman Place between Broadway and Pacific Street— Paving, etc.—Jos. J. McHugh.....	968.62
Crossing of 44th Avenue and Anza Street— Paving, etc.—Blanchard-Brown Co.....	1,433.46
Elm Avenue between Pierce and Scott Streets— Paving, etc.—D. L. Bienfield.....	2,096.73
Mariposa Street between San Bruno Avenue and Vermont Street— Paving, etc.—F. R. Ritchie & Co.....	3,216.25
Laidley Street between Castro and Roanoke Streets— Paving, etc.—F. R. Ritchie & Co.....	1,646.74

Work Performed	Cost of Work
19th Avenue between Balboa and Cabrillo Streets— Paving, etc.—City Street Improvement Co.....	800.75
Excelsior Avenue between Paris and Lisbon Streets— Paving, etc.—Thos. S. Hutton.....	1,840.43
19th Avenue between Noriega and Quintara Streets— Paving, etc.—F. R. Ritchie & Co.....	23,892.83
Ocean Avenue between San Jose Avenue and Ocean Avenue— Paving, etc.—F. R. Ritchie & Co.....	8,726.16
14th Street between Rosemont and Dolores Streets— Paving, etc.—Eaton & Smith.....	1,342.34
Olmstead Street between San Bruno Avenue and Girard Street— Grading (Filling)—Sunset Construction Co.....	1,764.50
Lida Place between 15th and 16th Streets— Paving, etc.—D. L. Bienfield.....	2,495.60
Vermont Street between 17th and Mariposa Streets— Paving, etc.—Flinn & Treacy.....	7,358.00
Rivera Street between 20th and 21st Avenues— Paving, etc.—Owen I. McHugh.....	3,647.71
De Haro Street between 23rd and 24th Streets— Paving, etc.—F. R. Ritchie & Co.....	10,929.40
Prentiss Street between Cortland and Crescent Avenues— Sewer, etc.—W. J. Tobin.....	4,659.15
Mill Street between Harkness and Ankenny Streets— Sewer, etc.—Robinson Nugent.....	955.16
45th Avenue from Balboa Street to Line 150 feet Northerly— Paving, etc.—Sunset Construction Co.....	1,657.25
Faxon Avenue between Ocean Avenue and De Montford Street— Paving, etc.—F. R. Ritchie.....	3,150.12
Kirkham Street between 45th and 46th Avenues— Paving, etc.—F. J. King.....	3,288.51
Ecker Street between Mission and Jessie Streets— Paving, etc.—J. J. McHugh.....	1,054.95
Harkness Street between Cowden and Sparta Streets— Sewer, etc.—Robinson Nugent.....	2,023.87
Leland Avenue between Elliott and Sawyer Streets— Sewer, etc.—W. J. Tobin.....	1,322.76
Vermont Street between 20th and 21st Streets— Sewer, etc.—Tibbitts-Pacific Co.....	12,300.65
21st Avenue between Balboa and Cabrillo Streets— Sewer, etc.—Federal Construction Co.....	3,455.75
Wisconsin Street between 20th and 22nd Streets— Paving, etc.—Clarence B. Eaton and James M. Smith.....	13,654.35
Crossing of Balboa Street and 30th Avenue— Paving, etc.—J. H. Franks.....	1,965.84
44th Avenue between Judah and Kirkham Streets— Paving, etc.—J. F. Dowling.....	11,018.25
Goettingen Street between Burrows and Wayland Streets— Sewer, etc.—Robinson Nugent.....	2,202.75

Work Performed	Cost of Work
Arlota Avenue between Rutland Street and San Bruno Avenue— Sewer, etc.—D. L. Bienfield.....	2,682.44
Balboa Street between 18th and 19th Avenues— Paving, etc.—The Fay Improvement Co.....	3,044.95
Crossing of France Avenue and Paris Street— Paving, etc.—Flinn & Treacy.....	1,530.29
Cuvier Street between Bosworth Street and S. P. R. R. R/W— Paving, etc.—Clarence B. Eaton.....	624.00
Madrid Street between France and Amazon Avenues— Sewer, etc.—Blanchard-Brown Co.....	6,908.93
Lippard Street between Bosworth Street and Sly. Term.— Paving, etc.—S. F. Johnson.....	4,035.00
Acadia Street between Sunnyside and Joost Avenues— Sewer, etc.—J. H. Franks.....	437.50
Fremont Street between Howard and Folsom Streets— Artificial Stone Sidewalks—E. M. Gilleran.....	1,581.72
Polk Street between Francisco and Bay Streets— Paving, etc.—J. F. Conway.....	609.34
Adelaide Place between Taylor Street and Wly. Term.— Paving, etc.—Church & Clark.....	576.90
Liebig Street between San Jose Avenue and Lessing Street— Paving, etc.—F. R. Ritchie & Co.....	1,482.30
Mateo Street between Bemis and Laidley Streets— Paving, etc.—James M. Smith.....	3,464.86
Ocean Avenue between Capitol and Faxon Avenues— Paving, etc.—S. F. Johnson.....	1,109.57
Crossing of Irving Street and 38th Avenue— Paving, etc.—Jos. J. McHugh.....	1,565.77
McAllister Street between Arguello Blvd. and Willard Street— Paving, etc.—Flinn & Treacy.....	948.75
Crossing of Irving Street and 37th Avenue— Paving, etc.—Jos. J. McHugh.....	1,579.23
Fulton Street between 38th and 45th Avenues— Paving, etc.—Blanchard-Brown Co.....	10,776.60
Lincoln Way between 46th and 47th Avenues— Artificial Stone Sidewalks—Blanchard-Brown Co.....	59.40
Lincoln Way between 47th and 48th Avenues— Artificial Stone Sidewalks—Blanchard-Brown Co.....	23.40
Intersection of San Jose Avenue and Cotter Street— Paving, etc.—State Improvement Co.....	1,352.75
Elsie Street between Esmeralda and Virginia Avenues— Sewer, etc.—Clarence B. Eaton and James M. Smith.....	2,583.67
Wilde Avenue between Rutland and Cowden Streets— Sewer, etc.—Thos. Walsh.....	1,113.25
48th Avenue between Lincoln Way and Irving Street— Artificial Stone Sidewalks—Blanchard-Brown Co.....	746.74
48th Avenue between Irving and Judah Streets— Artificial Stone Sidewalks—Blanchard-Brown Co.....	661.08

Work Performed	Cost of Work
Wilde Avenue between San Bruno Avenue and Goettingen Street— Sewer, etc.—Michael Murphy.....	2,896.14
Harkness Street between San Bruno Avenue and Goettingen Street— Sewer, etc.—Michael Murphy.....	3,254.41
Arleta Avenue between Elliott and Rutland Streets— Sewer, etc.—Thos. Walsh.....	1,901.10
47th Avenue between Irving and Judah Streets— Artificial Stone Sidewalks—Blanchard-Brown Co.....	737.38
Railroad Avenue between Revere and Yosemite Avenues— Paving, etc.—Flinn & Treacy.....	24,729.24
Chenery Street between Natick and Roanoke Streets— Paving, etc.—Flinn & Treacy.....	146.25
16th Street between Beaver and Castro Streets, and crossing of Beaver Street— Paving, etc.—Flinn & Treacy.....	1,916.42
Crossing of Judah Street and 28th Avenue— Pave and Sewers—A. E. Buckman.....	631.57
Irving Street between 47th and 48th Avenues— Sewers, etc.—E. E. Carnahan.....	2,150.82
Harkness Street between Cowden and Sparta Streets— Sewers, etc.—Robinson Nugent.....	2,023.87
Intersection of Clement Street and 38th Avenue— Paving, etc.—D. L. Bienfield.....	1,406.18
Intersection of Chenery, Whitney and Miguel Streets— Paving, etc.—Flinn & Treacy.....	1,139.66
Silver Avenue between Lisbon and Vienna Streets— Paving, etc.—Flinn & Treacy.....	8,925.68
Anza Street between 23rd and 24th Avenues— Paving, etc.—Jos. J. McHugh.....	1,378.32
Crossing of 19th Avenue and Santiago Street— Sewer, etc.—Thos. S. Hutton.....	1,737.64
45th Avenue between Irving and Judah Streets— Artificial Stone Sidewalks—A. O. Field.....	498.12
Moraga Street between 8th and 9th Avenues— Paving, etc.—City Street Improvement Co.....	994.50
Richland Avenue between Andover and Murray Streets— Paving, etc.—D. L. Bienfield.....	855.50
Crossing of Irving Street and 26th, 27th, 28th, 29th, 30th, 31st, 32nd and 33rd Avenues— Sewer, etc.—Jos. J. McHugh.....	10,890.83
19th Avenue between California and Lake Streets— Asphalt pave—Flinn & Treacy.....	263.25
Fulton Street between 28th and 37th Avenues— Paving, etc.—Owen McHugh.....	11,844.51
Wood Street between Geary Street and Nly. Term.— Paving, etc.—Flinn & Treacy.....	502.45
Kirkham Street between 19th and 20th Avenues— Sewer, etc.—Peter McHugh.....	635.00

## BUREAU OF STREETS

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Work Performed	Cost of Work
Bosworth Street between Mission and Milton Streets— Artificial Stone Sidewalks—S. F. Johnson.....	491.59
Taraval Street between 15th and 18th Avenues— Paving, etc.—A. C. Ambler.....	1,867.72
Excelsior Avenue between Athens and Vienna Streets— Paving, etc.—F. R. Ritchie.....	3,481.32
47th Avenue between Lincoln Way and Irving Street— Sewer, etc.—Robinson Nugent.....	2,007.00
Hampshire Street between 19th and 20th Streets— Artificial Stone Sidewalks—Church & Clark.....	2,703.58
Cumberland Street between Sanchez and Church Streets— Artificial Stone Sidewalks—McCabe and Brown.....	806.40
18th Avenue between Balboa and Cabrillo Streets— Paving, etc.—City Street Improvement Co.....	245.00
Jones Street between Chestnut and Francisco Streets— Paving, etc.—G. W. McGinn & Co.....	1,088.12
Plymouth Avenue between Ocean and Holloway Avenues— Paving, etc.—Owen McHugh.....	1,527.26
Diamond Street between Bosworth Street and S. P. R. R.— Paving, etc.—D. O. Church Co.....	374.45
Intersections of Army Street and Precita Avenue, Army and York Streets and Precita Avenue and York Street— Paving, etc.—D. L. Bienfield.....	1,684.16
Anza Street between 24th and 25th Avenues— Paving, etc.—Thos. A. Clark.....	439.25
Lee Avenue between Ocean and Holloway Avenues— Paving, etc.—Owen McHugh.....	912.75
Andover Street between Cortland Avenue and Park Street— Paving, etc.—Jas. M. Smith.....	3,105.58
Lincoln Way between 20th and 22nd Avenues, and 21st Avenue be- tween Lincoln Way and Irving Street— Artificial Stone Sidewalks—C. C. Christensen.....	111.15
20th Avenue between Judah and Lawton Streets— Paving, etc.—S. F. Johnson.....	10,099.33
Balboa Street between 17th and 18th Avenues— Paving, etc.—State Improvement Co.....	5,013.04
45th Avenue between Kirkham and Lawton Streets— Paving, etc.—Thos. A. Clark.....	1,624.75
Ashton Avenue between Ocean and Holloway Avenues, and De Mont- ford Street between Ashton and Jules Avenues— Paving, etc.—A. V. Reed, Assigned to F. R. Ritchie & Co.....	2,367.80
Kansas Street between 19th and 20th Streets— Sewer and Grading—Sunset Construction Co., Assigned to J. J. Rauer .....	10,406.05
York Street between 24th and 25th Streets— Artificial Stone Sidewalks—A. O. Field.....	46.69
Crossing of 45th Avenue and Geary Street— Paving, etc.—Felix McHugh & Son.....	1,501.43
Folsom Street between Cortland and Tompkins Avenues— Paving, etc.—S. F. Johnson.....	1,152.82

## BOARD OF PUBLIC WORKS

Work Performed	Cost of Work
Homestead Street between 24th and 25th Streets— Paving, etc.—J. F. Dowling.....	203.50
Crossing of 22nd and Vermont Streets— Paving, etc.—The Fay Improvement Co.....	1,349.88
7th Street between Howard and Folsom Streets— Artificial Stone Sidewalks—Phillip O'Donnell.....	103.53
20th Street between Iowa and Mississippi Streets, and crossing of Pennsylvania Avenue— Grading—Tibbitts-Pacific Co. ....	10,310.35
Geary Street between 38th and 39th Avenues— Grade, Sewer and Pave.—Owen McHugh.....	3,707.19
Paris Street between Excelsior and Brazil Avenues— Paving, etc.—Flinn & Treacy.....	667.00
22nd Street between Hampshire Street and Potrero Avenue— Artificial Stone Sidewalks—Thos. Walsh.....	57.37
20th Street between Wisconsin and Carolina Streets, 20th Street be- tween De Haro and Rhode Island Streets, and Carolina and Rhode Island Streets between 20th and 22nd Streets— Sewer and Grading—Federal Construction Co. ....	39,586.80
Fairfax Avenue between Lane and Mendell Streets— Paving, etc.—Flinn & Treacy.....	395.00
Iowa Street between 20th and 22nd Streets— Paving and Curbing—The Fay Improvement Co.....	8,793.26
24th Avenue between Balboa and Cabrillo Streets— Paving, etc.—Owen McHugh.....	10,320.79
Total Cost .....	\$641,005.77

BONDS FOR STREET ASSESSMENTS ISSUED DURING THE FISCAL  
YEAR 1915-1916.

No.	Property Owner	Amount
47	George H. Schulte	\$ 197.19
48	Louise Treadwell	164.32
49	Hans Larsen	164.32
50	Hans Larsen	164.32
51	Domenico Re and Louise Re	164.32
52	J. T. and Catherine Hazer	242.32
53	Anna Lehtikoinen	657.28
54	Alfred and Caroline Hedburg	203.76
55	J. B. Mayman	164.32
56	Oscar H. Cronin & Lottie M. Cronin	164.32
57	Joseph Landers and Elfrida Landers	184.04
58	Ernesto Bertolli	164.32
59	Michael Fauth	135.71
60	Louis L. Zocchi & Louise M. Zocchi	281.37
61	Stephen Schivo	138.83
62	Stephen Schivo	138.83
63	William G. Zocchi	138.83
64	Mary J. Striegel	411.824
65	Charles W. Vaughn and Martha C. Vaughn	153.717



## BUREAU OF STREETS

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No.	Property Owner	Amount
66	John A. Shepard	268.24
67	Harry and Martha Murphy	205.85
68	Harry and Martha Murphy	320.65
69	Frederick Zitt	251.775
70	Oscar E. Malech	253.185
71	William H. and Alma Cole	698.43
72	Sarah Weinstein	314.22
73	Sarah Weinstein	177.83
74	Sarah Weinstein	110.16
75	Bino Livingston and Jerome Weinstein	292.79
76	Sarah Weinstein	183.30
77	Sarah Weinstein	322.12
78	Stanley Callow	316.14
79	Gabriel Lewin	183.30
80	Gabriel Lewin	183.30
81	H. W and Elizabeth Hailer	316.14
82	Harry E. Reyburn	41.67
83	Anton Outinen	253.00
84	John Lange	778.89
85	Sarah Weinstein	155.93
86	Moneta Investment Co.	757.64
87	Georgia McCluskey	748.48
88	C. F. Baldock	114.653
89	Mary Ann Bundy	885.36
90	Ambrose Calderwood	136.343
91	Samuel Shelburn Robison	136.343
92	George H. Anderson	306.75
93	Stephen B. and Annie Nolan	221.34
94	Stephen B and Annie Nolan	221.34
95	Stephen B. Nolan	221.34
96	William and Mary Stewart	442.68
97	Henry Koster	221.34
98	Ida Gingg, Bertha Heim and Alfred Hahn	885.36
99	Josephine Schabert	221.34
100	Margarita Torres	221.34
101	Charles R. Anderson	169.94
102	Estate of M. Salomon, Deceased	113.10
103	Estate of M. Salomon, Deceased	113.10
104	Estate of M. Salomon, Deceased	166.88
105	Estate of M. Salomon, Deceased	326.16
106	Estate of M. Salomon, Deceased	329.55
107	Estate of M. Salomon, Deceased	166.88
108	Estate of M. Salomon, Deceased	166.88
109	Estate of M. Salomon, Deceased	166.88
110	Henry Sutliff, Jr., Amelia Graess- lin, Jennie C. Cochran	1,133.186
111	Henry Sutliff, Jr., Amelia Graess- lin, Jennie C. Cochran	40.24
112	Viola D. Nichols	169.94
113	Thomas Butler	1273.107
114	Patrick H. and Anna L. Winterson	203.30
115	W. H. and Carrie M. Watkins	323.28
116	Adele Kafka	173.05

## BOARD OF PUBLIC WORKS

No.	Property Owner	Amount
117	Raymond C. Peppin	239.43
118	Effie A. Drury	253.90
119	Alex. and Maria Hozen	253.90
120	George and Isabella Dawson	380.86
121	John F. and Mary E. Shirley	158.01
122	M. Cosgrove	232.40
123	Jaakob A. Iso	1015.61
124	California Land Security Co.	154.93
125	California Land Security Co.	154.93
126	A. J. and J. A. Simircish	154.93
127	Nick Bakly	253.90
128	Samuel and Anna L. Hatfield	253.90
129	Henrietta Stubenrauch	168.38
130	W. F. Cody	170.48
131	Charlotte L. O'Neill	136.82
132	Axel and I. Bjorquist	253.90
133	Otto and Irene Wiklund	253.90
134	Edward and Helen Stanfors	253.90
135	Sampson Nichupey	253.90
136	Nettie V. Bishop	168.38
137	John D. and Alice Smith	141.70
138	John F. Gilhooly	547.25
139	Frederick N. and Sarah E. Sheldon	336.76
140	George R. Quirk	175.27
141	Mary E. Seaton	168.38
142	Mary E. Seaton	168.38
143	Edwin P. Finigan	170.48
144	Blanche B. Gray	168.38
145	John J. O'Connor (B. Getz)	172.19
146	Tolman Chittenden	253.72
147	Zarah F. Dibble	168.38
148	Jennie H. Lalanne	345.02
149	Julia E. Kelly	345.02
150	Lillian Eastwood Morris	600.92
151	Henry J. Hughes	147.05
152	George W. Cuthbertson	163.38
153	California Agricultural Co.	294.09
154	L. P. Howe	170.48
155	L. P. Howe	511.44
156	L. P. Howe	18.75
157	Elizabeth Greenlin	174.00
158	Ruth Rayford	168.38
159	Richard J. and Josephine M. Murphy	370.83
160	Louis and Flora Graves	141.70
161	Anna A. Cradock	168.38
162	Grover Grady	141.70
163	Mary E. L. Maguire	253.90
164	Mary E. Manning-Reed	168.38
165	Charles Thompson	144.06
166	Charles Thompson	144.06
167	Charles Thompson	201.41
168	Charles Thompson	201.44
169	Charles Thompson	144.09
170	Charles Thompson	144.09

## BUREAU OF STREETS

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No.	Property Owner	Amount
171	Charles Thompson	144.09
172	Bengt Pehrsson	201.44
173	Thomas S. Webb	178.21
174	Thomas S. Webb	178.21
175	Elizabeth P. Wood	804.06
176	Martha Bulovino	253.90
177	Henry and Helene Munster	297.70
178	Newton F. Robinson	242.81
179	George Hutchinson	253.90
180	James Fitzpatrick	295.73
181	Edward L. and M. F. Burgess	253.90
182	George P. Kane	149.06
183	Maria Murphy	1,366.17
184	Estelle Carpenter	148.86
185	Henry F. and Florence M. Kranskopf	295.26
186	Arthur Lang	295.26
187	S. Ewell	297.70
188	Clifford S. Allred	21.83
189	Clifford S. Allred	15.16
190	Clifford S. Allred	15.16
191	Clifford S. Allred	15.16
192	Clifford S. Allred	15.16
193	Clifford S. Allred	15.16
194	Clifford S. Allred	15.16
195	Clifford S. Allred	15.16
196	Clifford S. Allred	75.81
197	Albert and Romana Cuevas	177.17
198	Louis G. Bresse	1,282.93
199	Alfred P. Collins	149.06
200	William J. Ramsay	149.06
201	William J. Ramsay	398.77
202	George Walker	384.67
203	Clara S. Thompson	121.41
204	Clara S. Thompson	121.41
205	Clara S. Thompson	121.41
206	Clara S. Thompson	121.41
207	Catherine McDonald	197.87
208	Kenneth McKenzie	395.76
209	Patrick Quinn	177.17
210	Phillip Testa	197.87
211	Gaetano Moretton	106.21
212	F. J. Brattan and J. T. O'Connor	222.91
213	Lillie Grumpman	112.55
214	E. J. F. Phillips	200.11
215	Charles H. and Edith Harger	91.80
216	Charles H. and Edith Harger	106.21
217	Charles H. and Edith Harger	106.21
218	Charles H. and Edith Harger	106.21
219	Charles H. and Edith Harger	106.21
220	Paul and Henrietta Dobkowitz	126.09
221	Betty Eklund	216.55
222	G. B. Lertora	212.40
223	Mary F. and Norma McAbee	216.55
224	Honorah N. Kelly	51.66

## BOARD OF PUBLIC WORKS

No.	Property Owner	Amount
225	Jos., Arthur and Elizabeth Jackson	66.10
226	Bert A. Swain	66.10
227	Kathinka J. Anderson	66.10
228	Kate McDermott	51.66
229	Harry W. and Alice G. Fawke	169.64
230	Henry F. and Marie L. Schunemann	3.65
231	Henry F. and Marie L. Schunemann	29.21
232	Henry F. and Marie L. Schunemann	29.21
233	Henry F. and Marie L. Schunemann	29.21
234	Henry F. and Marie L. Schunemann	160.54
235	Marguerite F. Green	215.58
236	Marguerite F. Green	83.13
237	August H. and Florence Siemer	169.64
238	Nikolaos Dentas and Nikolaos Arbanitis	165.16
239	Dimitrios J. Balasis	144.83
240	Catherine Fanning	144.83
241	Catherine Fanning	144.83
242	Maud Nolder McFall	671.00
	Grand Total	\$47,333.84

## REGISTER OF STREET WORK PROCEEDINGS.

In the Bureau of Streets is kept a complete and correct record of all proceedings referring to the improvement of streets and the construction of sewers. These records are consulted every day by representatives of the Title Insurance Companies, searchers of records, attorneys and property owners. They are fully recorded and indexed and their preparation necessitates the investigation and recordation of all resolutions of the Board of Public Works, Ordinances of the Board of Supervisors and publications in the official newspaper pertaining to street work, of which there were the following during the fiscal year:

Resolutions of Board of Public Works.....	7317
Certificates of Satisfactory Completion.....	678
Private Contracts .....	442
Proposals for Street Work.....	268
Awards of Contract.....	230
Ordinances of Supervisors.....	161
Resolutions of Intention.....	126

## RESOLUTIONS OF INTENTION AND NOTICES OF STREET WORK.

According to the alternative system provided in Ordinance No. 2439, which became operative in October, 1913, the Bureau of Streets prepared 126 Resolutions of Intention recommending the ordering of separate pieces of street work during the fiscal year. They also prepared and posted along the line of the contemplated improvements 3269 notices of the passage of the Resolutions of Intention.

**STREET CLEANING DEPARTMENT.**

San Francisco, August 22, 1916.

To the Honorable The Board of Public Works,  
Mr. F. J. Churchill, Secretary,  
City Hall, San Francisco, Cal.

Gentlemen:

In accordance with Resolution No. 46,457, Second Series, heretofore passed by your Honorable Board, I submit, for your approval, this report of the operations of the Street Cleaning Department, Board of Public Works, for the Fiscal Year 1915-1916, including detailed statements of the yardage of the public streets swept by hand, by machine, sprinkled, flushed, washed with flushers, hose and squeegees, and auto-flusher, the amount of such work accomplished in each month of said Fiscal Year, and in each of the sixteen street cleaning districts, the number of teams in the employ of the Department, the number of loads of dirt removed from the public streets, the average number of street sweepers in the employ of the Department during each of the months of said Fiscal Year, a full statement of the expense account of the Department, together with certain other data relative to the work of this Department, as follows, to wit:

**FAMILIES SUPPLIED WITH WATER FOR HOUSEHOLD PURPOSES BY THIS DEPARTMENT.**

Owing to the non-extension of water mains in certain parts of District No. 14 (Sunset), certain families there residing found themselves unable to procure water for household purposes, and this Department, acting upon a request from the Mayor's office, has supplied water to twenty families in said district during the first six months of the Fiscal Year 1915-1916, but during the latter half of said Fiscal Year, owing to the extension of water pipes by the Spring Valley Water Company and connections made by them with the houses of nearly all of the above families, the number of families now supplied has decreased to two, and when further pipes are laid the supplying of these remaining two families will be discontinued by this Department.

**NEW EQUIPMENT.**

The new equipment mentioned in the foregoing expense account consists of one Kinney Manufacturing Co. Auto-Flushing Machine, one new automobile for use of the Superintendent, one Sand Spraying Machine, and one Elgin Motor Sweeping Machine. This equipment was paid for out of a fund amounting to the sum of \$12,026.27, of which sum \$6,026.27 was brought over from the Fiscal Year 1914-1915, and the remaining sum of \$6,000.00 was specially provided for in the budget for the year 1915-1916, for the express purchase of new equipment.

In the new budget for the coming Fiscal Year 1916-1917 there has not been one dollar provided with which to purchase any new equipment, but it is to be hoped that, for the greater benefit to be derived therefrom and the increased efficiency gained, the Supervisor will in the next year's budget provide a liberal sum for the purchase of additional new equipment.

By the addition of the new equipment mentioned heretofore and other improvements made in the operating of the Department, the efficiency has been greatly increased and the number of complaints has been reduced to a minimum.

After paying for the above named new equipment, the sum of \$301.27 still remains in hand available for the same purpose.

A Sand Spreading Machine was purchased by this Department for the sum of \$475.00.

This machine has proved very useful and satisfactory to the Street Cleaning Department and is used for spreading coarse, clean sand on the smooth pavements in wet and very foggy weather, and also on the oily streets, and in this manner prevents the skidding of automobiles and the slipping and falling of horses, and thus avoid many accidents which might occur unless such precautions were taken.

The Auto Flushing Machine purchased by this Department from the Kinney Manufacturing Co. for the sum of \$6,000.00 has now been in operation in this Department since November, 1915, and has done very satisfactory work and increased the efficiency of this part of the street cleaning to a very great extent. This machine is sent out each day in the week to a different part of the city and covers from fifteen to twenty miles of streets per day, and, where sent out in connection with the gangs, increases the amount of work done and also increases the efficiency of the gang work to a very noticeable extent.

The Department also purchased one Elgin Motor Sweeping Machine costing the sum of \$4,500.00.

This machine is of the rotary broom type and sweeps the pavement and elevates the sweepings into a hooded compartment with a capacity of three cubic yards of dirt and when full is dumped by a lever controlled by the chauffeur. The machine also has a water tank from which a spray of water sprinkles the pavement and prevents the dust from rising.

This machine is capable of sweeping about twenty miles of streets each day of eight hours work, and will enable the Department to give better and more frequent service in the different parts of the city.

There are now approximately 460 miles of accepted streets which must be cared for by this Department, and additions are continually being made by the acceptance of additional blocks and streets. Some of these streets require to be kept constantly clean by blockmen stationed thereon, others are cleaned once daily, others twice a week and other less important streets are cleaned once a week, according to the office schedule.

The work of the Department has considerably increased during the past Fiscal Year, owing to increased mileage of accepted streets, which increase this year amounted to over 5,200,000 square feet.

The many improvement clubs and district associations in the various quarters of the City are each demanding extensions of the work of this Department in its particular district, and more frequent cleaning and sprinkling of the streets, and the public, educated to a large extent by such clubs, has become more exacting than ever in its demands along these lines; and this Department has, whenever and wherever possible, complied with these demands to the very limit of its equipment and resources.

Respectfully submitted,

PETER J. OWEN,  
Superintendent, Street Cleaning Dept., Board of Public Works.

**BUILDINGS.**

San Francisco, August 30, 1916.

To the Honorable The Board of Public Works,  
City and County of San Francisco.

Gentlemen:—In accordance with the provisions of the Charter, I submit herewith a tabulated report of the Bureau of Public Buildings, showing the various work performed and the moneys expended during the fiscal year 1915-1916.

Very respectfully,

CHAS. W. MEEHAN,  
Superintendent Public Buildings.

RECAPITULATION, BUREAU OF PUBLIC BUILDINGS, FISCAL YEAR  
1915-1916.

Office .....	\$ 5,400.00
Transportation Maintenance .....	1,440.00
Janitorial Department .....	57,781.73
Maintenance City Hall and Power House.....	18,541.52
Maintenance Hall of Justice.....	23,128.83
Relief Watchmen .....	2,067.00
Miscellaneous and Bond Issue Work.....	319.96
Maintenance Auditorium, Budget 423.....	4,998.69
Work in Front of City Property.....	1,980.50
Work Performed with Special Appropriations.....	36,332.61
Work Performed with Departments Own Funds.....	15,508.93
School Building Repairs.....	120,178.95
Fire Building Repairs .....	17,121.54
Police Building Repairs .....	5,489.42
Public Building Repairs (other than School, Fire and Police Buildings)	12,762.99
	<hr/>
Total .....	\$323,052.67
Office—	
Superintendent, \$250.00 per month.....	\$ 3,000.00
Assistant Superintendent, \$200.00 per month.....	2,400.00
	<hr/>
	\$ 5,400.00
Transportation and Maintenance—	
Auto for Superintendent.....	\$ 480.00
Auto for Assistant Superintendent.....	480.00
Buggy for Foreman Plumber.....	480.00
	<hr/>
	\$ 1,440.00
Janitorial Department—	
Garbage Service .....	\$ 304.00
Towel Service .....	2,243.95
Supplies .....	3,733.88
Electric Globes .....	948.40
Janitors' Salaries for service at City Hall, Hall of Justice, and Police Stations. (This includes the two (2) watchmen sta- tioned in City Hall).....	50,551.50
	<hr/>
Total .....	\$ 57,781.73

## BOARD OF PUBLIC WORKS

## Maintenance, City Hall and Power Plant—

Engineers' Salaries .....	\$ 5,095.15
Firemen at Power House.....	2,820.60
Relief Engineers .....	1,237.89
Supplies .....	221.74
Repairs to Elevators, Engine Plant.....	136.10
Mechanics' Labor on Repairs.....	190.65
Fuel Oil .....	2,239.39
Elevator Operators .....	6,600.00
Total .....	<u>\$ 18,541.52</u>

## Maintenance, Hall of Justice—

Engineers' Salaries .....	\$ 6,600.00
Relief Engineers .....	1,237.89
Supplies .....	630.74
Repairs to Elevators and Engines.....	222.72
Mechanics' Labor on Repairs.....	439.25
Fuel Oil .....	3,288.23
Elevator Operators .....	10,710.00
Total .....	<u>\$ 23,128.83</u>

## Relief Watchmen—

Employed watching City Hall, Pipe Yard, and Buildings at 11th and Bryant Sts. ....	<u>\$ 2,067.00</u>
Total .....	<u>\$ 2,067.00</u>



**BUILDING INSPECTION.**

To the Honorable the Board of Public Works.

Gentlemen.—I have the honor to submit the following as an Annual Report upon building operations in this City and County during the past fiscal year ending June 30th, 1916:

Character of Permits Granted	Number	Expenditures
Class "A" .....	18	\$ 1,279,663.00
Class "B" .....	9	761,475.00
Class "C" .....	178	3,376,620.00
Frames .....	1947	7,041,151.00
Alterations, Additions, Repairs (General).....	4371	1,811,467.00
State .....	3	848,181.00
Harbor .....	10	748,082.00
Public .....	22	2,138,101.00
	<hr/>	<hr/>
Total .....	6558	\$18,004,740.00
The fees collected upon the above amounted to.....		\$28,029.50
Fees collected for Billboard Inspection.....		181.00
		<hr/>
Total Fees .....		\$28,210.50

In addition to the above more important matters, this Bureau received applications, as follows:

To raze structures.....	201
To move buildings.....	42
Applications rejected and withdrawn.....	108
Complaints .....	418
	<hr/>

Total number of applications filed..... 7036

For your further information I wish to state the writer, in company with Supervisors Ralph McLeran and Chas. A. Nelson, representing the City and County of San Francisco, attended the first meeting of the "Housing Institute" of the Commission of Immigration and Housing of California, held in the City of Los Angeles May 4th and May 5th, 1916.

At this meeting many features of the housing problem were discussed, with the result that it was decided that the Secretary of the Commission prepare a rough tentative draft of a tenement house bill for discussion at the next meeting to be held early in July, 1916, in the City of San Francisco.

Pursuant to the previous meeting the Institute reconvened in the chambers of the Civil Service Commission in the New City Hall on Wednesday, the 19th day of July, 1916, and after a thorough discussion of all phases of the tentative draft the Institute adjourned on Saturday, July 22nd, to meet early in October in the City of Visalia (the exact time to be determined by the Commission) to further perfect the Act in order to present the views of the representatives of the various cities of the State to the next Legislature for enactment into the law.

Respectfully submitted,

JOHN P. HORGAN,  
Chief Building Inspector.

**SEWER DEPARTMENT REPORT.**

San Francisco, Cal., July 10, 1916.

The Honorable Board of Public Works,  
 Timothy A. Reardon, President.

Gentlemen:

I have the honor of presenting for your approval, the report of the operations and management of the Sewer Department for the fiscal year beginning July 1, 1915, and ending June 30, 1916, within the appropriation of \$136,800.00.

The general classification of the work accomplished in the report submitted, is as follows:

Sewer Reconstruction.  
 Sewer Repairs.  
 Sewer Cleaning and Excavating.  
 Cesspool Cleaning.  
 Brick Work.  
 Flushing.  
 Carpenter Work.  
 Repairs to Fire Cisterns.  
 Maintenance and Conduction of Corporation Yard and Distributing Center.

Respectfully submitted,

J. C. LINEHAN,  
 Superintendent of Sewers.

**SEWER CLEANING.**

The sediment and heavy substance accumulating in the bottom of the sewers, impervious to flushing, is removed by a process of windlassing at the manholes and transported to the dumps, as here shown:

	Yards Excavated
1915—	
July .....	964
August .....	1324
September .....	1146
October .....	1027
November .....	472
December .....	200
1916—	
January .....	308
February .....	240
March .....	348
April .....	697
May .....	321
June .....	724
Total .....	<u>7771</u>

## CESSPOOL CLEANING.

This work is performed by excavation and the silt and waste matter from the street unable to pass into the sewer is removed and transported to the dumps. Following is a tabulated report of same:

	Number of Cesspools Cleaned	Cubic Yards Excavated
1915—		
July .....	1,144	1,040
August .....	1,176	928
September .....	980	803
October .....	1,091	850
November .....	778	553
December .....	1,052	972
1916—		
January .....	841	786
February .....	1,060	920
March .....	1,397	1,035
April .....	1,249	969
May .....	1,028	931
June .....	1,285	1,044
Total .....	13,081	10,831

## SEWER RECONSTRUCTION.

Beginning July 1, 1915, and ending June 30, 1916, there were 104 cesspools, with outlets, and 24 entire blocks of new work on the main sewers, reconstructed, requiring the opening of trenches, grading and laying of pipes, constructing of brick manholes, connecting of all existing side sewers, back-filling, repaving and concreting as previously constructed.

Following are the locations of reconstructed work, with the accompanying dates and material used in their construction:

## 1915—

## July

Blake Street between Geary and Rose Ave.  
12th Ave. between California and Clement.  
Bush Street between Fillmore and Buchanan.

## August

Haight Street, between Octavia and Laguna.  
Clay Street, between Divisadero and Scott.  
Buchanan Street, between Post and Sutter.

## September

Clary Street between 4th and 5th.  
Washington Street between Locust and Laurel.

## October

Lisbon Street between France and Russia.  
Drumm Street between Pacific and Broadway.  
Pacific Street between Drumm and Davis.

## November

32d Ave. between California and Clement.

## December

Front Street between Sacramento and California.  
Front Street between California and Pine.

1916—

January

Broadway between Octavia and Laguna.

Feb.

Webster Street between Broadway and Vallejo.

12th Ave. between Lake and Marine Lagoon.

March

Annie Lane between Eddy and Ellis.

Scott Street between Green and Union.

April

Washington Street between Jones and Leavenworth.

May

Jackson Street between Steiner and Fillmore.

Bryant Street between 5th and 6th.

June

Army Street, Sewer Terminal.

Ringold Street between 8th and 9th.

# REPORT OF BUREAU OF ENGINEERING

FISCAL YEAR 1915-1916

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San Francisco, July 1, 1916.

To the Honorable, the Board of Public Works,  
of the City and County of San Francisco.

Gentlemen:—Herewith is transmitted the annual report of the Bureau of Engineering for the fiscal year 1915-1916.

In accordance with the policy of developing an adequate boulevard system with the greatest commercial and scenic possibilities, much work has been expended in improving main avenues for vehicle traffic

Railroad Avenue has been paved and graded so that when the new pavement shortly to be constructed on Third Street is completed, it will be possible to travel through the Industrial district on a smoothly paved boulevard 100 feet wide from Third and Market Streets to the County line.

Negotiations for the Hunter's Point road have been advanced and specifications prepared. This thoroughfare should be constructed during the coming year.

Twin Peaks boulevard has been practically completed. This Avenue ascends on an easy grade to an elevation of 830 feet and encircles the Twin Peaks near their summits. From it is afforded a view of the City and its picturesque surroundings unequalled on the Peninsula.

On the North Bay shore, one section of Camino del Mar, extending from Fort Miley to Lincoln Park along the cliffs above Bakers Beach into the Presidio Reservation, has been completed. For this construction the Panama Pacific Exposition contributed \$56,000, and the City approximately \$30,000, for rights of way. An extension of this boulevard into the Presidio has been assured by the Federal government. It can then serve both as a military road, affording ready access between Fort Miley and the Presidio, and also as a scenic drive from which an unexcelled close view of the harbor entrance is obtainable.

The first unit of the Esplanade along the Ocean Beach has been completed and the second unit is well under way. When this Esplanade is extended for the total length of the Great Highway from the Cliff House to Sloat Boulevard, San Francisco's Beach will excel in appearance any of the ocean fronts for which Southern California is famous.

To correct some of the mistakes in our rectangular street plan, several excessive grades have been reduced, notably on Hayes Street, Cumberland Street, Collingwood Street and at Larkin and Francisco Streets. All of these thoroughfares were formerly practically unusable by vehicles but since being regraded are readily accessible.

During the past fiscal year more pavements have been constructed in San Francisco under public assessment than in any other single period of the City's history, including:

## BUREAU OF ENGINEERING

Asphalt .....	381,523	sq. yds.	at cost of	\$730,541
Bituminous Rock .....	21,520	"	"	46,191
Basalt Block .....	18,814	"	"	64,434
Vitrified Brick .....	18,828	"	"	63,083
Broken Rock .....	29,173	"	"	22,692
Cobblestone .....	2,395	"	"	5,039
Total .....	472,253	"	"	\$931,980

In June, 1915, bids were invited for furnishing and delivering track and special work for the Church Street Railway, including the material for laying tracks on Market Street. Since that date this line has been completed from Thirtieth to Sixteenth and Church Streets. The City Engineer recommended that an agreement be reached with the United Railroads pending the settlement of the City's right to tracks on Market Street, whereby the Church Street line could be placed in operation immediately upon completion. This recommendation was not acted upon by the Board of Supervisors, with the result that the tracks on Church Street will be idle for an indefinite period.

Contract has been awarded for the extension of the Potrero Avenue line from Twenty-fifth Street to Army Street, the estimated cost of the extension being \$10,000.

Bids were invited for furnishing steel rail for track through the Twin Peaks Tunnel, and contract has been awarded for the same.

Over 4300 feet of the Twin Peaks bore have been completed during the past fiscal year. The underground station at Laguna Honda is practically finished and only 4800 lineal feet remain to be completed. As the remaining portion contains no structural difficulties and is in a formation easy to excavate, it is expected that the entire tunnel will be completed before the end of the month of May, 1917.

A Strauss-Bascule bridge is being constructed across Channel Street waterway at Fourth Street, and the bridge over the channel at Third Street has been repaired, so that the newly developed industrial section to the east will be amply provided with avenues of approach.

Work on the main sewers during the past year was confined to the completion of Mile Rock Tunnel and Bakers Beach outlet; the construction of combined sewers in South Bay View District, Oakdale Avenue, San Bruno Avenue and Sloat Boulevard. In the Islais Creek District, a drainage channel was dug along the proposed route of a large reinforced concrete sewer, to reduce to a minimum the danger of floods from winter rains, from which some damage was done last winter.

Work on the Hetch Hetchy project has been materially advanced during 1915-1916. The 67-mile railroad extending from the junction of the Sierra Railway at Rosasco to Hetch Hetchy dam site, is being rushed and should be completed before next spring; a diversion tunnel, through which the Tuolumne River will be by-passed around the main dam site, has been finished; a large proportion of the timber needed for construction purposes has been prepared at the City's sawmill; roads have been built to all portions of the work; a power plant, at which will be generated the electricity for the various construction camps, is being built; the bottom of Hetch Hetchy reservoir has been cleared of timber so that it can be flooded during the coming winter, when the diversion dam, now under construction, will be completed.

Practically all of the application maps required in the Raker Bill have been filed. Application for power line location still remains to be made, but this will be done before December of the present year.

During the past fiscal year, the Department of Surveys established 2505 bench marks; made 1767 surveys for public and private contracts, street repairs, public buildings, etc.; made 40 surveys of lots for private owners; surveyed 6379 blocks and crossings, or a total of 692 miles. Fees collected and turned over to the City Treasurer by this department amounted to \$20,623.25.

Instruments have been added to the Engineering Testing Laboratory so that it is now one of the most completely equipped laboratories on the Pacific Coast. In it were tested samples of all material used in City construction, including asphalt, brick, cement, concrete, steel, iron, paints, oils, and water, the total number of tests for the year being 8329.

Following is a detailed report of the various divisions included in Bureau of Engineering.

Respectfully submitted,

M. M. O'SHAUGHNESSY,  
City Engineer.

**BOULEVARDS.**

The economic value of an adequate system of boulevards has not been recognized in San Francisco until recent years. No large city in the United States was so poorly provided with road approaches, and the condition of the main thoroughfare, within the City itself, was not a matter of civic pride.

In outlining a Boulevard System, numerous factors had to be considered. Adequate approaches from the southern end of the Peninsula had to be provided, direct lines of communication between the principal districts of the City established, and suitable routes, from which the desirable features of the City could be viewed, had to be chosen.

Pursuant to the policy of developing to the utmost the City's commercial and scenic possibilities, the Boulevard System has recently been extended.

To provide for the manufacturing district, Railroad Avenue has been paved with asphalt and all excessive grades eliminated. This thoroughfare connects with San Mateo on the south by means of the San Bruno Road, on which paving is now almost completed as far as the County Line. On the north, Railroad Avenue joins with and practically merges into Third Street near the intersection of the latter thoroughfare with Islais Creek. Third Street will soon have a smooth pavement from this junction to its northerly terminus, so that it will be possible to travel through the industrial region on a smoothly paved boulevard 100 ft. wide from Third and Market Streets to the County Line. This route will materially shorten the distance to San Mateo.

Extending easterly from Railroad Avenue along Evans Avenue, a new roadway has been planned to reach Hunters Point drydock. The route will be along Evans Avenue as far east as Ingalls Street; thence on an easy curve to the intersection of Fairfax Avenue and Hawes Street; thence along the last named thoroughfare to Innes Avenue, which will form a portion of the roadway for a distance of four blocks to Donahue Street; thence along Donahue Street to Galvez Avenue, to Coleman Street; thence diagonally to Alvord Street, the entrance to the California Dry Dock Company's property.

Specifications for the pavement of this roadway have been prepared and arrangements made by which the entire thoroughfare will shortly be constructed, the City paying a portion of the cost, and the remainder to be assessed to the owners of adjacent property.

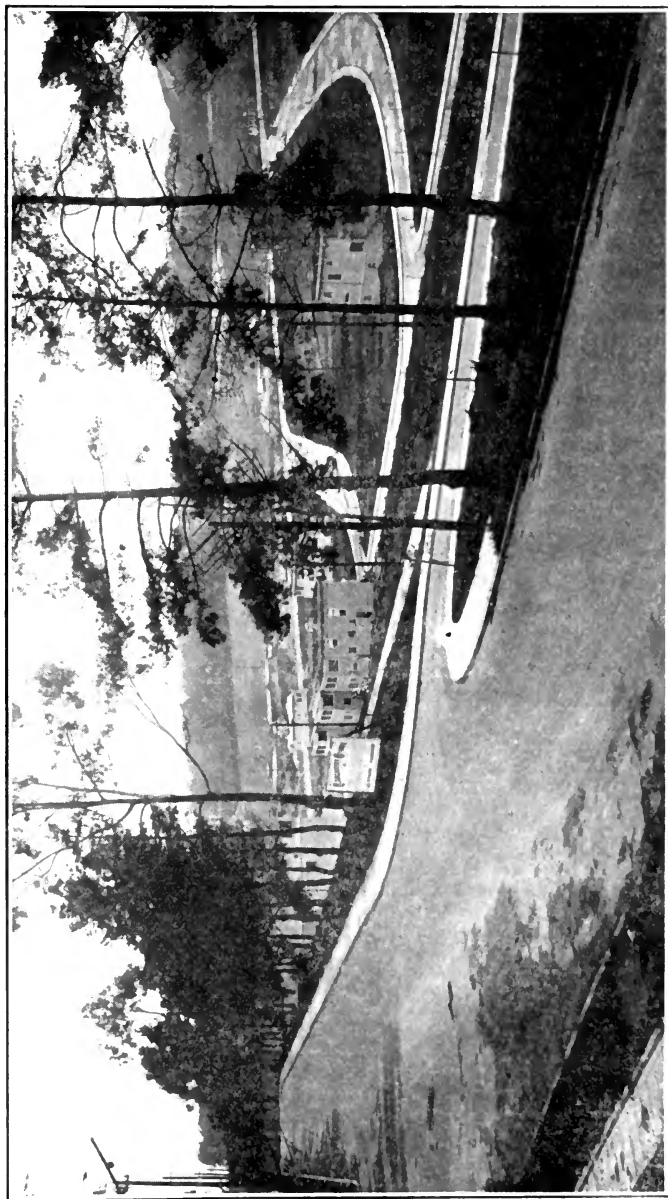
For many years the industrial district, which will be served by this road, has been absolutely neglected, and many manufacturing enterprises have been forced to seek accommodations in transbay cities or further south along the Peninsula, because there were no adequate roadway approaches to the industrial sites along the east shore of the Bay, which is naturally a manufacturing district. Already the Union Iron Works is building a dock which will be 1,000 ft. long, 120 ft. wide, and cost over \$2,000,000, and reached by this roadway.

The Twin Peaks Boulevard now rapidly nearing completion, starts at the intersection of St. Germain and Burnett Avenues, ascends to and encircles near their summits, the two hills known as Twin Peaks at an elevation of 830 ft.; and thence descends to terminate in Corbett Avenue at a point about 900 ft. distant from the westerly boundary line of the San Miguel Rancho.

The roadway consists of an asphalt pavement 25 ft. wide with a 7 ft. 6 in. rock shoulder adjoining it on each side, giving a total width of 40 ft. The pavement is composed of a concrete base 6 in. in thickness, covered by a binder course 1½ in. thick and a 1 in. asphaltic wearing surface. Before constructing any pavement, the subgrade was thoroughly compacted by rolling with a 12-ton road roller.

Surface drainage is carried off by 12 in. corrugated steel culverts, encased in concrete, underlying the roadway at required points. Water collecting in side ditches is discharged into concrete inlets and thence through the culverts.





Portola Drive near West Portal of Twin Peaks Tunnel.

A guard rail consisting of two 2 in. by 6 in. surfaced pine rails nailed to 6 in. by 6 in. surfaced redwood posts 8 ft. apart was constructed in the shoulder adjoining the fill side of the roadway.

The contract for the construction of that section of the boulevard extending from St. Germain Avenue through the City Reservoir site was awarded on June 25, 1915, to Eaton & Smith for the estimated sum of \$24,058.

This portion of the boulevard is approximately 2,800 ft. long and its construction necessitated the excavation by steam shovel of approximately 30,000 cubic yards of rock and earth, the construction of 70,000 square feet of pavement and 2,730 lineal feet of guard rail.

The maximum grade on this section of the boulevard is 9% and the sharpest curve has a radius of 60 ft. The roadway on curves is super-elevated to insure safe and easy riding, the maximum super-elevation on the curve mentioned being 14 in.

One of the most notable features of this unit of the boulevard is a curve forming a full semi-circle or horseshoe with a center line radius of 68 ft. To eliminate accidents on this curve, 3,000 cubic yards of rock were excavated in the interior core within the horseshoe to give a clear and unobstructed view across the same.

Work under this contract was completed April 1, 1916, and the roadway thrown open to traffic immediately.

The contract for the second section of the Twin Peaks Boulevard extending from the City Reservoir site to Corbett Avenue was awarded on September 20, 1915, to F. R. Ritchie & Co. for the estimated sum of \$54,745.

This unit of the boulevard is about 7,900 ft. long, 6,820 ft. of same being built on an acquired right of way. The contract included the excavation of approximately 63,000 cubic yards of rock and earth and the construction of 202,121 square feet of pavement, 960 lineal feet of 12 in. culvert and 8,000 lineal feet of guard rail.

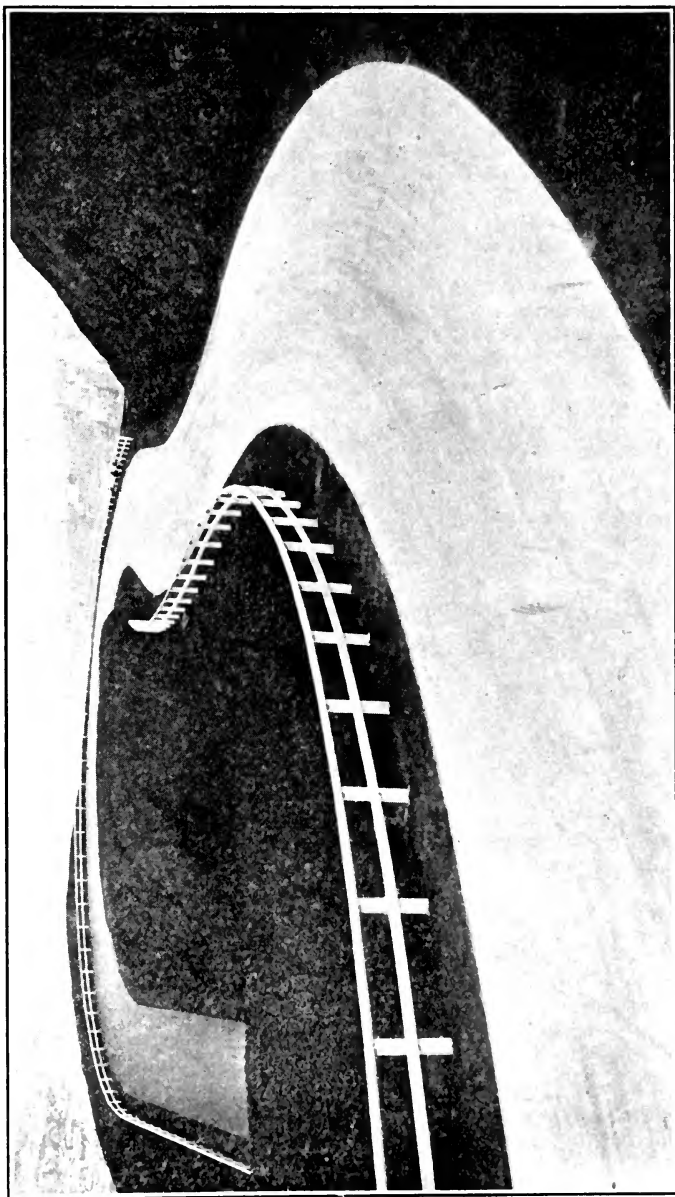
Excavation was performed by a steam shovel. For fills the excavated material was placed in the piles by means of scrapers and dump wagons and thence rolled in layers by a 12-ton road roller. One of the fills underlying the roadway is 60 ft. deep. The surface of the side hills underlying the fills was thoroughly plowed before placing any material for fill.

The maximum grade on this section is 9 per cent and the sharpest curve has a radius on the center line of 60 feet. The roadway has a uniform crown of  $2\frac{1}{2}$  in. and it is super-elevated on all curves.

The boulevard encircles the two peaks at approximately the 825 ft. contour, giving a closed loop resembling the figure 8, the distance around same being 3,173 lineal feet.

A magnificent view of the City of San Francisco and surroundings may be obtained from any point on this loop. Work under this contract is now practically completed.

Another boulevard recently constructed is the Camino del Mar, extending from Fort Miley to Lincoln Park, along the cliffs above Bakers Beach into the Presidio Reservation near Lo'os Creek, a length of 1,665 ft. This boulevard will serve as a military road, for which reason \$30,000 was donated by the Federal government for extending the same through the Presidio Reservation to connect with the McDowell Drive. Eventually the road will be extended to connect with the Marina on the north shore of the Bay, and from Fort Miley southerly to join the Ocean Beach Esplanade, the construction of which is described in detail later in this report. The Panama Pacific Exposition contributed \$56,000 for paving and the City \$30,000 for acquiring rights of way in this project.



Portion of Twin Peaks Boulevard.

From Camino del Mar, an excellent view of the inner bay and Marin hills is obtainable, and the picturesque scenery along the route is impressive alike to resident and tourist.

A portion of the boulevard system is now in course of construction along the Ocean Beach. Eventually the Esplanade will be extended as far south as the Sloat Boulevard and an additional road will lead from its terminus around Lake Merced. At the present, one section of the Esplanade protection wall is being constructed and the contract for the second section has been awarded.

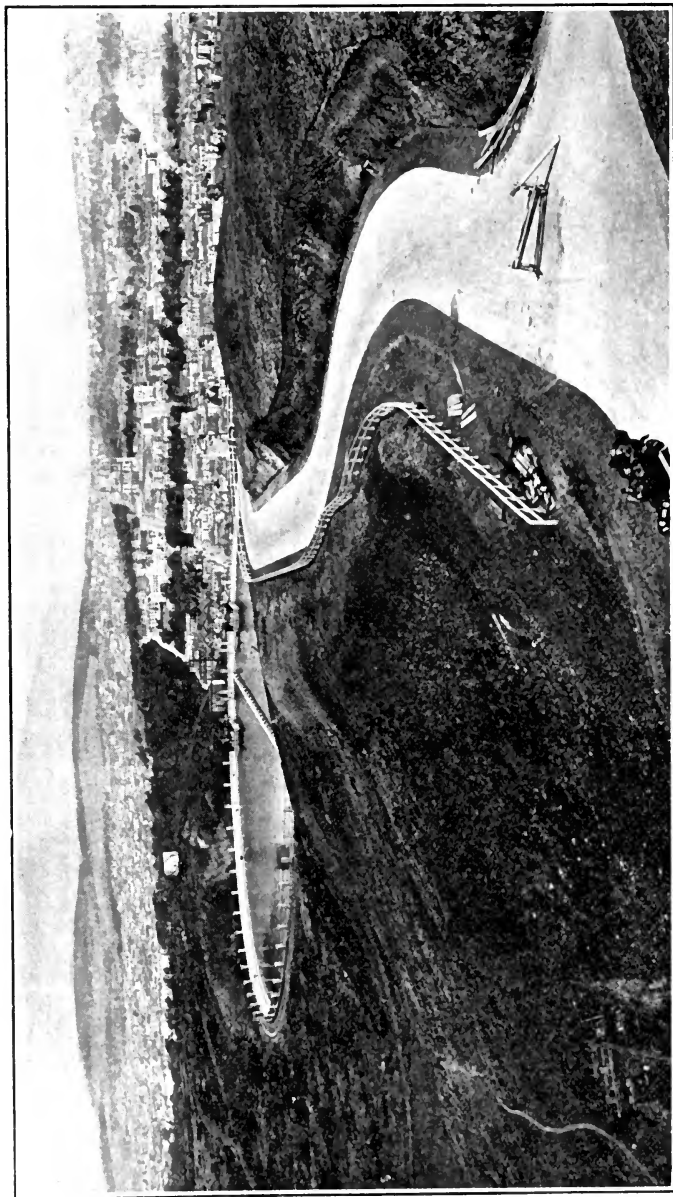
A scenic road around Telegraph Hill has been planned by the Bureau of Engineering and a small appropriation was requested of the Board of Supervisors which would enable the purchase of some of the lands necessary for its construction. Work on the Telegraph Hill Boulevard should be started during the fiscal year 1916-1917, which would permanently prevent the hill from the inroads of quarrymen.

Work will soon be started on the paving of Clarendon Avenue from Clayton Street southerly to connect these two completed sections around Twin Peaks with the already constructed boulevards leading southerly from Haight Street around Buena Vista Park.

Construction work has been completed on Plan No. 1 of the Market Street Extension, Corbett Avenue between 24th Street and the San Miguel Rancho. This consists of a 20 ft. roadway with two 7½ ft. shoulders, similar in construction to the Twin Peaks Boulevard described above.

The following tabulation shows the progress made on the principal units of the Boulevard System during the last fiscal year:—

	June 30, 1915	June 30, 1916
1 Junipero Serra Blvds.	Completed	
2 Sloat Boulevard	"	
3 Portola Drive	75% completed	Completed
4 Market Street Extension (Corbett Ave. Plan No. 1)	Proposed	
5 Market St. Extension (Plan No. 2)	"	Preliminary studies being made
6 19th Ave. Boulevard	Partly completed	Completed
7 Ocean Boulevard	" "	Finished save portion in Presidio, funds for which Congress recently appropriated
8 San Bruno Extension	" "	Completed
9 The Great Highway and Esplanade	Proposed improvement	Sect. "A" 500 ft. long 65% completed
10 Twin Peaks Blvd.	1st unit awarded	Both units completed
11 Hunters Point Blvd.		Proposed
12 Telegraph Hill Blvd.		"
13 Marina Boulevard		"
14 Twin Peaks Extension		"
15 Clarendon Ave., Clayton to St. Germain		Contract awarded



View of Richmond and Sunset Districts from Twin Peaks Boulevard.

## BERNAL CUT.

As outlined a year ago, this improvement is badly needed but its acquisition will have to be deferred until provision has been made to finance the purchase of right of way and cost of construction work.

## OCEAN BEACH ESPLANADE.

The first section of Ocean Beach Esplanade now under construction on the west shore of the City just south of the Cliff House by J. D. Hannah, Contractor, was started January 10, 1916. The structure is planned primarily for beach protection, having a front wall formed by driving interlocking concrete piling to depth of 13 ft. below extreme low tide. These piles were precast, are 10 in. thick, 4 ft. wide and 20 ft. long and when in position form a reinforced concrete curtain wall 10 in. thick extending north and south. 28 ft. to the east of this outer line of sheet piles are located pedestal piles 18 in. square with 3 ft. square bulb and 24½ ft. in length and spaced at 10 ft. centers. Between these two rows of piles are placed heavy reinforced beams 20 in. by 43 in. by 27½ ft. weighing 13 tons, which form the main ties, and by means of keyways support the intermediate slabs of concrete. These beams are placed on 20 ft. centers except at stair sections where they are at 10 ft. centers. The space between beams is concreted to form a heavy reinforcing slab, 5 bleacher seats and 3 stringers for additional support. The stringers have a cross section 16 in. by 18 in. The entire section between the beams has a solid bearing on sand and 18 in. of packed clay. The minimum thickness of this bleacher section is 12 in. The last bleacher riser develops into a rollway and this rollway ends at top of and forms part of a 3½ ft. parapet wall with returns at either side of each stairway section. Behind the parapet is a 20 ft. sidewalk with scrapper holes to release wave water, and 6 in. concrete curb and gutter.

Over the front row of sheet piles is a heavy reinforced concrete slab 4 ft. thick and .6 ft. wide which caps the piles and forms a main support for lower ends of beams and intermediate slabs. At the upper end of beams, bearing on pedestal piles is a similar cap which ties the upper portion of slab and structure together. Expansion joints are provided and likewise drinking fountains and electric light connections.

All sheet piles, H beams and pedestal piles were precast, allowed to season for 40 days and then put into position. Most of the precast work was done on the bank above the beach and hauled to position on cars over a construction track. Some were cast on the beach and handled directly by derrick. All piles were driven by 4 water jets and steam hammers.

Two jets of 2 in. pipe reduced to ¾ in. at discharge end were used on each side of sheet piles and one at each corner of bulb on pedestal piles and in both cases were so located that they discharged about 1½ ft. below the bottom of pile.

Water for jetting was supplied by the Olympic Salt Water Co. under static pressure of 130 pounds and nozzle pressure of 40 pounds per jet. Consumption of water by jetting process was approximately 100 cubic feet per minute. The steam hammer was made useful by the fact that the summer beach level is 8 ft. above required grade on sheet piles, and if placed to required grade by jets, it would be impossible to interlock the next pile. Therefore, 10 or 11 sheet piles were placed to sand grade and then with hammer and jets were driven to the required grade, one sheet pile always remaining at sand level to start next pile. Pedestal piles were jetted to required grade without the use of hammer. All jetting was accomplished without very great difficulty. Floating boulders, especially at the north end of the contract, gave some trouble, making it necessary to excavate 8 feet to winter beach level and then remove boulders.

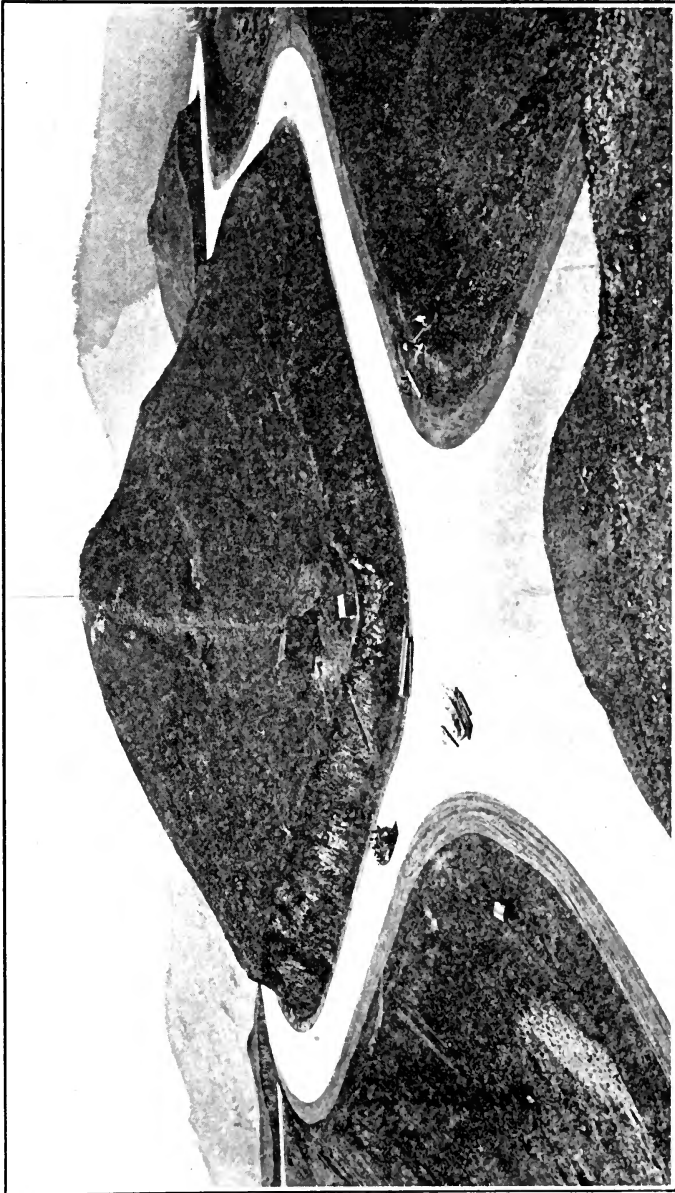


Figure 8 on Twin Peaks Boulevard.

On all precast work the concrete mix was 1-1½-3. The concrete on balance of work will be 1-2-4, the same being used throughout.

At present the driving of all piling is complete, H beams are in place and graded, and sheet piles poured. Bleacher section forms are in place and tamping of sand and clay under bleacher slab is in progress. Over 250 lineal feet of bleachers have been poured. Contract will be completed with the possible exception of sidewalk and backfill by August 1.

Contract for the second unit of the esplanade was awarded in July, 1916, to J. D. Hannah for \$23,148.90. This provides for an addition of 170 lineal feet of structure identical with that described above, so that by November 1, 1916, 670 ft. of structure will be completed. It is to be hoped that in the forthcoming budget enough money will be appropriated to complete this deserving project as far south as the chalet pile structure built some years ago.

### REGRADES.

On account of the excellent landscape views obtainable from their slopes, some of San Francisco's hills are extremely desirable as residence sites. Unfortunately, however, little thought was given to topography by the surveyor who first laid out the City in 1848. One set of streets was run parallel to the meridian, and another at right angles thereto. The fact that this gridiron plan would later necessitate grades as steep as 55 per cent on some streets and thereby greatly detract from the value of adjoining property, apparently was overlooked until many years later.

To eliminate, at a minimum cost, as many as possible of these excessive grades has been the policy of the City Engineer's office. No standard plan has been adopted to suit every grade, but a separate study is made of each case, and the improvement best adapted thereto recommended.

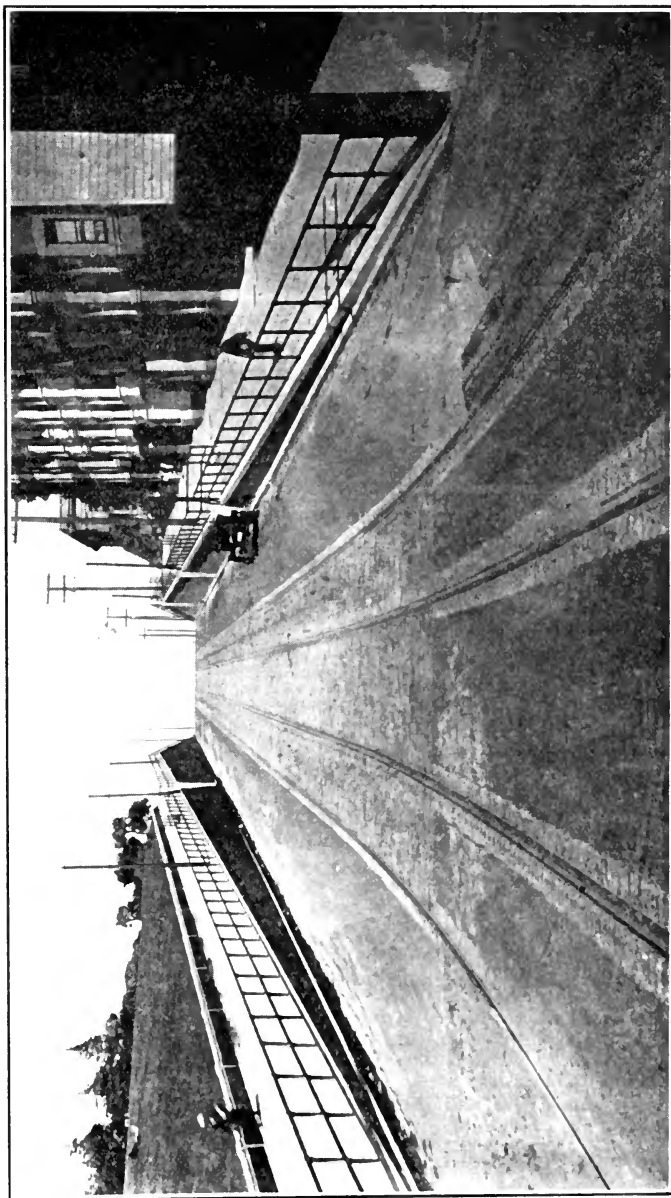
At the request of the property owners affected, the grade of Larkin Street between Chestnut and Francisco Streets has recently been reduced from 29 per cent to a maximum of 16 per cent. The cost of this improvement is being paid by the owners having frontage on the streets to be regraded. On Larkin Street \$16.31 per front foot will be assessed against the property on each side of the street, and on Francisco Street the rate will be \$20.29 per front foot. Present property values on both these streets are now in the neighborhood of \$115 per front foot. The regrade will advance this value to over \$250.

For a width of 28 ft. the east side of Larkin Street between Chestnut and Francisco Streets has been cut down to descend on a uniform 16.07 per cent grade. On this incline is an 18 ft. vitrified brick roadway and a 10 ft. artificial stone sidewalk. This strip is separated from the west side of the street by a reinforced concrete retaining wall, and near the bottom of the hill turns westward into the southerly side of Francisco Street. The west side of Larkin Street has been graded to a higher elevation than the east side, and descends on grades varying from 4.37 to 10.92 per cent, for a distance of 157.5 ft., where its vitrified brick roadway 23.25 ft. wide terminates in a parked slope. At its termination the west roadway is 12 ft. higher than the east roadway directly opposite. The sidewalk continues down the west side in a series of steps to the level of the easterly strip at Francisco Street.

Turning westerly, the steeper strip continues to descend on a 16 per cent grade along the south side of Francisco Street for a distance of 127.5 ft., separated from the north side of the street by a reinforced concrete retaining wall. Around the westerly end of this wall the roadway turns through 180 degrees, descending easterly along the north side of Francisco Street on a 3.6 per cent grade, back to Larkin Street, into which it turns northerly.

By this detour a roadway suitable for automobile traffic has been provided from the North Beach District to the higher levels on the south, and some very





Hayes Street Regrade.

desirable hillside home sites, now inaccessible and undeveloped, opened for immediate settlement.

Contract for this construction was awarded to F. Rolandi at an estimated cost of approximately \$30,000. The construction will be completed in the immediate future.

The entire expense of this work is being paid for voluntarily by the property owners, without any appeal to the municipal treasury. They co-operated with this office in the most friendly manner to adjust the problems connected with this work.

#### HAYES STREET REGRADE.

This improvement has recently been completed and consisted of cutting the roadway down between curb lines for a maximum of 15 ft., thereby establishing a 10.909% grade between Scott and Pierce Streets in lieu of the 14.54% grade previously existing, and lowering the intersection of Pierce and Hayes Streets an average of 14 ft. Retaining walls at the curb lines form the sides of the cut, stairways being provided at intervals connecting the street with the sidewalks on the upper level. Sewers and public service pipes were placed under the sidewalks. The Hayes Street electric car line which formerly detoured at Fillmore Street to reach the district west of this regrade now continues directly over Hayes Street through the new cut, effecting considerable saving in time and power. On this work 11,500 cubic yards of excavation was done by the Street Railway Company while the City paid \$16,000 for the balance of the improvement.

Bids are about to be received for the improvement of Cumberland Street, Sanchez to Noe Streets, and Sanchez Street, 19th to 20th Streets, and proceedings have been started for the improvement of Leavenworth Street, Chestnut to Hyde Street.

Collingwood Street, 20th to 22nd Streets, and 21st Street and 22nd Street between Castro and Diamond Streets, are to be treated shortly to improvements that will tend to make accessible this very precipitous district.

Other projects of a similar nature are:—

Bartol Street, Vallejo and Broadway, Kearny and Montgomery Streets;  
Caselli Avenue, Falcon and Eagle;  
Caselli Avenue, Clayton, Corbett, Mars.

#### MUNICIPAL RAILWAYS.

##### CHURCH STREET ROAD

Article XII of the new Charter of the City and County of San Francisco which became effective January 8, 1900, declares it to be the intention of the people that its public utilities shall be gradually acquired and ultimately owned by the City and County of San Francisco.

With particular regard to the ownership and operation of its street railway system, this policy may be considered to have been ratified by the people when on December 30, 1909, at a special election they voted \$2,020,000 of bonds for the construction of the Geary Street Railway, the franchise for the old Geary Street Cable Road having expired in 1903. With this money the Geary Street Municipal Railway was constructed and operation from Kearny Street to the Beach and Park commenced on December 28, 1912; on June 24, 1913, operation was extended to the Ferries.

The Panama-Pacific Exposition a little later made imperative the immediate expansion of the Municipal Railway System to provide transportation to and from the fair grounds. The site selected for the Exposition, while ideal in some

respects, was somewhat inaccessible and presented a serious problem in the matter of street transportation. The only lines running anywhere near the Exposition were the Fillmore Hill and the Polk Street Lines of the United Railroads and the Union Street Line. The exposition directors, City officials and Railway officials were impressed with the need for action and gave the matter early and serious consideration. In addressing the Board of Supervisors on the subject on February 5, 1913, C. C. Moore, President of the Exposition Company, said: "I do not think we are saying too much when we say that the burden of supplying adequate street railway transportation to the Exposition belongs to the City and not to us. We want to tell you how desperate this is, how utterly and completely inadequate the present facilities are. \* \* \* With no street car facilities to the Exposition Grounds our \$100,000,000 structure, built by our pride and our patriotism, so far from fruition, will be a sad thing to contemplate."

At the same meeting, Mr. Mullaly, Exposition Director, and Vice President of the United Railroads, stated most emphatically that "The United Railroads will not build one foot of additional street railroad under present charter conditions."

Confronted with these conditions, upon the request of the Directors of the Panama-Pacific International Exposition, the Board of Supervisors by resolution directed the Board of Public Works to have the City Engineer submit plans and estimates of cost of a Municipal Railway System designed to furnish to the Panama-Pacific Exposition an adequate street railway service and at the same time form a nucleus for a desirable Municipal Railway System.

In accordance with this resolution the City Engineer on April 5, 1913, submitted to the Board of Public Works for transmittal to the Supervisors, a report upon the extensions of Municipal Railways to provide transportation for the Panama-Pacific International Exposition. Acting upon this report, the question of a bond issue of \$3,500,000 for constructing the lines recommended therein was submitted to the people and overwhelmingly carried at an election held August 26, 1913.

The subsequent program of prompt and efficient construction under the supervision of this department—all work being completed on time—provides a unique exhibit of municipal efficiency.

The Exposition has since passed into history, but it is of interest to review a few of the figures bearing upon the attendance and the transportation that it may better be appreciated how necessary these lines were to the success of the Exposition and how well the demands were met.

The total attendance at the Exposition for the 288 days was 18,875,974. It is estimated that at least 50 per cent of this number was handled on the Municipal lines, representing approximately \$1,000,000 in fares due to the Exposition traffic alone.

The greatest attendance for any single day was on closing day, December 4, when 458,558 people attended the Exposition. The Municipal Railway receipts on this day were \$16,748.20, representing 334,964 cash fares; or in other words, 36½ per cent of the total attendance rode both ways on the Municipal lines.

The second largest day was San Francisco Day, the attendance being 348,372, the railway receipts \$13,922.75, or 40 per cent of the attendance both ways.

The third largest day was opening day, 255,149, when the railway receipts were \$13,299.70, or 52 per cent of the attendance. All of these days were holidays and practically all of the business handled by the roads was Exposition traffic. The reduction of the percentages as the attendance of 255,000 was exceeded, indicates that the capacity of the lines was practically reached on these three days that the crowds were not comfortably handled. The pre-Exposition estimate was that there would be at least one day in excess of 250,000 attendance.

The total Municipal Railway receipts for the Exposition year were \$2,255,841.15 to apply to interest, depreciation and reserves. It is interesting to note

that this surplus represents practically the total cost of the track construction for the Exposition extensions.

Of all the lines provided for under the 1913 Bond Issue the Church Street line was the only one not completed for service prior to the opening of the Exposition.

An examination of the Journal of the Board of Supervisors will reveal the extent and bitterness of the controversy aroused at the time that the construction of this road was up for consideration. Briefly, the history of this Church Street controversy which was the cause for the delay in the construction of this line, is as follows:—

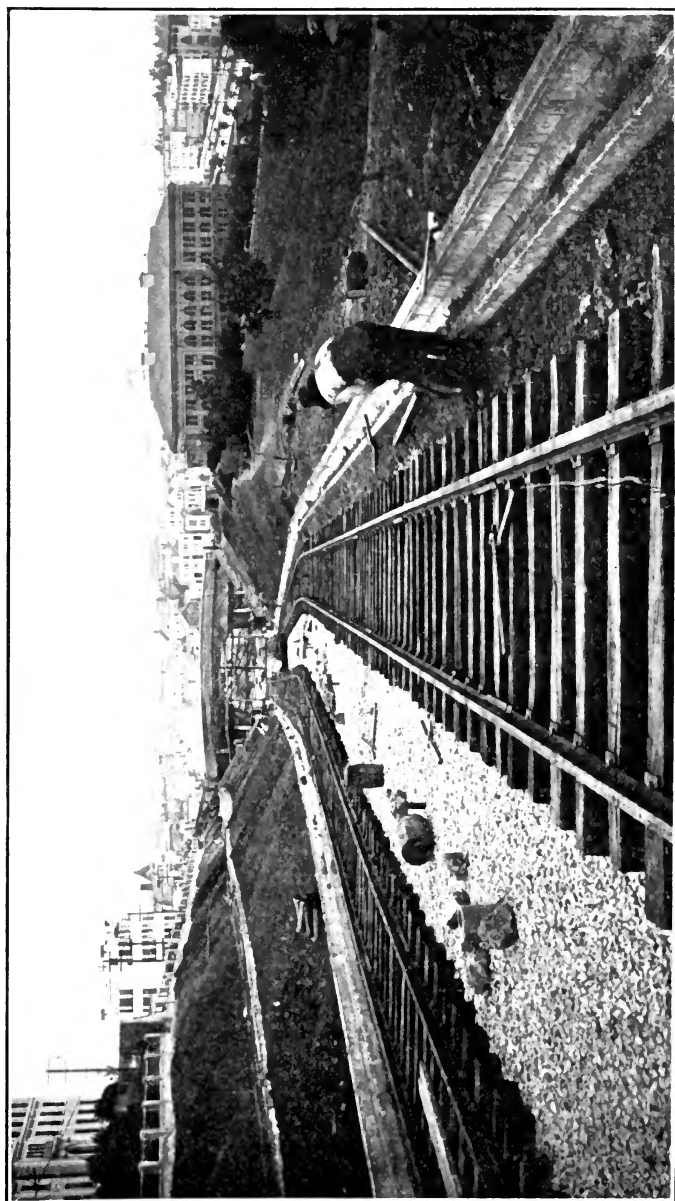
The City Engineer recommended that the Church Street line be diverted from Church Street through Mission Park and a private right of way acquired from 18th to 22nd Sts., for the purpose of making a detour to overcome the extreme grade of 19.3 per cent on a direct route over Church Street between 20th and 21st Streets. In connection with this diversion it was planned also to open a street along the railroad grade for the accommodation of vehicular and pedestrian traffic, the cost of opening this street to be paid for by an assessment on the property benefited. The assessment feature aroused a storm of protest from a number of the affected property owners.

In an endeavor to effect a solution of this Church Street problem satisfactory to all interests, some nine comprehensive studies were made by the City Engineer, including, by an order of the Board of Supervisors, the preparation of complete plans and specifications for a cable operated road over the hill. After protracted discussion by the Board of all the possible solutions, which lasted for eighteen months, on February 8, 1915, the Supervisors passed an ordinance empowering the Board of Public Works to authorize the City Engineer to prepare plans, specifications and contracts and advertise for bids for furnishing necessary material for constructing the Church Street extension of the Municipal Railway System and approving the plan for overcoming the grades between 18th and 22nd Streets by a diversion through Mission Park and private property between 20th and 22nd Streets. This plan, as finally approved, follows closely the original recommendation of the City Engineer as to location, but the right of way was narrowed to 28 ft. and is without provision for pedestrian or vehicular traffic. Under pressure of the protestants organized as the Church Street Non-Assessment League, the Supervisors agreed that the City would assume the expense of opening the railroad right of way, thereby adding something over \$150,000 to the charges against the railroad construction.

By comparing the finally adopted plan with the tunnel project suggested in Arnold's report, Page 278, which would have cost \$100,000 more to execute and be less desirable for use, the City is to be congratulated on the final outcome and much well deserved credit should be given to Messrs. Ransom and Eckart of this office for their intelligent zeal in furthering this work.

Acting upon the ordinance authorizing the construction in June, 1915, bids were invited for furnishing and delivering the track special work for the Church Street Line, including the track special work for laying outer tracks on Market Street. The question of purchasing this material for the outer tracks on Market Street was put up to the Supervisors, but no decision was reached until December 1, 1915, when the Board of Public Works was authorized to purchase all of the materials for the Church Street Line except those for the outer tracks on Market Street from Van Ness Avenue to Church Street.

Contracts were awarded for constructing one section of the Church Street Line from 18th to 22nd Streets, and another section from 16th to 18th Streets and from 22nd to 30th Streets. Both of these contracts have been completed prior to July, 1916, but owing to a controversy with the United Railroads and an injunction, the City has been unable to connect its Church Street tracks with the other tracks of its system. The City Engineer's office had previously taken



Grade for Detour on Church Street Railroad.

this matter up and agreed with the engineers of the United Railroads on the valuation of the tracks between Market Street and 16th Street on Church Street, which tracks formed a part of the Church Street Line under the original plan. Arrangements also were made with the United Railroads by which connection would be made with the United Railroads tracks on 16th Street at Potrero Avenue and at Church Street for the purpose of permitting temporary routing to and from the Potrero Avenue car barn from the Church Street tracks, the City paying the United Railroads a nominal charge for current and wear and tear on the track and overhead. Pending the settlement of the question of the City's right to lay tracks on Market Street, the United Railroads agreed to an exchange of transfers at Church and Market Streets. These arrangements, which offered a temporary solution for the operation of the Church Street Road, were never consummated owing to the refusal of the Board of Supervisors to allow the exchange of transfers at Church and Market Streets on a 40-60 basis, that is, redeeming Municipal transfers for three cents from the United Railroads and allowing the United Railroads to redeem their transfers to Church Street on a two cent basis. This interchange was recommended by the City Engineer's office as being equitable based on the ratio of the lengths of the lines involved, the Church Street line being approximately 9,000 ft. against 14,000 ft. operated by the United Railroads on Market Street.

In order to precipitate matters and bring the questions into court for a final settlement of all the questions involved, the City commenced the installation of the outer tracks on Market Street at Van Ness Avenue on June 12, 1916, but were stopped from proceeding by an injunction secured in a Federal Court. This matter is still in the courts at the present time and it will probably be several years before it is finally settled as both the City and the United Railroads are determined to carry the matter to the highest tribunal.

In the meantime, a second contract for purchasing track special work for the Market Street section of the Church Street Line has been awarded to the United States Steel Products Company, which provides that the City may order this material at any time within a period of one year or abandon the contract, so that whenever this matter is settled favorable to the City, work can proceed immediately on the construction of the track.

Owing to the complex proposal connected with the Church Street work, it is interesting to recite the different public proceedings incident to the successful completion of a portion of this work:—

#### CHURCH STREET LINE—MUNICIPAL RAILWAYS

Connection between Van Ness Avenue and Church Street.

June 29, 1914—Resolution directing Board of Public Works to prepare plans and specifications for the construction of the Church Street Line from Market Street and Van Ness Avenue to Dorland and Church Streets to 30th and Church Streets, and that the construction of this unit be proceeded with as soon as possible, owing to difficulty in getting satisfactory plans for portion between 22nd and Dorland Streets.

Motion introduced; laid over 3 weeks.

Aug. 3, 1914—Above motion reported on adversely by Public Utilities Committee and refused passage, 10 to 6.

Dec. 21, 1914—Ordinance authorizing Board of Public Works to prepare plans and specifications and contracts, and advertise for bids for material for constructing the Municipal Railway along Market to Church Street and along Church Street to the northerly line of 18th Street. Introduced by Vogelsang; referred to Public Utilities Committee.

- Jan. 4, 1915—On motion of Supervisor McCarthy, consideration of ordinance laid over 2 weeks; 13 to 4.
- Jan. 19, 1915—Ordinance authorizing construction of Church Street Line from Van Ness Avenue out Market Street to 18th and Church Streets; brought up and made special order of business for the following Thursday at 3 P. M.
- Jan. 21, 1915—J. R. 1626, introduced by Power, requesting City Engineer to present estimate of cost of Church Street road, utilizing United Railroads trackage now in place on Market and Church Streets; carried unanimously.
- Ordinance authorizing Board of Public Works to prepare plans and specifications for the construction of the Church Street extension from Van Ness Avenue and Market Street to 18th and Church Streets, indefinitely postponed on motion of Supervisor Vogelsang.
- Jan. 25, 1915—Motion introduced by Supervisor Power requesting United Railroads to advise Board of Public Works to enter into agreement with City for use of Market Street tracks; lost 8 to 8.
- Feb. 1, 1915—Report of City Engineer dated January 27, 1915, showing estimate of cost of constructing Church Street Line, recommending that authority be given the Board of Public Works to immediately advertise for bids for furnishing material and labor necessary to construct the Church Street extension from Van Ness Avenue and Market Street to 30th and Church Street, and recommending that the Board of Supervisors pass a resolution indicating whether they desire that additional tracks be constructed outside of the United Railroads tracks on Market Street from Van Ness Avenue to Church Street or to use the United Railroads tracks on this street.
- Thereupon Supervisor Vogelsang presented a bill directing the Board of Public Works to prepare plans and specifications for the construction of the Church Street extension. Passed to print.
- Feb. 8, 1915—Ordinance authorizing Board of Public Works to advertise for bids for constructing the Church Street road from Van Ness Avenue and Market Street to 30th and Church Streets; adopted 11 to 6.
- J. R. 1662 introduced by Vogelsang, authorizing Mayor and City Attorney to enter into negotiations with the United Railroads for the joint use of tracks on Market Street. Carried unanimously.
- June 19, 1915—Board of Public Works invited bids for furnishing and delivering track special work for the Church Street line, including track special work for outer tracks on Market Street from Van Ness Avenue to Church Street.
- June 26, 1915—Board of Public Works called for bids for furnishing and delivering steel rails, rail fastenings and joints for the Church Street Line.
- July 9, 1915—Letter from City Engineer to the Board of Public Works recommending that the question be submitted to the Supervisors and a decision obtained from them as to whether or not it is their intention to have outside tracks constructed on Market Street.
- July 22, 1915—Recommendation of City Engineer to award contract for track special work and advising contractor not to execute work until policy settled.

- July 27, 1915—Letter from City Engineer to Board of Public Works awarding contracts for various materials and recommending contract be held up pending settlement by the Supervisors as to the question of constructing outer tracks on Market Street.
- Sept. 20, 1915—Communications from the City Attorney and Mayor relative to negotiations with the United Railroads for the use of the Market Street tracks, indicating that no agreement was probable.
- Dec. 1, 1915—Approximately, Public Utilities Committee, Board of Supervisors, authorized purchase of all materials not actually involved in constructing outer tracks on Market Street.
- Dec. 7, 1915—Report of City Engineer to Public Utilities Committee suggesting three possible solutions for operation on Church Street Road.
- Jan. 3, 1916—Bill No. 3907 authorizing submission of an offer to United Railroads for purchase of west of Twin Peaks Tunnel Line with provision for interchange of transfer at Church and Market, etc. Recommended to Public Utilities Committee.
- Apr. 3, 1916—Resolution No. 12,772 (new series) accepting offer of United Railroads for use of tracks on 16th Street from Potrero Avenue to Church Street. Accepted. Passed 17 votes.
- May 1, 1916—Resolution No. 12,887 directing Board of Public Works to proceed with construction of outer tracks from 16th and Church Streets to Van Ness Avenue and Market Street. Adopted. 17 votes.
- May 2, 1916—United Railroads refuse to allow installation of track crossing at 18th and Church Streets.
- May 4, 1916—Conference Mayor Rolph, Judge Sullivan, M. M. O'Shaughnessy, N. A. Eckart; decision made to install 18th Street crossing on Saturday afternoon and Sunday.
- Apr. 29, 1916—Section "C" of Church Street Line completed.
- May 13, 1916—Commenced installation of crossing at 18th and Church Street at 1 P. M.; in place ready for operation of United Railroad cars Sunday morning.
- May 14, 1916—Connected up rails of Section "C" with crossing.
- May 18, 1916—Letter withheld from Board of Public Works.
- May 19, 1916—N. A. Eckart in consultation with Mayor Rolph relative to installation of crossing at Van Ness Avenue and Market Street.
- June 9, 1916—Conference, Mayor Rolph, Judge Sullivan, George Lull, M. M. O'Shaughnessy, N. A. Eckart, relative to installation of tracks on Market Street and laying foundation for suit.  
Decided to install crossing at Van Ness Avenue and Market Street on June 12.
- June 12, 1916—Resolution of Board of Public Works authorizing City Engineer to construct outer track on Market and Church Streets by day labor.  
1 P. M. commenced opening street to install crossing.
- June 13, 1916—Enjoined from further work.
- June 28, 1916—Section "B" track work completed.
- July 21, 1916—Contract No. 81 for installation of trolley wires completed and road ready for operation except connection with United Railroads.
- Aug. 22, 1916—Judge Hunt (U. S. Circuit Court) commenced hearing of case.
- Aug. 25, 1916—Completed hearing of case. Fixed October 10 as date for submission of final briefs of United Railroads in rebuttal.



In the last annual report mention was made of the proposed extension of the Municipal Railway across Golden Gate Park from 10th Avenue and Fulton Street to 14th Avenue and Judah Street, the plans and specifications for which road at that time were approximately 90 per cent completed. Upon the completion of these plans, they were submitted to the Board of Park Commissioners in November, 1916, with the request that the Park Commissioners give their consent to the construction of this line in accordance with the plans prepared. This request was met with absolute refusal and with the counter-suggestion that if the Park was to be crossed it should be in the vicinity of 20th Avenue and then in a subway or tunnel. The cost of such a tunnel being in the neighborhood of \$800,000 was of course absolutely prohibitive and warranted no consideration. Following upon this action by the Park Commissioners, the Board of Supervisors passed a resolution directing the Board of Public Works to immediately proceed with the construction of the line across the Park in accordance with the plans prepared under the original ordinance. This resolution was vetoed by His Honor, Mayor Rolph, and later failed of securing the necessary votes to pass over the Mayor's veto. Immediately prior to vetoing the resolution, the Mayor called a conference of the Park Commission and representatives of the Supervisors and the City Engineer in an endeavor to reach some solution. At this conference the Park Commission remained firm in their stand to oppose the construction of the Golden Gate Park Line between 10th Avenue and Fulton Street and 14th Avenue and Judah Street, but offered as a compromise to permit a surface crossing at 20th Avenue, the crossing to follow the City Engineer's plans as developed for the original location. Due to the excessive outlay involved for this 20th Avenue route, the loss of earnings from the missing patronage of the music stand region the desirability of its construction now may be well questioned if the funds are available. The construction of the line across Golden Gate Park is at present in a somewhat anomalous condition. There is an ordinance authorizing and directing the Board of Public Works to construct this line between 10th Avenue and Fulton Street and 14th Avenue and Judah Street and the City Attorney has held that the Supervisors have the authority to order the construction of this line across the Park regardless of the opposition of the Park Commission provided that such road does not interfere with the free use of the Park for park purposes. Eminent attorneys, on the other hand, question this and nothing but a Court decision can absolutely determine the question. In view of this it is doubtful if any line will be built across the Park for some time to come.

In conjunction with the extension of Potrero Avenue south this office has recommended, and the Board of Supervisors have authorized, the construction of an extension to the Potrero Avenue Line from 25th Street, at the present terminus, to Army Street, the estimated cost of the work being \$10,000. This short extension was determined on in view of the fact that, by constructing the track in advance of the pavement, a saving of approximately \$2,500 would be effected in the ultimate cost of the Potrero Avenue extension by avoiding the necessity of tearing up new pavement to lay tracks. Contracts for furnishing the track special work have already been awarded and contracts for the track work will be let at such time as to permit of the track being laid following the completion of the heavy excavation.

Upon the recommendation of this office the Supervisors have appropriated \$275,000 from the surplus earnings of the Municipal Railway System for the purpose of constructing the track and overhead work through the Twin Peaks Tunnel from 17th and Market Streets to the junction of Sloat and Junipero Serra Boulevards. The ordinance authorizing this construction also provides for a connection from the west portal of the Twin Peaks Tunnel out Taraval Street to the Ocean Beach. The additional money necessary for completing this portion of the line has not as yet been appropriated. Bids have been invited for furnishing the steel rail for the track work through the tunnel and other contracts

will be let at such times as may be necessary to provide for the completion of the Twin Peaks Line at the earliest date the progress of the tunnel will warrant.

The City Engineer has on several occasions orally and in written reports advised the Board of Public Works and Supervisors of the necessity of preparedness in having adequate transportation facilities arranged so as to reap the fullest benefit to the City immediately on the completion of the \$4,000,000 Twin Peaks Tunnel. San Francisco is suffering from lack of adequate rapid transit to the outlying sections, and while the problem is involved and complex, the City authorities have shown so much constructive ability in the past four years in overcoming other obstacles that it is hoped some immediate attention and consistent effort will be given to this pressing subject.

The street railway situation in San Francisco presents a number of serious problems. The track mileage in the City is more than five years behind the needs of the present population. It is difficult to extend the street railway facilities logically or economically because of the fact that all of the railway lines are not under a unified control. The City cannot force the United Railroads to make any extensions nor will the United Railroads make any extensions of their own volition under existing Charter conditions. Many extensions are at present desirable but without suitable connections or transfer arrangement with both the Municipal Railway and the United Railroads system would be of little real benefit. The more carefully the situation is studied the more urgent appears the necessity for the unification of control of all the existing railroad lines, and until this has been accomplished San Francisco will have to put up with a more or less inadequate transportation system. This office at the present time is studying the problem and expects to make a report shortly outlining a logical program for future extensions of the existing Municipal Railway System, but at the best the construction of these extensions will fall short of solving the transportation question in San Francisco, for the solution of this problem requires consideration on broader lines.

The time is fast approaching when a rapid transit system must be considered. This would be either of subway or elevated type, preferably the latter, at this stage of our development, the comparative costs being about \$800,000 a mile for the elevated as against \$3,500,000 a mile for the subway construction. The first link in a rapid transit system naturally should parallel Market Street connecting with the Twin Peaks Tunnel and with a branch extending south through the Mission in the vicinity of Capp Street.

## STATEMENT OF 1910 GEARY AND MARKET STREETS BOND FUNDS.

## EXPENDITURES.

Prior to July 1, 1915.....		\$1,948,602.05
From July 1, 1915, to July 1, 1916:		
Ferry outer loop on Embarcadero, Lower Market Street .....	\$ 2,058.50	
Car Barn Extension, Geary Street Railway Tank and Tower Foundation .....	645.20	
Carn Barn, Second Story, Geary Street Railway.....	29,170.57	
Carn Barn—Construction Tank and Tower.....	1,482.00	
Carn Barn Construction—Completing Heating System	341.14	
Extra Parts and Equipment.....	423.93	
Plans and specifications.....	306.35	
		<hr/>
Total during last fiscal year.....		\$ 34,427.69
		<hr/>
Total to date.....		\$1,983,029.74
Available for future expenditures.....		43,282.16
		<hr/>
Total sale of bonds, miscellaneous sources and unsold bonds .....		\$2,026,311.90

## STATEMENT OF 1913 RAILWAY BOND FUND.

## EXPENDITURES.

Prior to July 1, 1915.....		\$3,122,731.82
From July 1, 1915, to July 1, 1916:		
Auto Truck and Tower for Trolley Repair.....	\$ 2,165.00	
Bending Rails, Church St. Railway.....	791.27	
Church St. Railway, 18th to 22nd St. ....	93,371.79	
Concrete Trolley Poles Reinforced, for Church Street Railway .....	6,404.41	
Concrete Trolley Poles, Division St., Potrero to Bryant St. ....	238.00	
Copper Rail Bonds, Church St. Railway.....	2,975.10	
Electrical Conductors, Church St. Railway.....	5,353.31	
Header Blocks .....	135.37	
Incidentals other than extras.....	119.89	
Inspection of Railways—Church Street Extension.....	8,095.34	
Inspection of Railways—Construction and Extension	1,008.90	
Lands—Supervisors' Expenditures .....	263.04	
Machine Shop Equipment, Pipe Yard.....	1,325.39	
Plans and Specifications Church Street Railway.....	3,370.66	
Plans and Specifications for Municipal Railways.....	10,777.09	
Church St. Railway—Condemnation of Rights of Way	956.90	
Church St. Railway—Drilling Test Holes in Private Rights of Way .....	199.00	
Division St., Bryant to 10th Sts., Re-arrangement Fire Dept. Stables.....	8,738.54	
Hydrants, Church St. Right of Way, 18th to 22nd Sts. ....	200.00	
Lockers in Car Barns, 17th St. and Geary St. ....	2,820.00	
Rails, Joints, Fastenings and Spikes, Account No. 2, Church St. Railway.....	38,323.67	
Unloading and Storing Railway Material.....	2,104.81	
Sand Bins in Car Barns, Steel.....	1,760.00	
Tie Plates, Church St. Railway.....	1,539.75	
Track Special Work.....	4,264.00	
Work for Municipal Railway.....	6,706.64	
Ties, Redwood, Church St. Railway.....	4,889.60	
Church St. Railway, 16th to 18th and 22nd to 30th Sts. ....	56,734.03	
Car Bodies .....	21,750.00	
Carn Barn, 2nd Story, Geary St. Railway.....	243.00	
Total during last fiscal year.....		\$ 287,824.50
Amount available for further contracts.....		148,683.48
Total receipts for sale of bonds and miscellaneous sources .....		\$3,569,039.80

**STREET PAVEMENTS.**

With the marvelous increase in the yearly output of motor-driven vehicles, from the light touring car to the extra heavy auto truck, capable of transporting extraordinary loads, there has grown a constant demand for more and better street construction, to be able to withstand this new and more severe type of traffic. Highway Engineering has therefore grown to be one of the most important branches of Municipal Engineering. The passage of workable highway laws, like the Street Improvement Act of 1911, amended in 1915, as recommended by the City Engineer, makes possible the construction of a large number of street pavements that were practically impossible under the old street improvement acts, on account of the prohibitive method of assessment. The remarkable increase in the number of street assessment contracts over previous years, is due in a large measure to this very moderate plan of assessment, under the new law, the payments of which can run from 1 to 10 years, thus putting an otherwise prohibitive street improvement within the reach of the property owners of small means.

Between July 1, 1915, and June 30, 1916, more pavements were constructed under public assessment than in any other single year in the City's history. This year has also been conspicuous for the introduction of modern creosoted wood block pavement and the replacement of the obsolete cobblestone pavement by modern first class vitrified brick surfaces. Rough kiln marked type vitrified brick has been used extensively on steep grades. The practical elimination of the waterbound macadam has also been accomplished. This past year has also seen the construction of the first concrete pavement built under City supervision. It is hardly possible, however, that with the present remarkably low price of asphalt pavement, namely, \$1.35 per square yard, that this type will ever be extensively used here, except in outlying districts.

Granite curb is gradually being displaced by armored concrete curbs, at a reduction in cost of about 50 per cent, and a distinctive gain in the matter of appearance.

With the advent of the creosoted wood block pavement, and the already increasing quantity of vitrified brick pavement, practically all of the most modern types of pavement are now in use in San Francisco, each in the location to which it is best adapted.

The pavement diagram which follows shows graphically the increase in quantity and popularity of the sheet asphalt type of pavement. The suitability and low cost of construction is the reason for the remarkable increase. Specifications for all types of pavements constructed here insure street surfaces that compare favorably with those of the other large American cities, and in the case of the asphalt, the pavements constructed with this material here are unsurpassed by the same type of surface anywhere in the United States.

Table No. 2 gives a summary of the cost and quantity of street improvements constructed during the fiscal year under the supervision of the City Engineer.

Considerable improvement has been made during the year in the method of handling the office work in regard to street improvements, all the forms being standardized and filed under a specially designed card system, the greatest improvement in this line being made in the matter of keeping cost data on street improvements. Instead of the cumbersome book form, special cards have been made whereon all this data is entered. The new cost sheets give the segregated costs for different thickness of surface, binder course and base.

The appended photographs show some of the standard types of pavement actually constructed in the City, with a brief explanation regarding their important features of construction.

Type of Pavement, Vitrified Brick (rough kiln marked) and Asphalt.  
 Location of Improvement, Eighth Avenue between Lawton Street and Moraga Street.  
 Length of Block, 600 ft. Width of Side Strip, 20 ft.  
 Width of Street, 70 ft. Width of Center Strip, 20 ft.  
 Width of Roadway, 40 ft. Date of Acceptance, March 2, 1914.

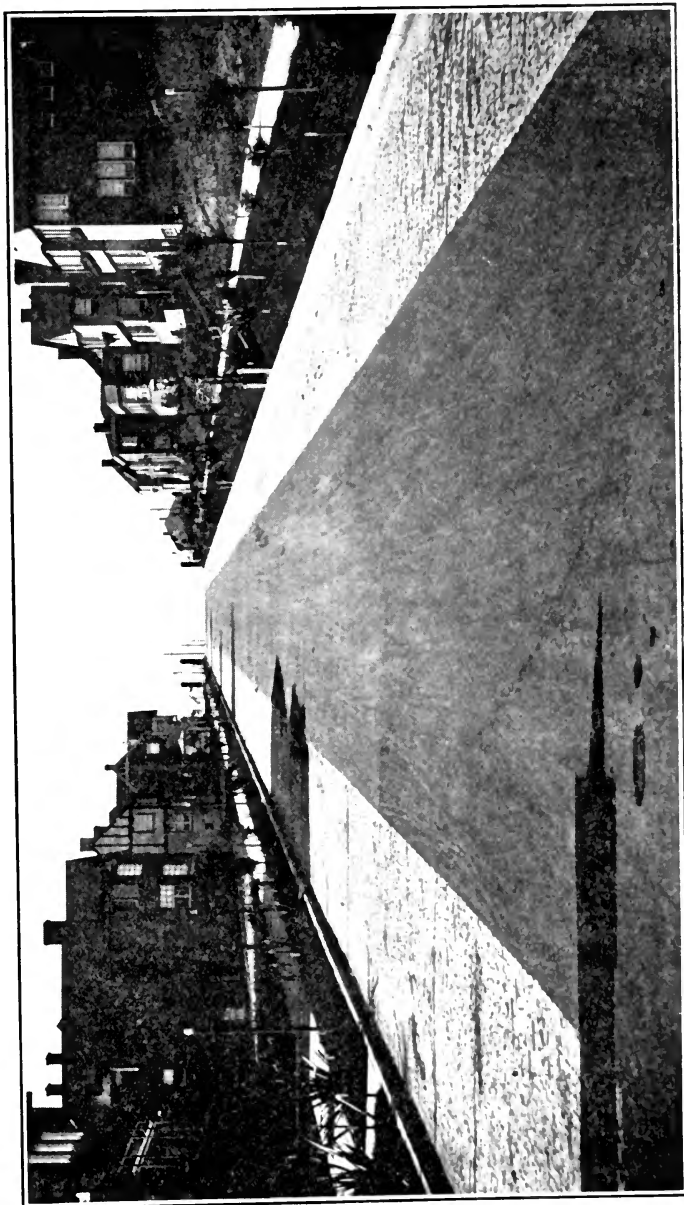
## CONSTRUCTION DATA.

## Side Strip—

Kind of Base, Cement Conc.	Thickness, 6 in.	Proportions, 1:2½:7
“ “ Cushion, Sand	“ 1½ in.	
“ “ Filler, Cement		
“ “ Surface, Vit. Brick		

## Central Strip—

Kind of Base, Cement Conc.	Thickness, 6 in.	Proportions, 1:2½:7
“ “ Surface, Bit. Rock	“ 2 in.	



Eighth Avenue between Lawton and Moraga Streets.

Type of Pavement, Creosoted Wood Block.

Location of Improvement, Battery Street between Bush and Pine Streets.

Length of Block, 275 ft.

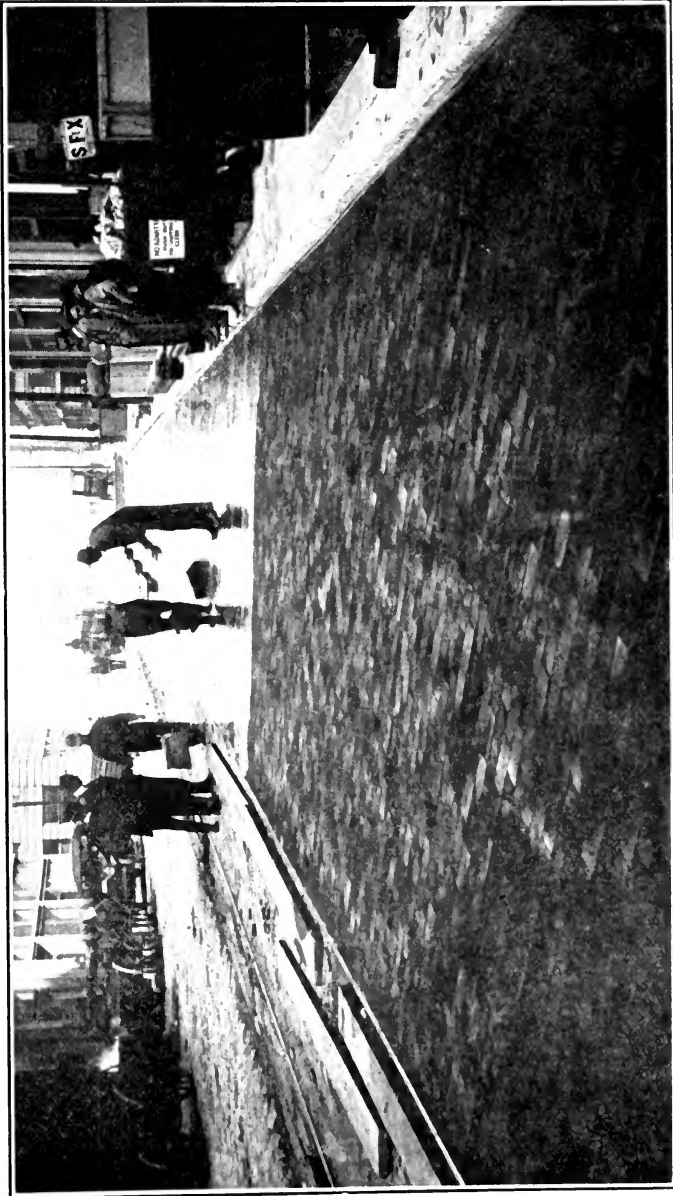
Width of Street, 68 ft. 2 $\frac{3}{4}$  in.

Width of Roadway, 40 ft. 4 $\frac{3}{4}$  in.      Date of Acceptance, Previously Accepted.

#### CONSTRUCTION DATA.

Kind of Base, Cement Conc.	Thickness, 6 in.
“ “ Cushion, Sand	“ 1 $\frac{1}{2}$ in.
“ “ Filler, Tenex Asphalt	“
“ “ Surface, Asph. & Pea Gravel	“ 1 $\frac{1}{4}$ in.





Battery Street between Bush and Pine Streets.

Type of Pavement, Vitrified Brick.

Location of Improvement, Pierre Street from Jackson to Pacific Street.

Length of Block, 275 ft.

Width of Side Strip, none.

Width of Street, 68 ft. 9 in.

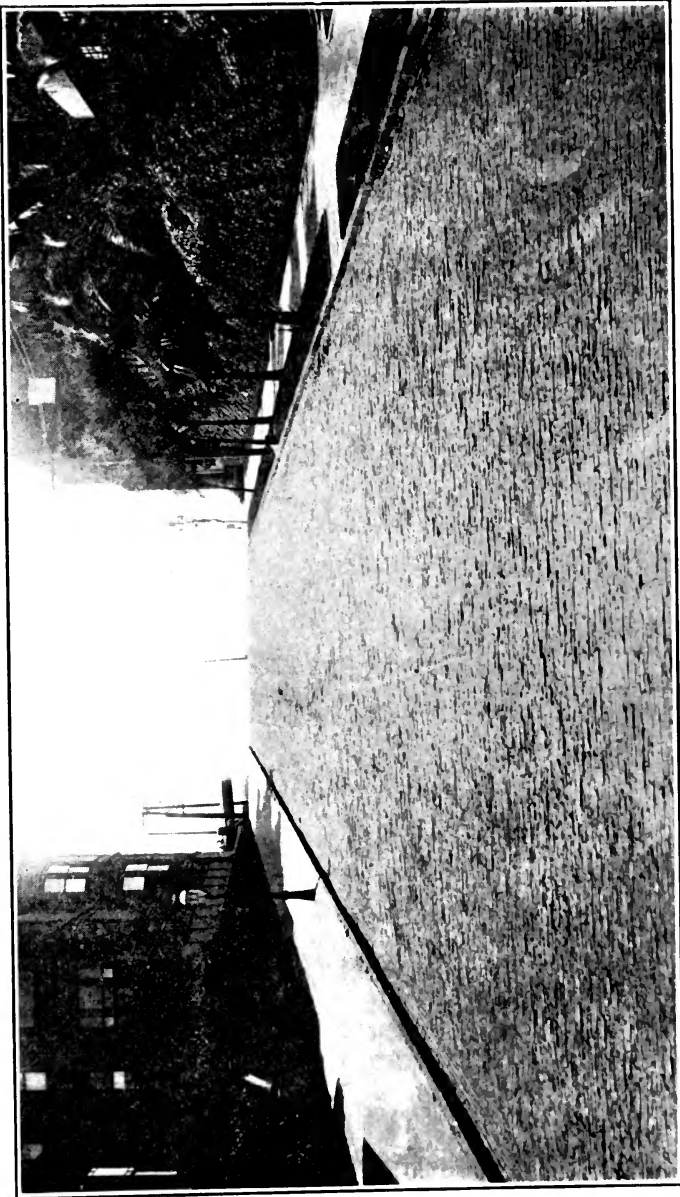
Width of Center Strip, none.

Width of Roadway, 38 ft. 9 in.

Date of Acceptance, January 22, 1914.

#### CONSTRUCTION DATA.

Kind of Base, Cement Conc.	Thickness, 6 in.	Proportions, 1:2½:7
“ “ Cushion, Sand	“ 1½ in.	“ .....
“ “ Filler, Cement	“	“ 1:1½
“ “ Surface, Brick	“ 4 in.	“ .....



Pierce Street from Jackson and Pacific Streets.

Type of Pavement, Sheet Asphalt and Basalt Block Gutters.

Location of Improvement, Geary Street between Stockton and Powell Streets.

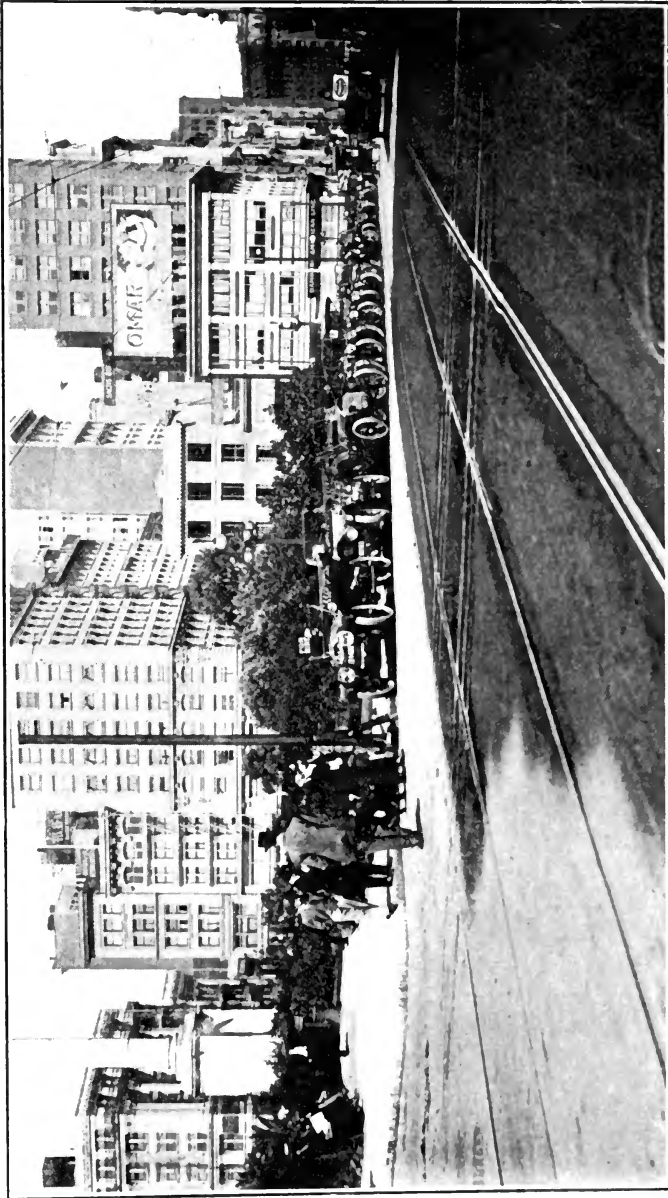
Length of Block, 412 ft. 6 in.      Width of Side Strip, 11 ft. 7 in. and 17 ft. 4 ½ in.

Width of Street, 68 ft. 11 ½ in.      Width of Center Strip, Double Electric Track 16 ft.

Width of Roadway, 44 ft. 11 ½ in.      Date of Acceptance, Previously Accepted.

#### CONSTRUCTION DATA.

Kind of Base, Cement Conc.	Thickness, 6 in.	Proportions, 1:3:7
“ “ Cushion, None	“	
“ “ Filler, None	“	
“ “ Surface, Asphalt, Top	“ 1 ½ in.	
Binder	“ 2 in.	



Gearry Street between Stockton and Powell Streets.

Type of Pavement, Asphalt and Basalt Block.

Location of Improvement, Thirty-sixth Avenue—Geary Street to Clement Street.

Length of Block, 600 ft.

Width of Side Strip, 13 ft.

Width of Street, 70 ft.

Width of Center Strip, 14 ft.

Width of Roadway, 40 ft.

Date of Acceptance, March 6, 1914.

#### CONSTRUCTION DATA.

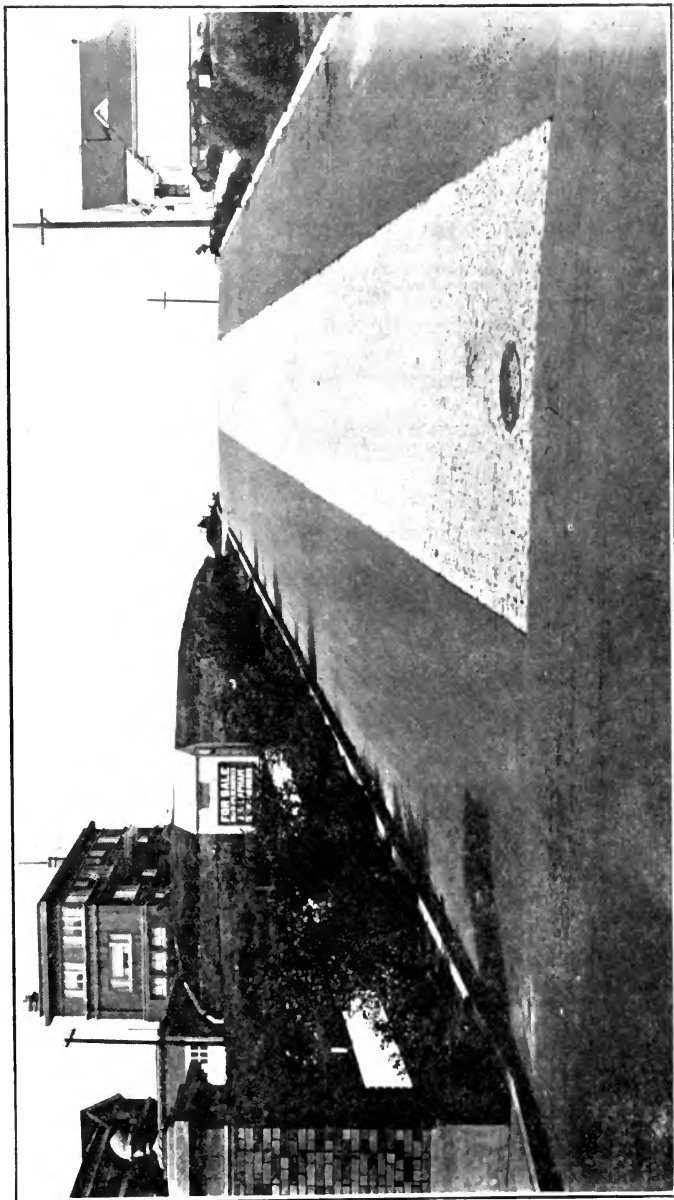
##### Central Strip—

Kind of Base, Natural Soil Rolled	Thickness,
“ “ Cushion, Sand	“ 5 in.
“ “ Filler, Gravel and Coal Tar Cement	“
“ “ Surface, Basalt	“ 7 in. to 7½ in.

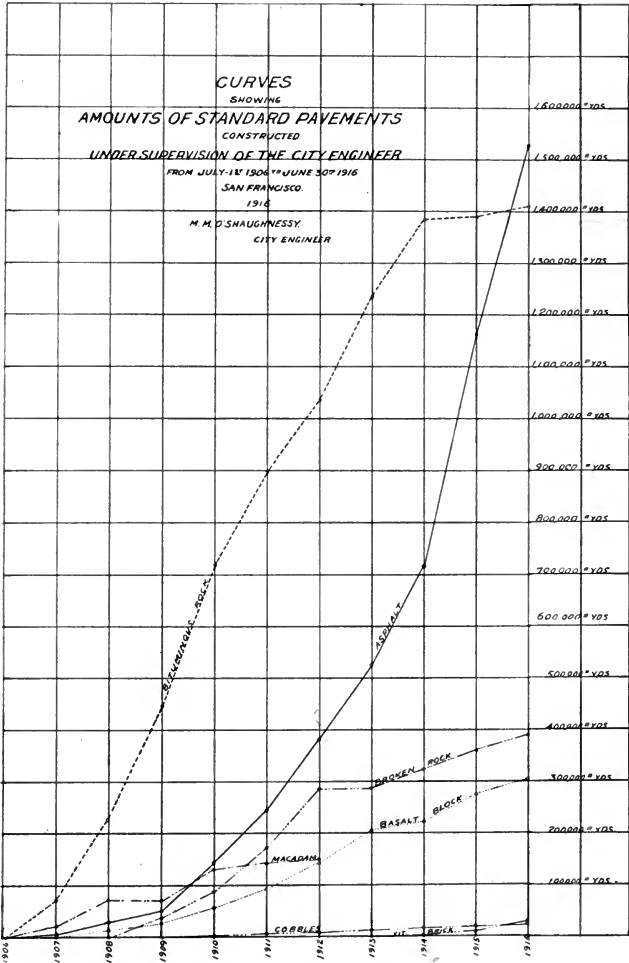
##### Side Strip—

Kind of Base, Cement Conc.	Thickness, 6 in.	Proportions, 1:2½:7
“ “ Surface, Asphalt	“ 2 in.	

Also Full Width for 400 ft.



Thirty-sixth Avenue—Geary Street to Clement Street.





## AMOUNT AND COST OF STREET WORK—PRIVATE.

FISCAL YEAR ENDING JUNE 30, 1916.

	Quantity	Cost
Asphalt (6" Concrete Base)—	Sq. Yds.	
W. S. 1½" Binder 2".....	332.55	\$ 1,196.89
W. S. 2" .....	140,627.42	306,108.06
W. S. 2½" .....	765.33	1,653.26
W. S. 1" Binder 1½" .....	1,416.66	3,187.50
Bituminous Rock (6" Concrete Base)—		
W. S. 2" .....	20,974.70	\$ 44,965.75
Basalt Block (on Sand)—		
Gravel and Asphalt Filler.....	1,106.34	\$ 3,186.27
Gravel Filler .....	1,144.11	3,693.77
Vitrified Brick—		
Kiln Marked or Hillside.....	3,402.61	10,338.16
Asphalt with Basalt Block Strip—		
Asphalt W. S. 2".....	21,459.55	45,407.72
B. B. with Gravel Filler.....	9,062.34	29,777.49
Bituminous Rock with Basalt Block Strip—		
Bitumen W. S. 2".....	544.44	1,225.00
Basalt Block Gravel Filler.....	272.22	1,102.50
Asphalt with Vitrified Brick Strip—		
Asphalt W. S. 2".....	16,564.40	34,853.39
Brick, Kiln Marked or Hillside.....	8,258.30	28,494.54
Bituminous Rock with Vitrified Rock Strip—		
Broken Rock .....	20,823.95	15,498.48
Cobbles .....	1,404.88	3,160.98
Broken Rock Walks.....	2,995.55	2,250.68
Curbs—		
Granite, New .....	24,157.35	30,284.11
Granite, Reset .....	314.39	62.49
Granite, Redressed and Reset.....	94.40	18.88
Concrete .....	75,427.40	59,821.20
Redwood .....	6,611.14	2,717.09
Gutters—		
Basalt Blocks .....	302.50	2,158.03
Concrete .....	116.95	526.30
Walks—		
Artificial Stone .....	8,420.67	10,080.04
Grading—	Cu. Yds.	
Cut .....	86,248.82	50,024.32
Fill .....	65,273.20	16,318.30

## AMOUNT AND COST OF STREET WORK—PRIVATE—Continued.

	Quantity Lineal Ft. and No.	Cost
I. S. P., 6" Diameter—		
Side Sewer .....	1,515.29	\$ 1,464.35
I. S. P., 8" Diameter—		
Pipe .....	12,501.07	26,555.82
Y Branches .....	720	817.45
I. S. P., 12" Diameter—		
Pipe .....	12,922.37	22,871.44
Y Branches .....	449	546.50
I. S. P., 15" Diameter—		
Pipe .....	3,490	7,586.26
Y Branches .....	143	218.50
I. S. P., 18" Diameter —		
Pipe .....	5,843.52	16,630.92
Y Branches .....	668	1,631.00
I. S. P., 21" Diameter—		
Pipe .....	240	720.00
Y Branches .....	8	32.00
Manholes—		
New .....	145	11,039.50
Catch Basins—		
New .....	168	10,526.00
Reset .....	12	500.12
Storm Water Inlet.....	2	60.00
I. S. P. 10" Diameter—		
Culvert .....	4,940.72	7,109.00

## AMOUNT AND COST OF STREET WORK—PUBLIC.

FISCAL YEAR ENDING JUNE 30, 1916.

	Quantity	Cost
Asphalt (6" Concrete Base)—	Sq. Yds.	
W. S. 2" .....	111,618.87	\$199,027.12
W. S. 1" Binder 1½" .....	4,079.24	5,874.11
Basalt Block (on Sand)—		
Gravel Filler .....	878.71	3,404.39
Basalt Block (6" Concrete Base)—		
Gravel and Asphalt Filler.....	1,033	3,718.40
Vitrified Brick—		
Kiln Marked or Hillside.....	273.84	649.56
Asphalt with Basalt Block Strip—		
Asphalt W. S. 2".....	14,186.16	27,417.13
B. B. with Gravel Filler.....	4,020.33	14,794.32
Asphalt with Vitrified Brick Strip—		
Asphalt W. S. 2".....	15,988.50	28,705.26
Brick, Kiln Marked or Hillside.....	5,732.00	20,012.43
Bituminous Rock with Vitrified Brick Strip—		
Broken Rock .....	8,348.90	7,193.83
Cobbles .....	637.26	1,433.84
Broken Rock Walks.....	1,135	871.80
Curbs—		
Granite, New .....	20,921.01	24,210.22
Granite, Reset .....	396.17	247.58
Granite, Redressed and Reset.....	112.33	2.25
Concrete .....	38,162.70	26,644.00
Redwood .....	977.50	264.50
Gutters—		
Basalt Blocks .....	362.53	1,607.72
Artificial Stone Walks.....	24,001.94	30,786.17
Grading—	Cu. Yds.	
Cut .....	131,835.92	76,707.56
Fill .....	43,849.47	16,258.76
I. S. P. 6" Diameter—	Lineal Ft. and No.	
Side Sewer .....	4,646	3,794.50
I. S. P. 8" Diameter		
Pipe .....	12,804	23,144.06
Y Branches .....	886	844.95
I. S. P. 12" Diameter—		
Pipe .....	6,700.89	14,363.16
Y Branches .....	322	332.75

## BOARD OF PUBLIC WORKS

## AMOUNT AND COST OF STREET WORK—PUBLIC—Continued.

	Quantity Lineal Ft. and No.	Cost
I. S. P. 15" Diameter—		
Pipe .....	2,705.96	\$ 4,454.35
Y Branches .....	101	143.31
I. S. P. 18" Diameter—		
Pipe .....	1,604.58	3,122.96
Y Branches .....	192	390.10
Manholes—		
New .....	134	14,726.00
Catch Basins—		
New .....	228	14,019.50
Reset .....	1	40.00
I. S. P. 10" Diameter—		
Culvert .....	7,269.88	7,189.79

## AMOUNT AND COST OF STREET WORK—CITY PAY.

FISCAL YEAR ENDING JUNE 30, 1916.

	Quantity Sq. Yds.	Cost
Asphalt (6" Concrete Base)—		
W. S. 2".....	17,578	25,043.81
W. S. 1" Binder 1½".....	32,569.14	45,462.83
Basalt Block (6" Concrete Base)—		
Gravel Filler .....	589.11	1,802.68
Vitrified Brick—		
Kiln Marked or Hillside.....	169.11	553.73
Asphalt with Vitrified Brick Strip—		
Asphalt W. S. 2".....	4,337.03	6,604.11
Brick, Kiln Marked or Hillside.....	992.14	3,035.09
Bituminous Rock with Vitrified Brick Strip—		
Cobbles .....	352.34	443.96
Curbs—		
Granite, New .....	7,084	5,883.43
Granite, Reset .....	696	93.50
Granite, Redressed and Reset.....	1,247	120.09
Concrete .....	4,480.18	1,681.59
Gutters—		
Basalt Blocks .....	42.80	188.76
Artificial Stone Walks .....	15,371.03	13,512.19
Grading—	Cu. Yds.	
Cut .....	15,053.39	17,534.81
I. S. P. 6" Diameter—	Lineal Ft. and No.	
Side Sewer .....	158	126.40
I. S. P. 8" Diameter—		
Pipe .....	50	75.00
I. S. P. 12" Diameter—		
Pipe .....	510	861.00
I. S. P. 18" Diameter—		
Pipe .....	271	496.00
Y Branches .....	3	3.00
Manholes—		
New .....	7	585.00
Catch Basins—		
New .....	16	649.20
I. S. P. 10" Diameter—		
Culvert .....	1,571	1,302.49

**TWIN PEAKS TUNNEL.**

The general engineering features of Twin Peaks Tunnel were described in the report of the City Engineer for the fiscal year 1913-1914. The project has been advanced efficiently and economically and all of the serious construction problems encountered so far have been solved satisfactorily.

The close of the fiscal year 1914-1915 found the contractor at Station 8+10, some two hundred feet underground at the west end; with 25% of Laguna Honda Station excavated; the vent shaft in the Relief Home Tract fairly well started and the subway section completed on the easterly end. Practically 4,300 feet of completed tunnel has been constructed during the 1915-1916 fiscal year.

An obstruction, presenting some difficulty and successfully handled, occurred about 1800 feet from the west portal. A brick lined water duct of the Spring Valley Water Company constructed in 1865 crossed at a sharp angle 8 feet above the tunnel arch. It was conveyed by means of a by-pass over the completed tunnel. A shaft was sunk, the water duct tapped by a 30" pipe, which ran west 275 ft. in a drift previously driven, crossed the tunnel at right angles and connected with the original duct again. Later the water was permitted to follow the original course. The entire section of tunnel between the west portal and the Laguna Honda Station has been completed.

Excavation for Laguna Honda Station and 22 ft. of tunnel section on each end was done in open cut, the maximum depth being 70 ft. Steam shovels carried the cut to within 15 ft. of rail grade, the sides of the pit being retained by piles. Trenches were then dug by hand for the side walls and footings of the station, after which the concreting was done and then the core of earth was removed. The waste material, a sandy clay, hauled an average distance of 1/3 mile in motor trucks, was used in filling low portions of the valley in which the station is built. Station is completed except the superstructure.

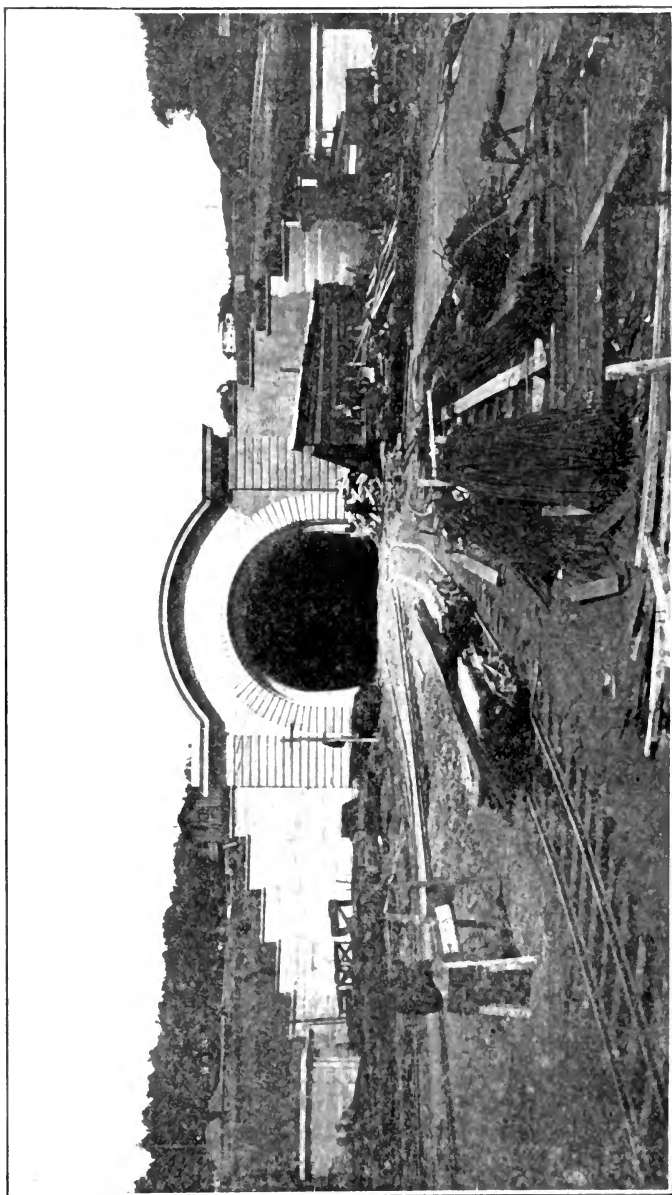
Because of an ascending grade, excavation between the vent shaft and the Laguna Honda Station was started from the former. The shaft when completed will have an inside diameter of 13 ft. but the excavation was made 20 x 32 ft. so as to take in full width of tunnel section and to permit of construction of forms for concreting. From the bottom of this shaft, 100 ft. deep through water bearing sand and timbered with piles held by 12 x 12 bracing and walings hung with steel hangers, a drift was carried 300 ft. westerly at invert grade through sandstone, when it broke through the sandstone into a waterbearing sand, causing 300,000 gallons per day to be lifted out at the shaft. Another drift was then started and kept in the sandstone until after the sand deposit was passed, when the second drift was brought up to line with the first one. Easterly from Laguna Honda tunneling has been projected over 414 ft. on the descending grade toward the vent shaft, the drift previously driven draining the ground penetrated. Concreting follows within free working distance of the finished timber lining.

Excavation for that section between the east portal and a point 500 ft. southwesterly therefrom, was done between two rows of piles and heavy timbering with the necessary cross braces. This ground was a filled in creek bed and the 30,000 cu. yds. of excavation was removed by pick and shovel. This portion of the tunnel has been constructed and the backfilling finished.

Adjacent to the section just described or at Station 97 + 15, the tunneling proper on the east end was started and was driven westerly to Station 87 + 63, leaving to be completed those portions between Station 46 + 57 and 87 + 63 and between Station 46 + 37 and 39 + 00 or 4,843 lineal feet, together with the superstructure of Laguna Honda Station.

In the light of the progress made during the past fiscal year when so many adverse conditions were encountered, and the fact that the greatest portion of the work remaining to be done is in rock, there is not any apparent reason to question the forecast that April, 1917, will see the east and west facings meet and the tunnel completed.

R. C. Storrie & Company, to whom this contract was awarded, for the estimated sum of \$3,372,000, have performed work the estimated value of which to date is \$2,168,539.38.

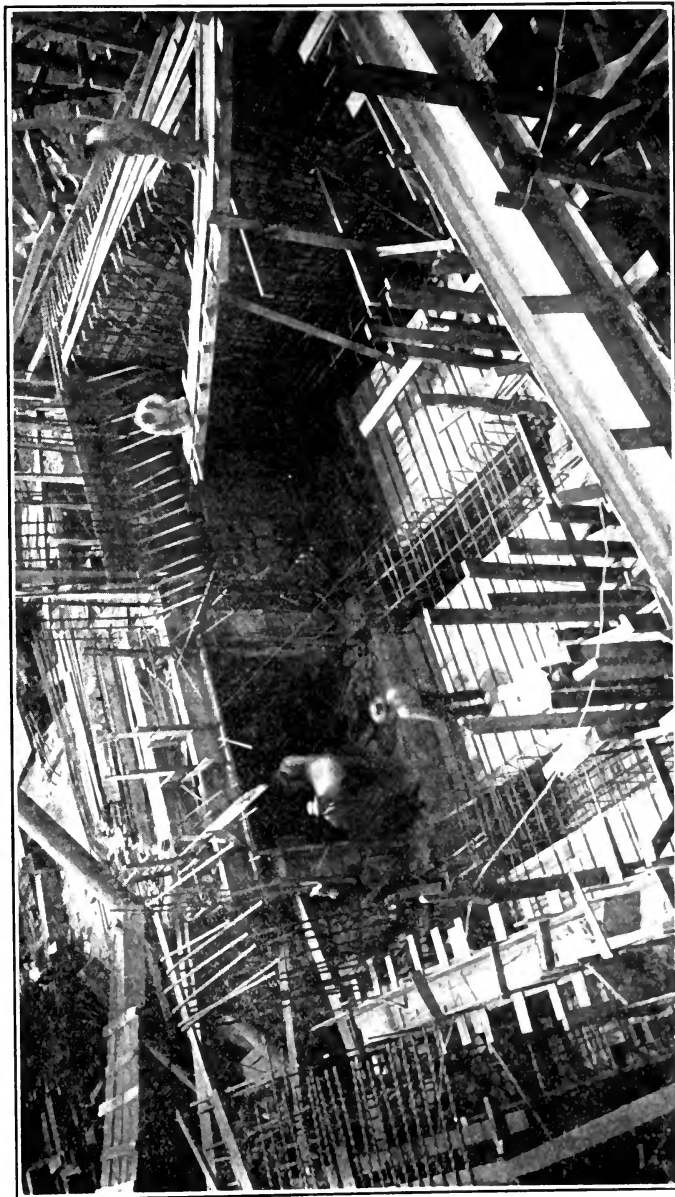


West Portal, Twin Peaks Tunnel.

TABLE 1—ALIGNMENT, GRADES AND SUBDIVISIONS

	Ascend	Descend	Grade	Tangent	Distance on Curve	Curve To Radius
West Approach Tunnel Section	0-00 to 0-83	.015		83.000		
	0-83 to 17-27.26	.015		1,644.260		
	17-27.26 to 30-31.44	.015			1304.183	Right 5,729.65
Laguna Honda Sta.	30-31.44 to 30-73	.015		41.557		
	30-73 to 33-73	.015		300.000		
	33-73 to 34-30.10	.03		57.103		
Ventilating Sta. Tunnel Section Taper Connection 29' 6" Tunnel Sect.	34-30.10 to 36-60.10	.03		1,052.894		Right 5,729.65
	36-60.10 to 47-13.00	.03		13.000		
	47-13 to 47-26.00	.03		5,138.000		
	47-26 to 98-64.00	.03		180.000		
	98-64 to 100-44.00	.03		30.000		
	100-44 to 100-74.00	.03		302.816		
Eureka Valley Sta. Subway Section	100-74 to 103-76.81	.0287			119.420	Right 1,555.49
	103-76.81 to 104-96.23	.0287			356.500	Right 1,017.95
	104-96.23 to 108-52.73	.0287			119.420	Right 1,555.49
	108-52.73 to 109-72.15	.0287		173.610		
	109-72.15 to 111-45.76	.0287		300.000		
	111-45.76 to 114-45.76	.0140		39.850		
East Approach	114-45.76 to 114-85.61	.0140			247.950	Left 861.37
	114-85.61 to 117-33.56	.0140		5.200		
	117-33.56 to 117-38.76	.0140		187.000		
		.0424				
				9,548.290	2377.476	





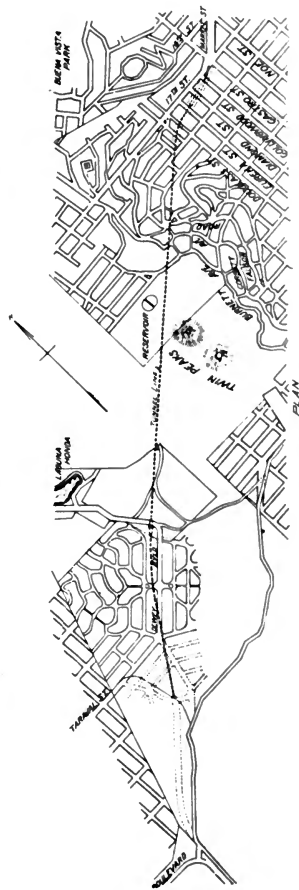
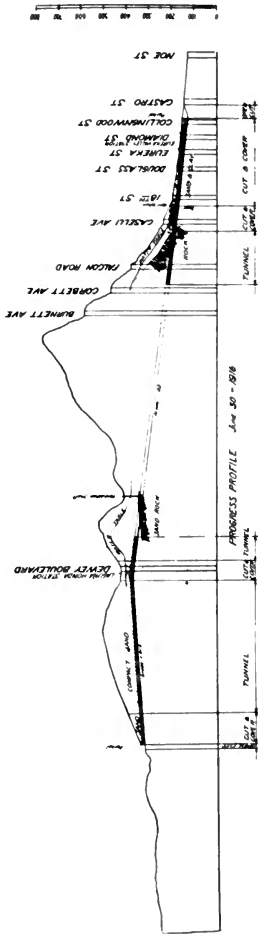
Constructing Laguna Honda Underground Station. The floor will be 62 feet below the ground surface.

Table II sets forth the progress made on these subdivisions during each of the two fiscal years just passed, and the work still to be performed. The profile pictures this progress:—

TABLE 11—ANNUAL PROGRESS.

Subdivision	Method	Station		Completed Prior to June 1915	Lineal Feet		To be Compl.	Grand Total
		From	To		Completed June 30, 1915, to June 30, 1916			
West Approach	Open Cut	0+00	0+83	83			83	
" Portal	"	100% completed						
Tunnel Section	Cut and cover	0+83	5+61	478			478	
" "	In tunnel	5+61	8+10	249			249	
" "	"	8+10	30+61		2251		2251	
" "	Cut and cover	30+83	30+61		22		22	
Laguna Honda	"	25%		*75			75	
" " Sta.	"	55%			*165		165	
" " "	"	20%						
Tunnel Section	Cut and cover	33+85	34+07					62
" "	In tunnel	34+07	39+00		22		22	
" "	"	39+00	46+37		493		493	
Vent Shaft	Cut and cover	10%		*2			2	
" "	"	90%						18
Tunnel Section	In tunnel	87+63	46+57					18
" "	"	97+15	87+63					4106
" "	Cut and cover	98+65	97+15		952		952	
Taper Connect.	"	100+45	98+65		150		150	
29' 6"	"	100+75	100+45		180		180	
18th Street Vent. Shaft	"	100% completed			30		30	
Subway Section	Cut and cover	111+46	100+75					1071
Eureka Valley Station	"	114+46	111+46	300			300	
Subway Section	"	117+38	114+46	292			292	
East Portal	Open cut	100% completed						292
East Approach	"	119+25	117+38	187			187	
Totals.....				2737	4283	4905	11,925	

\* Equivalent in feet.



GENERAL PLAN AND PROFILE  
 June 30 - 1918  
 L. S. B.

**BRIDGES.****THIRD STREET BRIDGE.**

The earthquake shock of 1906 disturbed the south abutment of the Third Street Bridge and since that time there has been a gradual movement of the south abutment with its superimposed south leaf, toward the north.

In April of 1915, a contract was let for altering this bridge and a pile bulkhead was driven in the south approach. Recently the bridge bound again in the middle at the junction of the two leaves and further alterations were made which will permit of cutting the juncture plates from time to time until 12 in. have been removed. In view of the fact that 17 in. is the total recorded distance the abutment has shifted since 1907, and the various alterations have replaced worn members, there is every reason to believe that, with the occasional cutting of the juncture plates, the bridge should stand considerable service.

**FOURTH STREET BRIDGE.**

The construction of a Strauss Bascule Bridge across Channel Street Waterway at Fourth Street, has been in progress since August, 1915. Six weeks' delay in starting was occasioned by repair work on the Third Street Bridge, which prevented closing of operation of the old drawbridge at Fourth Street.

The Thomson Bridge Company has the general contract to furnish all material and install the bridge and approaches. Sub-contracts for the fabrication of the structural steel and making and installation of the machinery have been let to the Ralston Iron Works and the Joshua Henry Machine Company, respectively, by the Thomson Bridge Company.

The first work started at the bridge site was the wrecking and removal of the old drawbridge superstructure and the precasting of the concrete piles for the deck approach foundations.

Pile foundations and concrete for the seawalls at the extreme shore ends of the approaches were then placed.

Progress of the construction depended on the placing of the cylinders that form the bridge seats which are on the north side of the channel. Before this work could be started the channel had to be cleared by removing the pile foundation of the old bridge, the piles of the protection work of the drawbridge, and innumerable old snags of piles of old construction that had broken off and rotted. A clamshell dredger was used to clear the channel up and down stream from the center cluster forming the old drawbridge foundation. In order to remove the piles of the cluster to a point below the official channel bottom level, blasting was resorted to and, to be effective, a steel cage guide was used to keep the powder near enough to the pile. This work occasioned considerable delay, as the caissons for the cylinders are placed by a floating driver which had to operate at the obstructed points.

Work of placing the caissons for the cylinders started in January. Two caissons forty feet in length were driven and excavated to a level close to the point proposed for starting the pile foundations. The foundation material of sand and clay was unable to resist the water pressure from outside of the caissons and they "blew in", filling with water. Both caissons were then lengthened, reset and driven, but the same trouble was experienced as before, with the addition that one caisson partially collapsed.

The other caisson was further lengthened and heavily reinforced and successively used in placing the ten cylinders on the north side. These cylinders have a ten foot diameter concrete base ten feet high, resting on twelve piles driven to a firm bearing, the cylinder then extending up to the bridge seat as a 4 foot

diameter reinforced concrete shaft. Four cylinders are tied together with a five foot reinforced concrete slab to form the seat of each trunnion bearing.

Unusual rainy weather during January and February was the cause of great delay in placing the cylinder.

At the present time the work completed for the north side has been the placing of foundations for trunnion towers, deck approaches and seawall; the placing of most of the forms and reinforcing steel for the deck approaches and the trunnion towers and portals for the superstructure.

For the south side the seawall and concrete pile foundations for the deck approach are in place and the pile foundation for one cylinder driven. Only three cylinders are required on the south side, as the bridge, a single leaf bascule, operates from the north side.

In the near future the concrete deck for the north side will be completed, the machinery will be installed and the structural steel superstructure started. Work on the south approach will be carried on simultaneously with that of the superstructure and both should be finished shortly.

### SEWER SYSTEM.

Work on the main sewers during the past year was confined to the completion of the Mile Rock Tunnel and the Bakers Beach Outlet Sewer and the construction of sewers in South Bay View Districts, Oakdale Avenue, San Bruno Avenue to Selby Street and Sloat Boulevard, 24th to 31st Avenue, \$100,000 for the construction of the last three having been provided for in the last budget.

In the Islais Creek District a drainage channel was dug along the proposed route of a large reinforced concrete sewer, to reduce to a minimum the danger of floods from the winter rains, similar to those which have occurred in the past, until such time as local developments in the vicinity demand the construction of the main sewer.

### MILE ROCK SEWER.

The last 30% of the Mile Rock Tunnel was completed, thereby providing an outlet for the storm waters of the western drainage area which includes the Ingle-side, Sunset and Richmond Districts. This construction was done by the cut and cover method, as follows:—

The closing section, known as Section 1, was constructed in open cut located with center line  $7\frac{1}{2}$  ft. west of center line of 48th Avenue and beginning at south property line of Cabrillo Street and extending north 536 ft. The flow in entire construction is from south to north on a uniform grade of .1605 to 100 ft. Inside dimensions of sewer section were 9' x 11'. Invert had a width of 11 ft. and difference from spring line of invert to flow line was 18 in. Side walls are 2 ft. high to spring line of arch and arch was constructed on uniform curve to radius of  $5\frac{1}{2}$  ft. Side walls were 15 in. thick and reduced gradually to  $9\frac{1}{2}$  in. at crown of arch. Invert had minimum thickness of 12 in. at flow line—subgrade being level transversely.

Section No. 1 was reinforced throughout with  $\frac{1}{2}$  inch steel bars spaced at 6 inch centers.

The concrete mix was proportioned 1:2 $\frac{1}{2}$ :5 $\frac{1}{2}$ . Niles River gravel was used entirely and sand removed from excavation fulfilled specifications.

The entire excavation of this section was in sand. Depth of excavation at north end of cut was 51 feet from crown of road and at the south end 34 ft. from crown of road. Natural water level at the time of construction was 10 ft. below road surface. Between surface and subgrade two sets of lagging were used, the upper set being 17 ft. in width, the lower set 14 ft. in width. All lagging was 3 in. x 8 in. pine, surfaced on two edges. For rangers 8 in. x 10 in. pine timber was used, and for spreaders 8 in. x 8 in. timber in first set and

8 x 10 used in second set. Spreaders were spaced at 10 foot centers and rangers on 4 foot centers. Considerable difficulty was encountered in preventing said underhead of water from boiling up in the bottom of excavation. This was overcome by driving second set of lagging about 4 ft. below subgrade and covering bottom of excavation to subgrade with gravel; plugging all joints in lagging with oakum in second set of lagging was necessary.

A 10 in. underdrain was used but proved to be too small to handle ground water which was carried to two sumps, one located at 48th Avenue and Balboa Street, the other at 48th Avenue and Cabrillo Street. At the 48th Avenue and Balboa Street sump one 3 in. and one 4 in. centrifugal pump were used; at 48th Avenue and Cabrillo Street sump one 6 in. and one 4 in. centrifugal pump were used. These pumped about 1,250,000 gallons of water per 24 hours, of which 407,000 gallons per day for 35 days were discharged into the completed sewer at Cabrillo Street and handled by City pumping station at 48th Avenue and Fulton Street.

All lagging, spreaders and bracers were removed by derrick and part of the excavation was handled by derrick. This derrick was of turntable type with 40 foot boom. This rig had an excavating capacity of approximately 200 yards per day near the surface but not better than 50 yards in deep cut.

The first 12 ft. of excavation was accomplished by a drag line excavator which removed a trench the entire width of the street and allowed lagging to be started 10 ft. below street grade.

The following tabulation shows the quantities for this section:—

Excavation by drag line .....	6,307 cu. yds.
Excavation by derrick .....	12,655 "
Concrete placed—invert .....	417.3 "
Concrete placed—sides and arch.....	660.0 "

Timber used to lag cut:

3 x 8 lagging .....	238.680 ft. B.M.
Rangers and spreaders.....	119.610 " "
Steel placed in section.....	31.1 tons

#### BAKERS BEACH SEWER.

June 30 of last year saw the contractor who had tried various methods of placing the 800 ft. of 18 in. cast iron flexible joint sewer pipe of the Bakers Beach Outfall Sewer, driving a pile trestle along the proposed line of the sewer, laying the pipe thereon, and lowering it as the laying progressed. This work has since been successfully completed at a total cost to the City of \$24,534.77.

#### PROPOSED SEWERS.

STANLEY STREET SEWER, to provide an outlet for the west side of the Ocean View District, will extend from the end of Stanley Street at the Spring Valley Water Company's property line northerly to join the existing sewer west of the Ingleside Terraces.

49TH AVENUE SEWER, from Lincoln way to Noriega Street, will drain into the 48th Avenue Sewer.

SEWER IN UNIVERSITY MOUND DISTRICT, will run in Somerset Street, Wayland to Felton Street and thence along Felton Street.

GLEN PARK SEWER, will connect at Burnside Street with the existing sewer and extend 500 ft. westerly therefrom.

## STATEMENT OF 1904 SEWER BOND FUND.

## EXPENDITURES.

Prior to July 1, 1915.....	\$1,852,404.96
From July 1, 1915, to July 1, 1916:	
Bakers Beach Outlet Sewer.....	\$18,740.54
Fulton St., 48th Ave to Great Highway.....	6,522.32
5th St., Howard to Brannan St. ....	67,872.95
Foerster St., Melrose to 33rd Ave. ....	2,469.32
48th Ave. and Fulton St., Sewage Pumping Station (Building) .....	2,010.31
48th Ave. and Fulton St., Sewage Pumping Station (Machinery) .....	531.03
Islais Creek, Mt. Vernon to Oneida (Sect. "N", North Point Main).....	30,180.64
	<hr/>
Total during last fiscal year.....	128,327.11
	<hr/>
Total to date.....	\$1,980,732.07
Amount available for new contracts.....	34,653.69
	<hr/>
Total receipts from sale of bonds and from miscellaneous sources .....	\$2,015,385.76

## STATEMENT OF 1908 SEWER BOND FUND.

Prior to July 1, 1915.....	\$4,226,681.62
From July 1, 1915, to July 1, 1916:	
48th Ave. and Fulton St. Sewage Pumping Station (Building) .....	\$ 879.45
48th Ave. and Fulton St. Sewage Pumping Station (Machinery) .....	1,258.00
Mile Rock Tunnel Sewer.....	110,069.09
	<hr/>
Total during last fiscal year.....	112,206.54
	<hr/>
Total to date.....	\$4,338,888.16
Amount available for new contracts.....	1,234.97
	<hr/>
Total receipts from sale of bonds and from miscellaneous sources .....	\$4,340,123.13

AUXILIARY WATER SUPPLY SYSTEM FOR FIRE PROTECTION  
1908 BOND.

Prior to July 1, 1915.....	\$5,737,014.92
Amount available for future contracts.....	15,959.47
	<hr/>
Total receipts from sale of bonds and miscellaneous sources.....	\$5,752,974.39

## CONTRACT

Exclusive of Hetch Hetchy Water

Fiscal

Contract	Contractor	Date Cont. was Awarded
<b>SEW</b>		
Mile Rock Tunnel	Edward Malley	2-11-14
48th Ave. Sewage Pumping Sta., Building	Davis, Rogers Co.	6-3-14
“ “ “ “ “ Machinery	“ “ “	6-3-14
Bakers Beach Outlet	R. C. Storrie & Co.	7-24-14
5th St., Howard to Brannan St.	Healy-Tibbitts Co.	6-7-15
Fulton St., 48th Ave. and Great Highway and 46th Ave.	F. Rolandi	9-16-14
Islais Creek, Mt. Vernon to Oneida Ave.	F. Rolandi	9-13-15
Oakdale Avenue	Karl Ehrhart	5-31-16
Sloat Boulevard, 24th to 31st Ave.	Tibbitts-Pacific Const. Co.	6-9-16
South Bay View District	“ “ “ “	12-20-15
El Portal Way	“ “ “ “	8-25-15
Civic Center Sewer	Church & Clark	9-4-14
<b>TUN</b>		
Stockton Street Tunnel	Jacobsen Bade Co.	4-11-13
Twin Peaks Tunnel	R. C. Storrie & Co.	11-2-14
<b>BRI</b>		
Third Street Bridge—Furnishing Material and making Alterations	O. Monson	4-9-15
Third Street Bridge—Pile Bulkhead	Healy-Tibbitts Const. Co.	7-12-15
“ “ “ Alteration of South Leaf	Thomson Bridge Co.	4-19-16
Fourth Street Bridge Construction	“ “ “	6-25-15
<b>BOULE</b>		
Twin Peaks Blvd., St. Germain Southerly	Eaton & Smith	6-25-15
San Bruno, Vista to Bay Shore	City Street Imp. Co.	6-11-15
“ “ Arleta to County Line	Fay Improvement Co.	6-25-15
Twin Peaks Blvd., Corbett Ave. to Sly boundary line of Twin Peaks Reservoir Site	F. R. Ritchie	9-20-15
El Camino Del Mar, through John Brickell Tract	John Brickell Co.	
“ “ “ “ Lincoln Park to John Brickell Tract	City Street Imp. Co.	
El Camino Del Mar, John Brickell Tract to 200' Ely	“ “ “ “	
Clarendon Ave. and Burnett Ave., Clayton St. to St. Germain Ave., Grading, Paving and Sewering	Flinn & Treacy	5-15-16
Corbett Ave., 24th St. to San Miguel Rancho	D. L. Bienfield	12-29-15
San Bruno Ave., Cortland to Steuben, Grading and Sewering	Federal Const. Co.	12-21-14
Oakdale Ave., between San Bruno and Railroad Aves., Grading	Church & Clark	4-30-15
Portola Drive, Stanford Heights to Junipero Serra Boulevard	R. G. Vaughn	2-26-15



## EXPENDITURES.

## Supply and Street Improvements.

Year 1915-16.

Date Cont. was Signed	Amount Expended		Total	Date Work was Accepted	Fund
	Prior to July 1, 1915	From July 1, 1915, to July 1, 1916			
<b>ERS.</b>					
2-28-14	\$ 108,548.38	\$ 110,069.09	\$ 218,617.47	6-9-16	1908 Sew.
6-30-14	(6,620.55	879.45	7,500.00)		1908 "
	(	2,010.31	2,010.31)	12-10-15	1904 "
6-17-14	(10,242.00	1,258.00	11,500.00)		1908 "
	(	531.03	531.03)	12-10-15	1904 "
8-13-14	7,041.33	18,740.54	25,781.87	11-12-15	1904 "
6-22-15	50.00	67,872.95	67,922.95	3-21-16	1904 "
9-29-14	16,661.85	6,522.32	23,184.17	7-14-15	1904 "
9-13-15		30,180.64	30,180.64	2-11-16	1904 "
6-13-16		2,415.09	2,415.09		General
6-20-16					"
1-3-16		28,144.43	28,144.43		"
9-2-15		9,701.10	9,701.10	11-24-15	Special
9-16-14	11,178.53	2,193.03	13,371.56	7-23-15	CH. and Civ. C. 1912
<b>NELS.</b>					
4-26-13	627,507.23	10,777.80	638,285.03	11-19-15	Spec. Assess.
11-2-14	1,145,471.76	1,131,132.56	2,276,604.32		"
<b>DGES.</b>					
4-28-15	4,982.30	7,357.49	12,339.79	9-22-15	General
7-28-15		1,932.00	1,932.00	8-27-15	"
4-29-16		2,487.00	2,487.00		"
7-8-15	5,779.30	45,499.45	51,278.75		"
<b>VARDS.</b>					
7-9-15		30,210.82	30,210.82	6-2-16	General
7-24-15		33,537.15	33,537.15		"
7-14-15		13,083.38	13,083.38	11-5-15	"
10-11-15		46,364.47	46,364.47		Good Roads
	13,673.50	29,326.50	43,000.00		Furn. by P. P. I. E.
		9,967.49	9,967.49		" " "
		2,589.04	2,589.04		" " "
6-7-16					G. R., P. Own's & A. W. S.
1-21-16		22,600.00	22,600.00		Good Roads
1-11-15	15,375.87	29,374.13	44,750.00	6-3-16	" "
5-8-15	12,097.50	12,595.31	24,692.81	3-24-16	General
3-18-15	30,195.98	18,384.15	48,530.13	7-9-15	"

## CONTRACT EXPENDI

Exclusive of Hetch Hetchy Water

Fiscal

Contract	Contractor	Date Cont. was Awarded
<b>MISCEL</b>		
Sect. "A", Ocean Beach Esplanade	J. A. Hannah	11-19-15
Hayes St., Steiner to Scott St.	F. Rolandi	8-4-15
Francisco St., Polk to Larkin St.	F. Rolandi	6-11-15
Municipal Water Works Extension	Tibbitts-Pacific Co.	3-24-16
Railroad Ave., Hollister to San Bruno	J. P. Holland	4-28-16
Cumberland St., Sanchez to Noe St.	F. R. Ritchie	6-21-16
Eighteenth and Indiana Sts. Crossing—Steel Stairway	Ralston Iron Works	5-15-16
15th St., Castro to Beaver St., Widening, Moving House at 176 Beaver St.	O. Monson	6-11-15
Islais Creek Channel Dredging Work	†J. P. Holland	2-7-16
	†Healy-Tibbitts Const. Co.	2-2-16
Potrero Ave., 25th to San Bruno Ave., Paving	Eaton & Smith	6-21-16
Relief Home Tract Boiler, No. 1	Scott Company	2-4-16
" " " " No. 4	F. P. Walsh	2-4-16
Central Fire Alarm Station No. 4	General Electric Co.	10-2-14
Paris St., Italy to Amazon, Grading	Eaton & Smith	11-15-15
<b>RAIL</b>		
Work Car Body, No. 29A	Pacific Car & Equip. Co.	7-30-15
*Work Car, Air Brake Equipment, No. 29C		
Work Car, Trucks, No. 29D	J. G. Brill Co.	7-30-15
Work Car, Motor Equipment, No. 29B	Westinghouse Co.	7-30-15
Track Special Work, Church St.	U. S. Steel Products Co.	7-26-15
Ties, Redwood, Church Street Railway	Navarro Lumber Co.	8-20-15
Sand Bins in Car Barns, Steel	Ocean Shore Iron Works	11-26-15
Machine Shop Equipment at Pipe Yard	(Various)	
Lockers, Car Barn, 17th St. and Geary St.	Ralston Iron Works	5-12-15
Division St., Bryant to 10th St., Rearrangement of Fire Department Stables	F. Rolandi	7-12-15
Church St. Rwy. Const., 16th-18th and 22nd-30th Car Bodies	Western Motor Draying Co.	1-19-16
Rails, Joints, Fastenings, Spikes, Sect. A and D	Jewett Car Company	1-2-14
Electrical Conductors, Church Street	U. S. Steel Products Co.	7-28-15
Copper Rail Bonds, Furnishing and Installing	E. Earle Browne	2-11-16
Concrete Trolley Poles for Church St. from 16th to 18th and 22nd to 30th Sts.	Bell & Jamison	3-20-14
Church St. Rwy. Const., 18th to 22nd St.	John Spargo	1-19-16
Auto Truck and Tower for Trolley Repairs	Contra Costa Const. Co.	12-10-15
Mariposa, York to Hampshire	Kelly-Springfield M. T. Co.	11-26-15
Tank and Tower, Geary Street Car Barn	City Street Imp. Co.	3-15-16
Tank and Tower Foundations, Geary St. Car Barn	Pacific Tank & Pipe Co.	4-2-13
2nd Story Geary Street Car Barn	Eaton & Smith	6-11-15
	Jas. L. McLaughlin	7-30-15

† Informally awarded.

\* Materials ordered on requisition.

TURES—Continued.

Supply and Street Improvements.

Year 1915-16.

Date Cont. was Signed	Amount Expended		Total	Date Work was Accepted	Fund
	Prior to July 1, 1915	From July 1, 1915, to July 1, 1916			
<b>LANEOUS.</b>					
12-6-15		25,348.45	25,348.45		General
8-31-15		24,120.00	24,120.00	6-4-16	"
		7,489.04	7,489.04		Spec. Ass.
4-7-16		1,831.13	1,831.13		General
5-24-16		1,027.55	1,027.55		"
7-7-16		497.50	497.50		"
6-14-16					"
6-25-15		1,760.00	1,760.00	9-30-15	"
		882.50	882.50		"
2-23-16		4,116.37	4,116.37		"
7-12-16					"
7-25-16					"
2-28-16		1,101.80	1,101.80		"
10-29-14		887.00	887.00	11-19-15	"
12-1-15		3,709.68	3,709.68	3-15-16	"
<b>ROADS.</b>					
8-14-15)				2-9-16	1913 Rwy. Bonds
)					
8-19-15)		6,706.64	6,706.64	12-1-15	" " "
8-25-15)				12-24-15	" " "
12-15-15		4,264.00	4,264.00	3-8-16	" " "
11-20-15		4,889.60	4,889.60	2-18-60	" " "
12-6-15		1,760.00	1,760.00	1-26-16	" " "
	6,194.52	1,325.39	7,519.91		" " "
5-27-15		2,820.00	2,820.00	8-16-15	" " "
		8,738.54	8,738.54	1-5-16	" " "
2-3-16		56,734.03	56,734.03	6-2-16	" " "
1-16-14	344,161.50	21,750.00	365,911.50	10-22-15	" " "
12-1-15		38,323.67	38,323.67	2-23-16	" " "
2-25-16		5,353.31	5,353.31		" " "
4-2-14	29,693.65	2,975.10	32,668.75		" " "
2-3-16		6,404.41	6,404.41		" " "
12-27-15		93,371.79	93,371.79		" " "
12-13-15		2,165.00	2,165.00	6-28-16	" " "
3-28-16		1,100.00	1,100.00	5-10-16	Mun. Rwy.
4-14-13		1,462.00	1,462.00	2-9-16	1910 Rwy. Bonds
7-6-15		595.00	595.00	9-3-15	" " "
8-14-15		26,247.00	26,247.00	5-26-16	" " "
<hr/>					
	\$2,395,495.75	\$2,087,493.22	\$4,482,968.97		

## HETCH HETCHY WATER SUPPLY.

## WATER RIGHTS AND PROTECTIVE WORK.

According to the provisions of San Francisco's Hetch Hetchy grant, the development of the City's Sierra water supply "shall be prosecuted diligently and no cessation of such construction shall continue for a period of three consecutive years, and in the event that the Secretary of the Interior shall find and determine that there has not been diligent prosecution of the work or of some integral and essential part thereof, or that there has been a cessation of such construction for a period of three consecutive years, then he may declare forfeited all rights of the grantee herein as to that part of the works not constructed, and request the Attorney General, on behalf of the United States, to commence suit in the United States District Court for the Northern District of California for the purpose of procuring a judgment declaring all such rights to that part of the works not constructed to be forfeited to the United States".

Pursuant to a policy of active development, construction was started simultaneously at several locations in 1915, the extent of activity at each point being determined by the funds available from a restricted sale of 4½% bonds due to market conditions, and by the relative value of each unit in furthering the City's plans.

At the Early Intake, twelve miles below Hetch Hetchy dam site, water released from that reservoir site, and flowing along the natural bed of the river channel, will be diverted into pressure tunnel 10½ ft. in diameter, which for some years to come will be the easterly terminal of the City's main aqueduct. This tunnel will pass beneath the mountain backbone on the south side of the Tuolumne River for a distance of 19 miles, to the Priest's Hill regulating reservoir near Moccasin Creek. The vicinity of the upstream intake portal has been excavated and the tunnel face started ready for power drills. The excavation of a bench in the slope above the river floods for the aqueduct leading from the early intake diversion damsite to the tunnel portal is also under construction, and in this portion of the aqueduct will be placed necessary sand screens and scouring chambers to automatically intercept any floating sand or debris, thereby preventing clogging of the aqueduct and dependent reservoirs.

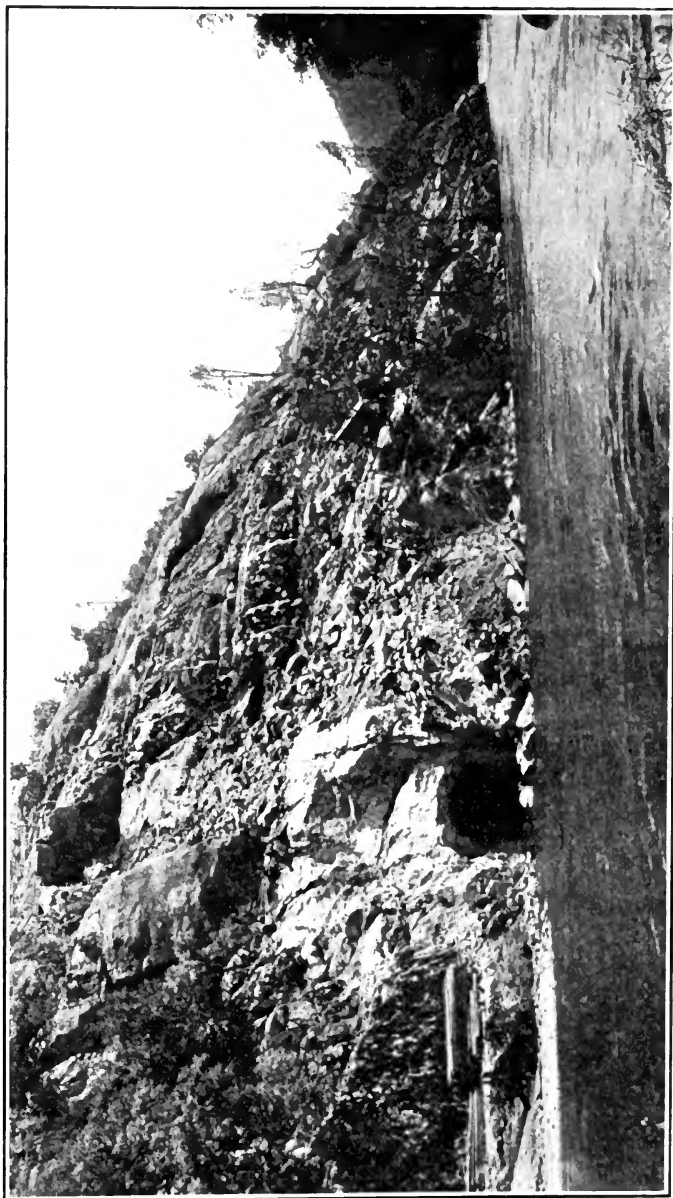
A suspension foot bridge was built across the river at Early Intake to allow the men working on the tunnel to cross over to the construction camp, which will be built on the northerly bank of the river where advantage can be taken of whatever sunshine is available in this deep canyon, for sanitary reasons.

Work on the Early Intake Road, begun in 1914, was continuously prosecuted with a small force until the very heavy snowfall necessitated its discontinuance in December, 1915. This road is now approximately 80% completed. The work has been resumed for this year. The Early Intake wagon road was completed down to the camp on the Tuolumne River. Some few slides were removed from the road.

Work has been continued on the bench for the aqueduct from Early Intake diversion dam to Early Intake tunnel portal. A large portion of this bench is completed and the tunnel portal is faced, ready for regular tunnel work.

The nine mile road from Hog Ranch to Hetch Hetchy damsite, constructed by the Utah Construction Company, under Contract No. 1, was surfaced in the spring of 1915, so as to put it in condition for the heavy wagon loads which were hauled for the installation of the sawmill, compressor, and other work.

Following the surveys of 1914, the application map for which was approved by the Secretary of the Interior on January 21, 1915, a road was constructed from Hetch Hetchy camp down into the floor of Hetch Hetchy Valley. This road has a length of .85 mile and was built on a 10% grade. It allows of access to Hetch Hetchy Valley by team or auto truck, which has been considered



Portal of Diversion Tunnel at Hetch Hetchy Dam site.

necessary as a construction adjunct to the main dam. The road was constructed entirely by day labor by City employes.

Trails were built from Hetch Hetchy camp down to and around the dam site and a road was built to allow of the hauling and installation of all plant, to be used in construction of not only the diversion tunnel, but also the diversion and main dams.

A trail was begun from the main road between Colfax Gate and the Toll Bridge, leading toward the proposed aqueduct crossing on South Fork. This trail has not yet been completed.

In conjunction with the Forest Service and other interested parties, a bridge was built over the Middle Fork on the road between Hog Ranch and Sequoia. Before this bridge was built, the road was impassable when the Middle Fork was at high stages, and it was then necessary to ford the river.

#### PERMANENT CAMP.

Following the topographic survey of the Hetch Hetchy camp, studies and designs were made in the office for the main camp for housing the men to be engaged on the construction of the Hetch Hetchy dam.

The construction of camp buildings at the Hetch Hetchy dam site was begun in September, 1915, the first building constructed being the dining room, 120 ft. by 40 ft. This was followed by building of bunk houses and cement warehouse. There have been built also several 3-room cottages, a hospital, wood house, oil house, meat house, and other buildings. A water system with wooden tanks and 2-inch water mains has been completed, and roads around the camp have been undertaken.

#### DIVERSION TUNNEL.

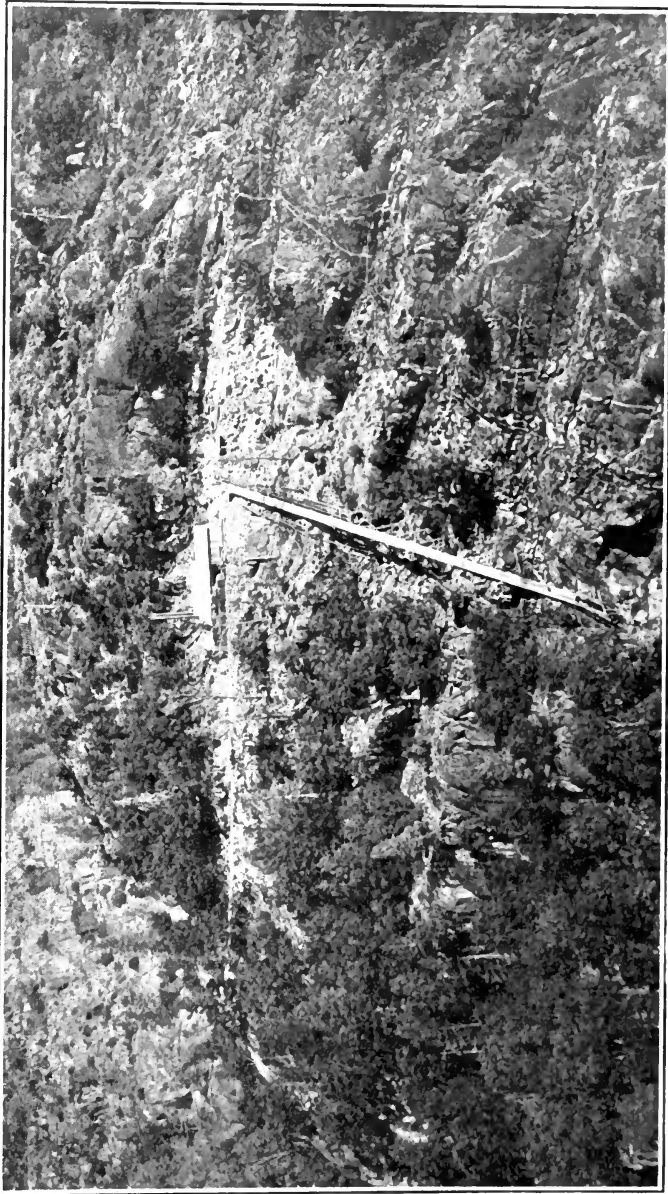
For the purpose of by-passing the stream flow of the Tuolumne River during the excavation of the foundations for the dam and the construction of the dam proper, a tunnel was drifted at the dam site. This tunnel was commenced late in September, 1915. Owing to the difficulty of securing prompt delivery of the compressor plant, due to tardiness in plan approval by Interior Department officials, the work was begun by hand drilling. When the tunnel heading was well started, two crews were put on, working night and day, and the heading was drifted through on the 30th day of December.

The main tunnel is to be 20 ft. in diameter. The completed heading is approximately the upper half of the whole tunnel. The excavation of the bench on the remaining half is now being carried on. The rock is a very hard grade of granite requiring no timbering and is a good indication of the nature of the excellent foundation of the main Hetch Hetchy dam. A portion of the spoil has been saved for use in the concrete construction of the diversion dam.

#### DIVERSION DAM.

Preparations have been made to construct the diversion dam to divert the river flow into the diversion tunnel, above mentioned, for unwatering the main dam site. A bench was made for hoisting engine, the engine installed, and derrick parts and cable hauled in and put in place preparatory to storing sand from the river bed. Lumber for flume and form construction has been delivered on the ground from Canyon Ranch sawmill.

The commencement of both the diversion tunnel and diversion dam was delayed from April till August—four months—due to lack of approval of plan program by the Assistant Secretary of the Interior. It is needless to state that delays of this nature prove a hardship and serious handicap to the City, where the fair weather season is so short, due to winter snows, etc. Work on the diversion dam is progressing favorably, and should be completed by next December.



South Abutment of Hetch Hetchy Dam, Showing Compressor Plant and Skidway.

## TELEPHONE LINE.

The City's telephone line from Groveland to Hog Ranch was extended as a single iron wire from Hog Ranch to Hetch Hetchy camp. Some repairs and improvements in the old line were also made. The line is now in operation from Groveland to Hetch Hetchy dam site. A branch line has been built to Early Intake and is now in operation.

## CANYON RANCH SAWMILL.

A site for the sawmill at Canyon Ranch in the City's property owned in fee was selected in the spring, and in April, 1915, grading was begun thereon. This was followed by felling and hewing of timbers sufficient to construct the first part of the frame for the mill. The final timber work was made with timber sawed at the mill.

Sawmill machinery, purchased under Contract No. 2, was delivered at Chinese and hauled to Canyon Ranch during June. The machinery was completely installed early in July and sawing was begun on July 21, 1915.

Great care was observed to preserve the natural forest appearance of Canyon ranch, and not mar the scenic features of the National Park by the City's activities. One of the means used was to leave untouched a screen of trees immediately next to the railroad.

Sawing was continued until November, when, on account of the snowfall, the mill was shut down. About 1,200,000 feet B.M. were manufactured during the season, a portion of this being surfaced. A large portion of this lumber was hauled to Hetch Hetchy dam site for use in permanent camps, a portion was used at the sawmill in construction of frame for the mill, office, bunk houses, etc., and the remainder was piled for seasoning. The area on which the timber was cut at Canyon Ranch has been cleared, the slash and brush burnt in a satisfactory manner. During December the mill was housed in, engines, etc., covered, and everything put in good style to withstand the winter storms.

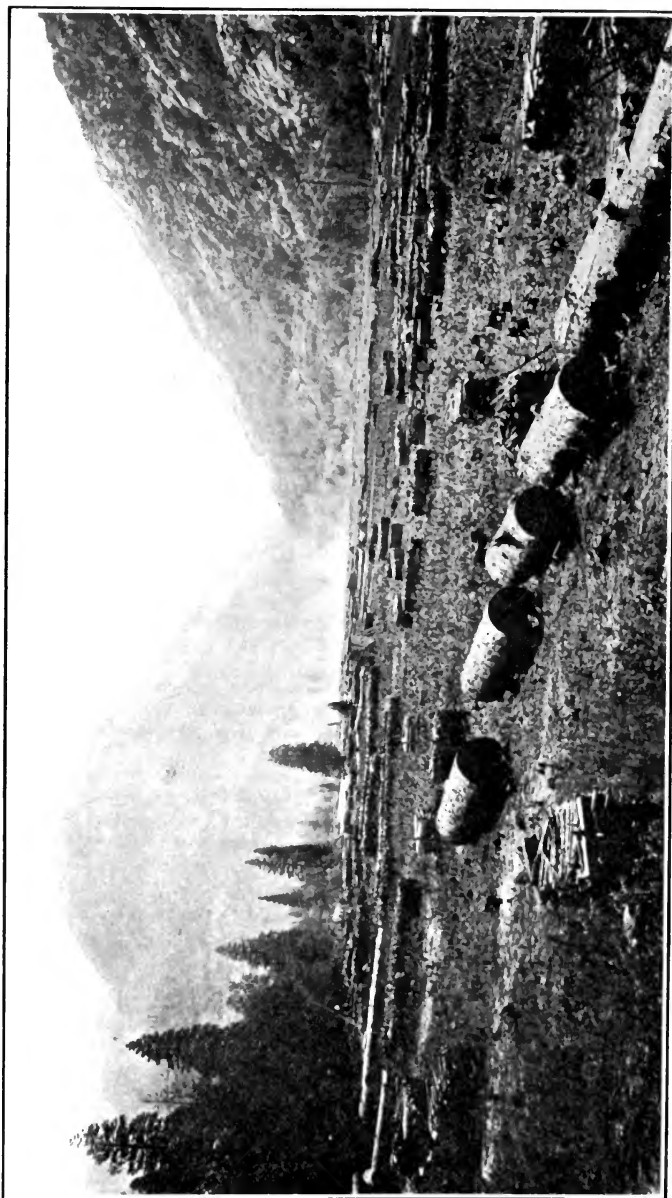
There is now remaining on Canyon Ranch about 800,000 ft. B.M. of timber, which can be cut by the mill. In the floor of Hetch Hetchy Valley there are about 2,000,000 ft. B.M. of logs suitable for saw timber.

Work at the sawmill was resumed in April, 1916, and is progressing satisfactorily. An average day's run yields about 15,000 board feet sawed and surfaced.

## DEFENSE AGAINST OPPOSITION WATER AND POWER CONCERNS.

The Yosemite Power Company has pending before the Department of the Interior applications for rights on the Tuolumne River in the National Park and Forest Reserve, which conflict seriously with the development works as proposed by the City. A determined stand was made by this office against the United States Government approving the validity of these claims, hydrographic and other data was prepared and submitted to United States Government officials and studies made by the company's proposed hydro-electric power development. The City Engineer with the City Attorney and the Clerk of the Board of Supervisors left for Washington, D. C., on January 18, 1916, to oppose the claims of this company, which is controlled by the Hammond interests. The hearing of both sides was held before the Secretary of the Interior on January 26, 27 and 28, and the objections presented by City officials taken under advisement by him. Little doubt is felt of a verdict favorable to the City, for in a similar proceeding in 1912, Ex-Secretary of Agriculture Wilson ejected the National Park Electric Company, another wildcat concern, from the National Forest, at the request of the City, under conditions which were practically identical with those obtaining in the present case.





Clearing Bottom of Hetch Hetchy Reservoir.

## LOWER CHERRY POWER DEVELOPMENT.

In order to supply power for construction purposes at Hetch Hetchy dam site and along the tunnel aqueduct line, work is in active progress on a temporary power plant to be located near Early Intake. An aqueduct line 17,000 ft. in length, including 4,400 ft. of tunnel, 5,200 ft. of flume and 7,400 feet of open ditch will be constructed during the present year, bringing water from Cherry Creek to the forebay 300 ft. above the power house at Early Intake.

During the latter part of April, surveys were commenced for the diversion dam, which will direct the waters of Lower Cherry Creek into this aqueduct, and also for the aqueduct line and power house location. The line of this aqueduct has been cleared, a trail built the whole length of its development and camp buildings erected for the use of men engaged on the construction work.

There will be five tunnels on the aqueduct line, 7 ft. 6 in. wide and 7 ft. 6 in. high, with arched roof. These will be awarded by contract, which will call for completion within a period of 150 days. The open ditch work and flumes will be built by day labor.

The Early Intake wagon road is being extended from its present terminus, near the permanent aqueduct bench, across the river by a bridge and thence up a 10% grade to the Cherry Aqueduct line. At the present time the bridge is being constructed.

In addition to the road work necessary for the Cherry power development, considerable repair work has been necessary on the roads from Groveland to the Early Intake on which a surfacing crew has been almost continuously engaged.

For the equipment of the Lower Cherry power plant, contracts will be awarded immediately in order that deliveries may be secured in ample time to install the generating machinery early next spring.

A temporary storage dam will be constructed near the outlet of Lake Eleanor, in order to raise the level of the lake and make available, for power purposes, an additional water supply.

It will be necessary to have a continuous flow of 120 second feet in the Lower Cherry power canal for a continuous generation of 2400 K.W. The ordinary flow of the stream for the four driest months of the year does not supply this amount.

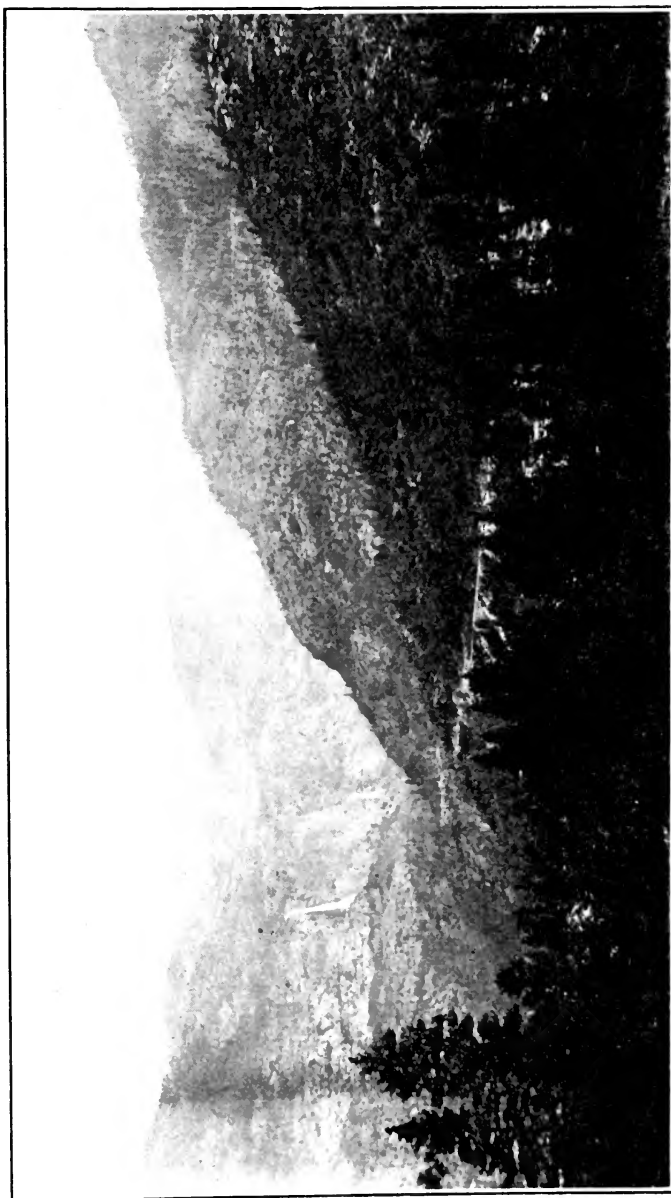
Whether the temporary dam at Lake Eleanor will be an earth fill or a timber crib structure, has not been decided, but which ever type is adopted as most suitable and economical will be finished before the spring of 1917, in order to make available next year the rainfall and waters from the melting snows of the coming winter.

## CONTRACTS.

The following contracts were operative during the past year:

Contract No. 1. For constructing road from Hog Ranch to Hetch Hetchy Dam. This work was begun in August, 1914, and completed in February, 1915, by the Utah Construction Company, at a total contract price of approximately \$180,000. 9.09 miles of 22-foot roadbed was graded. The maximum grade is 4% and the minimum radius of curvature 191 ft. The greater part of the material handled in grading was solid granite. The roadbed was later surfaced, as elsewhere noted in this report, and is now being utilized for the transportation of machinery, materials and men to and from Hetch Hetchy Valley. It will form a part of the roadbed for the railroad now being constructed under Contract No. 7. Previous to the construction of this road, the Hetch Hetchy Valley was accessible only by trail.

Contract No. 2. For furnishing Sawmill Machinery. Bids were received on April 14, 1915, and the contract was awarded on April 19, to the Eby Machinery



Recently Constructed Railroad Grade into Hetch Hetchy Valley.

Company, for the sum of \$4,975. Final payment was recommended on August 31, after a successful trial run of the machinery.

Contract No. 3. For Furnishing Logging Engine. Bids were received on April 14, 1915, and the contract was awarded on April 28, to the Western Equipment Company for \$2,950. Final payment was recommended on August 19, after a successful trial run of the logging engine.

Contract No. 4. For Clearing Portion of Hetch Hetchy Reservoir Site. Bids were received on September 15, 1915, but were rejected (September 20) on account of irregularity in the lowest bid. The contract was re-advertised, bids being received on September 29, and award was made to A. J. Reeder on October 1, for the estimated sum of \$31,675, with a possible bonus of \$1,500. A large amount of cord wood and of saw logs cleared from the reservoir and usable as fuel and construction timber, has been saved for the City's use. Already the amount of cord wood provided for in the contract has been cut.

Contract No. 5. For Furnishing Air Compressing Plant and Drills. Proposals were received on September 8, 1915, and the contract awarded on September 15, as follows:

Proposition No. 1.—Boilers, to the Chicago Pneumatic Tool Company, for \$2,877.

Proposition No. 2.—Air Compressor, to Ingersoll-Rand Company of California, for \$3,019.

Proposition Nos. 3, 4 and 5—For Drills, Receivers, Sharpener and Accessories, to Rix Compressed Air Drill Company, for \$4,431.50.

This machinery was delivered to Hetch Hetchy dam site in November. It has all been assembled and is ready for regular operation.

Contract No. 6. For Furnishing Hoisting Engine and Boiler. Proposals were received on October 8, 1915, and contract awarded on October 11, to A. L. Young Machinery Company for \$1,357. The engine was delivered at Hetch Hetchy dam site in November and installed, as noted under "Diversion Dam".

Contract No. 7. For the Construction of the Hetch Hetchy Railroad. Specifications were prepared for this work and proposals received on October 28, 1915. The proposals were six in number, the lowest being that of F. Rolandi of this City, for the estimated sum of \$1,543,080.74. This bid was accepted by the Board of Public Works on December 6, 1915.

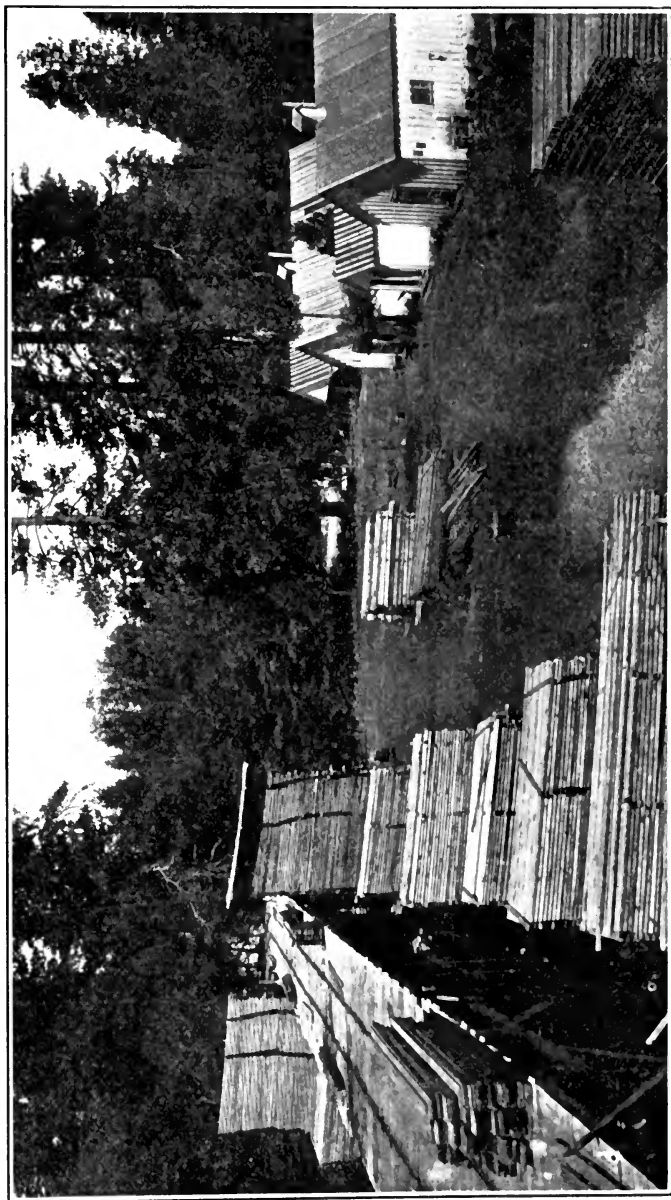
This contract will include grading 58 miles of line, from Hog Ranch to Rosasco, furnishing all materials and constructing a railroad over the total 67.63 miles, with necessary sidings and other accessories, from Rosasco to Hetch Hetchy dam site.

Work has been continued with a maximum force of 500 men. At the present time there are slightly over 400 employed by the Contractor.

The estimated value of the work completed June 30, was \$318,346. The Contractor now has one steam shovel on the ground and expects to operate two more.

The grading is approximately 40% done; construction of concrete piers for the Tuolumne River Steel Bridge has been begun and a large amount of construction material, such as rails, ties, switches, and lumber for trestles, has been delivered at Rosasco.

Contract No. 8. For Furnishing Cement. Bids were received October 23, 1915, and contract awarded on October 26, to the Santa Cruz Portland Cement Company, for furnishing at Chinese Station 3,975 barrels of cement. The contract price was \$10,613.25. Delivery was begun immediately upon award of contract, but the early rainfall and snow interfered with the hauling to such an extent that the completion of delivery had to be deferred until the end of winter. At the present time there have been delivered at Chinese Station 3400 barrels and the contract is practically complete. This cement is to be used in the construction of the diversion dam, the preliminary work for which has already been done.



Timber Cut at City's Sawmill, Five Miles from Hetch Hetchy Dam site.

Contract No. 9. For Hauling Cement from Chinese, a Station on the Sierra Railway of California, Tuolumne County, to Hetch Hetchy Dam Site. Bids were received on November 5, 1915, and contract awarded on November 6, to Charles B. Dunham at \$23 per ton. Hauling was begun immediately upon award of contract and carried on intermittently, as rapidly as the weather and conditions of roads would permit. The contract has been practically completed.

Contract No. 10. For Drifting Tunnels, Lower Cherry Aqueduct. Specifications have been prepared and contract will be awarded in the near future.

Contract No. 11. For Making Core Borings, Hetch Hetchy Aqueduct. Specifications for this contract were transmitted to the Board of Public Works on June 30, and proposals received on August 9, 1916.

The work will consist of securing for examination about 8,000 ft. of 15/16 in. core from holes to be bored along the line of the Hetch Hetchy Aqueduct, between Early Intake and Priest Regulating Reservoir. The data thus secured will be indispensable for obtaining a knowledge of the material that will be traversed by the aqueduct tunnels.

Contracts No. 12 and 13. Specifications for these contracts for hydraulic and electrical machinery at Cherry Power Plant have been prepared, and provide for the delivery of hydro-electric machinery early in 1917, in order that the program of the City Engineer for the construction of the Hetch Hetchy System may be carried out as outlined in this report of March 25, 1916, to his Honor the Mayor, the Board of Public Works and the Board of Supervisors.

#### STREAM MEASUREMENTS.

Hydrographic and meteorologic observations have been continued, as previously noted. The City Engineer is endeavoring to reduce the number of employes of the U. S. Geological Survey paid for by the City to perform this work.

#### SURVEYS.

During the construction of the Hetch Hetchy Railroad it has been necessary to maintain five parties of surveyors for the purpose of general staking and supervision of grading work, installation of culverts, cross section work and estimates for payments to Contractor. Several slight revisions of the alignment have been made, which will reduce the total construction cost and result in better alignment.

Upon the completion of the location survey of the Hetch Hetchy tunnel aqueduct from that point to the westerly boundary of the Stanislaus National Forest. The relocation of this line was determined after extensive cost analyses, as well as geological studies.

The new aqueduct line crosses the South Fork of Tuolumne River at a point near the confluence of the Middle Fork, the crossing being a very low bridge. With the old aqueduct location, an expensive inverted siphon would be necessary, in which water would be under very high pressure. This undesirable feature is eliminated in the revised location, which places this 19 mile section of the aqueduct on a uniform gradient.

A preliminary line has been run from Priest Reservoir to the Moccasin Creek Power house site, and thence a location survey has been run to Red Mountain Bar. At this point the aqueduct will cross the Tuolumne River on a structure, the nature of which has not yet been definitely determined. For purposes of study, a detail topographic survey was made of the site of the proposed crossing. The survey has been continued from here to the westerly boundary of Tuolumne County, which will be approximately the end of the tunnel aqueduct and the head of San Joaquin Valley pipe line.

The location of the Hetch Hetchy Aqueduct from Oakdale westerly across the San Joaquin Valley has been partially completed. At the end of June this work had been carried about 36 miles, or close to the right bank of the San Joaquin River. This survey will be completed to Irvington Gate House before the winter, and maps thereof filed with the Secretary of the Interior, in accordance with the provisions of the Raker Bill.

Preliminary to the clearing of the floor of Hetch Hetchy Valley, to the elevation which was to be flooded by the construction of the diversion dam, an average depth of about 30 ft., a survey was made of the 3,560 foot contour, which was flagged out on the ground for the guidance of the men engaged in clearing the reservoir site.

The Hetch Hetchy dam site was accurately resurveyed and topographic map made thereof. This map was the basis of final studies of type of dam to be constructed, and also of location of this and various appurtenant structures.

For the purpose of making descriptions of the rights of way, along the Hetch Hetchy Railroad, resurveys were made of the townsites of Big Oak Flat and Groveland. The original surveys of these townsites were very roughly done in the mining days of 60 years ago, and without the resurveys it was impossible to determine with any accuracy the location of the property lines. This work has now been completed and the rights of way are being definitely established as a result of it.

The Indian lands in the Big Creek Valley, near Groveland, were surveyed, as well as a number of mining claims along Moccasin Creek, as the railroad traverses these lands and the descriptions were needed for right of way purposes.

#### GEOLOGY.

In connection with the location of the Hetch Hetchy aqueduct tunnels through the Coast Range Mountains, from Tesla to Irvington, it has been necessary to make a thorough geological survey of this district. The field work in connection with this survey was practically complete by the end of June.

The determination of the best location for the Tuolumne portal included a study of the location of the San Joaquin River crossing of the Hetch Hetchy aqueduct pipe line, and the question was considered as to whether it would be advisable to change the river crossing from the location tentatively recommended previously, but a careful analysis resulted in retaining the location as originally suggested.

#### ALAMEDA CREEK HYDROGRAPHY.

The work of gauging the water sources of the Spring Valley Water Company, in Alameda County, begun in 1914, has been continued during the past fiscal year. The accumulation of accurate data and determination of the reliable yield of these sources is of great importance to the City in connection with not only any future purchase of the Spring Valley Water Company, but for any controversy in which the Company and the City may be involved.

#### APPLICATIONS TO DEPARTMENT OF INTERIOR.

Amended application for Lake Eleanor Reservoir and application for Cherry-Hetch Hetchy Tunnel Aqueduct in Stanislaus National Forest were filed March 9, and approved, respectively, December 27 and December 24.

Applications for the following rights of way were also made:—

Hetch Hetchy Railroad, from Hog Ranch to west boundary of Forest, filed May 28, approved October 12;

Hetch Hetchy Railroad, from west boundary of Forest to Priest Reservoir, filed June 11, approved October 15;

Hetch Hetchy Railroad, from Priest Reservoir to Red Mountain Bar, filed August 18, approved October 12;

Hetch Hetchy Railroad, from Red Mountain Bar to Rosasco, filed November 1, approval still pending.

Application map for Lower Cherry Aqueduct, Dam Site and Power House Site, filed in April was approved on June 22.

Map of Priest Regulating Reservoir, Dam Site and portion of watershed, necessary for protection of reservoir against pollution, filed in April was approved June 22.

Map of amended location of Hetch Hetchy Tunnel Aqueduct, from Early Intake to the west boundary of Stanislaus National Forest, was prepared and on June 30 was ready for filing. This last application is of the new aqueduct line, as noted on pages 28 and 30 of the report of March, 1916.

Application map of Hetch Hetchy Railroad, from Red Mountain Bar to Rosasco, filed November 1, 1915, was approved December 27, 1915.

#### CITY DISTRIBUTING SYSTEM.

Pending the settlement of the suit instituted by the Spring Valley Water Company for the adjustment of water rates in San Francisco, realizing that the outlying districts were in urgent need of immediately supply, on the recommendation of this office, the Board of Public Works was authorized by Resolution No. 10,869 of the Board of Supervisors, to sink test holes on property belonging to the City and County in Richmond and Sunset Districts, to determine the feasibility of obtaining a supply from wells in this locality.

Ten test holes were bored and proved the water-bearing possibilities of this district. Contracts were therefore entered into for five wells, the total cost of drilling which amounted to \$13,895.94. The cost of the ten test holes amounted to \$4,250.25. It is estimated that from the wells already drilled a permanent supply of 1,000,000 gallons a day can be secured. Therefore, if it ever becomes necessary to supply portions of the Richmond or Sunset Districts from this source, the necessary pumping station can be installed and distributing reservoir constructed.

Subsequent to the drilling of the wells, however, on July 3, 1915, the following Resolution was passed by the Board of Supervisors (No. 11,886, New Series):

"Whereas the Spring Valley Water Company has submitted in writing an offer to make certain needed extensions to its water mains in the City and County of San Francisco; and

"Whereas, One of the conditions of said offer is that the cost of installing said mains shall be added to price which may be fixed upon the properties of said Company now under condemnation in suit No. 53708 in the Superior Court of this City and County; now, therefore, be it

"Resolved, That the City Attorney is hereby authorized and directed to enter into a stipulation in said case with the Spring Valley Water Company to the effect that the cost of such extensions when completed may be added to the value of the properties found by the Court as of the day on which the summons was issued".

Pursuant to this agreement, the Spring Valley Water Company has installed since July 3, 1915, the following pipes in the various districts:—



## RICHMOND DISTRICT.

16''	main	in 23rd Ave., from Fulton to Geary Sts.
12''	"	" Anza St., 23rd to 29th Aves.
12''	"	" 29th Ave., from Anza to Balboa Sts.
12''	"	" Balboa St., from 29th to 31st Aves.
8''	"	" Balboa St., from 31st to 42nd Aves.
8''	"	" 42nd Ave. from Balboa to Geary Sts.
8''	"	" Fulton St., from 10th to 23rd Aves.
8''	"	" 28th Ave., from Anza to Geary Sts.
8''	"	" 21st Ave., from Anza to Geary Sts.
6''	"	" 18th Ave., from Fulton to Cabrillo Sts.

## GARBAGE DISPOSAL.

A number of propositions for the disposal and destruction of refuse and garbage have been submitted to the City authorities during the past year and have been referred to the City Engineer for consideration and report. The several propositions are herein briefly summarized and commented on with a view of showing the apparent merits or objections that may be advanced regarding the operation and the results that may be had therefrom, of the different projects submitted.

Collins & Pellett, under date of December 17, 1914, proposed to install four garbage crematory incinerators to have a total guaranteed capacity of 512 tons a day, for a price of \$340,000, the sites for the incinerators to be furnished by the City. Collins & Pellett will guarantee these plants to be odorless and practically smokeless.

They also make an alternate offer for the City to give them a contract franchise for 15 years and grant them full control of garbage collection and at the end of the 15 years' period they agree to turn over the plant to the City without cost. In this proposition also the City shall furnish the sites for incinerators. The plants will be housed in fireproof buildings which shall be supplied by the Contractors.

By "control of collection" above mentioned, Mr. Collins states that they mean they shall take over and operate the entire collection of waste, garbage, ashes, swill, etc., now collected by the scavengers and the two or more reduction companies that are operating in the City. This will make it necessary for the Supervisors to pass such ordinances as may be required to give complete control of the whole collection situation to Collins & Pellett. They do not go quite so far as to suggest the entire confiscation of the scavenger business, but say they will make adequate and satisfactory arrangements with the scavengers, even to the extent of buying out their horses and wagons and then engaging the drivers and collectors by the day. They would also undertake to control the collection of swill and other waste now handled by the Reduction Companies in South San Francisco, and the reduction companies would then be compelled to arrange with Collins & Pellett for the products these companies now collect for themselves.

Collins & Pellett also, under date of July 22, 1915, made three propositions to the City as follows:—

Proposition No. 1: To construct an incinerating plant of the type of Nye's Improved or Lea's Garbage Crematory Incinerators, on site to be furnished by the City, with a capacity of 512 tons per 24 hours, at a cost of \$340,000. This plant is guaranteed to be without any offensive odors or gases and practically smokeless in operation.

Proposition No. 2: To construct on site furnished by the City a Nye's Improved or Lea's Garbage Crematory Incinerator to dispose of the entire output

of the City's garbage and waste, for a period of 15 years, and at the expiration of that period to turn over the entire system to the City free and clear of incumbrance and in good running order, without further cost to the City; provided Collins & Pellett are given "control of the entire system of collection and disposal of garbage for said period of 15 years".

Proposition No. 3: To erect on sites furnished by the City, Nye's Improved or Lea's Garbage Crematory Incinerator and to operate these incinerators free of cost to the City and to pay to the City \$90 per day for every working day of the year; provided Collins & Pellett are given "full control of collection and disposal of the entire output of the City's garbage and waste", and at the expiration of 25 years to deliver the plants to the City at appraised valuations, Or, should the City extend the franchise to a period of 35 years, Collins & Pellett will undertake to deliver all the incinerating plants clear of incumbrance and without cost to the city.

Attention has already been called to the proposed "control of collection" that Collins & Pellett are asking for and this is a provision that would be very difficult to carry out with satisfaction to most of the people concerned excepting perhaps Messrs. Collins & Pellett. Attention is also called to their guarantee that there shall be no "offensive odors or gases" and that the plant shall be "practically smokeless in operation".

There is an incinerating plant of the Nye's and Lea's improved type now in operation in the Presidio Military Reservation in San Francisco, for the destruction of refuse and garbage from the hospital and waste from officers' quarters in the Presidio. This incinerator is a destructor of the flat hearth type enclosed in a corrugated iron building and is said to have cost about \$4,000 when built. It consists of a burning hearth upon which the refuse to be burned is delivered through a chute at the rear and distributed by poker in the hands of attendant. The destructive fire is supplied by an oil burner, which fire is projected into the furnace and deflected across the hearth by an angle wall at the rear end. The refuse, before being fed into the furnace, is dumped upon a platform on a level with the roadway and when the ash pan below the burning hearth is full of ashes and other burned material the grate is rolled out on rails provided for same and the ash removed by hand to the dump.

The rated capacity of the unit is about 16 tons of refuse or garbage daily. The capacity of this type of furnace seems not to have been tried out and there does not appear to be any installed where continuous operation is required. Mr. Collins states there are several of the plants in some of the Southern States and all operating with satisfaction.

The furnace seems to be of the type and construction suitable for burning small quantities of refuse in small towns, as the resulting odors and smoke are not in such volume as to form much serious objection. Should there be assembled in one plant a sufficient number of these furnaces to burn 500 to 600 tons a day, or, as suggested by Mr. Collins, to install four plants in different parts of the City, each of which would have a capacity of about 150 tons a day, it is not possible to estimate what degree of nuisance might result from the combined odors and smoke from all the furnaces of the group.

Regarding fuel expense the records would indicate that the plant at the Presidio requires something between 24 cents and 35 cents worth of fuel oil per ton of refuse. It is probable that with larger installations and more continuous operation the amount of fuel oil required per ton of refuse would be less than in such a small plant as the one at the Presidio.

Neil H. McKay, Civil and Sanitary Engineer, San Francisco, under date of December 1, 1915, made a proposition as follows:—

To design, erect, and test, to the satisfaction of the City and County of San Francisco, one Sparks Garbage Incinerator, of one unit, with a rated capacity

of 8 tons per day as a demonstration plant, on a plot of ground to be furnished by the City, under the following guarantee:—

1. To destroy 8 tons of garbage and refuse a day.
2. The plant will be odorless and inoffensive.
3. The plant will be constructed in a thoroughly mechanical and workman-like manner.
4. Residue will be free from organic matter.
5. No restrictions on any grade or classes of garbage.
6. Cost of operation shall not exceed 40 cents a ton.
7. All refuse and garbage will be incinerated to innocuous ash and vitreous clinker.
8. Will erect and complete said incinerator and temporary building enclosing same, supply all tools and equipment for operation, and furnish complete plant, consisting of one unit of the Sparks Garbage Incinerator, in perfect working order, for the sum of \$6,000, to be paid upon the conclusion of satisfactory operating tests and delivery of maintenance bonds. Will also furnish bonds in good solvent surety company for fulfillment and performance of contract, also for maintenance and to save City harmless from all claims of any nature.

This type of incinerator is stated to be in successful operation in Memphis, Tennessee; Little Rock, Arkansas; Hillsborough, Texas, and Bartelsville, Oklahoma.

While Mr. McKay states that it has proven itself to be the most economical and sanitary garbage incinerator ever constructed in the United States, it is probably another of the type of incinerators that work very well for small quantities of refuse to be destroyed, and offensive gas and smoke are then probably in such small quantities that no serious objection to its operation are apparent.

Fred P. Smith, Henry E. Monroe and R. F. Harding. These gentlemen, under date of November 15, 1915, made application for a franchise for disposal of garbage, rubbish and waste matter for a term of 35 years. In consideration of such a franchise they propose to dispose entirely of all refuse delivered to them as collected by scavengers or others, without cost to the City, and in a clean and sanitary manner. As compensation for such a franchise they offer to pay to the City 4 cents per ton for all refuse delivered to the plant and at termination of franchise period of 35 years they will convey to the City all right, title and interest in a complete incinerating plant, which shall have a capacity of 1,200 or more tons per day, together with a site of not less than 30,000 square feet area. The estimated market value of said plant and site will be about \$730,000. It is estimated that under the proposed franchise the City would receive about \$237,000 in cash, which, with the estimated value of the plant and the site, would equal approximately \$1,000,000 to be received by the City as compensation for the franchise.

The proposed site to be furnished by Messrs. Smith, Monroe and Harding is in the Islais Creek District within 2,000 ft. from the Islais Creek Incinerator erected by the Destructor Company.

Smith, et al, are to have the exclusive permission, privileges, rights and authority to dispose of all garbage, refuse and waste, except dead animals and swill from restaurants and hotels, which are now otherwise provided for, to be delivered by scavengers, collectors or parties having waste or refuse, and to deliver said refuse to the proposed plant at such hours of the day and at such places as directed, subject to the approval of the Board of Public Works and under the sanitary supervision of the Board of Health, and scavengers or others are to pay, upon delivery at the incinerator, at the rate of 60 cents per ton for all refuse delivered, and the City shall not permit the use of other places for dumping or disposal of refuse.

The Company (Smith, Monroe and Harding) shall become responsible for the disposal of all refuse in such manner that no form of nuisance can result

from the handling, from the treatment or from incineration, and there shall be no noxious odors or gases, smoke, fumes or vapor, either inside or outside of the plant.

The Company proposes to have the plant of the Sanitary Reduction Works turned over to them by the City and that the City shall permit its operation by the Company for the period of the first 18 months of the proposed franchise period of 35 years, or until the new incinerating plant shall be finished. The Company will make such alterations and additions to the present Sanitary Reduction Company's plant as required to remedy existing nuisances of smoke, odor, and general uncleanness. All their work of construction of new plant and the operation of the old plant shall be under the supervision of the Board of Public Works and the City Engineer, and all work of disposal of refuse and garbage shall be under the supervision of the City Board of Health.

The City shall have the right to terminate the franchise at any time after 5 years of operation of the new incinerating plant and for such termination the City shall pay to the Company the sum of \$20,000 for each unexpired year of the 35 year franchise.

Messrs. Smith, Harding and Monroe, under date of December 9, 1915, proposed as follows:—

For the immediate and temporary disposal of waste and refuse they will receive all refuse such as is now taken by the Sanitary Reduction Company and dispose of same upon submerged property owned or controlled by the Company (Smith, Harding and Monroe) in the Islais Creek District. For this privilege they agree to pay to the City the sum of \$20,000 per annum, or \$30,000, for a proposed contract period of 18 months, they to be authorized to collect 60 cents per ton from scavengers who shall deliver the refuse subject to the direction of the Company. All of the physical properties of this disposal are to be subject to the approval of the Board of Public Works and the sanitary and health conditions subject to the approval of the City Board of Health. The Company States that they are prepared to begin operations four weeks after the acceptance of their proposal.

Messrs. Smith, Harding and Monroe, under date of December 9, 1915, also make application for a contract for the disposal of refuse for a term of 25 years, the compensation to the City for said franchise to be 4 cents per ton of refuse delivered by scavengers to the Company (Smith, Harding and Monroe) during the first 5-year period, 5 cents per ton of refuse delivered by scavengers to the Company for the second 5 years of the period of the franchise, and an increase over the 5 cents per ton of 1 cent for each ton of refuse delivered by scavengers to the Company during each succeeding 5-year period for all refuse delivered to the plant. At the termination of the franchise period of 25 years, the Company will convey to the City all right and title in the complete plant, together with the site of not less than 36,000 square feet area, and the estimated value of the plant and site will not be less than about \$730,000. The capacity of this plant will be 960 or more tons per day.

Under the proposed franchise it is estimated that the City would receive not less than \$327,000 in cash, which, together with the value of the plant and site, would be more than \$1,000,000, which the City would receive as compensation for the franchise. The proposed site of the incinerator is in the Islais Creek District on land now owned by the petitioners. All waste shall be delivered to the plant by the scavengers, who shall pay the Company 60 cents per ton for receiving same and the Company shall then become responsible for the disposal of the refuse without nuisance or offensive conditions of any sort, subject in all its operations and results to the approval of the Board of Public Works and the Board of Public Health.

During the first 18 months of the franchise period the Company proposes to receive and dispose of the City's waste by burial for filling purposes at the plant site.

The new plant will be constructed and supplied complete with all equipment for the requirements of the City, ready for successful operation, within 18 months after granting the franchise. It is not proposed to build at the first a plant larger than may be required to dispose of from 500 to 600 tons daily, but further units of furnaces will be built by the Company in advance of the City's requirements and before the end of the franchise period the Company undertakes to have built an incinerator with furnaces of a sufficient capacity to dispose of 960 tons or more, all enclosed in a building of Class "A", reinforced concrete construction. The estimated cost of the completed plant, as proposed by the Company, to be erected under the franchise at any period after the first five years of the operation of the new plant by paying to the Company a forfeiture price of \$24,000 for each unexpired year of the franchise period.

Messrs. Smith, Harding and Monroe, under date of December 9, 1915, propose what they term a feasible method of immediately and temporarily disposing of refuse without investment of any City funds, and for which they are willing to enter into contract with the City.

It is proposed that the present plant, now operated by the Sanitary Reduction Company, be turned over to the Company (Messrs. Smith, Harding and Monroe), and that the scavengers shall continue to deliver the refuse at the plant and pay the reduction charges of 60 cents per ton, as is the present rule.

1. The Company will make such improvements to the Incinerator, to such extent and in such manner that the nuisance features of smoke and dust shall be abated. As compensation for such improvements they agree to accept the profits to be made by the operation of the plant for one year, the profits consisting of the difference between the actual cost of operating the plant and the 60 cents per ton to be paid by the scavengers upon delivery of refuse. After the first year's operation by them they propose to pay to the City the sum of \$20,000 per annum for the continued use of the plant and for such period as the City shall desire and permit its operation.

2. The Company proposes a contract for the operation of the plant under 5 years franchise period and without payment to the City of any sums annually or otherwise, they will entirely reconstruct the present plant, should it be turned over to them, in such manner that its capacity will be increased and all nuisance features of smoke and odor will be entirely abated, and the present congestion of scavenger wagons at the busy times of the day will be entirely abolished. Under the proposal for the 5-year period, it is assumed that the present site for waste disposal purposes will not be considered for a period of longer than about 5 years.

3. The Company (Messrs. Smith, Harding and Monroe) offers to dispose of the City refuse for a period of from 18 months to 2 years by receiving the refuse delivered by scavengers on their Islais Creek property and disposing of same by burial in the submerged district, and for this privilege the Company will pay to the City the sum of \$20,000 per annum so long as this method of disposal shall be permitted.

Referring to the first proposal by Messrs. Smith, Harding and Monroe, for a 35-year franchise period, it will be noted that they propose to pay to the City the sum of 4 cents per ton for all refuse delivered to the plant and they estimate that at the end of the franchise period the refuse that will be delivered by scavengers will amount to between 900 and 1,000 tons per day. This would represent an average income to the City at 4 cents per ton, of approximately \$9,000 annually during the entire franchise period of 35 years.

It will be noted that for the first several months of the period the refuse to be delivered by the scavengers is to be disposed of on what is now submerged land, by process of burial. There are many objectionable features to such a process as will be mentioned more particularly later on in this report, and while Messrs. Smith, Harding and Monroe propose to treat the fill in a perfectly satis-

factory and sanitary manner, they also recognize the fact that the whole foundation of the plant must be built and sustained on piling in order to carry the heavy building and furnace, which furnace, being of brick-work, will certainly require a very stable foundation, in order to prevent it developing cracks and thereby becoming subject to continual repairs.

Another feature requiring consideration would be the difficulty of compelling scavengers to deliver all of the refuse to the Islais Creek District. It would probably be necessary to have one or more receiving stations for refuse in some one or more sites to be determined, to which the scavengers would deliver their refuse. From these receiving stations the refuse could be delivered to the site of the proposed incinerator by motor trucks. The expense of this haul from the receiving stations to the incinerator would probably fall on the incinerator company, and it may be they have included this in their estimates of cost. Their propositions do not make mention of such cost, however, and it may be subject to another franchise or expense item, that either the Reduction Company or the City or the scavengers would have to meet in some manner to be arranged.

It is understood that the kind of furnace proposed by Messrs. Smith, Harding and Monroe is the same furnace or a modification of same that is now in operation in the City of Portland. There is also another one in operation in the City of Pasadena and one of small capacity in use in the City of San Jose, California. It is stated that the operating costs of the Portland plant are something less than 50 cents per ton. With the local charge of 60 cents per ton to be paid by the scavengers, there would be indicated a fair profit on the general operation of the plant.

One advantage that might be mentioned in one or other of the propositions from these gentlemen, is the fact that they propose to relieve the City immediately of further trouble with reference to its disposition of refuse and to guarantee that when their incinerator is built and in working order, it will be entirely satisfactory in that there shall be no offensive odors, dust or smoke, and at all times the operation of the plant shall be under the direction and supervision of the Board of Public Works and the Board of Public Health of the City and County of San Francisco.

A. G. Boggs, under date of November 12, 1915, submits two propositions:

Proposition No. 1. The City shall acquire the present plant now operated by the Sanitary Reduction Company and turn same over to Mr. Boggs, that he may have the unobstructed possession of the plant, with the privilege of operating same until the completion of a new plant which he proposes to build. This plant comprises an entirely new process for purposes of refuse reduction. It is called the "Boggs-Carson Multiple Unit Destructor" and consists of a series of furnace chambers or cells into which the refuse is charged. These cells are arranged in series and the heat and gases from one cell pass into the next and so on through the series, completing the destruction of the refuse by a complete round of operation; the whole process being self-contained does not permit of any odors or smoke passing from the furnace units in the destruction of the refuse.

No furnace of this type has yet been constructed for operation in practical destruction of refuse. It is understood that the inventor and owner have built a plant for experimental purposes, but nothing of a completely practical size.

The proposition states that the multiple unit plant shall be absolutely fumeless and odorless, and sanitary in every respect. When the proposed new plant is completed and with sufficient capacity to handle all the refuse of the City, the present old plant now operated by the Sanitary Reduction Company will be removed by the Contractor without expense to the City, other than a franchise or contract granting the same privileges now granted to the Sanitary Reduction Company. In compensation for the franchise to be granted by the City, Mr. Boggs agrees to pay to the City \$15,000 at the end of the first year after receiving

possession of the property, \$20,000 the second year, \$25,000 the third year, \$30,000 the fourth year, and \$35,000 for the fifth year and each year thereafter up to and including the 30th year, which 30 years shall represent a franchise period requested by Mr. Boggs in consideration for his payments to the City and for the supply of his incinerating plant complete and the removal of the present plant without further expense to the City.

The City shall have a right to terminate the franchise and take over the entire plant at any time after it is in full operation, by paying an amount to the Contractor on which the net annual earnings show a 10 per cent profit. Should the City not desire to terminate the franchise and take over the plant until the end of the franchise period of 30 years, the entire plant is then to become the property of the City without any compensation to the Contractor.

Proposition No. 2. Mr. Boggs proposes to dispose of the refuse of the City by the same method and on the same terms and conditions as proposed by Mr. Richard Schmidt, except that payments to the City shall be 12 cents per ton of refuse delivered by the scavengers and with the further exception that the City shall have the right to terminate any contract made with Mr. Boggs in this matter on a 6 months' notice and a payment of twice the amount of the net profits that can be shown for the previous year's business of disposal.

With reference to the Boggs-Carson Multiple Unit Destructor, as mentioned above, there is no incinerator of this type in practical operation. The chemical actions and re-actions in the process, as described by Mr. Boggs and Mr. Carson, might seem to offer at least a partial solution for the destruction of garbage and refuse, but it is impossible to form an opinion of the practical results to be obtained without some demonstration of the principal features involved in the whole process of the destruction of refuse.

Mr. Boggs' Proposition No. 2 is to be considered with reference to the proposals for burial of garbage which are commented on later in this report.

Fred Linderman, under date of July 22, 1915, proposed to accept all refuse from the scavengers as at present handled by them, and he will convey and load same on his vessels at any selected point or points, collect charges from the scavengers of 60 cents per ton, pay the wharfage charges for vessels and assume the whole responsibility for the disposal of the refuse at sea for the sum of 58 cents per ton, covering a contract for not less than two years and a minimum quantity of 400 tons per day.

It was proposed to use similar equipment to that employed in his contract with Oakland and Berkeley. Owing to the fact that the vessel employed by Linderman in his contract with Oakland and Berkeley for the removal of the refuse to sea was recently wrecked, it is probable that this proposal by Mr. Linderman lapses.

It is not known whether the vessel employed by the Contractor to carry the refuse from Oakland and Berkeley actually complied with the State law which was amended about three years ago, to the effect that garbage may be dumped into the Ocean at any place not less than 20 miles from land, but from a number of complaints that have resulted from time to time it is probable that much of the material was dumped within less than 20 miles from land.

E. G. Borden, under date of December 3, 1914, offered to build a complete destructor of 50 tons capacity, free of cost to the City on site to be selected and supplied by the City. The Contractor will guarantee absolute combustion, free from all gases escaping into the atmosphere. After definite proof of the satisfactory operation of the incinerator the Contractor will sell to the City the original plant at its cost and charge the sum of \$50,000 for the use of the patents under which the incinerator is built, during their lifetime.

This incinerator is a product of the Hydro-Vacuum Smelting Company, built under what is known as the Heslewood patents. During this last summer one of these furnaces was built as an experimental plant at the John Finn Metal

Works, 384 Second Street, this city, and a trial of this plant was made in October, 1915.

The plant is an experiment in the design, construction and operation of a special closed top furnace of the iron smelting type to treat sulphide or other so-called rebellious ores and is connected with a condensing and wash-water apparatus for washing the waste gases and products of combustion from the cupola in such manner that objectionable odors shall be removed from the escaping gases and any valuable by-products may be saved. It was considered by the Company to be a practical method for destroying refuse and the experiment was to try out this possibility. The experiment showed that garbage can be destroyed in a furnace of the type used, but it did not demonstrate that the waste gases may be so purified or cleansed that the escaping vapors shall carry no odor. This is not to say that the waste gases may not be cleansed of odor or other objectionable features by some modification or extension of the process employed by the Company, but is simply a statement that the washing or cleaning operation as employed in the experiment was not effective.

The expense of operating this experimental plant was not a satisfactory basis upon which to estimate probable working costs for a commercial plant. It can be said of this as of a number of other untried processes that it will be necessary to make experiments on a more nearly commercial scale to show what actual costs may be. As above stated, the process applies primarily for the reduction of rebellious ores and since the time the proposition was made it is understood that Mr. Heslewood is not particularly interested in the application of his furnace for the destruction of garbage.

The City Disposal Company, Joseph F. Lahaney, President and Manager, under date of May 12, 1914, asks for an opportunity to bid upon a franchise covering the disposal of garbage or swill.

San Francisco Disposal Company, Charles Turner, President and General Manager, under date of June 23, 1914, made a proposition to the City as follows:—

In the first place it will be necessary to have a separation of the waste materials of the source, that is to say, at the households—one receptacle for garbage or swill and another for general rubbish or waste. They assume that about one-third of the total refuse collected in San Francisco, or about 150 tons per day, is garbage or swill. They proposed to receive and dispose of garbage from 150 to 200 tons daily for a period of 10 years, requiring the right to charge and collect from scavengers 60 cents per ton for all garbage delivered, and they will obligate themselves to take care of all garbage produced during the period of contract and will give satisfactory option to the City to buy the plant at any time during the franchise period. The Company makes no proposal for disposition of general waste, merely suggests that it can be destroyed in the present plant now operated by the Sanitary Reduction Company.

The San Francisco Disposal Company's plant is located in Butchertown, at Evans Avenue and Keith Street. This company now takes the swill from hotels and restaurants in the City and the method employed for disposal is that known as the reduction process which recovers from garbage commercial products such as grease and fertilizer. The communication also suggests the rebuilding of part of the old plant of the Sanitary Reduction Company and putting it in better shape for destroying waste.

Richard Schmidt, under date of December 17, 1914, and subsequently under date of December 8, 1915, through his attorney, Hiram W. Johnson, Jr., submits a proposal for the receipt and disposition of refuse, waste and garbage in amounts up to 500 tons daily, excepting such garbage as the City may desire to incinerate in its own plant, requesting a franchise period of 35 years during which time there shall be paid to the City nothing for the first 3 months, 2 cents per ton for the second three months, 3 cents per ton for the third 3 months



and 4 cents per ton for the fourth 3 months of the first year, and 4 cents per ton for all time thereafter during the life of the franchise.

Mr. Schmidt, through his attorneys, submitted a proposal of agreement for consideration, as follows:—

1. That all refuse and garbage shall be collected by scavengers and delivered by them at such places and during such hours as may be designated by the City Engineer, and the Contractor shall be authorized to charge and collect from scavengers for receiving and disposing of the waste the sum of 60 cents per ton.

2. The Contractor shall receive such refuse at the places and times designated and convey and dispose of it or deposit same in cars and remove to the place of final disposal within 24 hours after having been delivered by the scavengers.

3. The Contractor shall dispose of the refuse by dumping on waste land in such manner that it shall be sanitary and shall be treated by a privately owned process of Mr. Schmidt in such manner that it will not become a nuisance. The places for fills or dumps within the City and County shall be approved by the Board of Supervisors and no salvaging shall be conducted except on the fills and dumps.

4. All notices or directions to Contractor, except orders or ordinances from the Board of Supervisors, shall be in writing.

5. Contractor shall have the right at his option to enclose the places for dumps or where fills are being made and may prevent unauthorized persons from entering upon such dumps.

6. The Contractor shall enter upon the performance of this contract within 90 days after execution of agreement and shall continue the disposal of all waste during the full term of agreement.

7. The Contractor shall execute a bond in a sufficient sum to guarantee faithful performance of the contract, and the bond shall indemnify the City against all damage to person or property by any act of Contractor, except such acts as are authorized or approved by the City, and the bond shall also indemnify the City against liability to employes of the Contractor.

8. If, for any reason, other than may result from the fault of the Contractor, the refuse delivered by the scavengers shall be reduced to less than 200 tons per day, the Contractor shall not be required to pay anything to the City, or should the amount be reduced to less than 100 tons per day, the City shall be obliged, at the option and request of the Contractor, to purchase all physical appliances and structures employed in the disposal of such refuse at a reasonable value to be ascertained by appraisal, and this reasonable value shall be paid in full satisfaction of contract or franchise.

The terms proposed by Mr. Schmidt, upon which the City, at the option of the Contractor, shall take over the plant and the business of the Contractor, state that the valuation shall be ascertained in the following manner:—

The City shall pay to the Contractor a sum of money equal to 10 times the amount of the net profits from the Contractor's operations for the 12 months next preceding the period when the City began to operate its own plant and if taken over by the City after 25 years immediately succeeding the date of contract the payment to the Contractor shall be equal to a sum of money which shall be 9 times such net profits if taken over by the City during the first year succeeding the 25-year period, or 8 times if taken over during the 27th year, 7 times if taken over during the 28th year, and so on until the amount to be paid the Contractor shall be diminished by one for each year until the 9th year succeeding the 25th year period, which 25 years shall be the 25 years immediately succeeding the date of contract.

These prices are based upon the assumption that the City shall take over and operate the plant and business of the Contractor, conducting it in practically

the same manner as proposed by the Contractor, but in the event that the City should take over the plant for the purpose of discontinuing the operation under the terms of the franchise and does not intend to use the plant or the method or should decide to enter upon a plan for the disposal of refuse essentially different from that under the operations of the franchise, then the amount to be paid the Contractor shall be the amount previously mentioned less the appraised valuation of the physical property and appliances which the Contractor may retain. Should the franchise be permitted to run for the full term of 35 years, the whole plant shall then become the property of the City without any payment whatsoever therefor, and it may take immediate possession.

Mr. Schmidt's attorney, under date of December 8, 1915, submitted some variations in the detail of the original proposals to the general effect that Mr. Schmidt would consider—that the franchise period of 35 years mentioned could be changed to 5 years or any other term that would be acceptable to the Board of Supervisors, so that a shortening of contract term should fit into proposal as originally made.

2. The location of the ground or the area into which garbage is to be dumped will be under the complete supervision and approval of the City authorities.

3. Sanitary inspectors shall be appointed in any reasonable number, one-half of expense to be paid by the Contractor.

4. Mr. Schmidt will give bond in any reasonable amount for faithful performance of work and any change in the proposal or terms of the proposal along fair and equitable lines or any change to meet objections that may be made in regard to the proposal will be met by Mr. Schmidt.

In this connection I would refer to the report made to the Board of Public Health by Dr. Hassler, the Health Officer, under date of November 9, 1915, which refers particularly to the proposition submitted by Mr. Schmidt:

"This plan of disposal is open to the following objections:

"1. The character of the receiving stations, class of construction, whether enclosed or open, the provisions of cleansing and sterilization, provisions for authority and inspection with payment for inspectors are all overlooked; likewise no consideration has been given the question of rats, flies, vermin, odors and the general nuisance to the neighborhood.

"2. At the several receiving stations there must be an aggregate of from 40 to 60 ordinary freight cars standing open all day long, for the agreement permits the retention of refuse at the receiving stations for a period of twenty-four hours, which means these stations need never be free from garbage.

"3. These receiving stations will be designated by the City Engineer and the City, therefore, becomes a partner with the Contractor in maintaining what at any time may become a public nuisance.

"4. The final disposal is to be by dumping and burial. Dumping and burial of garbage is a bad practice for the reason that it means a putrefying, offensive mass that in spite of the covering will give rise to foul odors and retard the installation of permanent improvements for a long period of time. In all places where garbage has been used as a fill and the site subsequently used as a place of business or residence, it is a matter of record that the incidence of communicable disease is greater among those residents than in other sections. Such fills are also a natural harboring and breeding place for rats, flies, vermin, etc.

"San Francisco, with its plague experience, must always guard against the creation and maintenance of rat harbors, and I believe that it would be impossible to cover a fill of garbage with a sufficient amount of earth to properly neutralize the inherent dangers of putrefaction and prevent a nuisance.

"The agreement states that the Contractor is to cover with a thin layer of earth, but there are no specifications as to the amount, character or composition

of earth to be used, not any length of time as to how long dumped garbage may lie exposed before covering with earth. Likewise there is no provision for authority of inspectors over the contractor nor for the payment of inspectors representing the City. When it is considered that a day's refuse of San Francisco will cover from one-fourth to one-third of an acre to a depth of six feet, the insufficiency of the agreement is very evident.

"Note:—The matter of disinfecting garbage by spraying with a solution as suggested by one of the parties interested in obtaining a contract is not a practical procedure for abating the noisome odors or the nuisance which might arise from rats and flies, for the reason that unless the garbage is thoroughly saturated it would be absolutely ineffective, and saturation with a disinfecting solution delays the organic decomposition and final destruction of the garbage.

"5. As a form of agreement, it is all in favor of the contractor, the City becomes a partner by designating the sites and in my judgment becomes liable for damages if case adjacent property is injured by reason of the dumps.

"The City guarantees the Contractor the privileges of his contract and agrees to give the Contractor all the wastes of, or to be collected by the City (see paragraph 9) and failing to do something it cannot do the City would be liable for damages to the Contractor. The City is to be paid a certain sum per ton, but makes no provision for payment of weighers, clerks, inspectors, etc., in order to check and record the tonnage.

"6. In the ninth paragraph there is a definite statement that no ordinances, sanitary regulations or requirements shall abrogate the provisions of the contract.

"7. A final paragraph refers to default of contractor to perform his duties, but nowhere are his duties defined, except in the haziest possible manner. The franchise is to run for thirty-five (35) years and can only be terminated by the City constructing and municipally operating its own incinerating plant.

"It must 'construct' its own incinerating plant.

"It must municipally operate its own plant.

"It must be an incinerating plant and no other means of disposal.

"Even if it does all these things, it can resume control only by paying many times the 'net profits' of the contractor, while 'net profits' are to be the basis of purchase there is no provision for securing a check upon the Contractor's own figures".

I am in accord with Dr. Hassler, wherein he states in the concluding paragraph of his report as follows:—

"I feel assured that any garbage dumped would be looked upon with considerable suspicion and disfavor."

I also quote from a statement of Calvin S. White of the Oregon State Board of Health, wherein he writes, under date of November 2, 1915, as follows:—

"I am most vigorously opposed to any fills or permanent improvements being made from garbage. The plan, I understand, has been tried out in Seattle and pressure has been brought to bear on the local health authorities by those interested to endorse the measure, although now I think it has been discontinued there. It was tried here in one of the gulches for a few weeks, but the well-founded complaints of all the people living in the neighborhood was sufficient to have it stopped. It is a breeding place for rats and flies, gives rise to foul odors, no permanent improvements can be built over such a fill without handling the putrefied mass and in my judgment cannot but be a source of contamination. My own opinion is that the only way to dispose of garbage is to take all that is fit for fertilizer back to the land and have the rest incinerated. It is true in our City and perhaps in yours that there is not sufficient demand to warrant the saving of by-products such as grease, soap, bones, etc., and the waste of paper that cannot be used over is of course considerable, and at the present time the only plan I would endorse would be one that had the total destruction of all putrefactive material as its prime object".

These same remarks apply to the alternative proposal of Messrs. Smith, Harding and Monroe, to Proposition No. 2 of A. G. Boggs, and particularly to the alternative of the proposition from Fred Linderman, the alternative being the periods where the City might be compelled to dispose of its refuse by burial when it would be impossible for the vessel to carry the refuse to sea at periods of storm or weather stress, or a recurrence of the present disaster. Oakland has been compelled to resort to fill in low lying land and the authorities are finding themselves in an unpleasant situation. Berkeley, I understand, has been compelled to start its own incinerator even though it has to be run at considerable loss.

The Harris Municipal Garbage Incinerator and Steam Generator Company, under date of November 15, 1915, submit plans and specifications for incinerator and steam generator. This concern proposes to furnish plans and specifications and a supervising engineer at an agreed-upon price, and the City is to build the plant at its own expense. Should the guarantee of inoffensive and satisfactory operation not be met there would be no charge for services, and plans, etc., but should the guarantees be met the City should pay to J. B. Harris a royalty of \$50 per ton of plant capacity as total final royalty—for example, 600 tons daily capacity of plant, \$30,000 royalty. J. B. Harris guarantees the sanitary destruction of refuse at a profit of approximately 60 cents per ton, after allowing 6 per cent interest on investment, 4 per cent sinking fund for repairs and all labor, but this has to assume a certain profit to be derived from the generation of steam, as otherwise there could be no definite profit in such a plant.

The general type of this plant is somewhat similar to the Decarie Incinerator in that the grates of the furnace consist of water tubes and the arrangement of these water tubes forms a steam generator resembling in a way a Sterling water tube boiler. There does not appear to be any example of this incinerator in operation.

The life of this furnace or incinerator would be the life of the weakest joint in the water tube boiler, and it is a device that cannot be recommended for application.

J. E. Briggs, Pacific Coast Agent of the Decarie Incinerator Company, offers a number of letters giving data on operation and costs of Decarie Incinerators. Also states that he feels certain he can save the City a substantial amount in the cost of construction of an incinerator and also in cost of operation and general efficiency.

The Decarie Incinerator is another with the water tube type of grates, and the same remark applies to this as to the Harris, in that the continuity of operation will depend upon the strength of the weakest pipe joint in the furnace.

Mr. Briggs has no definite proposal to make, however, and it must be assumed that he is only in position to make bids or proposals for Decarie Incinerator should the City undertake to build one or more incinerating plants.

R. E. Tilden, consulting civil and hydraulic engineer, Winnemucca, Nevada, offers for consideration an incinerating plant of the Dixon type with some improvements by W. G. Kirkpatrick of Birmingham, Alabama.

This incinerator is of the small capacity type, well adapted for the smaller towns or where labor and fuel are cheap and where the smoke and odors would be of such comparatively small volume and amounts as to be practically negligible.

The refuse is dumped on the floor and the furnace fed by hand. The whole operation is by hand and the capacity of furnace is about two tons per hour.

A number of these furnaces are said to be in operation in the Southern States—Birmingham, Alabama; Augusta, Georgia; San Antonio, Texas.

Mr. Kirkpatrick's relation to the installation of an incinerator is that of an engineer, solely. He furnishes plans and specifications upon which local contractors bid for the supply and erection of the incinerator. He charges engineering fee, but holds no patent rights. Mr. Kirkpatrick says the plant is no more

objectionable or offensive than a livery stable and does not give out as much odor, and that the objections to this plant being centrally located for convenience of garbage delivery are mostly sentimental, such as not wanting to see the garbage carts passing.

Mr. Tilden is western correspondent of Mr. Kirkpatrick. Mr. Tilden has no proposition to make to the City. He simply offers the design of the Dixon incinerating furnace as modified and improved by Mr. Kirkpatrick for consideration here should the City decide to erect any plants of its own.

It will be noted that each proposition contains a guarantee of operation that the proposed method of disposal will be inoffensive, odorless and otherwise unobjectionable.

Messrs. Collins & Pellett propose to guarantee "by an acceptable bond that their incinerator will be without any offensive odors or gases and practically smokeless in operation".

Neil H. McKay will furnish bonds in a solvent surety company for the fulfillment and faithful performance" of guarantee that "the plant will be odorless and inoffensive".

Messrs. Smith, Harding and Monroe say: "No nuisance or offensive conditions such as noxious odors or gases, dust, smoke, fumes or vapors shall be caused by the process or means of disposal to exits or prevail inside or outside the plant", and "there shall be no heavy nor offensive smoke from the chimney at any time from burning refuse." Regarding the proposed reconstruction of the plant now operated by Sanitary Reduction Company, they will "increase its capacity and all nuisance features of smoke, dust and odor will be entirely abated".

Mr. Boggs says his "multiple unit plant shall be absolutely fumeless and odorless and sanitary in every respect".

E. G. Borden will "guarantee absolute combustion with no escaping gases".

Richard Schmidt proposes to handle the refuse in a manner "that shall be entirely sanitary and shall be treated to prevent same from becoming a nuisance", and "will give a bond in any reasonable amount" for satisfactory performance.

J. B. Harris "guarantees" inoffensive and satisfactory operation by the use of his system.

It appears to be the custom among promoters and sales agents and manufacturers of incinerators to offer guarantees for the successful and satisfactory operation of their several plants, and it is possible that much of their optimism is based on the hope or expectation of being able to "get away with it". Unfortunately however, there are numerous instances of application where success has not been achieved.

The general and most recent history of the treatment and disposal of refuse in the United States consists of a long line of failures to meet the requirements of the more recently developed sanitary laws and health consciousness. There are reputed to be some successful methods in operation in some of the larger cities and a close hand study of some of these plants would be of value in our further investigation.

To quote from Page 54 of the Final Report of the Grand Jury of the City and County of San Francisco for the term beginning December 16, 1914, and ending December 14, 1915:—

"Apparently the art of incineration is by no means fully developed. An incinerator recently installed at Berkeley has been closed down, and of the four recently constructed in Seattle the use of two has been discontinued. Before the City Engineer can make the logical recommendation as to what steps are to be taken in the treatment of this problem, a comprehensive study should be made of the entire subject of garbage disposal. The most efficient and reliable way of gathering this data is by personal inspection, which will involve the expenditure of about \$2,500. In view of the importance of the problem and the very large expenditures already made by the City of San Francisco, amounting in all to

\$699,000, the wisdom of such a study should be apparent to the Board of Supervisors'.

There can be little question that the incineration method is the proper one for the final disposal of refuse, and it must be admitted that the burial or dumping method is of a temporary nature only.

Before being in a satisfactory position to advise upon the numerous propositions submitted, or to recommend any particular design of incinerator, it is desirable, and I recommend, that funds be made available to the extent of \$2,500 to meet the expense of investigating the methods used in garbage disposal in several cities of the United States that have a population of upwards of 500,000.

## 1908 BONDS FOR GARBAGE DISPOSAL SYSTEM—JUNE 20, 1916.

Memorandum of cash on hand, as per attached statement, not allowing for any further liabilities on account of purchase price of incinerators from Destructor Company.

Total cash on hand.....		\$245,643.63
From this cash balance should be allowed the following, which will be expended whether the Destructor Company wins or loses suit:—		
Owing to Sanitary Reduction Works on Plant....	\$50,000.00	
To be expended in investigations during suit and in investigations of various methods of garbage incineration .....	971.42	50,971.42
		<u>\$192,672.22</u>
Amount of bonds unsold.....		120,000.00
		<u>Balance on hand after paying liabilities and expenses, but not including further payments to Destructor Company.....</u>
		\$312,672.22

## GARBAGE DISPOSAL SYSTEM—BOND ISSUE OF 1908.

## FINANCIAL STATEMENT, JUNE 20, 1916.

Total appropriations June 20, 1916.....	\$840,110.58
Total surplus from appropriations to be returned to fund.....	87,678.80
	<u>Net total appropriations June 20, 1916, including \$50,000.00 due Sanitary Reduction Works .....</u>
	\$752,431.78
Total bonds sold .....	\$880,000.00
Premiums on bonds.....	65,104.00
	<u>Total amount available June 20, 1916.....</u>
	\$945,104.00
Net total appropriations June 20, 1916.....	<u>\$752,431.78</u>

(Including amount due but not appropriated for Sanitary Reduction Works)

Net amount available for appropriations on new work, assuming that no more will be paid Destructor Company on their contracts.....	\$192,672.22
Amount of bonds authorized but not yet sold.....	120,000.00
	<u>Amount remaining in bond fund, after all bonds are sold and assuming no more payments on incinerator contracts.....</u>
	\$312,672.22
Amount recoverable from Destructor Co. on account of payments made on incinerators:	
Islais Creek .....	\$ 85,699.51
North Beach .....	43,194.26
	<u>\$128,893.77</u>

(Williams shows a balance of \$155.50 less than shown by this statement.)

	North Beach	Islais Creek
Contract price .....	\$132,075.00	\$123,141.00
Paid .....	43,194.26	85,699.51
	<u>\$ 88,880.74</u>	<u>\$ 37,441.49</u>
Due Contractor .....		

## GARBAGE DISPOSAL SYSTEM—BOND ISSUE OF 1908. FINANCIAL STATEMENT, JUNE 20, 1916.

Description of Work	Expended	Required to Complete	Total Amount Required	Appropriation	Surplus
Lot at Islais Creek, Bd. of Supervisors.....	\$ 15,000.00		\$ 15,000.00	\$ 15,000.00	
Lot at North Beach, Bd. of Supervisors.....	80,000.00		80,000.00	80,000.00	
Appraisements and Incidentals, Bd. of Supervisors.....	850.28		850.28	850.28	
Miscellaneous Expenses, Bd. of Supervisors.....	1,735.30		1,735.30	1,735.30	
Grading Islais Creek Lot and Foundation Piers for Building .....	11,951.90		11,951.90	18,000.00	\$ 6,048.10
City Engineer's Salary (part).....	175.00		175.00	175.00	
Water Mains on Kansas St. for Islais Creek Incin. Four (4) 60-ton Furnaces for Islais Creek and North Beach Plants.....	230.38		230.38	350.00	119.62
Islais Creek Incinerator Building.....	141,787.67		141,787.67	260,000.00	118,212.33
Plans and Specifications, No. 1 .....	76,781.88		76,781.88	90,000.00	13,218.12
Plans and Specifications, No. 2 .....	10,919.37		10,919.37	11,000.00	80.63
Engineer's Investigation in Incinerator Suits in Federal Court .....	11,566.08	933.92	12,500.00	12,500.00	
Sanitary Reduction Works (Lands).....	462.50	37.50	500.00	500.00	
	350,000.00	50,000.00	400,000.00	350,000.00	50,000.00*
	\$701,460.36	\$50,971.42	\$752,431.78	\$840,110.58	\$137,678.80
				Defect.....	50,000.00
				Net Surplus.....	\$ 87,678.80

\* Deficit.

Williams shows expended.....	\$701,615.86
We show .....	701,460.36
Difference .....	\$ 155.50



## DIVISION OF SURVEYS.

During the past fiscal year a total of 1827 orders for surveys were received at the public counter. Of these 59 were for lot surveys and 1768 were for surveys for public improvements and in answer to petitions or complaints. They include approximately as follows: 5,304 blocks and crossings, a total length of 2,545,920 lineal feet, or 482 miles.

Precise levels were run, covering 1075 blocks and crossings, or about 210 miles; total number of bench marks rechecked and established, 2,505.

Approximate totals are as follows:—

6,379 blocks and crossings, 3,654,720 lineal feet of 692 miles.

Fees collected and turned over to the City Treasurer, \$20,623.25.

Following is a detailed description of the work performed:—

## SURVEYS.

Made for	Number
Public Contracts .....	526
Private Contracts .....	265
Street Repair Department.....	71
Division of Sewers.....	121
Board of Public Works Commission.....	349
Superintendent of Public Buildings.....	2
City Architect .....	8
City Attorney .....	1
Bureau of Engineering.....	424
	1767

## LOT SURVEYS.

Private Owners .....	40
City Architect .....	13
Board of Public Works Commission.....	1
Superintendent of Public Buildings.....	6
	60
Total .....	1827

The following Precise Level Bench Marks were established or reconstructed in the different districts of the City during the fiscal year ending June 30, 1916:—

Districts	Bench Marks
50 Vara .....	122
100 Vara .....	177
Mission .....	467
Western Addition .....	88
Potrero .....	614
Richmond .....	295
Sunset .....	112
Other Districts .....	630
	2505

Number of miles covered, 210.

In addition to the daily surveys above enumerated, work has been advanced on the following projects:—

Circular Avenue widening.

France Avenue, etc., street extensions.

Surveying for the purpose of connecting or tying together the Potrero and South San Francisco districts, bounded by Oakdale Avenue, Railroad Avenue, Army Street and San Bruno Avenue, including Jerrold Avenue, Evans Avenue and interior streets.

Re-locating and defining the street lines and placing street monuments in streets of Panama-Pacific Exposition grounds.

Twin Peaks Scenic Boulevard (preliminary work).

Making map and checking descriptions of Cheney and Diamond Streets for City Attorney.

Holly Park District, fixing monument lines.

Market Street Extension, 24th to Stanford Heights, westerly line. (Preliminary work).

San Bruno Avenue through Bay Shore Tract.

Surveying and establishing grades on Twin Peaks Terrace.

Twin Peaks Boulevard Extension (Park Hill Avenue), locating improvements, cross-sections, profiles, etc.

Judson Avenue Extension.

Phelan Avenue Extension.

San Jose Avenue Widening, locating improvements, buildings, etc., profiles for grades.

Hunters Point Road Survey.

Clarendon Avenue, St. Germain to Ashbury Street.

Surveying, checking monuments, street and monument lines in Geary Street, 12th to 48th Avenue; Fulton Street, 12th Avenue to Great Highway; and 16th, 19th, 26th and 47th Avenues between Geary and Fulton Streets.

4th and 5th Avenues, California and Cornwall Streets, encroachments. (City Attorney).

Spreckels Street, South of Sunnydale.

Edna Street, new street opened between Sunnyside and Melrose Avenues.

#### FEES RECEIVED FOR SURVEYS.

	For Public Improvements	For Private Improvements
1915		
July .....	\$ 1,532.50	\$ 25.00
August .....	2,079.25	75.00
September .....	1,479.50	105.00
October .....	1,840.00	52.50
November .....	1,446.00	118.00
December .....	1,578.50	80.00
1916		
January .....	681.00	50.00
February .....	1,865.00	80.00
March .....	1,697.75	25.00
April .....	2,094.00	166.70
May .....	1,837.05	127.50
June .....	1,500.00	87.50
	<hr/>	<hr/>
	\$19,631.05	992.20
		<hr/>
		19,631.05
		<hr/>
Grand total .....		\$20,623.25

## CURRENT WORK ON HAND.

The following orders for surveys for public improvements are now on our books:—

Mission District .....	3
50 Vara District .....	5
100 Vara District .....	4
Potrero District .....	7
Richmond District .....	9
Sunset District .....	5
Western Addition .....	3
Homesteads .....	15

Total number of orders.....	51
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Orders average about three blocks per order, making a total of about 153 blocks plus the crossings.

To keep up the current work with the annual budget allowance is indeed a most difficult task. Yet, we are expected under the annual budget allowance to carry on all special projects and restoration work without additional funds.

The amount of current work performed under public and private contracts for the improvement of public streets, parks, etc., during the last ten years, from April 18, 1906, to July 1, 1916, has reached the enormous sum of \$13,195,907, about 1½ millions per year. This one item alone (current work) has required surveys covering 52,187,520 lineal feet. The fees collected and turned into the City Treasury for said work amounts to \$211,572.45.

The current work at the present time is far in excess of any time since the fire of 1906, and does not include any special projects or restoration work.

**TESTING LABORATORY.**

It has been found expedient and economical for the Bureau of Engineering to conduct its own testing laboratory. Here are tested samples of all materials used in City construction, including asphaltum, building and paving brick, steel, bronze and cast iron, cement and concrete, paint and oil, rock, sand and water.

In February, 1916, the laboratory was moved to the new City Hall, where larger quarters have been provided in a location in the basement, easily accessible for the delivery of heavy samples, and where a firm foundation for the heavy testing machines was obtainable.

Expenditures for chemicals and supplies during the past year amounted to \$583.75, and the total cost of operating the laboratory, including purchase of materials, amounted to \$5,883.75. The total number of tests completed during the year amounted to 8329.

YEARLY REPORT TESTING LABORATORY, BOARD OF PUBLIC WORKS, FISCAL YEAR 1915-1916  
SHOWING THE CHARACTER OF THE MATERIALS AND THE TESTS MADE.

No.	Material	Tests Made	1915					1916					Totals		
			July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April		May	June
1	Asphaltum	Penetration	20	66	55	96	52	18	29	18	42	58	70	576	
2	Asp. Surf.	Analysis	136	188	172	230	128	130	40	72	48	156	120	1576	
3	Brick, Bld.	Compression	6	16	9	12	12						9	64	
4	Brick, Pav.	Rattler	7	5	9	18	15	12	12	12	6	14	12	122	
5	Bronze	Tension	28	4			4	6					12	44	
6	Bronze	Compression					4	6						10	
7	Cast Iron	Cross Bend	28	40			4						28	100	
8	Cement	Strength, etc.	306	162	90	261	396	450	216	261	315	324	378	3654	
9	Concrete	Chemical											3	3	
10	Creosote	Chemical				4								4	
11	Concrete	Compression	4			16				9	12	4		45	
12	Gal. Pipe	Chemical		8									24	13	
13	Gasoline	Distillation				8								8	
14	Lime Hyd.	Soundness, Fine	1	5	4	6	6	6	3	6	6	4	4	49	
15	Linoleum	Physical	7	8					4					8	
16	Lub. Oils	Physical				4					12	8	6	36	
17	Paint	Chemical	8	10	14	12	12	16	8	8	12	8	12	108	
18	Rock	Grading	12	10	10	16	16	16	16	12	16	16	12	136	
19	Sand	Fineness				5							6	11	
20	Soap	Chemical												188	
21	Soil	Chemical									51			51	
22	Steel	Bending	72	60	36	25	36	52	22	75	96	141	40	715	
23	Steel	Tension	72	60	38	25	32	48	25	75	96	144	40	719	
24	Terne Plte.	Chemical							20					20	
25	Water	Chemical	4							9	9	4		8	
26	Wire	Chemical												18	
Totals			683	630	472	738	713	772	372	542	644	740	921	1102	8329

**PHOTOGRAPHIC AND BLUEPRINT DEPARTMENT.**

The work of the Photographic Department connected with the Bureau of Engineering has been considerably broadened during the past fiscal year. Heretofore most of the work was performed for the Bureau of Engineering but arrangements have been perfected whereby any department of the City government can have photographs made at cost by the Engineer's photographer.

The photographic laboratory has been installed in specially designed quarters on the roof the new City Hall. Equipment of the latest type has been added and the results obtained have proven that the policy of the City doing its own photographic work is economical.

The great advantage that accrues to the City from having this bureau is that plans of contemplated improvements can be safeguarded better than if the work were done by outside photographers.

# City Attorney's Report

San Francisco, Cal., August 1, 1916.

Hon. James Rolph, Jr.,

Mayor of the City and County of San Francisco.

Sir:—

In compliance with the requirements of Section 9, Article XVI of the Charter of the City and County of San Francisco, I have the honor to submit the following as my report as City Attorney for the fiscal year, 1915-16.

PERCY V. LONG.

## FOREWORD.

In presenting this my Annual Report as City Attorney for the fiscal year 1915-16, I want to express to the entire staff of the City Attorney's office my appreciation and gratitude for their loyal support and intelligent and efficient assistance rendered not only during the past fiscal year, but during the many years of my incumbency of the office of City Attorney. It is with great regret I sever my relations with the City government, and with a sense of keen personal loss do I leave my office associates who have given the City and County of San Francisco such splendid service.

PERCY V. LONG.

August 5, 1916.

## RATE LITIGATION.

During the last fiscal year an immense amount of work has devolved upon the City Attorney's office in the trial and preparation for trial of rate cases.

There were pending, during this year, in the Federal Court, eight cases brought by the Spring Valley Water Company against the city to enjoin water rates; three cases brought by the Pacific Gas & Electric Company to enjoin gas rates; one case brought by the same company to enjoin electric rates; and one case brought by the Pacific Telephone & Telegraph Company to enjoin telephone rates. There were also pending, in the Railroad Commission, four applications filed by direction of the Board of Supervisors requesting the Railroad Commission to fix the rates to be charged for the future by each of the four utilities just mentioned, that is, water, gas, electric and telephone.

The present status of the litigation is as follows:

Eight water cases have been consolidated and tried, and the argument will be completed within a few weeks. The application for reduction of gas rates, of the Railroad Commission, has been tried so far as the city's side of the case is concerned, and this will also be submitted within a very short time. The remaining cases are ready for trial, and will be taken up as fast as the Court and Commission calendars permits, the necessary preparation on the part of the city having been practically completed for the gas cases, and in the course of completion for the others.

The magnitude and importance of this litigation warrants a discussion in a little further detail.

## SPRING VALLEY WATER RATE CASE.

The Spring Valley cases in the District Court involve the constitutionality of water rates passed by the Supervisors for the years 1907-8 to 1914-15, inclusive.

Each year the Company has applied to the federal court and obtained a temporary restraining order enjoining the enforcement of the water-rate ordinance passed by the Board of Supervisors for that year, and the excess money over the rates collected under authority of the federal court was impounded in various banks in the city and held subject to the order of the court, pending final decision.

Owing to no less than three determined attempts made by the municipal government and the Spring Valley Water Company during the years from 1909 to 1915, inclusive, to adjust their differences, settle these cases, and transfer the Company's property to the City at a stipulated price, the actual trial of the cases had been postponed from time to time with the thought in mind that the City would thereby be saved the enormous expense incident to this class of litigation. With the final decision of the people, in April, 1915, not to buy the Spring Valley properties at the price which had been submitted to them immediate steps were taken to press the rate litigation to trial, and all eight cases were consolidated for this purpose. The trial opened on July 15, 1915, before Hon. H. M. Wright,



Master in Chancery in the U. S. District Court, and continued without interruption until May 5, 1916. Seventy-two days were actually consumed in court; 83 witnesses testified; 11,179 pages of transcript constitute the record to date, in addition to which 230 exhibits, composed principally of maps, records, computations, etc., were filed.

The trial of these cases involved the valuation for rate-fixing purposes of the entire Spring Valley properties. This, in turn, necessitated the appraisal by real estate experts of 78,426 acres of land, varying in character from city lots, reservoir sites, country villas, farm lands and stock ranges. In addition to that engineering testimony was taken as to the value of the structures of the Company involving about 10,000 items which may be generally classified under the head of concrete dams and structures; earth dams; flumes; wrought-iron pipe; submarine pipe; cast-iron pipe; brickwork; tunnels; pumping stations; buildings; distribution reservoirs; and appurtenant miscellaneous structures of every kind and description.

The total valuation claimed by the Company's witnesses ranged from forty millions to 43,600,000. The valuation which Messrs. Dillman and Ellis sought to substantiate for the City after deducting property not necessary for present use was approximately twenty-two millions (\$22,000,000). These figures give some idea of the diversity of opinion as to the rate basis to be used.

In addition to that a careful audit was made of the Company's income, operating expenses, taxes and reserves for the eight years in controversy by special accountants employed by this office, and deductions for expenditures not properly chargeable to the San Francisco rate payers were claimed, varying in amount from \$22,000 for the year 1907-8 to \$191,000 for the year 1912-13. This examination was in itself a stupendous task and involved practically two years of work on the part of Mr. Bailache and his assistants. Still other witnesses testified as to the value of the Company's water right; the proper rate of return to be allowed; classification of structures and lands not necessary for immediate use in supplying water.

It is needless to say that the labor of presenting a case involving such a wide range of technical evidence in the examination of so many expert witnesses was an arduous task as well as an expensive one. The total cost to the city for the year 1915-16, of this water-rate litigation was \$58,473.00, practically all of which is accounted for in the payment of engineering and other expert witness fees, and the court costs.

A temporary department under the jurisdiction of this office, known as the valuation department, was created to handle the computation, drafting, stenographic, and general supervisory work incidental to the trial of these rate cases, and great economy has been effected through the concentration of all this work under one head. The total expense which has just been stated was less than one-fourth of the amount expended by the Spring Valley Water Company during the same period of time. Notwithstanding this wide discrepancy the City Attorney's office feels that the City's side of the case has been adequately presented. Over two millions of dollars are impounded awaiting the determination of these cases and, if the City is successful, will be distributed to the rate payers. The importance of an adequate presentation can thus be well understood.

#### GAS CASE.

No less important in its purpose, although much less expensive and laborious a task, was the presentation of the City's case before the Railroad Commission on application for reduction of the Company's rates in this City.

By direction of the Board of Supervisors, the City Attorney filed an application with the Railroad Commission, on the first day of which they took jurisdic-

diction under the new law over the matter of rate fixing in this City and County, thus obtaining the right of way over the subsequently-filed applications of other municipalities.

A complete appraisal of the Gas property of the Pacific Gas & Electric Co. was made, and an audit of their books extending over several years. As a result of this examination, the City has presented a case showing that a considerable reduction should be made in the present gas rates. All of the work of this case was handled by the valuation department above referred to, and it was unnecessary to engage any outside engineers, the appraisal of gas properties being, as a general proposition, a much simpler task than that of appraising water works. A reduction of ten cents a thousand from the present rates charged would mean a saving to the gas rate payers of nearly \$400,000 annually. The total expense of this case was only \$4,244.

#### ELECTRICAL AND TELEPHONE CASES.

Owing to the pressure of the other litigation and the congestion of the federal court calendar resulting therefrom, it was impossible to make any progress in the trial of the Electric and Telephone cases during the current fiscal year. Preparation for trial of the same has, nevertheless, progressed through the efforts of the Valuation Department, and a large amount of preliminary checking of quantities and record costs has been made. The total expense of this branch of the work was only \$1,045.00.

#### FUTURE.

An appropriation of \$15,000 has been made by the Supervisors to carry this rate litigation forward during the fiscal year 1916-17, and the City Attorney's office anticipates during this year to practically complete the trial of these cases. Although they all require careful preparation and expert testimony none of the other cases involve anything like the expense or work in preparation that has been necessary in the water case. Of course the desirability of preventing a high court valuation on the water-works property has emphasized the necessity of an adequate presentation of that case from the city's point of view because of the effect such a valuation might have upon a future purchase price.

#### REPORT OF COSTS, JULY 1, 1915, TO JUNE 30, 1916, INCLUSIVE.

Spring Valley Water Case, before U. S. Court; Pacific Gas & Electric, (Gas Case) before California Railroad Commission, and Engineering Expenses in connection with Electric and Telephone investigation.

This account made up from demands paid by City during the above period, the total amount being \$63,764.10, and detailed as follows:

#### SPRING VALLEY WATER CASE.

Engineering, Valuation Dept. ....	7,616.86	
Accounting, Valuation Dept. ....	2,136.00	
Stenographic, Typing, etc. ....	3,208.00	
Stationery and Misc. Supplies.....	1,039.79	
		14,000.65
Special and Court		
Expert Structural Engineers.....	17,721.87	
Real Estate Appraisals.....	9,627.90	
Water Rights .....	5,010.55	
Right of Way.....	1,087.70	
		33,448.02

## CITY ATTORNEY

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U. S. Court costs and fees.....	11,025.15
Total Spring Valley Case.....	58,473.82

## PACIFIC GAS &amp; ELECT. (Gas Case)

Engineering, Valuation Dept. ....	1,425.00	
Accounting, Valuation Dept. ....	1,645.00	
Steno., Typing, etc. ....	513.50	
		3,583.50
Special and Court		
Expert Structural Engineers .....	390.00	
Real Estate Appraisals .....	250.00	
R. R. Commission Expense.....	20.85	
		660.85
		4,244.35

## ELECTRIC AND TELEPHONE ENGINEERING.

Total .....	1,045.93
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## SUMMARY.

Spring Valley Water Case.....	58,473.82
Pacific Gas & Elect. (Gas Case).....	4,244.35
Electric & Telephone Engineering.....	1,045.93
Total,—July 1, 1915, to June 30, 1916, Inc.....	63,764.10

UNITED RAILROADS OF SAN FRANCISCO VS. CITY AND COUNTY OF  
SAN FRANCISCO. SUTTER STREET RAILWAY COMPANY VS.  
CITY AND COUNTY OF SAN FRANCISCO.

On May 26th, 1915, the United Railroads of San Francisco and the Sutter Street Railway of San Francisco began independent actions to enjoin the C and D cars of the Municipal Railway from operating on Market Street between Kearny and Embarcadero and around the Loop.

The Superior Court issued an order to the City and County of San Francisco commanding the City and County to show cause why, pending the final determination of the action, an injunction pendente lite should not issue.

On July 6th, 1915, the Superior Court after hearing the order to show cause made an order granting an injunction pendente lite in both actions enjoining the City from operating the C and D lines on Market Street between Kearny and Embarcadero and around the Loop. These injunctions coming as they did in the midst of the P. P. I. E. would have seriously crippled the transportation facilities to the Exposition. Thereafter motion was made to the Superior Court for an order staying the operation of the injunction, pending an appeal to the Supreme Court of the orders granting the injunction pendente lite and on July 20th, 1915, the Superior Court made such an order. Thereafter, the Companies made an application to the Supreme Court for a writ of prohibition prohibiting the Superior Court from making the orders staying the operation of the injunctions pendente lite.

On August 5th, 1915, the Supreme Court granted the writ of prohibition and on August 7th, 1915, an appeal was taken from the orders granting the temporary injunctions.

Immediately the Companies secured orders to show cause why the Mayor, the Members of the Board of Public Works and the Superintendent of the Municipal Railway should not be punished for contempt for operating the C and D lines on Market Street during the time that the orders of the Superior Court staying the operation of the injunction were in effect.

A lengthy trial ensued and on September 14th, 1915, the Superior Court discharged the orders to show cause as to the Mayor and the Members of the Board of Public Works and adjudged the Superintendent of the Municipal Railway guilty of technical contempt. The Court in that proceeding held however that the appeal from the orders granting the injunction stayed the operations of the injunctions on the ground that the injunctions were mandatory in effect.

On September 20th, the Companies again made an application to the Court for an order to show cause why the Mayor, the Members of the Board of Public Works and the Superintendent of the Municipal Railway should not be punished for contempt for having operated the C and D lines on Market Street after the appeal from the orders had been taken. The Court refused to issue the orders to show cause upon the ground that the injunctions were mandatory in effect and the appeal stayed the same.

On September 16th, 1915, upon application made by the Companies, the Supreme Court issued an alternative writ of mandate to the Superior Court which in effect ordered the Court to show cause why the Court should not issue the orders to show cause why the Mayor, the Board of Public Works and the Superintendent of Municipal Railway should not be punished for contempt in having operated the C and D lines on Market Street after the appeal had been taken from the orders granting the injunctions.

Pending the determination of the Supreme Court on a writ of mandate, the trial of the case on its merits took place before Department 1 of the Superior Court and on December 17th, 1915, judgment was ordered for the plaintiff, the United Railroads of San Francisco, enjoining the City from using the outer loop on the Embarcadero in the operation of the C and D lines and dissolving the injunction so far as it enjoined the City from operating the C and D lines on Market Street to the Embarcadero and gave judgment in favor of the City against the Sutter Street Railway and dissolving the temporary injunction issued in that case.

On February 9th, 1916, the Supreme Court ordered the writ of mandate as prayed for by the Companies commanding the Superior Court to issue the orders to show cause why the Mayor, the Members of the Board of Public Works and Superintendent of Municipal Railways should not be punished for contempt in having operated the C and D lines on Market Street during the time that the appeal from the orders granting the injunction was pending and overruled the ruling of the Superior Court of the City and County of San Francisco that the injunctions were mandatory.

On February 9th, 1916, the judgment was entered in favor of the United Railroads and immediately thereafter the City made application to the Harbor Commissioners for permission to operate the C and D lines around the loop, the judgment as already pointed out, only enjoining the City from the use of the tracks owned by the United Railroads on the Embarcadero. The Embarcadero is under the exclusive jurisdiction of the Harbor Commissioners and after hearing, the Harbor Commissioners revised the license under which the United Railroads was using the outer loop so as to permit the City to use the outer loop in conjunction with the United Railroads upon the City paying a just proportion of the cost of the tracks and appurtenances owned by the United Railroads. Pending the hearing, the United Railroads consented that the C and D cars might operate on Market Street and around the loop. The cars had continuously operated up to the date of the signing of the judgment in the case of the United Railroads vs. City and County of San Francisco when their operation was discontinued.

The consent of the United Railroads that the cars be permitted to operate around the outer loop pending the application made by the City to the Harbor Commissioners was received within three days after the cars ceased to operate and immediately thereafter the cars resumed operation.

Upon the order being made by the Harbor Commissioners the litigation between the City and the Companies was discontinued and the C and D cars are now operating on Market Street and around the outer loop in accordance with the license granted by the Harbor Commissioners. The cars ceased to operate only three days during litigation.

Between May 26th, 1915, and February 15th, 1916, practically the entire time was consumed in trials in court under the various features of the case as they arose. There was the trial on the order to show cause why the injunction should not be issued; the trial upon the application of the order staying the operation of the injunction, pending the appeal; the trial on orders to show cause why the Mayor, the Board of Public Works and Superintendent of Municipal Railways should not be punished for contempt; the trial in the Supreme Court upon application of the companies for the writ of prohibition; the actual trial of the case upon its merits and the trial in the Supreme Court again upon the application of the Companies for the writ of mandate compelling the Superior Court to issue the orders to show cause why the Mayor, Members of the Board of Public Works and the Superintendent of Municipal Railways should not be punished for contempt.

#### SUIT TO QUIET TITLE TO THE PROPERTIES OF THE CITY AND COUNTY OF SAN FRANCISCO LOCATED WITHIN ITS BOUNDARIES.

On the seventh day of June, 1916, Judge Cabannis signed the decree in the case of the "City and County vs. All Persons, No. 27011, Quiet Title Department".

This case was commenced in December, 1909, to quiet title to all the real property then owned by the City and County of San Francisco. This action is the same as that taken by private owners of property to insure the validity of their titles after the destruction of records in 1906, and it was of prime importance to the City to validate its title in like manner. Three hundred and ninety-four separate parcels of land were involved in the case. In most instances all records, deeds, etc., were destroyed in the fire of 1906. Each parcel had to be checked up from such old maps and block books as could be obtained, and compared and rechecked by the City Engineer's office. Some of this examination disclosed fatal errors in the description of several lots after suit was filed, and a new complaint covering this class of lots is now in course of preparation by this office.

Evidence was taken in Court on each separate piece of land to which the City claimed title, and, as the case was heard at odd times by the Court, the decree could not be obtained before the present time.

The decree on file quiets the City's title to land valued by the Assessor at \$62,164,375.

By the procuring of this decree the City has effectually safeguarded its title to the various parcels of land owned by it from all attack in the Courts, and has terminated a case which involved a vast amount of intricate detail and difficulty.

#### SAN CHRISTINA TAX LITIGATION.

There have been a vast number of suits brought for the recovery of taxes paid under protest. These actions generally involve the validity of taxes levied over the dollar limit prescribed by the Charter. The first case to be brought to trial on the facts is entitled "San Christina Investment Company against the City and County of San Francisco," No. 35773, which is now pending before

Superior Judge Seawell of this City and County. This is for the recovery of taxes paid under protest for the fiscal year 1910-1911.

Being the first case tried out on the facts, it has been considered of very great importance, as it is in the nature of a test suit for that year.

The trial commenced on Nov. 29th, 1915, and extended over a period of some five months, allowing, however, for certain intermissions. The record of the testimony taken is made up of some 3000 typewritten pages. The testimony has all been introduced on both sides, and will be argued and finally submitted to the Court after the summer recess has terminated. Although there are some sixty-seven cases pending for the same fiscal year, involving claims in the amount of approximately \$320,000, all of which more or less depend upon a correct termination of the San Christina case, this office was able to make a final presentation to the Superior Court of the facts at a cost of less than \$4,000.

This was particularly gratifying when it is remembered that the case involved the validity of an excess levy of 29 cents to take care of conditions brought about by the earthquake and fire of 1906 with reference to, first, streets, sewers and public buildings; second, Fire Department Buildings and Equipment; third, Police Department Buildings and Equipment; fourth, School Buildings and Equipment; and fifth, Sanitation conditions. That is, this entire range of conditions as existing at the beginning of the fiscal year 1910-1911, and as brought about by the fire and earthquake of 1906, had to be made clear to the court.

This office feels particularly grateful to the different City Departments, to officials and employees, as well as to former City Officials and employees who were with the city at the time of the fire and up to 1910-11, for a most intelligent, accurate and complete presentation of the facts pertinent to the issues in this litigation.

A Charter Amendment adopted in 1915 has done much to vest additional power in the Board of Supervisors, so that the City will not face actions of this character in the future.

#### INDUSTRIAL ACCIDENTS

The adoption of the Workmen's Compensation Act, which became effective on January 1, 1914, has up to the present given rise to a remarkably small amount of litigation. This is doubtless due to the fact that the Board of Supervisors and the various Departments of the Municipal Government have treated claims for compensation with a liberality in keeping with the spirit of the Act. While approving heartily of the purpose of this Act and its beneficial effect upon the employee and the public service, it has nevertheless been the practice of this office in every case referred to it in which the facts were doubtful or disputed, or the right to compensation not clearly shown, to advise that the claim for compensation be rejected and the applicant left to his remedy by application to the Industrial Accident Commission. The procedure before this Commission is so simple and inexpensive that it is freely accessible to claimants, and by requiring them to resort to it in every case of the slightest doubt the City and County is secured from the danger of paying any unauthorized or improper claims and at the same time the rights of the employees are fully preserved.

In these cases before the Industrial Accident Commission the applicants as a rule are not represented by an attorney, and in such cases it has been the practice of this office to endeavor to place all the facts, those in favor of the applicant as well as those against him, before the Commission, to the end that complete justice might be done in every case.

During the fiscal year six applications for compensation against the City and County have been filed with the Industrial Accident Commission. Of these two have been decided in favor of, and two against, the City and County of San Francisco. The other two are still pending and undecided.

## SUITS TO RECOVER TAXES PAID UNDER PROTEST.

In the year 1905 actions were brought by E. P. Connelly, and other persons, against the City and County of San Francisco to recover various sums of money paid to the City and County of San Francisco under protest as taxes included in the general tax levy made by the Supervisors of the City and County for the fiscal year ending June 30, 1905. The grounds of complaint were that the general tax levy for that year provided for a fund for the payment of principal and interest of certain municipal bonds ordered issued but which, at the time of the levy, were either unsold or have not been contracted for and further, that the general tax levy contained an item for the purpose of raising money for the payment of interest and to constitute a sinking fund for certain bonds known as "Telegraph Hill Bonds", which said bonds had not carried at an election held therefor. A bond election had been held on September 29, 1903. At this election all of the bonds voted for were carried except bonds for the improvement of Telegraph Hill, for the construction of Twin Peaks Tunnel and the acquisition of land for St. Mary's Square.

The complaining taxpayers paid such portion of their taxes as related to the above subjects under protest and also filed with the Board of Supervisors verified claims for the return of the portion of taxes claimed to be unlawful and brought their action under Sections 3819 and 3804 of the Political Code to recover the amount of the taxes so protested.

Under the authority of *Law vs. City and County of San Francisco*, 144 Cal. 396, it was held that the Telegraph Hill Improvement Bonds had not been carried by the people and that the levy of a tax to provide for the interest and sinking fund for such bonds was void. Also that a municipality is authorized to levy a tax only for those bonds which have either been sold or contracted for and so have become an obligation of the City, and that a tax levied for the payment of the interest on redemption of bonds which have not been sold or contracted to be sold at the time that the tax levy is made is unlawful.

It was further held that Section 3819 of the Political Code is not limited in its application to attacks upon the assessment, but that under the authority of said section, a tax-payer may attack the tax levy.

The Connelly case is reported in 164 Cal. at page 101. Following the lead of the Connelly case various taxpayers, upon grounds similar to these outlined above, protested the payment of a portion of their taxes for the fiscal year 1905-06. As a result of the decision in the Connelly case a large number of judgments were entered against the City and County of San Francisco in the Superior Court and paid. Sixty-three separate actions were commenced similar to the Connelly case involving the sum of \$99,580.80, out of which cases judgments in the sum of \$96,127.04 have been paid by the City.

No complaint was made of the ordinance fixing the tax levy for the year 1906-07, but in the following year the ordinance fixing the tax was attacked upon various grounds by a large number of taxpayers. The issues involved were determined in the case of *Josselyn vs. City and County of San Francisco*, which is reported in 168 Cal. 436. After trial in the Superior Court, in which judgment was rendered in favor of the plaintiff on two of plaintiff's contentions and against him on the third ground, appeals were taken by both parties to the Supreme Court, wherein it was held:

1. That the question of the existence of the emergency such as warrants the suspension of the "dollar limit" of taxation as fixed by Section 11, Chapter I, Article III of the Charter of the City and County of San Francisco, is one of fact and the determination by the Board of Supervisors of said City and County of the existence of such emergency is not final and conclusive upon the courts.
2. That the ordinance declaring the existence of a great public necessity and emergency was void because no such necessity or emergency existed and the special

levy of \$720,000 attempted to be raised thereby for the repair, sprinkling and sweeping of streets and for the increase of salaries of teachers in the primary and grammar schools constituted no such great necessity or emergency of the kind and character as was contemplated by the provisions of Section 13, Chapter I of Article III of the Charter, and further, that the budget item of \$720,000 attempted to have been raised within the dollar limit for the purpose of constructing a public utility, to-wit, the Geary Street Railway, was invalid for the reason that the Supervisors had not proceeded in the manner set forth under Article XII of the Charter for the acquisition and construction of a public utility.

In this case the City raised the question that a large part of the tax involved was for purely county purposes as distinguished from municipal purposes and that the limitation prescribed in Section 11, Chapter I of Article III of the Charter did not apply to taxes imposed for county purposes. The court, however, held that the language of the Charter contradicted this theory and that taxes for county purposes were not excepted from the dollar limitation contained therein and that if the limitation referred to was not intended to be applied to taxes for county purposes that intention would have been expressed and the exception would have been inserted with the others enumerated therein. In this particular the court assumed and it was not questioned but that the Charter framers had the power and right to limit the rate of taxation for both municipal and county purposes to one dollar on each one hundred dollars assessed valuation.

The Josselyn case was the test case upon which was determined fifty-five similar cases, containing the same issues, and in which cases claims for the refund of taxes in the sum of \$345,296.98 were involved.

In the case of James Otis, etc. v. City and County of San Francisco, 170 Cal. 98, the general questions were the same as those considered and determined by the Josselyn case. The one additional point to be determined by the court was one of procedure.

The City claimed that a taxpayer had no right to bring his action for the recovery of taxes paid to it and claimed to have been illegal under the provisions of Section 3804 of the Political Code until the Board of Supervisors had rejected the claim for repayment of taxes. However, the Supreme Court held that the Board of Supervisors' failure to act upon the claim within a reasonable time warranted the taxpayer in taking the position that the claim was rejected and in bringing his suit against the City and County for the recovery of the illegal tax. In this case, as in the Josselyn case, judgment went against the City.

For the fiscal years 1908-09 and 1909-10 no attacks were made upon the tax levy by taxpayers. However, commencing with the fiscal year 1910-11 a very considerable number of suits were filed against the City and County to recover taxes paid under protest and claimed to have been illegally levied by the Board of Supervisors under an unlawful suspension of the dollar limit of taxation contained in Section 11 of Chapter I of Article III of the Charter.

The facts recited in the ordinance as constituting a "great necessity and emergency" were attacked by the taxpayers on the ground that the same did not in law constitute such a "great necessity or emergency" as was contemplated by the provisions of the Charter above referred to. The City strongly contended that the determination of the Board of Supervisors of the existence of a "great necessity or emergency" in the ordinance was conclusive upon the courts. This question was determined in the case of San Christina, etc., vs. San Francisco, reported in 167 Cal. at page 762 contrary to the City's position, wherein it was held that the existence or non-existence of a great necessity or emergency justifying the temporary suspension of the "dollar limit" of taxation is a question of fact and a finding of the existence of such fact is a prerequisite to the right of the Supervisors to suspend the limit, but their determination of the question is not final, but is subject to review by the courts.



In determining this question the court held that when the power or jurisdiction of an inferior legislative tribunal is made to depend upon the existence of a fact, its determination of the fact is not conclusive unless declared to be so in express terms or by necessary implication and that if so declared to be conclusive the declaration or finding can operate to bind the citizen whose property is affected thereby only in the event that at some stage of the proceedings the property owner shall have been afforded an opportunity to be heard on the question—in short, shall have had his day in court.

The court proceeded to define the meaning of the word "great" as applied to emergency as being a necessity or emergency of grave character and serious moment. It further defined the "emergency" as meaning "an unforeseen occurrence or combination of circumstances which calls for an immediate action or remedy; pressing necessity and exigency".

A further minor point was determined to the effect that the language of the Charter which states that the "dollar limit" of taxation could be suspended in case of great necessity or emergency only "by the unanimous vote of the Supervisors as not requiring for such suspension the unanimous vote of all the Supervisors constituting the Board, but only the unanimous vote of all of the Supervisors who were actually present at the meeting".

The appeal in the San Christina case above cited was by the taxpayers from an order of the Superior Court sustaining a general demurrer to the complaint. The Supreme Court reversed the lower court and directed that the demurrer be overruled and the City allowed to answer. In conformity with the decision of the Supreme Court the City filed its answer in the Superior Court and the case was tried during the latter part of the year 1915 and the first half of the year 1916. Volumes of evidence were introduced by both sides in an endeavor to show, first, on the City's part the existence of conditions which constituted in law a great necessity and emergency, and on the plaintiff's part every endeavor was put forth to offset this and to establish the fact that the great emergency or necessity created by the earthquake and fire of 1906 and the other facts set forth in the ordinance suspending the dollar limit had long since been met by previous tax levies and so had ceased to exist. At the present time, while all the evidence of both parties is in, the case has not been argued.

Pending the outcome and final determination of the San Christina case there are some one hundred cases in which the same points have been raised, aggregating claims in the sum of \$572,098.50.

Similar attacks have been made upon the ordinances suspending the dollar limit of taxation for the fiscal years 1911-12, 1912-13, 1913-14 and 1914-15. A test case has been made of the tax levy for 1911-12 and subsequent years, including 1914-15, by the case of Alexander Keyes vs. City and County of San Francisco. In the latter case the City has raised the following additional points to those heretofore determined in the cases outlined above:

1. That the language of the Charter authorizing the suspension of the dollar limit is alternative and permits the suspension in the case of either a great necessity or a great emergency and that the failure of the existence of a great emergency does not carry with it or preclude the existence of such a great necessity as the charter framers intended, but authorizes the suspension of the dollar limit.
2. That to recover taxes paid under protest the presentation of a demand to the Board of Supervisors for the repayment of the tax is a necessary prerequisite to the commencement of an action against the City for the recovery of taxes.
3. That the provisions of Sections 3804 and 3819 of the Political Code do not offer a remedy for taxpayers to recover taxes paid to a municipality and the Charter of the City and County of San Francisco makes no provision for the repayment of taxes paid to said municipality under protest or for its recovery thereof when so paid.

4. That the dollar limitation of taxation provided for in Section 11 of Chapter I of Article III of the Charter, above referred to, is purely a municipal limitation and that the charter framers had no authority under the Constitution of the State of California to place a limitation upon taxes for county purposes and that until the taxes for municipal purposes only exceeded the dollar limitation no complaint could be made by the taxpayers.

The determination of these points involved many minor propositions that are interesting but cannot be set forth here in detail.

The Keyes case is now pending in the District Court of Appeal of the State of California, Third Appellate District, and other cases involving the same points are under submission in the Superior Court of the State of California in and for the City and County of San Francisco on briefs. Nine hundred cases involving taxes for the fiscal years 1911-12, 1912-13, 1913-14, 1914-15, have been filed against the City, and the amount of taxes involved in these cases is approximately \$1,176,404.30.

Owing to a charter amendment adopted by the people of the City and County of San Francisco which was approved by the Legislature on April 1, 1915, wherein greater latitude was allowed the Board of Supervisors in removing the dollar limitation, no attack was made on the tax levy of 1915-16.

#### MUNICIPAL RAILWAYS.

In the report of this office for the preceding fiscal year the scope, magnitude and departmental procedure of claims work and litigation arising out of the operation of the Municipal Railways was fully set forth and explained.

There has been little or no change in the departmental procedure since that time, but the volume of work has steadily increased. As against fifteen hundred accidents investigated and acted upon during the fiscal year 1914-1915, there were 1884 for the present fiscal year. This period includes the last six months of the world's fair year which is probably the main cause of the increased number of accidents, and which means that there will probably be a decrease in the number of accidents during the coming fiscal year.

Out of the 1884 accidents which occurred during the past fiscal year of which reports were filed and investigation made but 321 claims for damages were presented against the City—a large number of claims, but a small percentage compared with the number of accidents. Of the 321 claims filed during the fiscal year 119 were settled on account of the City's liability for negligence causing the accidents where the damages were sustained. Twelve thousand dollars in all was expended in settling claims and of this amount over four thousand was expended in settlement of claims arising out of a serious accident at Steiner and Union Streets, due to a collision between two Municipal Railway cars. The two cars were crowded with visitors to the Exposition and a number of people were more or less badly injured. Considering the circumstances of the accident the City was very fortunate that more damage was not done. Through the efforts of the Claims Department and this office, all demands of claimants injured in said accident were settled without the necessity and expense of litigation, and at a figure fair to both the claimant and the City.

The policy pursued by this office is to avoid, if possible, the folly and expense of contentious litigation, in an honest endeavor to settle fairly all claims where it appears a liability exists against the City. Of course, cases arise where the City and the claimants finally differ as to the facts of an accident, the one disaffirming and the other affirming liability. There have also been a few cases where the amounts claimed in way of settlement were exorbitant. Under these circumstances the only alternative on the part of the City is to disaffirm liability, which action usually results in litigation. As a result of the policy pursued, there has not been

a great deal of litigation. During the fiscal year there were instituted against the City twenty actions for damages arising out of accidents on the Municipal Railways. Of this number six have been determined in favor of the City, seven have been settled, and the remaining seven are pending and ready for trial. It will be noted that there was not a single adverse judgment.

There is added to this report the table below which is interesting from a statistical point of view.

## MUNICIPAL RAILWAYS, FISCAL YEAR ENDING JUNE 30TH, 1916.

## CLAIMS DEPARTMENT.

Total number Passengers carried during year.....	47,886,784
Car Miles Operated .....	6,358,543
Accident Reports filed and investigated.....	1,884
Total number Accidents.....	9
Personal injuries .....	666
Claims adjusted .....	119
Suits instituted .....	20
Decided in City's favor.....	6
Pending .....	7
Settled .....	7
Passengers carried per accident.....	25,417
Passengers carried per personal injuries accident.....	71,902
Passengers carried per fatal accidents.....	5,320,754

## CLASSIFICATION AND PERCENTAGE OF VARIOUS KINDS OF ACCIDENTS.

		Ratio
Car Collisions.....	96	.0509
Auto and Wagon.....	1014	.53
Boarding Car .....	193	.1024
Leaving Car .....	164	.0870
Miscellaneous .....	417	.2213
	<hr/>	
	1884	

## AMOUNTS PAID ACCORDING TO CLASS OF ACCIDENTS.

62 Personal Injuries .....	\$11,059.50
32 Automobile .....	615.15
11 Wagons and Vehicles.....	192.80
9 Wearing Apparel .....	52.00
4 Miscellaneous .....	165.75

## ISLAIS CREEK DISTRICT STREETS.

With the intention of providing a commercial district in the Islais Creek section of the City, the City and County cooperated with the owners of the property in said section and closed portions of Newcomb, La Salle, Kirkwood, Innes, Hudson, Galvez, Fairfax and Davidson Avenues, and Selby, Mississippi, Missouri, Arkansas, Wisconsin, Carolina, De Haro, Rhode Island, Kansas, Vermont, Orleans, Mazzini, Tulare, Napoleon and Texas Streets, and all of Luck Street, all of Bourbon Street, all of Biggs Street, and all of Upton Street. Evans Street, Jerrold Avenue, Potrero Avenue and Napoleon Street were opened, widened and extended.

Following the proceedings prescribed by the Charter in the matter of the closing of the above streets the City and County of San Francisco by deed executed by the Mayor and the Clerk of the Board of Supervisors under Act of 1911, authorizing such conveyance, conveyed to the owners of the adjacent property, namely: the Ocean Shore Railroad Company, the Western Pacific Railroad Company, the Southern Pacific Company, the California Pacific Title Insurance Company, the California Glue Works, Miller and Lux, San Francisco and Fresno Land Company, Henry Feige and E. W. Newell. In consideration of said deeds the City and County received deeds for the land embraced in the new streets opened in lieu of said closed or abandoned streets.

Under the arrangement as made between the City and the owners of the property concerned in the transaction, the territory embraced from approximately Army Street on the north, the line of the Southern Pacific cut-off on the east, McKinnon Avenue and Jerrold Avenue on the south, to San Bruno Avenue on the west, including the extension of Potrero Avenue from the line of what was formerly Serpentine Avenue to San Bruno Avenue, has been made available for commercial purposes. At the same time titles to streets which have been obscured for many years have been straightened out.

#### LINCOLN PARK BOULEVARD.

The Panama Pacific International Exposition Company committed itself to the payment of \$56,000 for the construction of a proposed boulevard running through the property of the John Brickell Company, lying approximately between 27th Avenue and West Clay Street and westerly to a subdivision known as the Bakers Beach Land Company.

The City for its part purchased for about \$50,000 a strip of land extending approximately from 31st Avenue if produced westerly to the easterly line of Lincoln Park.

The plan agreed upon contemplated the dedication of a strip of land by the John Brickell Company, lying approximately, as before stated, between 27th Avenue and West Clay Street and the Bakers Beach Land Company. Of the sum of \$56,000, to be paid by the Panama Pacific International Exposition Company, the John Brickell Company received \$45,000, and for that sum said company paved the strip of land dedicated by it to the City. The John Brickell Company, in addition, dedicated to the City, as a part of West Clay Street, a parcel of land jutting out from the southerly side of said street easterly from 27th Avenue.

The work on said boulevard is now completed, providing the City with a boulevard extending from the westerly termination of West Clay Street to and through Lincoln Park, and linking up with the boulevard constructed by the United States Government through the Presidio.

#### SUNSET STREETS.

The City Attorney's office attended to the details in the matter of closing of portions of 10th, 11th and 12th Avenues and Rivera Street in the Sunset District, lying between Quintara Street on the north, the easterly boundary of the Sunset District on the east, Santiago Street on the south and 13th Avenue on the west, and the opening of new streets in lieu thereof; the reason for the change being that the old streets were originally laid out without any reference to the topographical conditions existing in that locality. The highest point in said section being 745 feet above the city base and the streets being laid out at right angles to each other, the grades were of such a character that it would be impossible to utilize the property for any purpose. As a result of the change the property can be developed for residential purposes and progress is being made at the present time to that end, thus opening up a new tract for improvement.

## NEW SUBDIVISIONS.

Under the State law, whenever a new subdivision is contemplated to be opened, it is necessary that a map thereof be filed in the Recorder's office after approval by the Board of Public Works and the Board of Supervisors, and after certificates being endorsed thereon that the taxes have been paid, or that a bond to secure the taxes has been filed in the office of the Board of Supervisors in the amount fixed by said Board.

Every such map, before being recorded, must pass the inspection of the City Attorney's office, and this office has approved the maps, among many others, of Forest Hill, Forest Hill Court, Pacific Terraces No. 1, Claremont Court, Balboa Park, St. Francis Wood, Crocker Amazon Tract, Glenn Park Tract and Ingleside Terraces.

## PORTOLA DRIVE.

The City Attorney's office attended to the details of straightening the lines of Portola Drive, formerly known as Corbett Avenue, and widening the same to a width of seventy feet from Sloat Boulevard to the westerly line of Stanford Heights. This work necessitated the closing of Corbett Avenue and the obtaining of deeds from the owners of adjoining property, namely: the Residential Development Company, Westgate Park Company, C. A. Hawkins and Alfred L. Meyerstein, and in deeding by the City and County of San Francisco of about nine small parcels of land outside of the lines of Portola Drive as widened and straightened.

Portola Drive is now improved with an asphalt pavement, forty feet in width, and concrete curbs for its entire length between said points. The city paid for half of this improvement and the property owners the remaining portion.

The City Attorney obtained from the owners of the property on Corbett Avenue from Twenty-fourth Avenue to the westerly line of Stanford Heights deeds for sufficient land to widen and straighten out the dangerous curves on said Avenue so that it would be of the same width as Portola Drive. This property was deeded to the City without cost.

The City paved a strip twenty feet wide on said Avenue, thus completing a boulevard, which extends in conjunction with the new Sloat Boulevard, from Twenty-fourth Street to the Ocean Beach.

## TWIN PEAKS BOULEVARD.

The City and County of San Francisco is the owner of a piece of property purchased from Wells Fargo & Company consisting of about 29 acres, out of the money received from the sale of the property in the Almshouse tract. This property lies between the Sunset District and the westerly side of the Almshouse road. The Almshouse property sold by the city brought in the sum of \$110,000 and the property acquired from Wells Fargo & Company was purchased for \$78,550. In addition thereto the City is the owner of the property surrounding the Twin Peaks Reservoir. Between said properties of the City lie Twin Peaks owned by Wells Fargo and Company.

The City and County purchased from Wells Fargo & Company, the Twin Peaks and the property surrounding the same to the extent of 10.51 acres. In addition thereto, the City purchased from the same Company 3.23 acres for road purposes and the owners of the property formerly known as the Collamore Tract and Mrs. Mary L. Craig have deeded to the City and County the land necessary for the continuance of the Twin Peaks Boulevard through their several properties and the City and County has constructed a boulevard above with asphalt forty feet wide, with a scenic strip fifty feet in width along the same ensuring a per-

petual panoramic view of the City, Bay, Ocean and surrounding counties from Burnett Avenue and Altamont Street on the north joining with the boulevard around Twin Peaks, connecting with Portola Drive.

#### BAY VIEW PARK.

On the 17th of November, 1914, the Crocker Estate Company, the Bay View Land Company and Henry A. Crane offered to dedicate to the City and County of San Francisco for use and purpose as a public park lands owned by them lying northwesterly from the city property known as the Detention Hospital site near the southern boundary line of the City and County, the land offered by said owners consisting of about 17 acres, on the condition that the lands now owned by the City and County, known as the Detention Hospital site, be set apart for park purposes. The Detention Hospital site comprises 8 acres and the offer of the said owners gave to the City and County a park 25 acres in extent.

In addition to the land offered for park purposes said owners dedicated to the City land for road purposes, providing means of ingress and egress to and from said park.

The offer so made was accepted by the Board of Supervisors and a survey of the property involved has been made by the City Engineer's office, with a detailed description of each and every parcel. Deeds conveying said property to the city have been recorded.

During the period from June, 1915, to the time of the rendition of this report, the City and County purchased property for various purposes, namely: Hawthorne School.

The property of Henry C. Barner—East line of Shotwell, 237 feet south of 22nd St.

From the purpose of extending Silver Avenue.

Property of Jessie H. Brann—S. W. Quesada 372.55 S. E. of Rankin Street; also the same owner S. W. Shafter 132.05 ft. S. E. of Rankin.

Helen Brennan, S. W. Revere St. 252.30 ft. S. E. of Rankin; W. W. Wilson, 100 ft. S. W. Shafter and 100 ft. S. E. Rankin.

Islais Creek Sewer.

The property of the estate of Razzo described as follows:

"All that certain lot of land situate in the City and County of San Francisco aforesaid and designated on a certain map entitled "West End Map No. 1" by the following bounds, to wit: Northwesterly by West Lake Avenue; southeasterly by East Lake Avenue; Northeasterly by Lake Geneva and Southwesterly by Mount Vernon Avenue as said Lake and Avenues, respectively, are laid down on said map."

Tiscornia and Ventre—N. E. Geneva Avenue 548.91 N. W. Herron.

Stefano Ventre—N. W. Cayuga 99 S. W. Oneida St.

For the Widening of Geary Street.

The property of Geo. A. Newhall, N. E. 40th and Geary; N. E. 41st and Geary; N. E. 43rd and Pt. Lobos Ave.; N. W. 43rd and Pt. Lobos Ave.

For the purposes of the Municipal line on Church Street.

The property of Jessie M. Fraser and husband; Geo. F. Lyon, Thomas H. Griffin, Helen Herr and Jane Herr; Charles Morrice, Catherine Determann, Geo. J. Swable and wife, Edward O'Day, Mary Quinton, Annie Miley, August Sandell and wife, Ella M. Mulhaupt and L. H., D. J., J. F., M. A. Smyth and M. O'Connor, Martin D. Coghlan, B. A. Reagan.

Hancock School.

The property of B. E. Berger—W. Taylor 60 ft. N. Filbert St.

For the purpose of opening Fifteenth Street.

The property of Margaret Gattering described as follows:

"Beginning at a point formed by the intersection of the southerly line of Fifteenth Street with the northeasterly line of Block No. 8, Flint Tract, which point is about 258.454 feet westerly of Castro Street; thence northwesterly 39.637 feet to the northerly corner of Lot No. 19, in said Block No. 8; thence southwest 41.77 feet; thence southeast 57.58 feet to beginning."

For the Balboa School.

Property of Stuart F. Smith described as follows:

Beginning at a point on the northeasterly line of Seneca Avenue, distant thereon 237 feet northwesterly from the point formed by the intersection of the northeasterly line of Seneca Avenue with the northwesterly line of Delano Avenue; and running thence northeasterly parallel with Delano Avenue 30 feet; thence at right angles northwesterly 116 feet and  $8\frac{1}{2}$  inches to San Jose Avenue; thence southwesterly along San Jose Avenue 30 feet and  $2\frac{3}{4}$  inches to Seneca Avenue; thence southeasterly 120 feet and 6 inches along Seneca Avenue to beginning."

For the Adams School.

Property of William and Louisa M. John, described as follows:

"BEGINNING at a point on the southerly line of Ellis Street, distant thereon 137 feet and 6 inches westerly from the point formed by the intersection of the southerly line of Ellis Street with the westerly line of Polk Street; running thence westerly along said line of Ellis Street 55 feet by right angles southerly 120 feet."

And also the property of Mary Pauba, incompetent, owner under condemnation proceedings, decree recorded in the Recorder's office Jan. 12, 1916. The property is described as follows:

"Beginning at a point on the southerly line of Ellis Street, distant thereon 192 feet and 6 inches westerly from the point formed by the intersection of the southerly line on Ellis Street with the westerly line of Polk Street; and running thence westerly along said line of Ellis Street 27 feet and 6 inches by right angles southerly 120 feet."

For the Bernal School.

Property of Patrick Broderick and wife, deed recorded Sept. 24th, 1915, and the property is described as follows:

"Beginning at a point on the southerly line of San Jose Avenue, thirty (30) feet at right angles northeasterly of Seneca Avenue; thence along San Jose Avenue to a point 161.30 feet southwesterly of Oneida Avenue; thence southeasterly parallel with Oneida Avenue 90.47 feet; thence at right angles southwesterly parallel with Delano Avenue to a point distant at right angles northeasterly 30 feet from Seneca Avenue; thence at right angles northwesterly to beginning."

Property of Henry Van Hofen and Madeline Von Hofen, his wife, recorded Oct. 18, 1915, described as follows:

"Lot No. 587, Gift Map No. 2, being West of Banks Street 225 feet north of Tompkins Avenue; north 25 feet x 70 feet."

Property of Michael J. Coffey and Mary Coffey, his wife, deed recorded October 14, 1915. Property described as follows:

"Lots Nos. 589 and 591, Gift Map No. 2, being West of Banks Street 175 feet North of Tompkins Avenue; north 50 feet x 70 feet."

Property of Giorgio Virga and Frank R. Webb, deed recorded October 18, 1915; property described as follows:

"Lot No. 593, Gift Map No. 2, being West of Banks Street 150 feet North of Tompkins Avenue; north 25 feet x 70 feet."

Property of Giorgia Virga and Giovanni Tomassello, deed recorded October 19, 1915; property described as follows:

"Lot No. 595, Gift Map No. 2, being West of Banks Street 125 feet North of Tompkins Street; north 25 feet x 70 feet."

Property of Josephine and Jacob Przyborowski, deed recorded October 21, 1915; property described as follows:

"Lot No. 592, Gift Map No. 2, being East of Folsom Street 150 feet North of Tompkins Avenue; North 25 feet x 70 feet."

Also, property of Clarence E. Weikert, described as follows:

"Lots Nos. 586 and 588, Gift Map No. 2, being East of Folsom Street 200 feet North of Tompkins Avenue; north 50 feet x 70 feet."

Property of James Farren and Albert G. Sala, described as follows:

"Lot No. 590, Gift Map No. 2, being East of Folsom Street 175 feet North of Tompkins Avenue; north 25 feet x 70 feet."

Property of Martin Hanson, described as follows:

"Lot No. 594, Gift Map No. 2, being East of Folsom Street 125 feet North of Tompkins Avenue; north 25 feet by 70 feet."

Property of Henry R. Williams, Sr. and Henry R. Williams, Jr., described as follows:

"Northeast Tompkins Avenue and Folsom Street; north 125 feet x 140 feet."

For Fire Department Purposes.

Property of Ramon M. Aguirre, described as follows:

"Beginning at a point on the easterly line of Powell Street, distant thereon 91 feet southerly from the point formed by the intersection of the easterly line of Powell Street with the southerly line of Broadway; running thence southerly along said line of Powell Street 46 feet and 6 inches; thence at a right angle easterly 98 feet and 6 inches; thence at a right angle northerly 40 feet and 8 inches; thence at a right angle westerly 3 feet and 6 inches; thence at a right angle northerly 5 feet and 10 inches; thence at a right angle westerly 95 feet."

Daniel Webster School.

Property of Belle Brooks Reis, Gustav Reis, and John Reis, deed recorded January 26, 1916; property described as follows:

"Beginning at the northwesterly corner of Twentieth and Texas Streets; west 120 feet x by 125 ft."

Also, property of Julia U. Miser, formerly Julia U. Sutherland and J. E. Miser, her husband, dated June 8, 1916, recorded July 13, 1916, at 4:21 o'clock P. M., Liber 926 Deeds page 329; property described as follows:

"West Texas Street 125 feet North Twentieth Street, North 25 feet x West 100 feet. Being portion of Potrero Nuevo Block No. 267."

Property of Albert Johnson and Genevieve Johnson, his wife, by deed July 6, 1916, recorded July 22, 1916, at 11:06 o'clock A. M., Liber 923 Deeds page 389; property described as follows:

"West Texas Street 150 feet North Twentieth Street, North 25 feet x West 100 feet. Being portion of Potrero Nuevo Block No. 267."

Property of Charles M. Young, by deed, dated June 22, 1916, recorded July 22, 1916, at 11:07 o'clock A. M. Liber 923 Deeds page 390; property described as follows:

"West Texas Street 125 feet South Nineteenth Street, South 25 feet x West 100 feet. Being portion of Potrero Nuevo Block No 267.



Property of Marie Canteleu Erickson, formerly Marie Canteleu, by deed June 21, 1916, recorded June 29, 1916, at 1:13 o'clock P. M., Liber 939 Deeds page 220; property described as follows:

"East Missouri Street 125 feet South Nineteenth Street, South 25 feet x East 100 feet. Being portion of Potrero Nuevo Block No. 267."

Property of Hugh G. Hamilton and Sarah H. Hamilton, his wife, by deed June 8, 1916, recorded June 29, 1916, at 1:14 o'clock P. M., Liber 925 Deeds page 261; property described as follows:

"North East Twentieth and Missouri Streets, North 100 feet x East 100 feet. Being portion of Potrero Nuevo Block No. 267."

Property of Adolf W. Hultgren and Hilda Hultgren, his wife, by deed dated June 23, 1916, recorded June 29, 1916, at 1:15 o'clock P. M., Liber 925 Deeds page 262; property described as follows:

"East Missouri Street 150 feet South Nineteenth Street, South 25 feet x East 100 feet. Being portion of Potrero Nuevo Block No. 267."

Property of Patrick Howard, by deed dated June 2, 1916, recorded June 29, 1916, at 1:16 o'clock P. M., Liber 925 Deeds page 263; property described as follows:

"West Texas Street 175 feet North Twentieth Street, North 50 feet x West 100 feet. Being portion of Potrero Nuevo Block No. 267."

Property of James Stewart and Grace Stewart, his wife, as tenants in common of equal undivided shares described as follows:

"East Missouri Street 150 feet North Twentieth Street, North 25 feet x East 100 feet. Being portion of Potrero Nuevo Block No. 267."

Property of Stuart F. Smith and D. J. Counihan, deed recorded January 17, 1916; property described as follows:

"Beginning at a point on the easterly line of Mission Street, distant thereon 100 feet northerly from the point formed by the intersection of the easterly line of Mission Street with the northerly line of Twentieth Street; and running thence northerly along said line of Mission Street 50 feet by right angles easterly 100 feet."

Also, property

"Beginning at a point on the easterly line of Mission Street, distant thereon 175 feet northerly from the point formed by the intersection of the easterly line of Mission Street with the northerly line of Twentieth Street; and running thence northerly along said line of Twentieth Street 50 feet by right angles easterly 100 feet."

#### Miscellaneous.

Properties of T. F. Allford—N. W. Eagle Street and Mona Street.

Property of F. Lovotti—North line of Eagle Street 89 $\frac{3}{4}$  feet west of Mona Street.

Property of J. C. Dober—West of Mona Street 67 feet 11 $\frac{1}{2}$  inches north of Eagle Street.

Property of S. Lambert—Hyde and Larkin Streets.

#### RIGHTS OF WAY FOR HETCH HETCHY PROJECT.

On the 11th day of August, 1915, this office received a communication from Mr. M. M. O'Shaughnessy, City Engineer, requesting the appointment of a Right of Way Agent to secure the necessary rights of way for the Hetch Hetchy Railroad and other property in connection with the Hetch Hetchy Water Project.

After consultation with the City Engineer and the Board of Supervisors, Mr. Joseph J. Phillips was selected for this work. Mr. Phillips is a man who has had considerable experience in making appraisals and purchasing property for the

City in the past and is familiar with the necessary procedure. The work was commenced on the 28th day of August, 1915.

The railroad rights of way extend over a distance of sixty-seven miles, about thirty miles of which is private property, the remaining being government land. Many unexpected difficulties presented themselves during the acquisition of these rights of way. Not only were many of the owners scattered all over the State of California and throughout the country as far east as New York, but the ownership of the land was vested in diverse ways, such as Homestead Entries, Patented Agricultural lands, Patented Quartz and Placer Mining Claims, and located unpatented Quartz and Placer Mining claims, Townsite lands in the case of Groveland and Big Oak Flat, and Indian Reservation lands. In one place for a distance of about one and one-half miles the road follows the right of way purchased by another Railroad Company for its own line.

With reference to that portion of the right of way, traversing Indian Reservation land, the Secretary of the Interior issued a temporary permit through the Indian Land Office on March 17, 1916, granting permission to the City to construct its railroad through the lands in question pending the issuing of a deed. This permit was obtained upon depositing with the Special Indian Agent a sum approximately twice as large as the estimated value of the land to be taken. Deeds are now in course of preparation in the Indian Land Office and will shortly be received, conveying the necessary portions of these Indian lands to the City. Upon delivery of these deeds, the difference between the amount of the deposit and the value as fixed by the Indian Office will be refunded to the City.

The securing of the Indian Lands in this manner was greatly facilitated through the efforts of our Washington representative, Mr. R. Woodland Gates. These portions of the right of way would have otherwise been particularly difficult to obtain because of the great number of bureaus in the Interior Department having jurisdiction over Indian Affairs, making definite results through correspondence practically impossible.

In projecting this railroad line it often happened that, to avoid expensive filling and cutting, valuable property had to be severed, damaged or destroyed. In one case the road made a deep cut between a residence and its outlying barn and garden. In another instance a large barn in a mountain pass was removed from the line of the railroad.

A special arrangement was entered into with the Sonora Abstract and Title Company, by which a search of titles of all the property to be acquired was made at a reduced price. This search involved many difficulties, owing to the fact that the railroad line followed and crossed the Mother Lode at several points. Thus many mining claims were affected, and, while it was comparatively easy to locate the patented claims, it was extremely difficult to trace the unpatented mines, especially since the United States does not require very definite descriptions until final applications for patents are made.

In the case of that portion of the line which follows the right of way heretofore acquired by the Yosemite Short Line between Jacksonville and Stevens Bar Bridge a price has been agreed upon, but a friendly condemnation suit will be necessary to secure a proper title.

Aside from this litigation, up to the date of filing this report, it has been found necessary to institute but two suits in condemnation, both of them through mining properties. It is expected that these suits will be brought to trial very shortly and the properties acquired. Certain owners of a patented Placer Mining claim on the Tuolumne River against whom one of the condemnation suits above referred to had been commenced secured a restraining order to prevent the City from proceeding with the railroad construction and sought to permanently enjoin the City from proceeding with its work on their property. They also endeavored to set up a technical defense against the City's right to condemn. These matters

were argued before Judge Nicol of the Superior Court of Tuolumne County. He has rendered a decision sustaining in every particular the right of the City to condemn all property necessary for its Hetch Hetchy project in Tuolumne County and has dismissed the restraining order and refused to issue the injunction against the City constructing the railroad at this point.

The right of way agent employed by this office has succeeded in securing most of the land through options. These options are followed by deeds, after the title to the properties involved has been searched down to the minute of signing the deed.

In addition to the railroad rights of way, this office has secured an additional parcel of land necessary for the regulating reservoir near Priest's and several parcels of land necessary in connection with the aqueduct work.

In connection with the field work this office has developed an index and filing system by which the status of any piece of land as well as its location on the railroad line may be found instantly. This is done by means of files, indices and maps, which are constantly kept up to date. A system of payment for the lands has also been devised, by means of which the office is kept constantly in touch with the movements and work of the agent in the field.

The system of acquiring lands for the use of the City outside its corporate limits has been perfected during the past year, and the office is fully prepared to take over the work of acquiring the rights of way for the aqueduct from the Hetch Hetchy Valley to the City, plans for which are now being prepared.

During the prosecution of this work, it was found necessary to apply to the State Railroad Commission for permits for eleven grade crossings, all of which applications have been granted.

In connection with the work of acquiring these lands for the City's railway, this office desires to acknowledge its indebtedness to Mr. M. M. O'Shaughnessy, City Engineer, and his able corps of assistants, who have rendered this office every assistance possible. This earnest co-operation greatly facilitated the work of this office, and speaks well for the economical handling of like problems which must of necessity present themselves in the future development of this great project.

#### HETCH HETCHY MUNICIPAL WATER SUPPLY.

The service necessary to fully protect the rights acquired by the City and County of San Francisco both by purchase and by reason of the Congressional grant is so important that I believe special mention is warranted.

The city has invested a large sum of money in the Hetch Hetchy project which sum is being increased daily as the work of development progresses. Ultimately the outlay will be fully \$50,000,000, which will give the city a plant worth many millions more.

So far, the litigation over this project has not been of a serious character and the cases have been few in number. However, in order that the development shall not be halted, this office has devoted much time and energy in cooperating with the City Engineer in aid of his plans.

When it is remembered that Los Angeles in constructing the Owens River system maintained a special legal department with a staff of seven lawyers, while this office without any increase in office staff since 1910 has carried on this work without extra assistance other than a representative in Washington to follow matters through the departments, it would seem that some saving to the taxpayers has resulted. It is obvious that a project of this magnitude involving so many different relations requires most careful and intelligent service of a character not easily understood or appreciated by the general public. At a day not far distant, the volume of this work will become so great that more assistants will be necessary to give the service demanded.

There has been continued under the immediate direction of the City Attorney's office the studies referred to in my last year's report in connection with the duty of water in the Tuolumne River. This is a most scientific and exhaustive investigation in connection with the rights and needs of the Modesto and Turlock irrigation districts whose interests are recognized and protected by our Hetch Hetchy grant. In my opinion, this examination both for the past and the present year's irrigation season will constitute the most thorough and accurate study that has ever been made of these conditions. The results thus far obtained have been compiled in a report made to this office and an additional report for the present irrigation season will also be prepared.

Another very important branch of the Hetch Hetchy work has been a careful examination by the city of any and all applications made by private persons and corporations with the Department of the Interior or the Department of Agriculture for power projects, etc., in the National Park or Forest which may conflict with the City's project. This office, in conjunction with the City Engineer's office, has filed several formal protests against certain of these applications which are still pending. A hearing of considerable importance on one of these applications by the Yosemite Power Company for reservoir site rights at Poopenaut Valley just below Hetch Hetchy was held before the Secretary of the Interior at Washington, D. C., in January, 1916, at which hearing the City was represented by the City Attorney and the City Engineer. This matter has been submitted to the Secretary for decision.

Under the terms of the Congressional Grant of December 19, 1913, the City is required to file maps for the approval of the Secretary of the Interior, within a period of three years from the passage of the said Act, showing the complete Hetch Hetchy project within the Yosemite National Park, Stanislaus National Forest and over all public lands. These maps must be filed for reservoir sites, aqueduct lines, power house sites, road construction work, etc.

It has therefore been necessary for this office, in cooperation with the City Engineer's office, to prepare the necessary data for filing such maps and field notes accompanying the same, in accordance with departmental rules and regulations, in order that the terms of the grant shall be strictly complied with.

During the fiscal year 1915-16, the following applications have been so filed and approved by the Department of the Interior:

Amended map showing location of Lake Eleanor reservoir site within the boundaries of Yosemite National Park (Sacramento Serial Number 08108—approved Dec. 27, 1915).

Map showing location of tunnel aqueduct line between Cherry Valley and Hetch Hetchy Valley within the boundaries of Stanislaus National Forest (Sacramento Serial Number 08109, approved Dec. 27, 1915).

Map showing location of tunnel aqueduct T. 1 S. R. 16 E., M. D. B. & M. (Sacramento Serial Number 08110). This was approved just prior to the beginning of this fiscal year, that is, on June 1st, 1915.

Application for location of transportation road for conveying materials to Hetch Hetchy dam, being westerly continuation of Sacramento serial number 07492, approved July 23, 1914. That is, it is a westerly continuation within the boundaries of the Stanislaus National Forest, and extending the transportation road to the westerly boundary of the Forest (Sacramento Serial No. 08374, approved Oct. 12, 1915).

Application for transportation road through public and patented lands and Indian reservation. This is a westerly continuation of the last above transportation road application. Its serial number is 08415. It continues the road to Priest's reservoir and was approved, except as to the Indian lands, on Oct. 15, 1915.

With reference to the Indian land portion of this transportation road, the Secretary of the Interior, upon application of this office, issued a temporary permit on March 17th, 1916, granting the City permission to construct its railroad line through the lands in question upon the depositing with the special Indian agent of approximately twice the estimated value of the land so taken. This permit was issued under these conditions, and deed conveying the land in fee to the City are now in course of preparation by the Indian land office.

Plans explanatory of the City's proposed Hetch Hetchy dam construction work covering the location,

- 1st: Of a permanent dam;
- 2nd: Of a temporary dam;
- 3rd: Existing and proposed trails to Lake Eleanor, Till Till, Rancheria, and Little Hetch Hetchy;
- 4th: Proposed bridge over the upper level of the Lake;
- 5th: Bridge at the diversion dam for the public convenience during construction operations.

(Approved by Assistant Secretary Mather, Aug. 13, 1915.)

Application for westerly continuation of the last above transportation road (Sacramento Serial Number 08415), being a road running generally from Priest's regulating reservoir westerly to Red Mountain Bar on the Tuolumne River, this being the second application outside of the forest and continuing generally the Forest application (Sacramento Serial No. 08677, approved Oct. 12, 1915).

Application for location of transportation road in Ts. 1 and 2 S., Ranges 13 and 14 E, M. D. B. and M., westerly continuation of the last above Sacramento Serial Number No. 08677. This extends the transportation road from Red Mountain Bar to Rosasco (Sacramento Serial No. 08906, approved Jan. 4, 1916).

Application for location of Lower Cherry dam site, aqueduct and power plant (Sacramento Serial No. 09487, approved June 22nd, 1916).

Application for location of Priest Regulating Reservoir on Hetch Hetchy Aqueduct (Sacramento Serial Number 09559, approved June 22nd, 1916).

The above, along with applications filed in the previous year and described in my last year's annual report, and those still to be filed during the coming fiscal year, will embrace the entire Hetch Hetchy project in detail from the Hetch Hetchy Valley to the City. The last of these filings must, under the terms of the Congressional Grant, be made by the City on or before the 19th day of December of this year, 1916.

#### OPINIONS RENDERED TO VARIOUS DEPARTMENTS.

July 1, 1915—June 30, 1916.

##### ASSESSOR.

June 15, 1916.—Concerning the assessment of money in the hands of the Receiver of the Western Pacific.

##### AUDITOR.

July 6, 1915.—Advising that Police Patrol salaries and maintenance are payable out of the General Fund.

July 27, 1915.—Advising that certain extra positions in the Assessor's office were lawfully created.

Oct. 28, 1915.—Advising that per diem employees are entitled to vacations.

Jan. 8, 1916.—Advising that validity of appointment of Manager of Auditorium by Board of Public Works must be determined by the character of his duties.

Jan. 12, 1916.—Advising that certain demands for the purchase of land for the Daniel Webster School are valid.

March 10, 1916.—Advising that the Civil Service Commission may fix the salaries of special examiners and investigators.

March 10, 1916.—Advising that the Supervisors may allow the Supply Committee to incur expenses.

April 11, 1916.—Advising that the claims of Maxwell and Layden for back salaries as Assistant Chiefs in the Fire Department are valid.

#### CHIEF OF POLICE.

March 15, 1916.—Advising that an ordinance requiring report of engine numbers from persons altering or repainting motor vehicles would be valid.

#### CITY ENGINEER.

June 3, 1916.—Concerning the grades on Harrison Street between Spear and Beale and on Main between Folsom and Bryant.

#### CIVIL SERVICE COMMISSION.

Aug. 16, 1915.—Advising that John J. Whelan is entitled to a position in the County Clerk's office.

Aug. 16, 1915.—Advising that C. W. Madsen is entitled to a preference for appointment as motorman on the Municipal road.

Oct. 20, 1915.—Advising that suspension of plumbing inspector for 18 months is illegal.

June 3, 1916.—Advising that the Civil Service Commission may inquire into the qualifications of the druggist at the County Jail.

June 29, 1916.—Advising that certain vacations for per diem men under the Board of Public Works are legal.

#### ELECTION COMMISSIONERS, BOARD OF

Dec. 28, 1915.—Concerning the registration of party affiliation of voters.

#### FIRE COMMISSIONERS.

July 12, 1915.—Advising that the appointment of a probationer in the Fire Department without posting notice in accordance with a rule of the Department is not regular.

Feb. 18, 1916.—Advising that motor vehicles used exclusively for Fire Department business are exempt from license under the Motor Vehicle Act.

#### FIRE PENSION FUND COMMISSIONERS, BOARD OF

Aug. 20, 1915.—Advising that the twenty-five year service pension in the Fire Department requires continuous service.

## HEALTH, BOARD OF

Feb. 15, 1916.—Advising that if nurse contracts typhoid fever in the course of, and arising out of, her employment she is entitled to compensation.

Feb. 18, 1916.—Advising that Section 171, Ordinance No. 615, is too vague to be given any interpretation.

May 26, 1916.—Advising that City is not liable for negligence of ambulance drivers.

## HEALTH OFFICER.

Sept. 16, 1915.—Interpreting the words "rendering or reducing" in Ordinance No. 822.

## MAYOR.

May 16, 1916.—Advising that the Municipal Railroad may be extended across Golden Gate Park.

## PARK COMMISSIONERS, BOARD OF

Sept. 1, 1915.—Advising that municipal railway may run through Mission Park.

April 11, 1916.—Advising that money received from the State from taxes on automobiles may be used to improve the Great Highway.

## POLICE COMMISSIONERS, BOARD OF

July 19, 1915.—Advising that former Officers McPhee and Taylor are no longer members of the Police Department.

July 28, 1915.—Advising that if facts are the same application of one Miller for permit to conduct second-hand store should be granted on authority of Franklin v. Woods, et al.

Sept. 2, 1915.—Advising that State Law regulating private detectives and detective agencies supersedes Ordinance No. 453 (N. S.).

April 21, 1916.—Advising that Section 21 of Ordinance No. 3212 (N. S.) does not give Police Department general power to prevent the operation of jitney buses on Market Street between Sixth and the Embarcadero.

## PUBLIC WORKS, BOARD OF

July 23, 1915.—Advising that where team and driver are hired to City hirer may be required to insure driver against Industrial accident.

August 7, 1915.—Concerning the issuance of certificates of credits for grading on private survey.

August 11, 1915.—Advising that cemetery property is not assessable for public improvements.

August 18, 1915.—Advising that the regrading of Hayes Street between Steiner and Scott is not a public contract requiring the United Railroads to pay \$3.00 per day.

Aug. 30, 1915.—Concerning Emmet Place pending the action of Mandonnet v. City and County, et al.

Sept. 4, 1915.—Advising that the issuance of deeds to purchasers at delinquent sales is compulsory after twelve months under Art. VI, Chap. III, Sec. 14 of the Charter.

Sept. 3, 1915.—Concerning the removal of obstructions on Stark Street.

Oct. 14, 1915.—Advising that extension of time on Municipal contracts granted after time has expired is legal.

Oct. 29, 1915.—Advising that service connection at county line municipal water works must hereafter be made free of charge.

Nov. 19, 1915.—Advising that the assessment for the improvement of the crossing of Randall and Whitney Streets is regular and valid.

Nov. 19, 1915.—Advising that the assessment for work done on Bemis Street between Miguel and Mateo is regular and valid; and that the Street Improvement ordinance is constitutional.

Dec. 2, 1915.—Advising that the United Railroads has a right to install a track connection at Haight and Masonic.

Dec. 3, 1915.—Advising that Blackwood Street is a public street.

Dec. 8, 1915.—Advising that certain property is not a part of Stark Street.

April 3, 1916.—Advising that Supervisors should make contracts for hiring buggies, and horseshoeing.

May 5, 1916.—Concerning the official grades of Harrison Street.

June 26, 1916.—Advising that Leroy Place is a public street.

#### SHERIFF.

Dec. 30, 1915.—Advising that civil service standing of Edward M. Greene depends on question of fact to be determined by Civil Service Commission.

#### SUPERVISORS, BOARD OF

July 26, 1915.—Advising as to liability of City under Workmen's Compensation Act to father of deceased employee, and manner of making lump sum settlements.

Aug. 20, 1915.—Concerning the liability for the cost of street work in a part of Geary Street.

Sept. 17, 1915.—Advising that a proposed ordinance attempting to limit the powers of the Board of Health in dealing with Diphtheria carriers was in conflict with State law.

Sept. 21, 1915.—Advising that the exchange of certain lands in the manner set forth would be legal.

Nov. 8, 1915.—Advising that Supervisors cannot reduce amount of assessment for street work done under Ordinance No. 2439 (N. S.).

Dec. 30, 1915.—Advising as to the power of Supervisors to regulate moving pictures.

Dec. 30, 1915.—Concerning the claim of Harry E. Grant for Medical Services under Workmen's Compensation Act.

Jan. 3, 1916.—Advising that under the terms of the lease of Market Place and the Produce Exchange Lots either the City or the lessee may require a new valuation each year.

Jan. 22, 1916.—Advising that the civil service provisions of the Charter apply to the office of the Board of Supervisors; and that the occupants of the positions of chief assistant clerk and assistant clerk may not be interchanged.

Feb. 17, 1916.—Concerning the abandonment of its franchise on Ocean Avenue by the United Railroads.

Feb. 25, 1916.—Advising that the right of a contractor to be paid for street work does not depend upon the acceptance of the street by the Supervisors.

Feb. 24, 1916.—Concerning the rights of power and lighting companies to use the streets.



Feb. 28, 1916.—Advising that a stable erected prior to the passage of Ordinance No. 334 (N. S.) may properly be maintained although within 50 feet of a residence.

Mar. 13, 1916.—Advising that the right of the manager of the Auditorium appointed by the Board of Public Works to receive his salary cannot be affected by any action of the Board of Supervisors.

Mar. 14, 1916.—Advising that the Supervisors are without power to pass a resolution limiting employment on public works to citizens and residents of San Francisco.

Mar. 29, 1916.—Concerning proposed amendment to moving picture ordinance.

April 12, 1916.—Advising that there is no legal objection to granting petition of Ocean Shore Railroad to rearrange its tracks and buildings on Howard Street.

April 19, 1916.—Concerning a proposed agreement between City and the United Railroads concerning the Church Street line.

April 20, 1916.—Advising that the Supervisors cannot refund to property owners money paid under private street contracts.

May 15, 1916.—Concerning the control of funds by the various departments.

May 22, 1916.—Concerning the appointment of Inspectors of Supplies.

June 7, 1916.—Advising that a purchaser at a void tax sale must ask for a refund in three years.

June 16, 1916.—Advising that City is not liable for negligent management of fire apparatus.

June 23, 1916.—Advising that certain sub-contracts in use by F. Rolandi in constructing the Hetch Hetchy Railroad are not inimical to the interests of the City.

June 23, 1916.—Advising that City is not liable for certain damages to property of Harrison Corporation by the overflow of water.

June 23, 1916.—Advising that City is not liable for injuries to Mrs. J. H. Harvey.

June 23, 1916.—Advising that the Vacation Ordinance does not benefit copyists in the Recorder's office.

#### TAX COLLECTOR.

Mar. 27, 1916.—Advising that ticket sellers must pay monthly license.

June 16, 1916.—Interpreting a portion of Section 3897, Political Code.

#### TREASURER.

Jan. 28, 1916.—Advising that Act 127 of the General Laws of California does not prohibit the employment of aliens by contractors with City.

#### RECAPITULATION OF ACTIONS PENDING AND DETERMINED, FROM JULY 1, 1915, TO JUNE 30, 1916.

##### ACTIONS DETERMINED.

Injunctions against Board of Health.....	22	
Injunctions against City and County of San Francisco.....	4	
Injunctions against Board of Public Works.....	5	
In favor of City or its officers.....		31
Against City or its officers.....		0
Mandamus against City and County of San Francisco.....	1	
Mandamus against Auditor.....	4	

Mandamus against Board of Education.....	1		
Mandamus against Election Commission.....	4		
Mandamus against Police Commission .....	1		
Mandamus against Tax Collector.....	1		
In favor of City or its officers.....		9	
Against City or its officers.....			6
Condemnation Suits .....	15		
In favor of City or its officers.....		15	
Against City or its officers.....			0
Actions for Personal Injuries.....	14		
In favor of City or its officers.....		14	
Against City or its officers.....			0
Actions to Quiet Title.....	3		
In favor of City or its officers.....		1	
Against City or its officers.....			2
Action before the State Board of Equalization.....	1		
In favor of City or its officers.....		1	
Against City or its officers.....			0
Actions before the Industrial Accident Commission.....	4		
In favor of City or its officers.....		2	
Against City or its officers.....			2
Actions to Recover Damages for Goods Alleged to have been destroyed by mob.....	6		
In favor of City or its officers.....		6	
Against City or its officers.....			0
Miscellaneous .....	15		
In favor of City or its officers.....		15	
Against City or its officers.....			0
Total number of actions determined in favor of City or its officers .....		94	
Against City or its officers.....			10
			<hr/>
Total number of actions determined.....		104	

## ACTIONS PENDING.

Injunctions against Board of Health.....	12
Injunctions against City and County of San Francisco.....	24
Injunctions against Board of Public Works.....	9
Injunction against Police Commission.....	1
Injunction against Fire Commission.....	1
Injunction against Civil Service Commission.....	4
Injunction against Tax Collector.....	1
Mandamus against City and County of San Francisco.....	3
Mandamus against Auditor .....	7
Mandamus against Board of Education.....	2
Mandamus against Board of Health.....	1
Mandamus against Police Commission .....	3
Mandamus against Civil Service Commission.....	3
Mandamus against Mayor .....	1
Mandamus against Tax Collector.....	1
Mandamus against Treasurer.....	1

Condemnation Suits .....	9
Actions to Declare Tunnel Assessment Void.....	18
Actions for damages by reason of tunnel construction.....	6
Actions for Personal Injuries.....	15
Actions to Quiet Title.....	13
Actions Before Industrial Accident Commission.....	2
Actions Before Railroad Commission.....	4
Actions to recover taxes paid under protest.....	1052
Actions in the Superior Court of Tuolumne County.....	7
Miscellaneous .....	51
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Total number of Actions Pending.....	1110

# Report of Justices' Courts

San Francisco, Cal., July 25, 1916.

To the Hon. James Rolph, Jr.,

Mayor of the City and County of San Francisco, State of California.

Pursuant to the provisions of Section 9 of Article XVI of the Charter of the City and County of San Francisco, I herewith submit the following report of the receipts and disbursements of the Justices' Courts and Clerks' Office for the fiscal year ending June 30, 1916.

Respectfully submitted,

ROBERT W. DENNIS,  
Justices' Clerk.

## RECEIPTS.

1915—July .....	\$ 2,600.50
August .....	2,762.00
September .....	2,920.25
October .....	3,124.50
November .....	2,858.50
December .....	2,780.00
1916—January .....	2,524.25
February .....	2,737.00
March .....	3,155.00
April .....	2,484.75
May .....	2,802.75
June .....	3,015.00
Total .....	<u>\$33,764.00</u>
2,637 Trials at \$3 each.....	\$ 7,911.00
2,038 Defaults at \$2 each.....	4,076.00
361 Appeals at \$1 each.....	361.00
10,203 Complaints at \$2 each.....	20,406.00
Sundries .....	1,010.00
Total .....	<u>\$33,764.00</u>

## SPECIAL DEPOSIT FUND.

Balance on hand July 1st, 1915.....	\$ 969.44	
1915		
July .....	Receipts \$ 927.25 .....	Disbursements \$ 774.50
August .....	610.60 .....	553.50
September .....	42.29 .....	230.80
October .....	749.55 .....	1,221.98
November .....	910.90 .....	712.80
December .....	1,061.79 .....	829.95
1916		
January .....	404.05 .....	608.65
February .....	137.60 .....	218.54
March .....	1,997.62 .....	653.75
April .....	932.05 .....	1,849.17
May .....	483.50 .....	869.55
June .....	461.32 .....	276.95
Totals .....	<u>\$8,718.52</u> .....	<u>\$8,799.94</u>
Balance July 1, 1916.....	969.44	
Total .....	<u>\$9,687.96</u>	
Disbursed .....	8,799.94	
Balance July 1, 1916.....	<u>\$ 888.02</u>	
Salaries of Justices of the Peace (5 at \$4,200.00 each).....	\$20,669.25	
Salaries of Clerk and six assistants.....	12,095.30	
Total .....	<u>\$32,764.55</u>	

## JUSTICES' COURTS

	Number of Trials paid for	Number of Defaults paid for	Number of Appeals paid for	Amt. Rec'd. from Sundries	Number of Complaint paid for
1915					
July .....	188	147	37	\$ 77.50	814
August .....	224	170	17	73.00	830
September .....	220	182	35	97.25	882
October .....	255	165	36	81.50	956
November .....	262	189	34	78.50	791
December .....	234	138	29	89.00	842
1916					
January .....	184	167	27	73.25	769
February .....	209	152	33	77.00	848
March .....	244	220	34	107.00	921
April .....	219	140	32	73.75	721
May .....	185	167	25	96.25	896
June .....	213	201	22	86.00	933
Total .....	2,637	2,038	361	\$1,010.00	10,203

Total number of suits filed since June 4, 1906.....88,111  
Total number of suits restored since June 4, 1906..... 1,400

REPORT  
OF THE  
SUPERINTENDENT OF SCHOOLS  
OF  
SAN FRANCISCO, CAL.  
FOR THE FISCAL YEAR ENDING JUNE 30, 1916

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Superintendent of Schools  
ALFRED RONCOVIERI

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*Note.*—The financial data presented in this report were secured from various departments of the city and county government as herein specified in foot-notes, and are here presented without further verification by the Superintendent of Schools.

## SCHOOL CALENDAR FOR BOTH DAY AND EVENING SCHOOLS 1915-1916.

## Fall Term, 1915—

July 26 to August 27 (Aug. 16-20, N. E. A. vacation).....	20	days
Aug. 30 to Sept. 24 (Sept. 6, Labor Day; Sept. 9, Admission Day; Sept. 10, Holiday).....	17	"
Sept. 27 to Oct. 22 (Oct. 12, Columbus Day; Oct. 11, Education Day) .....	18	"
Oct. 25 to Nov. 19 (Oct. 25, ½ day, Edison day P. P. I. E.; Nov. 2, S. F. Day).....	18½	"
Nov. 22 to Dec. 17 (Nov. 25, Thanksgiving; Nov. 26, Holiday; Nov. 29 to Dec. 4, vacation, last week of P. P. I. E.; Dec. 17, ½ day) .....	12½	"
	<hr/>	
	86	days

Schools close on Dec. 17th and reopen Jan. 3d, 1916.

## Spring Term, 1916—

Jan. 3 to Jan. 28.....	20	days
Jan. 31 to Feb. 25 (Feb. 22, Washington's birthday).....	19	"
Feb. 28 to March 24.....	20	"
March 24 to May 5 (April 10 to 14, vacation; April 17 to 21, Institute; May 1, May Day).....	19	"
May 8 to June 9 (May 30, Memorial Day; June 9, ½ day).....	23½	"
	<hr/>	
	101½	days

Schools close June 9 and reopen July 31, 1916.

## SCHOOLS.

Number of High Schools, including High School of Commerce, Commercial Evening, Humboldt Evening High School, and North Beach Evening High School .....	8
Number of Grammar Schools.....	33
Number of Primary Schools.....	46
Number of Special Schools.....	3
Number of Evening Schools.....	12
Number of Intermediate Schools (Specialized Grammar).....	3
	<hr/>
Total number of schools.....	105
Number of school buildings owned by the department, Class "A".....	7
Number of brick school buildings owned by the department, "Special Construction" .....	23
Number of brick and steel school buildings owned by the department Class "C" .....	14
Number of wooden school buildings owned by the department.....	44
Number of school buildings owned by the department Class "B".....	1
	<hr/>
Total number of buildings used by the department.....	89
Total number of rooms rented by the department.....	7



PRINCIPALS AND TEACHERS EMPLOYED DURING THE YEAR ENDING  
JUNE 30, 1916.

	Principals		Teachers			
	Men	Women	Regular		Special	
			Men	Women	Men	Women
Day High Schools.....	5	0	43	57	17	28
Evening High Schools.....	3	0	11	6	21	16
Day Elementary Schools.....	8	75	11	1002		
Evening Elementary Schools..	9	2	7	31		5
Kindergartens .....						11
Schools (Evening) Home						
Economics .....						7
Domestic Science .....						18
Manual Training .....					18	
Athletics .....					9	4
Drawing .....						8
Music .....						2
Supervisor Primary Grades..						1
Substitutes in Day Schools....				86		
Substitutes in Even'g Schools				3		

## SCHOLASTIC PREPARATION OF TEACHERS.

## Number of Teachers (including Principals).

	Men	Women
Who are graduates of University of California .....	45	119
Who are graduates of Leland Stanford Jr. University.....	10	15
Who are graduates of other Universities .....	23	12
Who are graduates of other Colleges .....	16	29
Who are graduates of S. F. City Normal School or Class.....	0	376
Who are graduates of Chico State Normal School.....	2	15
Who are graduates of Los Angeles State Normal.....	1	4
Who are graduates of San Diego State Normal.....	0	0
Who are graduates of San Francisco State Normal.....	0	263
Who are graduates of San Jose State Normal.....	6	104
Who are graduates of Normal Schools of other States.....	2	24

## CERTIFICATION OF TEACHERS.

	Men	Women
Number holding certificates of High School Grade.....	85	141
Number holding certificates of Grammar School Grade.....	17	1112
Number holding certificates of Primary School Grade.....	0	21
Number holding special certificate in Bookkeeping.....	7	14
Number holding special certificate in Domestic Science.....	0	29
Number holding special certificate in Drawing (all departments)	18	15
Number holding special certificate in Languages .....	2	28
Number holding special certificate in Manual Training (all departments)	26	1
Number holding special certificate in Music .....	1	51
Number holding special certificate in Physical Culture.....	10	7
Number holding special certificate in Stenography and Typewriting	6	22
Number holding special certificate Kindergarten.....	0	11

## SUPERINTENDENT OF SCHOOLS

## VOLUMES IN SCHOOL LIBRARIES AND STOREROOM.

(Including Books for Use of Indigents.)

	Volumes	Value
High Schools, including Humboldt Evening and S. F. Com'l....	7,585	\$6,070.00
Primary and Grammar Schools.....	90,659	39,976.00
Evening Schools .....	1,700	612.00
In Storeroom .....	2,465	1,232.50

## SCHOOL VISITATION.

Official visits of Superintendent and deputies.....	5,266
Official visits by members of the Board of Education.....	2,050
Visits by other persons.....	71,818

"STATE SCHOOL ENROLLMENT" AND ATTENDANCE STATISTICS FOR  
THE YEAR ENDING JUNE 30, 1916.

## ENROLLMENT.

High Schools .....	4,664
S. F. Commercial (Evening) (See note below).....	1,504
Elementary .....	50,333
Kindergarten .....	897
Humboldt Evening High.....	2,298
Other Evening Schools.....	4,344
	<hr/>
	64,040

## AVERAGE DAILY ATTENDANCE.

High Schools .....	3,852
San Francisco Commercial (Evening) (see note below).....	*195
Elementary .....	41,301
Kindergarten .....	430
Humboldt Evening High.....	*454
Other Evening Schools.....	*630
	<hr/>
	46,862

Note:—This year, 1915-16, the San Francisco Commercial School is regarded as a high school.

## GRADUATES.

Number of graduates from the grammar school for the year:

	Day	Evening	Total
Boys .....	1334	287	1,621
Girls .....	1522	228	1,750
Totals .....			<hr/> 3,371

Number of graduates from the high schools for the year:

	Day	Evening	Total
Boys .....	179	223	402
Girls .....	254	82	336
Totals .....			<hr/> 738

\* Average daily attendance in Evening Schools is estimated on 50% basis.

## DAY GRAMMAR SCHOOL GRADUATES BY SCHOOLS.

	December, 1915		June, 1916	
	Boys	Girls	Boys	Girls
Adams .....	19	6	16	16
Bay View .....	22	15	14	21
Bernal .....	29	16	26	40
Columbia .....	20	30	12	23
Crocker .....	31	33	30	39
Denman .....	.....	15	.....	17
Everett .....	16	25	20	20
Fairmount .....	26	20	32	43
Farragut .....	6	10	7	7
Francis Scott Key.....	.....	.....	4	6
Frank McCoppin .....	13	14	18	17
Franklin .....	7	6	11	8
Fremont .....	10	8	16	11
Glen Park .....	9	10	10	17
Grant .....	7	8	22	12
Grattan .....	13	12	14	10
Hamilton .....	44	38	27	36
Hancock .....	40	34	14	18
Hearst .....	12	14	14	18
Horace Mann .....	50	53	63	115
Hunters Point .....	.....	1	.....	.....
Irving M. Scott.....	5	5	12	6
John Swett .....	27	19	21	15
James Lick .....	20	23	22	36
Jean Parker .....	.....	19	.....	22
Jefferson .....	.....	.....	1	4
Lafayette .....	5	6	1	8
Laguna Honda .....	13	28	25	22
Lincoln .....	2	3	7	3
Longfellow .....	7	11	.....	.....
Madison .....	23	13	12	18
McKinley .....	9	11	15	10
Mission .....	20	11	23	19
Monroe .....	18	20	20	30
Oriental .....	11	4	15	7
Pacific Heights .....	15	18	16	22
Portola .....	4	12	3	13
Redding .....	3	6	5	9
Rochambeau .....	12	8	13	7
Roosevelt .....	4	23	14	21
Sheridan .....	9	7	3	4
Sherman .....	4	5	12	7
Spring Valley .....	17	16	15	17
Sunnyside .....	5	2	4	2
Sutro .....	15	28	20	26
Visitacion Valley .....	.....	.....	9	11
Washington .....	26	.....	16	.....
Winfield Scott .....	3	6	5	1
Yerba Buena .....	4	6	9	10
	646	678	688	844

## RECAPITULATION.

	Boys	Girls
December, 1915 .....	646	678
June, 1916 .....	688	844
Total .....	<u>1334</u>	<u>1522</u>
Total Boys and Girls.....		2856

## \* "STATE SCHOOL ENROLLMENT" BY GRADES AND SEX.

(State School Enrollment admits no duplication. Pupils promoted during the year are enumerated only in the grades from which they were promoted.)

## DAY SCHOOLS.

	Boys	Girls	Total
Kindergarten .....	456	441	897
First Grade .....	5,970	5,250	11,220
Second Grade .....	3,867	3,644	7,511
Third Grade .....	3,665	3,298	6,963
Fourth Grade .....	3,089	3,007	6,096
Fifth Grade .....	3,032	2,697	5,729
Sixth Grade .....	2,444	2,517	4,961
Seventh Grade .....	2,145	2,239	4,384
Eighth Grade .....	1,637	1,832	3,469
Total Elementary and Kindergarten.....	<u>26,305</u>	<u>24,925</u>	<u>51,230</u>
High Schools—			
First Year* .....	1,080	1,407	2,487
Second Year .....	507	634	1,141
Third Year .....	219	338	557
Fourth Year .....	196	283	479
Total High .....	<u>2,002</u>	<u>2,662</u>	<u>4,664</u>
Grand Totals (Day Schools).....	28,307	27,587	55,894

\* These figures exclude those enrolling in January and who during the year were enrolled in the Grammar (8th) grade.

## STATE SCHOOL ENROLLMENT—Continued.

## EVENING SCHOOLS.\*\*

## Humboldt Evening High—

	Men	Women	Total
First Year .....	1,294	433	1,727
Second Year .....	281	141	422
Third Year .....	123	10	133
Fourth Year .....	16		16
Totals .....	1,714	584	2,298

## North Beach Evening High and Commercial Evening Schools—

First Year .....	620	313	933
Second Year .....	477	154	631
Third Year .....	10	3	13
Fourth Year .....	6	1	7
Totals .....	1,113	471	1,584

## Elementary Evening Schools—

First Grade .....	306	43	349
Second Grade .....	115	10	125
Third Grade .....	452	96	548
Fourth Grade .....	691	151	842
Fifth Grade .....	277	65	342
Sixth Grade .....	483	94	577
Seventh Grade .....	382	64	440
Eighth Grade .....	355	680	1,035
Totals .....	3,061	1,203	4,264

**Grand totals Evening Schools.....	5,888	2,258	8,146
Grand totals Day Schools.....	28,307	27,587	55,894
Grand Totals .....	34,195	29,845	64,040

## TEACHERS.

	Resigned	Died	Dropped from Roll	Total	Total No. of Teachers ap- pointed Day and Evening High and Elementary
1911-12 .....	33	9	10	52	116
1912-13 .....	38	9	4	51	86
1913-14 .....	38	14	7	59	83
1914-15 .....	38	4	4	46	107
1915-16 .....	41	13	2	56	105

\*\* Evening Schools enroll only pupils who are over 15 years of age except a few who have been granted a permit to work but who are over 14 years of age. Many adults are enrolled.

## REPORT OF THE BOARD OF EXAMINATION.

The Board of Examination is composed of: Superintendent Alfred Roncovieri, Chairman; Deputy Superintendent W. B. Howard, Secretary; Deputy Superintendent T. L. Heaton, Deputy Superintendent A. J. Cloud, Deputy Superintendent W. H. DeBell and Miss Magner.

The Board of Examination has conducted one examination, according to law, of persons desirous of securing certificates. It has met monthly and forwarded its recommendation to the Board of Education.

Herewith is a resume of its work:

## CERTIFICATES GRANTED ON CREDENTIALS.

HIGH SCHOOL.		
Men .....	18	
Women .....	41	
		59
ELEMENTARY.		
Men .....	5	
Women .....	141	
		146
SPECIALS.		
Men .....	6	
Women .....	16	
		22
RENEWALS.		
Men .....	2	
Women .....	37	
		39
ON EXAMINATION.		
GRAMMAR.		
Men .....	0	
Women .....	3	
		3
REJECTED.		
Men .....	2	
Women .....	10	
		12
SPECIALS.		
Men .....	3	
Women .....	11	
		14
Number of Certificates issued.....	244	
Number of Certificates renewed.....	39	
Number of Applicants rejected.....	12	
Amount fees collected of applicants, including renewals.....	\$640	

## NECROLOGY.

Mr. Hudson Sheldon	Lowell High	July 20, 1915
Miss E. R. Stevenson	Girls High	Aug. 8, 1915
Miss Ida R. Strauss	Hamilton	Aug. 19, 1915
Mr. J. A. Longley	Lowell High	Aug. 19, 1915
Mrs. E. M. Doud	John Swett	Aug. 25, 1915
Miss Josephine A. McIntyre	Rochambeau	Sept. 25, 1915
Mr. D. J. Delay	Paul Revere	Nov. 22, 1915
Miss C. S. Sweeney	Haight	Dec. 27, 1915
Mrs. M. Gerhardt	Cookery	Jan. 4, 1916
Mrs. A. E. Tiernan	Rincon	Jan. 16, 1916
Miss Lyda Carroll	Franklin	May 2, 1916
Miss E. F. Bartlett	Madison	May 14, 1916
Mr. W. W. Stone	Lincoln	May 27, 1916
Mr. F. K. Barthel	Manual Training	July 20, 1916

## REPORT TO UNITED STATES COMMISSIONER OF EDUCATION.

The following statement of the financial affairs of the Department was prepared in accordance with the request of the United States Bureau of Education.

## STATISTICS FOR THE FISCAL YEAR ENDING JUNE 30, 1916.

## A.—PAYMENTS.

## I.—Expenses (Cost of Conducting School System).

	Total	Salaries	Other Objects
Expenses of General Control (Overhead Charges)—			
Board of Education & Secretary's office..	\$26,531.83	\$24,717.00	\$ 1,814.83
Inventory of stores.....	7,564.06	4,560.00	3,004.06
Offices in charge of buildings.....	3,765.26	3,600.00	165.26
Office of superintendent of schools.....	24,531.54	23,259.96	1,271.58
Enforcement of compulsory education and truancy laws .....	4,080.00	4,080.00	
Other expenses of general control.....	3,460.49		3,460.49
Total .....	\$76,749.45	\$60,216.96	\$16,532.49



A.—PAYMENTS (Continued).

	Day Schools					Unassigned
	Elementary,		Evening		*Special	
	Kindergarten	Secondary (High)	Elementary	Secondary		
Total						
<b>Expenses of Instruction—</b>						
Salaries of principals and their clerks.....\$	178,638.65	\$ 156,198.65	\$ 15,900.00	\$ 3,900.00	\$ 2,640.00	
Salaries of teachers.....	1,544,324.25	1,167,369.30	230,270.65	26,980.15	39,821.90	\$ 64,200.25
Stationery and supplies used in instruction .....	74,613.15	20,871.15	4,407.64	367.03	166.49	48,800.84
<b>Total for instruction.....</b>	<b>1,797,576.05</b>	<b>1,344,439.10</b>	<b>250,578.29</b>	<b>31,247.18</b>	<b>42,628.39</b>	<b>64,482.84</b>
<b>Expenses of Operation of School Plant—</b>						
Wages of janitors and other employees .....	116,672.10	96,300.60	17,911.50	1,860.00	600.00	
Fuel .....	17,320.67	15,671.18	1,649.49			
Water .....	12,247.78					12,247.78
Light and power.....	8,541.57					8,541.57
Janitor's supplies.....	11,611.53	6,968.27	3,197.88	136.71	307.25	1,001.42
Other expenses of operation of school plant .....	4,680.00					4,680.00
<b>Total for operation.....</b>	<b>171,073.65</b>	<b>118,940.05</b>	<b>22,758.87</b>	<b>1,996.71</b>	<b>907.25</b>	<b>25,469.35</b>
<b>Expenses of Maintenance of School Plant—</b>						
Repair of buildings and upkeep of grounds .....	120,635.55	195.27	24.28			16.00
Repair and replacement of equipment .....	869.99	821.38	48.61			1,225.91
Insurance .....	1,225.91					
Other expenses of maintenance of school plant (labor).....	14,753.25					14,753.25
<b>Total for maintenance.....</b>	<b>137,484.70</b>	<b>1,016.65</b>	<b>72.89</b>			<b>16.00</b>

## A.—PAYMENTS (Continued).

	Day Schools				*Special Activities	Unassigned
	Elementary, Kindergarten	Secondary (High)	Evening Elementary	Schools Secondary		
<b>Expenses of Auxiliary Agencies—</b>	<b>Total</b>					
Supplies, lecture bureau.....	35.00				35.00	
Teachers' Institute .....	1,162.00				1,162.00	
Salaries, Social Centers.....	2,039.00				2,039.00	
Supplies, Social Centers.....	456.99				456.99	
Supplies, school museum.....	232.17				232.17	
Promotion of health, salaries and other expenses .....	18,507.68				18,507.68	
<b>Total for auxiliary agencies.....</b>	<b>22,432.84</b>				<b>22,432.84</b>	
<b>Miscellaneous Expenses—</b>						
Rent .....	1,595.60					1,595.60
<b>Total miscellaneous .....</b>	<b>1,595.60</b>					<b>1,595.60</b>
<b>Total expenses .....</b>	<b>\$1,464,395.80</b>	<b>\$273,410.05</b>	<b>\$33,243.89</b>	<b>\$43,535.64</b>	<b>\$87,933.10</b>	<b>\$304,393.81</b>
<b>II.—Outlays (Capital Acquisition and Construction).</b>						
New buildings .....	\$ 235,668.91	\$ 150,391.79	\$ 85,277.12			
Alteration of old buildings.....	222.80	222.80				
Equipment of new buildings and grounds .....	12,535.68	12,535.68				
Equipment of old buildings, exclu- sive of replacements.....	3,153.64	1,693.49	1,457.12	\$ 3.03		
Classroom equipment .....	74,034.10	22,577.88	49,668.48	17.79	\$ 157.25	\$ 1,612.70
<b>Total outlays .....</b>	<b>\$ 325,615.13</b>	<b>\$ 174,885.96</b>	<b>\$148,938.40</b>	<b>\$ 20.82</b>	<b>\$ 157.25</b>	<b>\$ 1,612.70</b>

\* Special Activities include lectures, playgrounds, social centers, etc.  
Schools and Special Activities.

## A.—PAYMENTS (Continued).

## III.—Other Payments.

Redemption of bonds.....	\$ 314,800.00
Payment of warrants and orders of preceding year.....	6,085.35
Payments of interest.....	285,074.25
	<hr/>
Total other payments.....	\$ 605,959.60
	<hr/>
Grand total of payments for all purposes.....	\$3,138,487.02
Balance carried forward to next year.....	\$ 550,172.10

## B.—RECEIPTS.

## Revenue Receipts—

Subventions and grants from state.....	\$ 706,366.99
Appropriations from city treasury.....	326,441.79
General property taxes.....	1,933,507.92
Rents .....	98,142.50
	<hr/>
Total revenue receipts.....	\$3,064,459.20

## Non-revenue Receipts—

Loans and bond sales.....	\$ 8,300.00
Sales of equipment and supplies.....	64.03
	<hr/>

Total non-revenue receipts.....\$ 8,364.03

Total receipts .....	\$3,072,823.23
Balances at beginning of year.....	615,835.89
	<hr/>

Total receipts and balances.....\$3,688,659.12

## STATISTICS OTHER THAN FISCAL FOR THE SCHOLASTIC YEAR.

	Total	Elementary including Kindergarten	Secondary (High)
Superintendents, and associate and assistant superintendents, whose duties are mainly connected with the general control of the system.....	1		
	5		
Supervising principals, principals of groups and districts, and principals of buildings or similar units, including only those persons devoting half or more than half of their time to control or administration, and supervision of instruction.....	84	76	8
Supervisors whose duties are mainly connected with the supervision of instruction of special subjects and grades, including only those who devote half or more than half of their time to supervision.....	10	10	0
Number of different individuals employed as teachers:			
Males .....	162	62	100
Females .....	1,359	1,252	107
Total teachers .....	1,521	1,314	207
Number of teaching positions (numbers of teachers necessary to supply the school)....	1,521	1,314	207
Enrollment of pupils (net registration, excluding duplicates):			
Males .....	34,195	29,366	4,829
Females .....	29,845	26,128	3,717
Total enrollment .....	64,040	55,494	8,546
Aggregate attendance (total number of days attended by all pupils).....	8,786,141	7,940,520	845,621
Average daily attendance.....	46,862	42,346	4,516
Number of days the public schools were actually in session.....	187½	*189 †187½	187¼
Number of schools buildings or units of plant, not including portable or temporary structures operated as part of a permanent building .....	91	86	5
Number of school rooms.....	1,455	1,294	160
Number of sittings or seats for study.....	54,430	49,861	4,569

\* Kindergarten.

† Elementary.

Number of buildings not used for schools or special activities, occupied as office buildings, warehouses, etc., 2.

How many of the public high schools are in buildings not occupied also by elementary grades? 5.

How many public high schools belong to the city system? 8 (5 day and 3 evening). Normal schools? 0. Vocational schools, or schools for the industries? 1. Name any special schools, such as schools for the blind, deaf, feeble-minded, delinquents, dependents, etc. 1 for deaf, 2 for delinquents, 3 for defectives.

Have you any special activities connected with the school system, as lectures, playgrounds, social centers? Yes.

How many librarians and assistants are employed in school libraries? None. Libraries in each school are managed by the Principal.

How many school physicians are employed? 3. How many school nurses? 14.

How many truant officers? 3. What is their average salary? \$1,440 each.

How many teachers are employed in the public evening schools? Males 50, females 67, total 117. How many of these are also teachers in the public day schools? Males 5, females 0, total 5.

\* How many pupils are enrolled in the public elementary and high evening schools? Males 5,888, females 1,657, total 7,545. How many of these pupils were also enrolled, sometime during the year, in the public day schools? Males 0, females 0, total 0.

How many public kindergarten teachers were employed? 11.

How many children were enrolled in the public kindergartens? Males 456, females 441, total 897.

What is the length of school term provided by law or regulation, not omitting holidays, etc.? 100 school days. We have two terms of 100 days each.

Name of Superintendent for 1915-16, Alfred Roncovieri.

\* The elementary evening school enrollment was 3,663

The high evening school enrollment was 3,882

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7,545

The average daily attendance of the evening elementary schools was actually 1,230, but under our State laws we are required to report only 50% of this number (615) for purposes of State apportionment of State school funds.

The average daily attendance of evening high schools on the basis of 187½ days' attendance was actually 1,328, but under our State laws we are required to report 50% of this number, or 664, for purposes of State apportionment of State school funds.

## SOME SCHOOL STATISTICS FROM THE OPENING OF THE FIRST FREE

Year Ending Oct. 31.	No. of Schools.	Teachers.	Pupils Enrolled.	Average Daily Attendance.	Population.
1850	1	2	150	.....	
1851	1	4	325	.....	
1852	7	15	700	445	
1853	.....	16	2,870	1,182	
1854	.....	19	4,199	1,727	
1855	.....	29	4,694	1,638	
1856	9	61	3,347	2,516	
Year Ending June 30.					
1857	.....	60	2,821	2,155	
1858	.....	67	5,273	2,521	
1859	11	75	6,201	2,829	56,802
1860	.....	68	6,180	2,837	
1861	13	73	6,617	3,377	
1862	17	82	8,204	3,786	
1863	.....	94	8,177	4,389	
1864	20	108	7,075	5,470	
1865	.....	138	8,000	6,718	
1866	32	206	10,152	8,131	
1867	37	253	13,385	10,177	
1868	39	285	17,426	11,871	
1869	42	326	19,885	13,113	
1870	55	371	22,152	15,394	150,005
1871	56	416	26,406	16,978	
1872	56	480	27,664	18,272	
1873	58	506	27,722	18,550	
1874	64	510	29,449	19,434	
1875	64	552	31,128	21,014	
1876	66	574	34,029	22,761	
1877	66	632	37,268	24,899	
1878	65	672	38,672	26,292	
1879	64	696	38,129	27,075	
1880	59	683	38,320	28,150	234,144
1881	62	719	40,187	29,092	
1882	65	675	40,752	29,435	
1883	63	687	40,722	30,827	
1884	64	714	41,942	31,578	
1885	65	734	43,265	32,183	
1886	65	773	43,140	32,146	
1887	68	799	43,311	31,316	
1888	68	806	42,330	30,191	
1889	71	838	42,626	31,609	
1890	72	859	42,926	31,352	298,997
1891	73	879	43,626	31,809	
1892	75	897	46,172	32,431	
1893	76	929	45,775	32,799	
1894	73	866	44,349	32,939	
1895	75	904	44,822	32,974	
1896	76	927	45,435	33,508	
1897	77	974	46,564	33,531	
1898	92	1,070	50,101	35,116	
1899	90	1,074	48,972	36,830	
1900	86	1,061	48,058	35,004	342,782
1901	82	1,017	48,517	34,771	
1902	84	1,052	48,893	35,691	
1903	84	1,086	48,345	37,077	
1904	85	1,121	49,600	37,700	
1905	85	1,181	55,067	40,920	
1906	86	1,115	57,782	41,932	
1907	83	971	45,633	29,929	
1908	89	1,095	48,045	33,931	
1909	92	1,195	48,509	35,541	
1910	95	1,198	50,212	36,774	416,912
1911	100	1,227	51,462	37,736	
1912	105	1,308	53,160	40,448	
1913	105	1,423	53,757	42,820	
1914	104	1,478	57,852	44,388	
1915	104	1,485	61,941	46,562	
1916	105	1,520	64,040	46,825	

SUPERINTENDENT OF SCHOOLS

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PUBLIC SCHOOLS BY J. C. PELTON, DECEMBER, 1849, TO JUNE 30, 1915.

Expenses for All Purposes. (Inc. Bonds)	Cost per Capita on Average Daily Attendance.	School Census Children 4 to 18 Years.	Value of School Property. (Estimated)	Assessment of City and County Property.
-----	-----	500	-----	\$ 21,621,214
-----	-----	1,510	-----	14,016,903
\$23,125	51.96	2,132	-----	18,481,737
35,040	29.65	2,730	-----	28,900,150
159,249	92.21	3,268	-----	34,762,827
136,580	83.38	4,531	-----	32,076,372
125,064	49.71	4,751	-----	30,368,254
92,955	43.14	4,755	-----	35,397,176
104,808	41.57	6,375	-----	30,725,950
134,731	47.62	7,767	-----	30,019,222
156,407	53.13	9,025	-----	35,809,639
158,855	47.04	13,316	-----	41,870,811
134,576	35.58	13,358	-----	41,870,811
178,929	47.67	16,501	-----	66,566,655
228,411	41.76	18,748	-----	78,709,337
346,862	50.15	21,013	-----	83,197,725
		5 to 15 Years.		
361,668	44.48	17,369	-----	88,934,543
507,822	49.89	20,253	\$1,057,000	96,740,159
416,654	35.09	23,306	1,368,000	109,360,825
397,842	30.34	24,817	1,531,000	106,414,128
526,625	33.56	27,055	1,729,800	114,759,510
705,116	41.53	28,971	1,786,400	106,391,876
668,262	36.02	31,936	1,810,000	105,025,534
611,818	35.45	34,676	-----	288,533,256
		5 to 17 Years.		
689,022	35.40	38,084	2,227,620	212,407,505
707,445	33.71	41,029	2,367,000	264,000,000
867,755	38.12	46,238	2,505,500	269,105,141
732,324	29.41	53,210	2,585,000	260,576,978
989,259	37.62	55,899	2,711,000	254,702,960
876,489	32.37	62,105	3,047,303	244,477,360
809,133	28.74	58,492	3,073,000	217,487,074
827,324	28.44	55,115	3,137,000	253,545,476
735,435	24.98	55,880	3,137,000	222,336,400
791,175	25.66	58,061	3,137,000	201,992,152
797,452	25.25	63,029	3,137,000	201,763,762
840,367	25.80	69,000	3,137,000	223,509,560
815,778	25.37	74,079	3,189,000	230,386,325
843,297	26.93	78,246	3,184,575	230,151,009
926,662	30.69	59,517	3,230,598	251,746,111
916,644	28.99	60,642	4,772,180	273,389,616
983,014	31.35	61,144	4,757,724	306,041,440
1,053,610	33.12	62,456	4,798,427	301,444,140
1,098,839	33.88	63,933	4,932,754	311,566,079
1,134,757	34.59	65,317	5,019,317	346,224,706
989,009	30.05	68,390	5,063,364	342,644,179
1,043,067	26.09	70,006	5,140,258	325,108,898
1,086,571	32.42	71,822	5,284,000	327,805,147
1,222,941	36.52	74,840	5,354,859	330,401,154
1,319,829	37.58	76,336	5,474,739	351,784,094
1,507,163	40.92	75,292	5,514,200	405,111,615
1,274,696	36.41	78,554	5,514,200	410,155,304
1,152,631	30.27	82,173	5,207,600	413,417,241
1,316,170	36.88	82,391	5,334,000	413,099,993
1,322,585	35.67	91,386	5,649,651	419,968,644
1,398,296	37.09	97,353	5,702,001	545,866,446
1,403,349	34.29	98,127	5,800,000	502,892,359
1,498,275	35.73	101,836	6,984,000	514,230,946
1,325,433	44.28	77,367	6,207,010	375,932,447
1,934,355	57.01	87,696	6,379,000	429,632,592
1,701,236	47.86	88,058	7,206,573	454,334,160
3,307,948	89.98	74,729	8,733,285	492,867,037
3,137,825	83.18	abolished	10,161,492	545,057,591
3,744,073	92.54		12,536,929	605,488,153
3,329,054.50	77.70		11,983,657	604,793,249
3,504,838.65	78.95		12,600,202	623,847,729
3,224,429.19	69.25		16,929,218	647,207,514
2,817,831.00	60.13		14,020,943	749,000,000

1912, and data from Auditor's Office, Assessor's Office. etc.

## FOREWORD.

The Report of the Superintendent for the fiscal year 1914-15 gave a very complete exposition of the condition of the Department to July 1, 1915; and, subsequent thereto, very large supplements were appended, bringing the Report down to approximately March 1, 1916.

It has therefore been considered unnecessary in this Report (annual Report 1915-16) to repeat the content of the former Report in toto. Instead, the period from March 1, 1916, to July 1, 1916, only has been covered herein insofar as educational progress and conditions are concerned, and reference made to the earlier Report for preceding periods. The title-heads herein used are those of the former Report. Statistical matter for the entire fiscal year 1915-16 is, however, herein contained.

## PRINCIPALS' AND TEACHERS' MEETINGS.

These meetings, as described in the report of 1914-15 (to which reference is hereby made) were held regularly during the spring term 1915-16. One of the most important discussions was that at the May meeting on the topics "Grading of Review Papers" and "The Basis of Promotion". Deputy Superintendents DeBell and Cloud led the discussion on each of these topics respectively.

## SCHOOL MUSEUM.

The immediate opportunity afforded by the presence of the Panama-Pacific Exposition to collect material to form the nucleus of a School Museum, and the function to be exercised by such an institution, are set forth in the report of 1914-15 (to which reference is hereby made).

The Committee of teachers having this matter in charge, headed by Mr. F. K. Barthel, with Mr. Con A. Davis, chief assistant, showed great devotion to the work and accomplished important results. While, as yet, no definite sum has been set aside to put the collected material in shape for concrete use in the schools, it is hoped that the Museum may be organized during the coming year.

## GARDENING.

There has been little change in this important phase of school work since the report of 1914-15 (to which reference is hereby made).

In our official recommendations to the Board of Supervisors on the financial needs of the Department, in May, 1916, we asked for an appropriation of \$5,000 for the extension of school gardening; but no specific sum was allowed; and no definite action has been had.

We renew our frequent recommendations in this particular.

## NATURE STUDY AND ELEMENTARY SCIENCE.

Class-room work in this study (as described in the report of 1914-15, to which reference is hereby made) has progressed favorably, though hampered by lack of equipment. In our official recommendations to the Board of Supervisors on the financial needs of the Department, in May, 1916, we asked for an appropriation of \$5,000 for materials and equipment for the extension and improvement of the Science Course; but no specific sum was allowed; and no definite action has been had.

## PENMANSHIP.

Owing to the adoption of the Zaner System of Penmanship books by the State Board of Education, to be introduced in all elementary schools of Cal



fornia in the Fall Term 1916, it has been necessary to make radical readjustments in the Course of Study in this subject. Teachers throughout the department have been thoroughly advised of the contemplated change. The Superintendent secured the services of Mr. C. P. Zaner, author of the newly adopted series, to lecture before the teachers of the department, in April, and also to give counsel in regard to the new lines of work. It is thus thought that the readjustments will be effected without undue difficulty.

In our official recommendations to the Board of Supervisors on the financial needs of the Department, in May, 1916, we asked for an appropriation of \$5,500 for a Supervisor of Penmanship and two assistants; but no specific sum was allowed and no definite action has been had.

#### OVERCROWDED CONDITIONS.

Realizing the necessity for the establishment of new classes to relieve congestion in the schools, as described in the report of 1914-15 (to which reference is hereby made), the Board of Education has increased the teaching force for the coming fiscal year by sixty-nine appointments in the elementary schools, and thirty-four in the high schools. We take pleasure in commending this action.

#### UNGRADED CLASSES.

A thorough-going analysis of the function and value of the Ungraded Class is furnished in the report of 1914-15 (to which reference is hereby made).

During the past term a few classes of this general description, though not specifically so designated, have been established by the Board of Education. We reiterate former recommendations that a much larger number be formed. At least twenty are urgently needed.

In our official recommendations to the Board of Supervisors on the financial needs of the Department, in May, 1916, we asked for an appropriation of \$25,000 for this purpose; but no specific sum was allowed.

#### SPECIAL UNGRADED SCHOOLS.

We renew the recommendations on this subject contained in the report of 1914-15.

#### SUBNORMAL CLASSES.

We renew the recommendations on this subject contained in the report of 1914-15.

#### VACATION SCHOOLS.

We have watched with great interest the remarkable success achieved by Vacation Schools in many cities of the Union. In our reports for the past several years we have presented the argument in favor of such schools, and have strongly urged the Board of Education to make a beginning, no matter how modest, in organizing such schools. We regret that we have met with no success in this endeavor.

In our official recommendations to the Board of Supervisors on the financial needs of the Department, in May, 1916, we earnestly asked for the meagre appropriation of \$5,000 for this purpose; but no specific sum was allowed, and no action has been had.

We strongly renew our recommendations on this subject, as contained in our last several reports.

## HEALTH.

The article under this heading in the Report of 1914-15 (to which reference is hereby made) gives a detailed explanation of conditions in this respect.

In our official recommendations to the Board of Supervisors on the financial needs of the Department, in May, 1916, we asked that an additional sum be allowed the Board of Health for the extension of this work.

## INTERMEDIATE SCHOOLS.

In view of the success of the three schools of this type described in the Report of 1914-15 (to which reference is hereby made) we asked in our official recommendations to the Board of Supervisors, in May, 1916, that the sum of \$15,000 be appropriated for establishing and equipping three additional Intermediate Schools; but no specific sum was allowed; and no action has been had.

## SUBSTITUTE TEACHERS.

To carry into effect the plan for an improved substitute list, as set forth in full in the Report of 1914-15 (to which reference is hereby made), we asked in our official recommendations to the Board of Supervisors on the financial needs of the Department, in May, 1916, that an appropriation of \$5,000 be made. No specific sum was so appropriated.

## ENFORCED ATTENDANCE.

Referring to the treatment of the subject of Enforced Attendance, in the report of 1914-15 (which see), we desire to repeat our recommendation that a system of absent cards be inaugurated, for the purpose of preventing children of school age from being on the street during school hours, and of requiring their presence at school, in accordance with State law. No action has been had on this recommendation.

The following Age and Schooling Certificates (Working Permits) were issued by the office of the Superintendent of Schools during the fiscal year 1915-16:

AGE AND SCHOOLING CERTIFICATES ISSUED TO CHILDREN FROM  
JULY 1, 1915, TO SEPTEMBER 10, 1915 (OLD LAW).

Certificates issued to children between 15 and 16 (not graduates).....	132
Certificates issued to children between 15 and 16 (graduates).....	24
Temporary Permits issued to children between 12 and 15 years.....	22
Certificates issued to graduates under 15 years.....	12

AGE AND SCHOOLING CERTIFICATES ISSUED TO CHILDREN FROM  
SEPTEMBER 10, 1915, TO JUNE 30, 1916 (NEW LAW).

Owing to changes in the law, in operation on and after Sept. 10, 1915, Age and Schooling Certificates cannot be issued to children under 14 years or who have not completed the 7th grade.

Certificates issued to children between 15 and 16 (not graduates).....	126
Certificates issued to children between 15 and 16 (graduates).....	63
Temporary Permits issued to children 14 years or over.....	19
Certificates issued to graduates over 14 years of age but not 15 years.....	31

## THE CURBING OF TRUANCY.

The work of the Truant Officers of the School Department, who are members of the police force especially detailed for this duty, has lost nothing in importance, though, as will be shown by a comparison of figures, the efforts of the officers are bringing about a steady improvement in the conditions which make their services necessary. Their labors continue arduous, however, the more so that there are now but two truant officers available where there were formerly three. The larger number was by no means in excess of the requirements but, owing to the need believed to exist for the strengthening of the ordinary branches of police service, Officer J. H. Duggan was recalled to regular street duty three months ago, leaving the truancy work to be done by Officers Eugene Sweeney and E. J. Nolan. As a result the pressure upon these two officers has been materially increased, but I take pleasure in testifying to my belief that they have made every effort to meet effectively their increased responsibilities.

The following tabulated statement shows, in outline, the work done by the truant officers during the school year (fiscal year) which began July 1, 1915, and ended June 30, 1916:

Number of truancy complaints investigated, reported on to principals and followed up further when necessary.....	3720
Number of children found on streets during school hours and reported back to principals.....	1284
Number of children taken before Juvenile Court.....	115
Number of parents taken before Juvenile Court.....	114
Total number of cases so disposed of.....	5233

That the efforts of the Truant Officers have not been without effect, not only in the immediate enforcement of the rules against truancy, but also in a general discouragement of this offense, is made evident by a comparison of the figures given above with the corresponding showing for the previous year. For example, the total number of truancy cases referred to the Truant Officers by principal and others for investigation was 4024 in 1914-1915 as against 3720 in 1915-1916, and this despite an increased enrollment in the latter year. Also, during the former year 2219 school children were found on the streets during school hours, as against 1284 during the latter. Again, the number of children taken before the Juvenile Court was 160 in 1914-1915, and but 115 in 1915-1916, while in the latter year only 114 parents were cited before that tribunal as against 149 in the former.

In addition to the work outlined in the foregoing tabulation for 1915-1916, the Truant Officers were also called upon to investigate numerous cases of boyish mischief or more serious vandalism, their efforts toward the detection of the offenders, the enforcement of reparation, and the bringing about of punishment, where a penalty of such character has seemed necessary, being uniformly successful. In the great majority of cases parents of the children at fault have been promptly made to see the wisdom of replacing broken glass or providing for other necessary repairs. The tendency to petty pilfering from school premises by children lacking in proper impulses and training, likewise by more blameworthy offenders of larger growth, has also been kept well in check by the watchful zeal of the Truant Officers.

## IMMIGRANTS.

A clear statement of the value and function of classes for immigrants is made in the report of 1914-15 (to which reference is hereby made.)

That the work actually being carried on in one of our evening schools in this particular direction may serve as an illustration of that being done in several

others, we here set forth details of the instruction being given to immigrants at the Lincoln Evening School under the direction of Mr. Frank Fenton, Principal, and Miss Charlotte Wheeler, teacher.

The Lincoln Evening School has three classes devoted to the instruction of foreigners. The course embraces:

(a) Reading by a phonetic system, that is, placing the sounds and increasing the vocabulary, aided by charts, pictures and review cards.

(b) Conversational methods and written composition, a dramatic object method of acting, based on a thorough drill of the verbs in common use.

Example—Lesson 1. Objects—Hands, face, soap, water, towel. Verbs—See, saw, wash, washed, wipe, wiped.

These lessons are so arranged that the work synchronizes.

One term of five months enables the educated foreigner to enter the 6th or 7th grade.

The illiterate student requires at least a year in this drill class.

The pupils are encouraged to enter the graded classes and study the regular grammar grade work as soon as possible, and their work is so arranged that they may do so. In fact, many stay to graduate and receive diplomas.

Lessons in citizenship, civics and history are taught to the advanced pupils nightly.

Emphasis is put upon the necessity of students in the citizenship class spending at least three full months in night school each of the five probationary years before final papers are issued to them.

Patriotism and love of the American flag and institutions is instilled by flag drills, stories of American heroes and public men, and the singing of patriotic songs.

The class teacher attends with each class court proceedings, where final examination for citizenship papers is held.

The principal examines each individual of the class before appearance in court in order to insure the success of applicant.

We recommend again that an additional number of such classes be established.

#### VISUAL EDUCATION.

We renew the recommendations on this subject contained in the report of 1914-15.

To endeavor to accomplish such an end, in our official recommendations to the Board of Supervisors on the financial needs of the Department, in May, 1916, we asked for an appropriation of \$2,500 for this purpose; but no specific sum was allowed, and no action has been had.

#### ELEMENTARY CERTIFICATION ON EXAMINATION.

In accordance with a change in the State School Law (Section 1790) the Board of Examination has held no examination for the elementary teachers' certificate since the date of the supplement to the report of 1914-15. The next examination has been set for December, 1916.

#### CONTINUATION CLASSES.

In our official recommendations to the Board of Supervisors on the financial needs of the Department, in May, 1916, we stated the case for the establishment of Continuation Classes, as follows:

"Continuation Classes—\$10,000. A large number of young men and women who have left school and who are employed in wage earning need additional education in academic and technical branches to make their labor most useful to

themselves and to the community. For these we should establish morning classes from 8 to 10 a. m. as now carried on at the private expense of some of the large firms of this city. While it is true that we have evening schools it is always better, if possible, for the young people who need additional education to attend these morning classes at the expense of the employer who, in many cases, is willing to grant his youthful employees permission to study at his expense. Morning Continuation Classes would be a God-send to a great many, especially to young girls whose parents do not wish them to attend evening classes. Besides, the minds of these young people are clearer in the morning and not over-burdened with the fatigue of the labors of the day as when they attend evening schools.

In keeping with the idea of the "Wider Use of the School Plant", our Manual Training and Cooking laboratories used by the pupils of the day schools and which are now closed evenings and Saturdays should be opened every evening and Saturdays.

Sewing, Dressmaking, Millinery and Cooking would be largely patronized if all of these laboratories were opened in the evening. At present we have about four such centers and these are not open every evening in the week. Wood and Metal-work, Mechanical and Architectural Drawing in these laboratories would offer means of promotion to large numbers of young men who are working along these lines during the day. \$10,000 is a very small sum to start this work, for I feel confident that if such an opportunity is given to our young people that in the near future thousands of serious-minded apprentices in the trades will gladly avail themselves of this opportunity."

No specific sum for this purpose was allowed, and no action has been had. We renew our recommendation on this subject.

#### SUPPLEMENTARY BOOKS.

In our official recommendations to the Board of Supervisors on the financial needs of the Department, in May, 1916, we said in part: "The schools of San Francisco are in urgent need of supplementary text-books. This is one of the greatest needs of our schools". We asked for an appropriation of \$50,000 for this purpose; but no specific sum was allowed.

#### HIGH SCHOOLS.

An exhaustive report on the Course of Study and the general conditions in the San Francisco high schools is contained in the report of 1914-15 (to which reference is hereby made). The recommendations embodied in that report were later presented in separate form to the Board of Education, and action has been had on a number of them. The recommendations for particular schools that have been accepted are: at the Girls High School funds for the installation of a course in Cooking have been allowed; at the High School of Commerce a General Science course, well equipped, has been established, and provision made to relieve overcrowding; at the Mission High School, the commercial course and the course in drawing have been extended; and readjustments and increases in the teaching corps have been made at the Polytechnic and Lowell. The general recommendations for the high schools that have been accepted are: three additional teachers of music, and a full corps of teachers (8) to carry on a program of physical education for both boys and girls.

In our official recommendations to the Board of Supervisors on the financial needs of the Department, in May, 1916, we asked for the following amounts:

- (1) For permanent equipment, \$49,500 (including an annex to the Mission High, but exclusive of the sum of \$30,000 asked for the equipment of the Polytechnic by the Board of Education and concurred in by the Superintendent).
- (2) Supervisor and Assistants of Drawing, \$3,000.
- (3) Five Music Teachers, \$7,500.

While these sums were not specifically appropriated by the Board of Supervisors for the purposes aforementioned, the Board of Education has been able to allow considerable amounts to accomplish these various purposes.

We desire to commend the action of the Board of Education in regard to our high school recommendations.

#### TEACHERS' INSTITUTE.

The annual institute of the teachers of the City and County was conducted during the four days beginning April 17, 1916, in conjunction with the annual session of the California Teachers' Association-Bay Section. The attendance was very large, the speakers were enthusiastically greeted and attentively listened to, and in all other respects this Institute was one of the most successful ever held. We were very fortunate in being able to secure the services of the Honorable P. P. Claxton, United States Commissioner of Education, as the chief lecturer on the program.

An outline of the programs of the General Sessions, and of the Elementary and High School Departments follows:

#### GENERAL SESSIONS.

Monday, April 17, 1916, 9:00 A. M.

Community singing.

Call to Order and Opening Remarks—President Cloud.

Recital of Folk-Lore—Mr. Henry Kendall Bassett, formerly Assistant Professor of English, University of Wisconsin.

Community singing.

Address, "What We Owe the National Red Cross"—Hon. Samuel M. Shortridge, San Francisco.

Lecture, "The Place of the High School in Our Public School System"—Hon. P. P. Claxton, U. S. Commissioner of Education.

Thursday, April 20, 1916, 9:30 A. M.

Lecture, "The Teacher"—Mr. John H. Francis, Superintendent of Schools, Los Angeles.

Soprano solos—Madame Jeanne Gustin-Ferrier. (a) Aria "Madame Butterfly", Puccini; (b) "Old Italian Folk Songs", "La Colomba" arranged by Schindler. Mr. Jno. Tibbets at the piano.

Lecture, "The Civic Education of the Immigrant"—Miss Mary Antin, author of "The Promised Land", "The Knock at Our Gates," etc.

Thursday, April 20, 1916, 1:30 P. M.

Orchestra.

Address—His Honor, James Rolph, Jr., Mayor of San Francisco.

Baritone solos—Mr. William H. Keith. (a) "Sancta Maria", Faure; (b) "Alla Stella Confidente", Robaudi. Violin obligato by Mr. Nat J. Landsberger. George Lerond at the piano.

Lecture, "More Salubrities I Have Met"—Mr. John Kendrick Bangs, author of "A House Boat on the Styx", "The Genial Idiot", etc., etc.

Orchestra.

Regular annual business meeting of the Bay Section C. T. A., same hall. Members only are entitled to participate in the business meeting. Order of business: Reading of Minutes of last Annual Meeting; Report of Board of Directors: Election Returns; Unfinished Business; Reports of Committees; New Business: Installation of President-elect.

Adjournment.

SYNOPSIS OF RECOMMENDATIONS MADE BY THE SUPERINTENDENT  
OF SCHOOLS SINCE JANUARY, 1913.

(For recommendations for the several years prior to this date see Superintendent's report of 1912.)

March, 1913.

First—That work in Manual Training and Domestic Science be extended, and that these Centers be open on Saturday mornings.

Second—That Vacation Schools be organized (renewal of earlier recommendation).

Third—That Continuation Schools be organized.

Fourth—That work in School Gardening be extended (renewal of earlier recommendation).

Fifth—That a complete course in Music be established in the High Schools, and that one teacher in this subject be appointed for each high school.

May, 1913.

That three designated Elementary Schools be organized as Intermediate Schools, and that suitable modifications of the existing Courses of Study of those schools be made.

July, 1913.

First—That the new High School Course of Study prepared and presented by the Superintendent be adopted and printed.

Second—That the Course of Study for the elementary schools be revised in such a manner as to reduce the amount of academic work and increase the amount of manual and vocational work.

August, 1913.

First—that supplementary books be purchased for Science Work in the grades, and giving a list of such books.

That specific changes in the elementary Course of Study in Geography, History, Nature Study and Science be adopted.

July, 1914.

That Ungraded Classes be established and extended.

November, 1914.

First—That self-testing cards be supplied the primary classes of the department.

Second—That School Gardening be extended (renewing former recommendation).

Third—That a plan formulated to increase the daily attendance in the schools and to enforce compulsory education law be ratified.

December, 1914.

First—That the elementary schools classification be completed by 12 o'clock on the last day of each school term.

Second—That a revised Elementary Course of Study, prepared and presented by the Superintendent, be adopted and printed.

May, 1915.

First—That certain administrative improvements be made in regard to the classification reports, transfers of pupils from primary to grammar schools, and in the organizing of Manual Training and Domestic Science classes at the opening of school terms.

Second—That a Course of Study for visits to the Panama-Pacific International Exposition, prepared and presented by the Superintendent, be ratified.  
June, 1915.

That a Time Schedule for the Intermediate Schools, prepared and presented by the Superintendent, be adopted.

July, 1915.

First—That teachers be selected to study under Madame Montessori in classes to be conducted by her in San Francisco.

Second—That the necessary apparatus for inaugurating the Language-Phone Method of teaching foreign languages be supplied the Polytechnic High School.

August, 1915.

That a four year History Course be organized at the Polytechnic High School.

October, 1915.

First—That in high schools no student activities be allowed during regular school hours.

Second—That the Girls High School be equipped for courses in Household Arts, including Sewing, Dressmaking, Millinery and Cooking.

December, 1915.

First—That a course in the education of immigrants, in furtherance of the commendable efforts of the Bureau of Naturalization of the U. S. Department of Labor, be organized at the Hancock School Building at night time, and that the school in that location be hereafter designated as the North Beach Evening Continuation School.

Second—That a course in Physical Education be prescribed for all boys in the first year at Lowell High School.

Third—That, to improve the conditions relative to the assignment of probationary teachers, a detailed plan, prepared and presented by the Superintendent, be ratified.

January, 1916.

That a schedule for inclement days, prepared and submitted by the Superintendent, be adopted.

February, 1916.

First—That Dr. F. B. Dresslar be invited to examine the plans of the Redding School.

Second—That physical education in the high schools including military training and tactics, be more definitely organized.

April, 1916.

That teachers of the department attending the 1916 Summer Session of the University of California be excused from class-work during the first week of the Fall Term, 1916, without loss of pay, and that necessary substitutes be employed to fill temporarily their positions during said first week.

May, 1916.

First—The "Report on high schools and recommendations concerning the same", rendered May 9, 1916, is herein summarized:

- (a) That the high school day be extended to a six hour schedule.
- (b) That adequate clerical help be provided the principals.
- (c) That at least one teacher of Music be assigned to each high school and that Music be accorded full recognition as an elective study.
- (d) That supplementary books be provided.
- (e) That a "Dean of Girls" be appointed for each high school.
- (f) That physical education be extended.



(g) That, in the High School of Commerce, a course in applied Arts be installed; that the Science Course be enriched by the introduction of a practical course in Physics; that a course in Salesmanship be begun; and that Heads of Departments be appointed.

(h) That, in the Mission High School, the Commercial Course be extended and strengthened; that the Household Economic Course be extended and improved, and that a temporary building be constructed to accommodate departments of this school not properly housed.

(i) That, in the Girls High School, a thorough and complete course in Household Economics be organized; that Spanish be introduced as an elective study; that an elective course in typewriting and stenography be placed in the third and fourth years of this school; and that a head of the Science Department be appointed.

(j) That, in the Polytechnic High School, a course in Latin be organized in the third and fourth years, and that the teaching time of teachers of academic subjects be reduced to a basis approximating twenty-eight periods per week.

(k) That, in the Lowell High School, the teaching time of teachers be placed on a basis approximating twenty-eight periods per week; and that a faculty secretary be appointed.

Second—That a one hour course in Vocational Guidance for senior students be organized at the Polytechnic High School.

Third—That the following modifications in the Course of Study of the Lowell High School be approved:

(a) That the Science taught in the second year be Biology in place of the choice of Botany or Zoology as heretofore.

(b) That a course in Physiology (with special attention to Hygiene) be given as an additional elective course in the third year, open to third and fourth year pupils.

(c) That an elective course in Domestic Chemistry be given in the third year, open to the girls in the third and fourth years.

(d) That the modern languages, French, German, Spanish, be made elective in the second year with Greek or Science, thus providing for complete three year courses in each modern language in place of the former two year courses.

Fourth—That afternoon recesses be held in elementary schools with this qualification that, whenever need for deviation from said rule arise in individual schools, the principal shall present such need to the Superintendent of Schools and he shall thereupon act as he deems best.

Fifth—That a small sum of money be set aside for the purpose of paying transportation expenses of defective children to enable them to attend schools set aside for such pupils, when it appears that the parents of such children cannot afford to pay that expense.

June, 1916.

First—That, at the Humboldt Evening High School, an office assistant and recorder be appointed; and that a teacher of Penmanship be appointed.

Second—That recommendations relative to the high school needs, set forth in the "Report on High Schools and Recommendations" of May, 1916, be reaffirmed, with details as to necessary appointments and assignments.

July, 1916.

First—That thirty-four new classes be organized at specified schools; that overcrowding be avoided by erecting temporary buildings in two specified locations; and that consolidations of classes be effected in specified locations.

Second—That a submitted list of text-books for high schools be adopted.

August, 1916.

That the Board of Education set aside and employ sufficient funds for the purpose of engaging the services of truant officers under its own direction.

THE CIVIL SERVICE PLAN FOR THE APPOINTMENT OF TEACHERS  
FOR THE CITY AND COUNTY OF SAN FRANCISCO.

By Alfred Roncovieri.

As the real objective of education is the rearing of a perfect citizen, so should it be the purpose of governing educational bodies to adopt and enforce a system through the exercise of which the services of the most competent instructors may be secured. It is not educational qualifications alone which denote the successful teacher, any more than the adoption of an excellent course of study could be said to insure the successful education of a pupil. A teacher must be, aside from the standpoint of academic qualifications, of agreeable disposition, strong personality, good bearing and address, as well as perfectly sound in health and possessed of sufficient bodily vigor to do effective teaching. The importance of a teacher's life work can not be over estimated. To her is entrusted a sacred duty, since the child comes directly under her control during its formative period. None can gainsay the fact that the force of the teacher's example, and the general environment of the classroom, play a most important part at this impressionable stage of a child's career.

The most solemn duty which devolves upon a Superintendent of Schools and a Board of Education is the selection of the best teachers in the United States for the education of the innocent children who are entrusted to their care. All other duties sink into insignificance compared to this one. Therefore, a sound plan for the selection and appointment of teachers is the most important function in the proper administration of public schools. With these ideals in mind, a plan was adopted and a crude beginning was made in the fall of 1901. This was the first attempt ever made in San Francisco to hold a competitive examination of teachers.

In the Spring of 1902 I worked out the details of the present plan and placed it definitely on a practical basis by making many changes and introducing innovations theretofore untried.

After three years of preliminary trial and experimentation with this system, which proved its practical effectiveness and its fairness to the satisfaction of all concerned, I requested the Board of Education formally to adopt the competitive civil service plan which I had prepared. This was done by resolution of the Board in May, 1904, and the system became thereafter permanently fixed in the San Francisco School Department.

This Competitive Civil Service System has been faithfully adhered to ever since its formal adoption, although modifications and improvements have been made from time to time on my recommendation, and the plan has been strengthened until now we believe we have the best system yet devised for the selection and appointment of teachers.

San Francisco, through the sifting process of this Civil Service Plan, has become possessed of a corps of well-prepared, enthusiastic, faithful and efficient teachers unsurpassed in any other school department in the United States.

In preparing the present Competitive Civil Service Plan and in proposing its permanent adoption my object was to eliminate and prevent all political, social, fraternal and religious "Pulls" from exercising their pernicious influences in the conduct of school affairs. Under this system applicants for positions are not obliged to expend their time, energy and money in "seeing" and "influencing" the Superintendent of Schools or the members of the Board of Education, or in importuning their friends to do this for them. Those who are successful in the examination, and who receive appointments in the order of their rank, are relieved from anxiety and worry, and are free to devote all of their time to their work. They are not obliged to keep in touch with politicians or other "influential citizens", or to dance attendance on a too frequently complacent Superintendent

of Schools, who is himself the creature of a Board of Education, many members of which are ordinarily controlled by political and other dark considerations.

Annually in the months of May and June many cities drop all their teachers from the roll. The entire teaching force is dismissed in order to "get" one or more teachers who have not been "right". Great injustice is often done in this way. Frequently teachers of excellent character and ability are not re-elected for the sole reason that they are "not politically right."

To dismiss all the teachers of the department, and almost immediately to re-elect all who are "satisfactory" (?), dropping from the new list by omission of their names, those who are "not satisfactory" (?), is a piece of cowardice on the part of the Superintendent who engages in this dirty work, and a disgrace to the Board members who are guilty of taking part in such sharp practice. If a teacher is no longer wanted, owing to good and sufficient reasons, the school authorities should have enough manhood to tell her so, first giving her an opportunity to be heard in a public meeting if she so desires. To drop the teacher in an underhand way attaches dishonesty and shame to any school superintendent or board member who engages in it. It is crooked work, and succeeds only when a superintendent appointed by a Board of Education is of the kind willing to take orders from the Board and to make a door-mat of himself to save his job.

The San Francisco Competitive Civil Service System for the selection of teachers, if adopted everywhere, would prevent the injustice so often practiced on excellent teachers by removing them from the too-often baneful influence of an appointed superintendent who holds his position by the grace of politicians and a political Board of Education, and who, to retain it, is compelled to play the "trimmer" almost constantly.

I am induced to elaborate thus in explanation of the San Francisco Competitive Civil Service System because at times petty and unjust reflections have been cast upon the teachers of this city and upon the Superintendent of Schools by self-appointed educational critics.

The honest treatment and square deal given to all those who have been candidates in the competitive examinations is evidenced by the fact that in sixteen years not a single complaint against our system has ever been made by any one of the hundreds of candidates who failed to pass the examination.

It is not difficult to account for the eagerness displayed by teachers throughout California and other States to secure positions in San Francisco. Our city offers the most attractive field of labor on the coast, higher salary, permanent tenure, social and educational advantages, and finally, the enjoyment of a pension at the time of retirement.

Private and personal interests, and established custom, at first opposed our Competitive Civil Service system for the appointment of teachers. But, after a trial of sixteen years our system is here to stay, for it rests upon correct principles.

I believe that public sentiment will in due time cause our present Competitive Civil Service Plan to be formulated into a State law making it a compulsory on all Boards of Education to select their teachers impersonally and on merit alone.

In developing and perfecting the present competitive system which I count the most important educational work for which it is my privilege to claim at least a considerable share of responsibility, I had in mind the following statement of principles found in a report addressed to the Board of Education in 1901, by a select committee composed of President David Starr Jordan, President Benj. Ide Wheeler, State Supt. Thomas J. Kirk, Dr. E. P. Cubberley, Dr. Frederic Burk and Dr. Elmer E. Brown:

## PRINCIPLES UNDERLYING THE SELECTION OF TEACHERS.

I. The sole purpose of the public schools is education. No consideration whatever, other than educational interests of pupils, can honestly enter into any plan for the appointment of teachers. In no sense do schools exist to provide employment for teachers.

II. No one should be employed as a teacher who does not possess high personal character, liberal education and bodily health and vigor.

III. Successful experience is manifestly the best evidence of fitness for appointment.

IV. Professional training in the principles and practice of teaching is desirable, and is increasingly demanded in systems of public education.

V. The duty of the Board of Education requires that these officers should frequently take the initiative in securing the best possible teachers for the schools under their management. It is not sufficient that they should merely select from the candidates who apply for appointment.

VI. The employment of any sort of personal or political influence to secure appointment to the teaching force, or the urging of any consideration other than fitness for the work of teaching as a ground for such appointment, is held to be an act of unprofessional conduct.

## GENERAL PROVISIONS REGULATING THE EXAMINATIONS.

The San Francisco Competitive Civil Service System for the selection and appointment of teachers disregards all questions of personal, social, political, fraternal or religious influences. It is based *solely on merit* as primarily determined by the competitive examination of applicants who already hold regular teachers' certificates issued under the laws of the State of California, and by a successful probationary period of actual teaching covering two years.

The object of the examinations is not primarily to test applicants as to their proficiency in primary and grammar studies, but to select the best of those graduates of Normal Schools and Universities who are already certificated as teachers under our State laws. Applicants must furnish, before the examination, full information relative to their academic preparation, their professional training and their experience in teaching. Each applicant must give the names of not less than three nor more than seven persons who are competent to speak of his or her moral character and fitness for the work of teaching. Such references must include persons whose official positions enable them to give the most exact and pertinent information with regard to the applicant's scholarship, training, experience and general character and efficiency. General letters of recommendation are not considered. Confidential statements are requested from persons competent to speak of the applicants' qualifications. Such statements are made in answer to a uniform list of questions, and in case of doubt supplementary information relating to these questions is called for from other persons who may be deemed competent to speak intelligently of the candidate's qualifications.

These evidences of the qualifications of the applicants are canvassed, and a list is prepared of candidates who are to participate in the competitive examination. No candidate for the Civil Service Examination is included in this list who does not hold a valid California State teachers' certificate of a grade not lower than the grammar grade authorizing such candidate to teach in the schools of the State. Nor is any applicant included in this list if the information obtained indicates that such applicant is not a suitable person to be appointed as a teacher in the schools of San Francisco.

During the oral examination applicants have ample opportunity to demonstrate their fitness and general ability, but no applicant is privileged to call on the

Superintendent, or members of the Board, individually to press his or her claims for appointment, nor must the friend of any applicant endeavor to use any personal, political or social influence with any member of the Board. The employment of any sort of personal, political or social influence to secure appointment to the teaching force, or the urging of any consideration other than fitness for the work of teaching as a ground for such appointment, is held to be an act of unprofessional conduct, and debars the candidate from taking the examination.

It is the duty of the Superintendent and of every member of the Board of Education immediately to report the fact, should any attempt be made by any one to employ improper personal, political, or other influence in connection with these examinations; and the candidate concerned in such attempt would thereafter be considered debarred for appointment, assignment, or election to a teaching position unless such candidate satisfy the Board that he or she was not responsible, either directly or indirectly, for the actions so reported.

All assignments to teaching positions on the schools of San Francisco are made from a Substitute List, and no person is appointed to this list except by a unanimous vote of the Board, and after having successfully passed the regular Competitive Civil Service Examination.

To insure absolute fairness in the examinations the system includes a plan by which the identity of all of the candidates is completely concealed from the examiners and from everyone else, until the percentages attained by all of the candidates in all of the tests have been determined and recorded.

All teachers before being appointed must show that they are under 35 years of age, and must obtain from one of the consulting physicians of the Board of Education a certificate showing that the holder is perfectly sound in health and possessed of sufficient bodily vigor to do effective teaching.

It is not to be understood that the successful passing of the competitive examinations, oral and written, leads immediately and irrevocably to permanent tenure in the San Francisco School Department. The system under which these examinations are held *does* insure to every worthy candidate a fair and open chance to secure admission to the Department strictly upon merit. Once admitted, however, there is yet before her the test of two years' service as "*Probationary teacher*" before the much coveted prize of *life tenure* is finally won. To appoint a teacher for life who, however brilliant in the passing of an examination, has given no sufficient proof the possession of practical teaching ability and a strong personality would obviously be absurd. But if, upon the expiration of the probationary period of two years, the reports of the principals and all of the Deputy Superintendents under whom the probationer has taught are favorable as to her moral and educational qualifications, including, of course, her ability to enforce discipline, she is elected by the Board of Education, on the Superintendent's recommendation, as a regular member of the teaching force. Her tenure in her occupation is now for life, subject still, however, to the condition that her behavior and efficiency continue unimpaired, as also her willingness to observe properly the rules of the Department. She may at any time be dismissed as provided by law for insubordination, immoral or unprofessional conduct, intemperance and evident unfitness for teaching; but she must be given a fair and impartial trial after due notice of any charges made against her. *Life tenure*, with its accompanying feeling of independence and freedom from doubt as to the chances of the future, is a prize worth winning, but it will be seen from what has been stated as to the conditions attending the securing of admission to the department, and insuring permanency therein, that it is not lightly bestowed.

And it is right and proper that this should be so. The American citizen is ever willing to contribute to the maintenance of the public school system. He does so uncomplainingly and without hesitation or quibble, for to him the very mention of our schools possesses a talismanic power, for is not our public school

system the most sacred and jealously guarded of American institutions? The right-thinking citizen regards the taxes paid for the support of our schools as one of the very best of his investments. But he demands for his children the best that is to be had in the way of instruction and instructors, and he is fair enough to ask for such teachers who prove their worth the peace, contentment and permanency of position to which their merit entitles them. This is the true spirit of Civil Service reform. Our citizens realize, as we all should realize, that the effect of the teachers' spiritual contentment is reflected in the lives and the intellectual progress of the pupils.

#### RESULTS OBTAINED.

Judging by the large and splendid corps of teachers which has been selected during the past 16 years under our system, I can only say that the results obtained have fully justified it. Through its enforcement by an honest and loyal Board of Education, ready and willing to carry out all the provisions governing the examination and other tests, the efficiency of our teachers has been elevated to the highest possible standard. I say, most emphatically, that political pressure, social influence, personal intercession and the exercise of improper and unworthy considerations have been completely done away with in the selection of teachers under our Civil Service system—a system which gives the teachers selected under it dignity, independence and freedom from unnecessary worry by delivering them from the necessity of securing annual re-election. Those who are successful in the examination are relieved from anxiety and are free to devote their time and thought to their proper work. A teacher appointed under our system can truly call her soul her own. I fully believe that our Civil Service plan has resulted in the acquisition by this Department of the best available teaching talent in California; also that it at least approximates the ideal plan for the selection and appointment of thoroughly equipped and competent teachers. There is available, in this connection, the testimony of school officials of other and important cities of the State to the effect that the San Francisco plan, by its obvious fairness, as well as by its promise of immediate recognition of ability and corresponding reward therefor, has had the effect of drawing away a number of the best teachers of other departments. That the plan under which the examinations are conducted works well and effectively is proven by the statements of Normal School officials that those of their graduates who succeed at our competitive examinations are uniformly the same individuals who won deserved success during their course of Normal study. In short, it is merit, and merit only, which wins under the San Francisco system, and it was to insure that this should be so, that the system was organized, and that I have ever labored in season and out of season for its development and permanency.

#### CANDIDATES EXAMINED DURING THE LAST FIVE YEARS.

The number of candidates taking the examinations and number passing in the last five years was:

Date	Examined	Passed	Failed
June, 1912.....	117	58	59
June, 1913.....	140	60	80
June, 1914.....	190	91	99
June, 1915.....	167	61	106
June, 1916.....	242	177	65

The average age of the candidates who successfully passed the examinations referred to above did not exceed 24 years, no one being over 35.

## SPECIFIC PROVISIONS.

That fuller knowledge may be had of the exact details of the examination system we publish the following Circular of Information issued for the Teachers' Competitive Examination of 1916:

Examination to be held Friday and Saturday, June 16th and 17th, 1916, at the High School of Commerce building, Fell and Franklin Streets.

Teachers are appointed to this department solely on merit as determined by competitive examinations of applicants who already hold regular teachers' certificates. The object of these examinations is to enable the Board of Education to select the best of those already certificated as teachers.

Requirements:

(1) Applicants must be well-educated, of good character and sound bodily health.

(2) Applicants are required:

(a) To have been graduated from a State Normal School; or

(b) To have been in attendance as regular students for two years in an institution of collegiate grade; or

(c) To have had two years' actual teaching experience subsequent to graduation from an institution of high school grade.

(3) Married women are not eligible for the competitive examinations unless their husbands are totally incapacitated through disease or infirmity.

(4) Applicants must not be over thirty-five years of age.

The written examinations are upon the following subjects:

(1) United States History, American Institutions and current events.

(2) Arithmetic.

(3) General Science.

(4) Personal and public hygiene.

(5) Methods of teaching and school management.

The examinations are not based upon any particular books. The following books, however, indicate the scope and range of the subjects covered by the examination:

United States History and American Institutions:

Epochs of American History Series, three volumes (Longman's).

Government in State and Nation, James & Sanford (Scribner's).

Government in the United States, Garner (American Book Co.).

Arithmetic:

Complete Arithmetic, Hamilton (American Book Co.).

Robinson's Arithmetic with Supplement of Fish's Problems.

Packard's Commercial Arithmetic.

General Science:

Rowell's General Science.

Clark's (American Book Co.).

Nature Studies by Hodge.

Personal and Public Hygiene:

The Human Mechanism, Hough & Sedgwick (Ginn & Co.).

Human Body and Health, Davison (American Book Co.).

Primer of Hygiene, Ritchie—Caldwell.

Primer of Sanitation, Ritchie.

No formal examination in English is given; the ability to write and speak correct, forceful English is determined from a consideration of the examinations in general.

Applicants must obtain at least seventy-five per cent (75%) in each subject. If, however, an applicant falls below seventy-five per cent (75%) but not below sixty-five per cent (65%) in one subject only, and the average in the other subjects is at least eighty-five per cent (85%), the applicant is considered to have passed the written examination successfully but is required to take an examination in that subject at the teachers' competitive examination given the following year.

Applicants who pass the written examinations appear before the Board of Education for an oral examination, designed to test their fitness and technical training for teaching, their general intelligence, their information upon matters of world importance and present-day interest known to all educated persons who keep abreast of the times.

Each of the five members of the Board of Education, without conferring with his fellow-members, marks the applicant, the average constituting the mark for the oral examination. Applicants must obtain an average of at least seventy-five per cent (75%) in the oral examinations. Applicants receiving less than seventy-five per cent (75%) from three of the members of the Board are rejected regardless of the marks obtained in the written examination and of the average in the oral. The average of the marks in the written examination, plus the average in the oral, determines the applicant's rank.

Applicants passing the next competitive examination, to be held in June of this year, will be divided into Classes A and B; Class A will consist of those who have been graduated from State Normal Schools or from the pedagogic departments of recognized colleges and who after such graduation have had at least two years of successful experience. Of this class the first fifty (50) will be assured appointment to vacancies or to new positions in the elementary schools on the opening day of the school year 1916-1917 and their salary will be the usual amount paid probationary teachers, Seventy Dollars (\$70.00) per month, plus allowance for experience in teaching. All the other applicants passing the competitive examination successfully will constitute Class B. Class B will be the eligible list of substitutes and such eligible substitutes, as heretofore, will be appointed to vacancies and to new positions in the elementary schools in the order of their rank as they may be needed.

The competitive examinations are held during the summer vacation about June 10th. The next examinations will be held Friday and Saturday, June 16th and 17th, 1916. When necessary, a second examination for the year is set for the Christmas vacation. Application blanks will be furnished all those asking for them, during the two months preceding the dates set for an examination. They should be filled out and forwarded to the Secretary of the Board of Education not later than one week prior to the examination. Applicants must furnish full information relative to their academic preparation, their professional training, and their experience in teaching. Applicants must give references to at least three persons competent to speak of their fitness for teaching. Such references must include the persons whose official position enables them to give the most exact information regarding the applicant's scholarship, training, experience and efficiency. The Board of Education will not consider general letters of recommendation but will request from the persons referred to by the applicant confidential statements regarding the applicant's qualifications. In case of doubt the Board will call for and use supplementary information from other persons who may be deemed competent to speak intelligently of the candidate's qualifications.

Before appointment to the eligible list the successful applicant must obtain from one of several physicians designated by the Board of Education a statement certifying that the applicant is in sound physical and mental health. The expense of the medical examination is borne by the applicant. The fee is \$2.50.

Before election as regular teachers in the department applicants must serve at least two years after assignment as probationary teachers. They will be assigned for one year and if reported as successful will be re-elected for a second



year. At the close of the second year if still deemed successful they will be elected regular teachers and will hold teaching positions for life, provided they comply at all times with the rules of the Board of Education, the laws of the State of California and the Charter of the City and County of San Francisco so far as they relate to the school department.

Announcement of dates is made in San Francisco's official daily newspaper (Daily Journal of Commerce) and in the Western Journal of Education, as well as in some of the leading newspapers of the State.

A number system is used by which the identity of the examination papers of the candidate is lost.

At each of the sessions the envelope and sheets containing the answers of each candidate are stamped with the same number. This number stamping does not begin, however, until all the examination papers of each session have been turned in by the candidates. The envelope and the set of answers of each candidate have a different number from those of every other candidate. In order to avoid confusion the same number is never used twice. The sets of envelopes, after having been numbered, are all placed in a box which is sealed and deposited in the safe of the Board of Education. After the answers have been examined and marked the seal is broken from the box containing the numbered envelopes. This is done in the presence of representatives of the Board of Education and of the Superintendent's office. The envelopes are opened and the identity of the candidate is then disclosed for the first time.

The written examinations will be held in the High School of Commerce, corner Fell and Franklin Sts., on Friday and Saturday, June 16th and 17th, beginning at nine o'clock a. m. sharp. Applicants will therefore present themselves promptly at 8:45 a. m.

The oral examination is held in the offices of the Board of Education and continues in morning and afternoon sessions until all applicants successful in the written examination have been examined. Each candidate receives notification when to appear.

The following lists used during various years will give some idea of the general character of the questions:

#### QUESTIONS GIVEN IN 1902.

1. Interest. How would you rouse it? Is it all sufficient for accomplishing results?
2. State and describe three essential features of the class recitation.
3. State some IMPORTANT defects of a strictly graded system of classes and give one GOOD remedy for each defect mentioned.
4. Since about 70 per cent of the pupils attending the public schools, on an average, are in the primary grades, which three subjects of instruction do you regard as the most important in training the great mass of our pupils who never enter the grammar school? Give your reasons.
5. Do you think the State School Law which forbids teachers to assign any home-work to pupils under fifteen years of age is a wise provision, and give your reasons for or against this law?
6. What would you do to advance a very diffident or backward child?
7. Discuss the Use and Abuse of Text Books.
8. Discuss discipline, its necessity, aim or aims.
9. Discuss helps to memory.
10. Point out specifically some of the uses and common abuses of the memory in geography teaching, making your explanation show your knowledge of the psychology involved.
11. Explain what is meant by visual, auditory and motor types of thinking, and illustrate by reference to corresponding types of spellers.

12. Why is it that pupils who write neatly in their copy books frequently do much inferior work in original composition? Explain the psychological causes.

#### QUESTIONS GIVEN IN 1903.

1. What is the ultimate end of education? State specifically some of the things education should do for the individual. For society.

2. Considering the limited time at your disposal for the instruction of a large class, what methods would enable you to give maximum attention to the special needs of individuals or groups of individuals that are particularly backward or brilliant?

3. How far can you teach parts of one school subject when you are definitely teaching another subject; for example, how far can you correlate geography with history? Should the attention of the child upon the history material be intensified or lessened by such introduction of geography? Point out some dangers in attempting to correlate subjects.

4. What constitutes an ideal teacher?

5. Discuss the intellectual features particularly active in children and educational significance.

6. Give a description of a model lesson in arithmetic in a primary grade.

7. Discuss the development of the imagination in primary grades—its importance—means to secure it.

8. Discuss maintenance of strict discipline. How it may be tempered and how far relaxation from it may be allowed for the sake of promoting interest, emulation, and fellowship between teacher and pupils?

9. How can you make history teaching contribute directly to training for good citizenship? How far would you require children to learn facts of history, such as dates and names? What importance in history teaching would you give to the ideas and sentiments which have been the causes and results of historical events? What feelings should good history teaching awaken in the pupil?

10. Briefly outline the most approved general methods in use for teaching first grade pupils to read, and show by your explanation your comprehension of the mental process involved.

11. State three advantages and three disadvantages of department teaching in grammar grades.

12. Describe briefly any approved general method of teaching:

(a) Rapid and accurate addition.

(b) Geography.

Justify your methods by psychological reasons.

#### QUESTIONS FOR 1904.

1. Write a model lesson in geography and tell how you would make use of the following in teaching the same: 1, attention; 2, interest; 3, association; 4, memory; 5, imagination.

2. What standards or principles should guide a teacher in advancing or detaining a child at promotion time? Should all subjects have equal weight? If not, suggest some subjects that should have more weight than others. Give reasons in full for your answers.

3. Describe a remedy for each of the following cases: (a) Poor spellers; (b) faulty grammarians; (c) careless calculators; (d) thoughtless memorizing; (e) poor readers.

4. Why is it important to give special attention to ventilation of the school-room? Discuss fully the psychological processes involved.

5. What are your standards of good work in composition? Suggest the most effective way or methods of correcting composition in class. In your suggestion explain the defects as well as the merits of your method.

6. Discuss the method best calculated to secure the friendship and co-operation of a class.
7. How would you make use of the school or public library to the best advantage?
8. In teaching literature what would be your chief aims? What are the defects in the present methods? Would you use the sentences in literature as drills in grammar? Give reasons for answers.
9. How would you make the recitation of each pupil an intellectual activity for every member of the class?
10. Outline an inductive lesson in English grammar.

## QUESTIONS FOR 1905.

1. By the history lesson, how may patriotism be best inculcated?
2. (a) What studies taught in school are especially adapted to the cultivation of the perceptive faculties? (b) Give some illustrations.
3. Tell how you would teach a class to add columns of figures with accuracy and rapidity and justify your method by psychological reasons.
4. How would you direct and encourage home reading? Name ten books suitable for Sixth and Seventh grades.
5. Discuss the Art of Questioning with definite suggestions.
6. How would you teach the ready and correct use of the English language to the First, Second, and Third grades of the primary school?
7. How do you teach "pointing off" in division of decimals? Illustrate with examples showing various difficulties that perplex children.
8. Explain the method to be pursued in teaching writing during the first two years of a child's school life.
9. If you had a pupil with a remarkable gift of memory who succeeds but poorly in original work, such as composition and arithmetic, how would you work to correct the deficiency?
10. What devices would you employ to keep up a good standard attendance in your class?

## QUESTIONS FOR 1907.

1. What are the purposes of school discipline?  
What different ways of disciplining children has the teacher at command?  
Suggest how you would vary the use of these means: With incorrigible children as opposed to sensitive children. With boys as opposed to girls.
2. Suggest the various ways by which the teacher may rest a child from mental fatigue resulting from classroom instruction. Discuss the special merits of each way suggested.
3. When you find a pupil of normal mind who does not know how to study, how would you proceed to remedy the condition? Suggest as many detailed ways as you can of giving him desire and power to study by himself.
4. What are the different ways by which you can convey the meaning of an unfamiliar word, phrase, or sentence to a child? Discuss the relative value of each way.
5. What are the different elements which must be associated in the child's mind in order to make him a good speller? Suggest several ways of presenting and associating these elements.
6. What are the main advantages to be derived from nature study? How would you use the school garden and the school excursion in connection with this subject?
7. What are the objects to be kept in view in the teaching of history in the elementary schools? What are the most interesting and valuable kinds of historical facts to be learned in the primary grades? In the grammar grades?

8. In leading a child from home geography to world geography, how would you proceed?

9. State briefly in detail what means you would use in the primary grades to make your pupils speak and write good English.

10. In teaching arithmetic when would you let the child do the work mentally? When have him write it out in full? When mix both methods?

1. There is a growing tendency to abolish corporal punishment as a means of correcting the faults of pupils:

(a) If you had charge of a school in which corporal punishment was not permitted state briefly how you would maintain order in the case of pupils disposed to be unruly.

(b) If you were allowed to inflict corporal punishment at your discretion, in exceptional cases, state some circumstances under which it might, in your opinion, be resorted to as a just and effective mode of correction.

(c) When a teacher decides that a pupil should be punished for wrong doing, what objects should he (the teacher) have in view; that is, what worthy ends would he expect to reach through the infliction of the punishment?

2. What would you do with a pupil who, from absence or other cause, has fallen behind the class?

3. What rules of order would you insist upon to be observed by pupils in passing from the building during fire drill?

4. (a) Tell how you would teach reading to beginners.

(b) Name the important qualities of good reading.

(c) What are the commonest faults which you have found in the reading of children? How would you correct these faults?

5. Our new Course of Study requires an exercise in rapid addition:

Make out a column of figures suited for this exercise, and say how you would best secure speed and accuracy in performing it.

6. (a) What is the main benefit to be derived from the study of general History? Of Geography?

(b) How would you use Geography in connection with History?

7. (a) Describe a good method of teaching the geographical idea of day and night.

(b) What conditions give a country large foreign commerce? Domestic commerce?

8. (a) In what school year would you introduce the regular study of fractions?

(b) With what other rules of Arithmetic would you correlate percentage?

9. Suppose you had charge of an elementary class consisting of pupils of two consecutive grades; make out a program of daily exercises therefor in regular form, showing the grades and divisions taught, the simultaneous work in each, the hour and duration of each subject, and the time for reviews, oral or written.

10. A great many pupils find it extremely difficult to concentrate their attention on the instruction and explanations of the teacher, or to record mentally the most important points set forth in their reading matter. In the case of normal children, what, in your opinion, is the chief cause of this defect, and how would you remedy it?

#### QUESTIONS IN ARITHMETIC.

1. (a) A pupil writes 425 words in 5 minutes, 3 seconds. At next lesson she writes 521 words in 4 minutes, 5 seconds. At next lesson she writes 593 words in 4 minutes, 17 seconds. At what average rate of speed per minute does she write?

(b) Hale & Co., Stockton, bought of Lamont & Co., San Francisco, 3 doz. plain gold rings at \$20.00 per dozen; 4 gold rings, diamond settings, at \$50.00

each; 6 gold watches at \$15.00 each; 5 sets teaspoons at \$6.00 each. Make out the bill allowing a discount of 25%.

2 (a) A commission merchant received \$50.00 from a country customer with orders to send him ribbon, worth  $6\frac{1}{4}$ ¢ per yard, and to pay himself for his trouble. The merchant charged  $2\frac{1}{4}$ %. How many yards of ribbon did the merchant send to his customer?

(b) A ship worth \$75,000.00 was insured for three-fifths of its value at  $1\frac{1}{2}$ %. The cargo, valued at \$7,500.00, was insured for four-fifths of its value at  $2\frac{1}{2}$ %. Find amount of premiums.

3 (a) If it cost \$312 to fence a piece of land 216 rods long and 24 rods wide, what will it cost to fence a square piece of equal area with the same kind of fence?

(b) Find the interest on \$125.50 from January 1st, 1898, to July 7th, 1899, at 7% per annum.

4 (a) What will it cost to dig a cellar 60'x30'x9' at 33 1-3 cents per cubic yard?

(b) A room is 15 feet square and the walls are 9 feet high. What will it cost to paint the four walls at 25 cents per square yard, making no allowance for doors or windows?

5 (a) If four men build  $12\frac{1}{4}$  rods of fence in  $3\frac{1}{4}$  days, how long will it take 18 men to build 237 6-13 rods?

(b) Four persons engage in manufacturing, and invest together \$22,500.00. At the end of a certain time A's share of the gain is \$2,000.00, B's share \$2,800.75, C's share \$1,685.25, and D's share \$1,014.00. How much capital did each put in?

## GRAMMAR.

1. "In the bosom of one of those spacious coves which indent the eastern shore of the Hudson, at that broad expansion of the river denominated by the ancient Dutch navigators the Tappan Zee, and where they always prudently shortened sail and implored the protection of St. Nicholas when they crossed, there lies a small market town or rural port, which by some is called Greensburgh, but which is more generally and properly known by the name of Tarry Town.

(a) Draw one line under the *entire* subject, and two lines under the *entire* predicate.

(b) Parse the underlined phrases and clauses in above.

2. "The sun that brief December day  
Rose cheerless over hills of gray,  
And, darkly circled, gave at noon  
A sadder light than waning moon."  
Diagram or analyze the above.

3. What is a synopsis?

What is meant by voice?

What is declension?

Give the principal parts of lay, set, go, give and lie (to recline).

*Singing* birds are silent at this season.

The bird's singing under the window awakened us.

What is the use of "singing" in each of the above sentences?

4. "In the Old Colony days, in Plymouth, the land of the Pilgrim,  
To and fro in a room of his simple and primitive dwelling,  
*Clad* in doublet and hose, and boots of Cordovan leather,  
*Strode* with a martial air, Miles Standish, the Puritan Captain,  
Buried in *thought* he seemed, with his hands *behind* him, and *pausing*  
Ever and anon to *behold* his glittering weapons of warfare,  
*Hanging* in *shining* array along the walls of the chamber."  
In the above selection, tell the part of speech of each underlined word.

5. (a) Give sentences illustrating the following uses of clauses.  
(Underline each clause.)
1. Adverbial,
  2. Adjective,
  3. As object,
  4. As subject.
- Give an example of an infinitive used as subject.
- (b) Give an example of a compound and a complex sentence, and explain the difference between them.

## METHODS OF TEACHING.

1. (a) Which study do you consider the most valuable in the ordinary school curriculum, and give several reasons for your choice.
- (b)
  1. Upon what is the science of teaching based?
  2. What should be the great object of teaching?
  3. What are the characteristics of any good method of teaching?
2. (a) What method would you adopt to prevent tardiness; and to secure regular attendance in school?
- (b) What is to be accomplished in teaching English Grammar?
3. (a) What special training is given by Literature, by History?
- (b) By Mathematics, by Science?
4. (a) For what definite purpose and to what extent would you use analysis or the diagram?
- (b) In teaching composition, in any grade above the fourth, state your method as to choosing subject, writing the composition, or correcting it. Name the grade or class you have in mind.
5. (a) Distinguish between principle, method, device.  
Which may change?
- (b)
  1. When is a schoolroom in good order?
  2. What incentive will you put before children for study?

## QUESTIONS IN 1910.

1. (a) The longitude of Portland, Maine, is 70 degrees 15 minutes, and that of Chicago is 87 degrees 38 minutes. What is the difference in time between the two places?
- (b) How many square inches of tin are there in a dozen tin pails of cylindrical shape, the diameter of each being 8 inches and the height 10 inches? (No top.)
2. (a) A rectangular field having an area of  $135 \frac{1}{5}$  acres is  $3 \frac{1}{5}$  times as long as it is wide. Find the length of its diagonal.
- (b) If 9 bricklayers can lay a wall 80 ft. long, 20 ft. high,  $1 \frac{1}{2}$  ft. thick, in 15 days of 9 hours each, in how many days of 10 hours each can 12 bricklayers lay a wall 100 ft. long, 25 ft. high and 2 ft. thick?
3. (a) On \$860.56, \$149.63 interest was paid for 2 years, 8 months, 3 days. What was the rate?
- (b) An agent received \$10,200 with which to purchase wheat at \$1.25 per cental at a commission of 2%. How many centals did he buy?
4. (a) The distance from San Francisco to San Jose is 50.6 miles. An automobile party leaves San Francisco at 10:35 A. M. and arrives at San Jose at 1:20 P. M. What was the average speed on the trip?
- (b) A man owns  $\frac{3}{5}$  of a ship that is worth \$85,000. If the ship is insured for  $57 \frac{1}{2}$  % of its value, how much money would this man receive if the ship were a total loss, and how much would he lose?
5. (a) Subtract 5% from 9.65 and divide the difference by  $(3\% - 2.65)$ .

What number is that from which if we deduct  $\frac{3}{7}$  of itself and  $\frac{2}{9}$  of the remainder, 28 will be left?

(b) A shed is 15 ft. long and 10 ft. wide. It is 12 ft. high in front and 7 ft. high in the back. How much lumber (one inch boards) should be ordered to cover the four sides, adding 10% for waste.

How many full bundles of shingles should be ordered for the roof, if there are 250 shingles in a bundle, and they are laid so that one thousand cover an area 80 square feet?

## GRAMMAR.

1. Part of speech of the underlined words, and why?

- (a) (b) He is *as* honest *as* he looks.
- (c) He came *as* he had promised.
- (d) There is little hope, *but* I shall try.
- (e) *There* is no lad *but* honors his mother.
- (f) The game is not *worth* the candle.
- (g) This is the book *that* I prefer.
- (h) Not *that* I love Caesar less.
- (i) *The* longer we live, the more we learn.

2. Name the principal and subordinate clauses, and tell how subordinate clauses are used:

The drawbridge dropped with a surly clang,  
 And through the dark arch a charger sprang,  
 Bearing Sir Launfal, the maiden knight,  
 In his gilded mail, that flamed so bright  
 It seemed the dark castle had gathered all  
 Those shafts the fierce sun had shot over its wall  
     In his siege of three hundred summers long,  
 And, binding them all in one blazing sheaf,

3. In the above selection tell what each participial and prepositional phrase modifies.

4. Give the case of nouns and pronouns and why, and parse all finite verbs in the following selection:

The investigations and prosecutions initiated by Secretary Hitchcock and carried on by his successor, Secretary Garfield, demonstrated conclusively that land thieves have been for some time getting possession of the public domain, and that they have had sometimes the direct, sometimes the indirect, aid of public officials in and out of Congress.

5. Are the following correct? Give your reasons:

- (a) I saw him many times this year.
- (b) One of his best friends were accused of the crime.
- (c) It looks like it would rain to-day.

## METHODS OF TEACHING—SCHOOL MANAGEMENT—HYGIENE.

(Write not more than one page on each lettered division of a question.)

11. (a) Discuss the importance of the personal life and character of the teacher in relation to her profession. Illustrate.

(b) How much time should a teacher spend daily out of school hours in preparation of her work, and how should that time be spent?

12 (a) How would you handle the "topical method" in History, in study and recitation, and what are its advantages over the "question and answer method"?

(b) How may the judgment be trained in History study?

13. (a) What are the causes of impure air in a schoolroom, and what are its effects on the children? How can a room be ventilated by doors and windows without subjecting some to cold air?

(b) Name two books on "Methods," or History of Education, you have read. Give a brief summary of the contents of one of these.

14. (a) Name the most important factors in moral training. Illustrate by suggesting how the different school subjects might contribute.

(b) How do you teach division and pointing off of decimals? How would you secure accuracy in number combinations?

15. (a) How would you give individual aid to backward pupils in a class of 40 to 50 pupils?

(b) How do you estimate a pupil's fitness for promotion?

#### QUESTIONS IN 1911.

##### ARITHMETIC.

1. (a) The people of a school district wish to build a new school house which will cost \$2,850. The taxable property of the district is valued at \$190,000. What will be the rate of taxation?

1. (b) A man had three lots, each containing  $6\frac{1}{4}$  acres, which he re-divided into building lots of  $\frac{5}{8}$  of an acre each. How many building lots did he have?

2. (a) How many square inches are there in the surface of a cube whose solid contents are 2,744 cubic inches.

2. (b) If 120 bushels of oats last 15 horses 56 days, in how many days will 6 horses consume 90 bushels? (No analysis. To be answered by proportion.)

3. (b) A grocer bought 7 gallons of wine, and lost two gallons by leakage. He sold the remainder for \$8.05 a gallon, making 25% on the whole. What was the cost per gallon?

4. (a) Mary bought a piece of silk for \$63.50; she found, on measuring the silk, that she had only \$61.25 in value. How many inches to a yard were given her?

4. (b) For what sum must a three months note be drawn so that, when discounted at a bank at 6%, the proceeds will pay for 75 barrels of flour at \$8.50 per bbl.?

5. (a) Find the difference between the simple and compound interest, computed annually, of \$1,200, for three years, three months, at 8%.

5. (b) Berlin is  $13^{\circ} 23' 53''$  east longitude, and San Francisco is  $122^{\circ} 26' 12''$  west longitude. When it is 12 M at San Francisco, what time is it at Berlin?

##### GRAMMAR.

6. Correct, where necessary, giving reasons:

(a) "It is them."

(b) "Who will the book be read by?"

(c) "Than who none higher sat."

(d) "Every man, woman and child lifted their voice in anger."

(e) "I do not like those kind of people."

7. Choose the better tense, with reasons:

(a) "It had happened before I saw him," or

"It had happened before I had seen him."

(b) "I should have liked to have done it," or

"I should like to have done it."

(c) "We have met on a great battlefield," or

"We are met on a great battlefield."



8. Give the principal parts of:  
 Awake, begin, blow, break, do, sing, swim, drink, steal, write, teach, catch, forget, take, fall.
9. Distinguish the adverbs and the adjectives in the following sentences:  
 He was sick *nigh* unto death.  
 The tumult shows the battle *night*.  
 How *ill* this taper burns.  
 All left the world much as they found it.  
 Much learning doth make thee *mad*.
10. Tell the part of speech each italic type word is, and give reason for your classification:  
 Heaven still guards the *right*.  
 Be sure you are *right* and then go ahead.  
 He will *right* the wrongs of the innocent.  
 And that my soul knoweth *right* well.  
 He is an *American* and glories in the right of an *American* citizen.  
 His years *but* young, *but* his experience old.  
 Quick! *man* the lifeboat.  
*Man* wants but *little* here below.  
 Nor wants that *little* long.

## METHODS OF TEACHING.

(Answer to each question to be limited to one page.)

11. (a) How best may the problem of retardation be met by the class teacher?  
 11. (b) When, if ever, is corporal punishment justifiable? What are the special dangers in its use?
12. (a) State three ways in which interest may be aroused and facility be developed in the writing of compositions.  
 12. (b) State the educational justification of the school garden?
13. (a) Discuss the relationship between the personal character of the teacher and its effect upon the moral development of the child.  
 13. (b) Name five essential qualities for a good teacher to possess.
14. (a) What qualities should characterize the work of a "good disciplinarian"?  
 14. (b) How would you deal with a restless class of fourth grade children placed indefinitely in your charge?
15. (a) Do you favor the holding of examinations at regular intervals in the grades? State your reasons for or against.

## QUESTIONS FOR 1912.

## AMERICAN HISTORY AND INSTITUTIONS.

1. What parts of American History should be taught, and during what years, to children before the Seventh Grade?
2. What purposes would you have in mind in teaching the "Revolution Period" to a Seventh Grade class? and how would you use the material?
3. Name 10 characters in American history a study of whose lives and public services would give a fairly connected view of the Nation since 1750.
4. Give your reasons for and against teaching Grammar Grade pupils both sides of the Civil War struggle, fairly.

5. Among "current" happenings since June, 1911, in political, industrial, religious and cultural interests, what do you consider suitable for instruction in the Grammar Grades?

6. Had the Panama Canal been built by private enterprise, would it have been a fact of "history" as much as when built by the Government? Why?

Answer the first, third and fifth questions, and two of the other three.

#### SCHOOL METHODS AND MANAGEMENT.

(Answer two out of the first four, and five others.)

1. (a) It is often urged that we should teach reading, history, geography and civics in close relation, making each serve the purpose of all. Is this a good plan or should we keep the subjects of the curriculum separate? Explain.

(b) Is it better to teach geography by topics or by countries? Give reasons for your answer.

2. Which is better; to keep the class upon a topic (e. g. alcohol, the Revolutionary War, interest, etc.) until they have mastered it, or to return to the topic at different times and from different points of view? Explain.

3. In the teaching of U. S. History what would be the relative emphasis placed on (1) industrial development, and (2) political and military events? Why?

4. (a) Mention some general principles which ought to govern the selection of topics for nature study.

(b) With what subjects is nature study readily correlated?

5. (a) What should be done with the dull pupil who is over-age for his grade but has not done his year's work satisfactorily?

(b) State some important facts and list some important questions relating to the general problem of retardation.

6. Name as many recent books as you can bearing on the pedagogy of the following subjects: reading, writing, spelling, nature study, arithmetic.

7. (a) State as specifically as possible what you would do to improve the spelling of children who continually miss even the simplest words.

(b) In the teaching of spelling what objection or objections could be raised to the use of such words as the following taken from the State Series Speller? Fillet, timorous, frieze, fuchsia, epaulet, aconite, lapidary.

8. (a) What is the proper temperature for a classroom?

(b) What special considerations should govern the seating of pupils in the classroom?

(c) What are some specific effects of Open Air schools upon pupils?

(d) Will you require home study? If any, how much and in what studies?

9. (a) What is the best method of preventing disorder?

(b) To what extent, if at all, would you permit one pupil to help another with his lessons?

(c) Is it better to punish rarely and severely, or to punish less severely but to exercise great care in calling to account for every offense? Explain briefly.

10. Define or explain each of the following terms: experimental pedagogy, adolescence, school clinic, vocational guidance, Binet mental tests, social center activities, ungraded class, Batavia teacher, inductive method.

## ARITHMETIC—FIRST 6 YEARS.

1. Write out in full all the possible combinations of change one can make for a quarter of a dollar. With what age of children could such problem be used?

2. What common fractional forms (specify) can be taught to children profitably, during the first 3 years? Why should these be taught? Why not others?

3. A newsboy buys nickle papers, three for a dime; how many papers must he sell to clear \$1.00? What preparatory teaching would you want to do before giving this problem to a class of Fourth Graders?

4. How early can demical fractions be taught profitably? Is the notion, one tenth, more difficult than one-fifth? Why?

5. In "reduction of fractions" you accustom the pupil to see the given fraction in two or more forms having the same value: as  $1\text{-}2=2\text{-}4=5\text{-}10=7\text{-}14$ , etc. What use do you make of this principle in working with integers, as in addition or subtraction?

Answer all five questions.

## ARITHMETIC.

(Write legibly. Answer ten.)

1. A man bought a lot for \$1,500 and built a house on it costing \$3,000. He rented his property for \$300 a year. Taxes, repairs and insurance cost him \$74.00 a year. What per cent does he make on his investment?

2. There are 48 pupils and a teacher in a room 36 ft. long, 30 ft. wide and 14 ft. high. If fresh air is introduced at the rate of 30 cu. ft. per person per minute how often is the air of the entire room renewed?

3. If a city raises \$13,093.75 from a  $\frac{1}{4}\%$  tax, what is the assessed valuation of the property in the city?

4. The diameter of a circular tank is 8 feet. How high must it be to contain 15,000 gallons.

5. (a)  $48.225 \div 15 = ?$

(b)  $.124$

$\frac{\quad}{\quad} = ?$

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6. The sum of two numbers is 10, and the sum of their squares is 52. Find the numbers by algebra.

7. What arithmetical knowledge should children entering the seventh grade possess? Answer fully.

8. In seventh and eighth grade arithmetic which is better; to teach the short cuts and abbreviated forms of solution used by accountants and business men, or to require the pupil to make a detailed analysis of his solution by formally setting forth each step in the process? Give reason.

9. If a pupil in the seventh grade is excellent in all his studies save arithmetic, but fails in that branch, should he be promoted? Give reason for your answer.

10. What are some of the newer trends in the teaching of seventh and eighth grade arithmetic as regards:

(a) The subject matter covered.

(b) The nature of the problems used in the teaching of a given topic.

11. Does the reasoning ability which is gained through the study of arithmetic enable the pupil to reason better in matters pertaining to history, geography, etc? Defend your answer.

## QUESTIONS FOR 1913.

## GENERAL SCIENCE AND PUBLIC AND PERSONAL HYGIENE.

1. In what respects, and for what reasons, do the problems of school hygiene and school sanitation differ from those of the home, the church, or the shop?
  2. In what ways can the school assist in the fight against tuberculosis and other communicable diseases?
  3. What are the arguments for open-air school and open-air sleeping rooms?
  4. What wholesome habits of personal hygiene may the schools hope to fix, for children under 12 years of age? For Grammar Grade children?
- Answer questions 1 and 4, and either 2 or 3.
5. What are the several purposes of nature study during the first four or five years of schooling? During the later elementary grades?
  6. What is meant by the "Science of Common Things"? Name three groups of such studies, and submit an outline of one of them, for a selected grade.
  7. What "heat" studies would be appropriate for a Fifth Grade? An Eighth?
  8. What "laboratory" or "field" work have you done in any of the sciences?
- Answer 5 and 8, and either 6 or 7.

## METHODS AND SCHOOL MANAGEMENT.

1. What are the factors involved in deciding upon fitness for promotion? And what is the relative importance of each of these factors?
2. As a room (or class) teacher, what is your responsibility toward pupils of the following groups?
  - (a) Backward children.
  - (b) Children of defective hearing.
  - (c) Children of defective vision.
  - (d) Morally delinquent children.
  - (e) Subnormal children.
3. Explain what is meant by "school incentives"; natural and artificial incentives. Name some incentives that are objectionable; why? Some worthy incentives; why?
4. What factors are involved in the arrangement of a daily program? Construct a provisional program for your grade. Explain its provisions.
5. What wholesome function can a parents' association serve for your school? Make a list of possible services.
6. Characterize an effective recitation for your grade, in some one subject.
7. What do you expect from children below the Fifth Grade in "preparing a lesson"? In the Grammar Grades? (Take some selected subject.)
8. Name and explain the uses of supplementary reading and references, below the Fifth Grade; in the Grammar Grades.
9. Discuss the statement: "The arousing of the pupil's interest is both a means and an end in his education."
10. Show how hand-work may be used to re-enforce the academic or book-work, in some one selected subject, in a given grade.

Answer the 2, 3, 6 and 8 and any other two of the remaining six questions.

## UNITED STATES HISTORY, AMERICAN INSTITUTIONS AND CURRENT EVENTS.

(Answer ten of the eleven questions. Avoid making your answers unnecessarily long.)

1. The Conservation of Natural Resources.
  - (a) State what is included in this term.
  - (b) What problems connected with it have commanded special attention and interest in recent years?
  - (c) Mention some names prominently associated with the conservation movement.
2. (a) What are some of the main features of the tariff bill now before congress?
  - (b) Explain what a tariff commission is and why one would (or would not) be desirable.
3. With what accomplishments are the names of the following men connected: S. F. B. Morse, James B. Eads, Cyrus McCormick, Elias Howe, Henry Clay, Commodore Perry, Alexander Hamilton, William Howard Taft, Robert M. La Follette?
4. Mention as many instances as you can in which controversy has arisen over the question of state's rights. Give specific facts.
5. Outline some of the important considerations relating to the content and methods of teaching civics:
  - (a) In the first five or six grades;
  - (b) In the last two or three grades.
6. International peace.
  - (a) Give definite facts showing its desirability.
  - (b) What are some of the obstacles in its way?
  - (c) What part should the school play (if any) in regard to this issue?
7. Explain why California is interested in the Panama Canal. In what ways will it probably affect California industries?
8. The Monroe Doctrine.
  - (a) What is it and what was its origin?
  - (b) Give instances in which it has influenced the action of the United States.
  - (c) What is the general attitude of European countries toward the doctrine?
9. What were some of the leading after-effects of the civil war on the South?
10. (a) How is an amendment to the Constitution of the United States brought about? (b) Give as many as you can of the amendments that have been made.
11. What change is being effected in the election of United States senators, and what considerations have led to this change?

## ARITHMETIC.

(Answer seven of the first eight and three of the last four.)

1. If a baker's loaf weighs 9 ounces when wheat is worth 90 cents, what should it weigh when wheat is worth \$1.50?
2. What will it cost to carpet a room 27 feet long and 13 feet 6 inches wide with carpet 27 inches wide costing \$1.87½ a yard—allowing ½ a yard on each strip for matching?

3. In digging a well 5 feet in diameter and 24 feet deep how many cubic yards of earth must be removed?
4. A man who has \$7850 out on interest at  $6\frac{1}{2}$  per cent (with reliable security) calls in the money and invests it in a manufacturing enterprise. At the end of eleven months he sells his interest in this for \$8000 cash. No dividend having been declared and no assessment having been made during the eleven months, to what extent did the man gain or lose by the manufacturing venture?
  5. Reduce the following to decimals, carrying four places if necessary:
    - (a)  $\frac{25}{36}$ , (b)  $\frac{15}{16}$ , (c)  $3.4\frac{1}{2}$ , (d)  $.85\frac{7}{11}$ .
  6. Make out a bill for the following and receipt the bill:
    - 2 packages of white drawing paper at \$1.85.
    - 5 gal. of black ink \$4.60.
    - 3 packages of legal-cap paper at \$2.00
    - 2 gross lead pencils at 30c per dozen
    - 1 box assorted rubber bands at \$2.75.
  7. How much less is the distance along a diagonal path across a rectangular field 40 by 80 rods than the distance around two sides of the field?
  8. Two logs are "similar solids" but of different size. One of them is 2 feet in diameter at the larger end and contains 1000 board feet. The other log, which is 3 feet in diameter at the larger end, contains how many board feet?
  9. What are the Courtiss Standard Tests in Arithmetic and for what purposes are they intended?
    10. What factors determine the value of any subject in arithmetic?
    11. State, with reasons, your opinion on the following questions:
      - (a) Keeping a pupil in and having him write the multiplication table one or more times.
      - (b) Letting children count on their fingers or by the use of objects.
      - (c) Teaching all possible combinations of numbers below 10 before letting the child deal with larger numbers.
    12. (a) Explain the purpose and value of drills in mental arithmetic. (b) About what proportion of the time would you give to mental arithmetic in the fourth, fifth and sixth grades?

#### QUESTIONS FOR 1914.

##### GENERAL SCIENCE.

1. What may profitably be included in "Science" studies in the first five grades? In the sixth, seventh, and eighth grades? What are the purposes to be kept in mind in each group?
2. Work out an outline for a series of lessons on "Moisture", for your grade—its constituents, forms, relation to life, relation to industry, relation to landscape beauty.
3. Characterize the respective fields of (1) object lessons, (2) nature study, (3) geography, and (4) systematic science, in the upper grades. In matter, and method of teaching, how are they similar? How different?
4. Describe the work of school gardening for your grade, and the science lessons to accompany it. How would you manage this work in the general program of school exercises? and what educational purposes should it serve?

Answer the first and third questions, and either of the others.

## HISTORY AND CIVICS.

1. Tell the story, in 300 or 400 words, of the migration of the peoples across the Alleghenies and into the Mississippi Valley; when, by what routes, why, and a few of the principal frontier settlements—all before 1850.

2. Recount important social, economic, and cultural movements, north, south and west, 1860 to 1900, and trace their relations to the Civil War results.

3. Name the three or four great national political movements in the United States in the last 25 years, and tell why they are significant.

4. If but three civic (citizenship) questions were to be worked upon by your grade for a half year, what ones would you select? How could you treat one of them for your children?

Answer the first and fourth, and either one of the others.

## ARITHMETIC.

(Answer 10.)

1. The diagonal of one face of a cube is 162 inches. Find the volume of the cube, and its surface.

2. A tinsmith wishes to make a pattern for the bottom of a pail, the area of the bottom being 164 square inches. If he must allow, in addition,  $\frac{1}{4}$  inch all around for soldering what radius should he use in drawing the circle for the pattern?

3. A certain creamery uses 6400 pounds of milk a week. The skim milk amounts to 80% of the whole and tests  $3\frac{1}{5}\%$  butter fat. How many pounds of butter fat are lost in the skim in a year?

4. A certain State, whose valuation is \$1,800,000,000, has an annual tax of \$0.07 on the \$100 for the support of its three state colleges. This revenue is divided among the three schools in the proportion of 2, 2 and 1. What income does this provide for each school?

5. Which gives the better rate of income: a 6% bond at 120, or a 5% promissory note, ignoring the brokerage? Explain.

6. (a)  $48,255 \div 15 = ?$

(b)  $120.12 \div 1.9 = ?$

(c)  $.124$

$\frac{\quad}{\quad} = ?$

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(d)  $\frac{1}{2}$  of  $.695 \div 11 = ?$

7. How long will it take 12 men working full time to do a piece of work which 8 men can do in 54 working days working  $\frac{3}{4}$  time?

A ship at 69 degrees, 4 minutes and 40 seconds W. receives a wireless telegram from a ship at 60 degrees, 12 minutes and 15 seconds W. at 10 a. m. When was it sent?

9. A crew can row nine miles an hour down stream and 6 miles an hour up steam. How far can they row down stream and return in 8 hours. (Solve by algebra.)

10. (a) Approximately how many minutes per week should be devoted to arithmetic in each of the following grades: first, fourth, sixth, eighth?

(b) What fraction of your allotment of time for each of the above grades would you give to mental arithmetic?

11. (a) Give illustrations to show how you would introduce children to the subject of denominate numbers.

(b) Do the same for the subject of common fractions.

## METHODS AND SCHOOL MANAGEMENT.

(Answer five in all, not omitting numbers 3, 5 or 6).

1. Discuss tardiness and irregularity of attendance from the point of view of school management.
2. What criteria should rule in the selection of material for class use in the teaching of reading?
3. Give the name of an author who has made an important contribution to the pedagogy of reading. Do the same for writing, spelling, arithmetic and nature study.
4. Discuss the following: "The chief trouble with modern teaching is, that it seeks to get at formal results without regard to the sort of experience the pupil has in reaching the same."
5. What is the value of the recess period?
6. Would you require home work of your pupils? If so, in what grades, in what subjects, and to what extent? (Indicate hours and minutes.)

## PERSONAL AND PUBLIC HYGIENE.

1. What is the chief purpose of hygiene teaching in the grades? Mention devices or indicate methods of procedure which will aid the teacher in attaining this end.
2. Describe somewhat fully the work of the State Board of Health in California.
3. (a) Give specific directions for the care of the eyes.  
(b) Explain fully how you would detect eye defects in children.  
(c) What evils result from defective vision?
4. How is each of the following diseases spread: "typhoid, malaria, tuberculosis, hookworm disease, diphtheria?"
5. From the point of view of hygiene, what are the satisfactory and unsatisfactory features of the following described schoolroom:

Height 18 feet, length 34 feet, width 32 feet. Floors 1x6 soft pine boards. Five windows; three to children's left, one to their right, and one at the rear of the room. Windows are 3 feet wide, reaching within 2 feet of floor and within 6 feet of ceiling. Windows at rear and right are at the middle of their respective walls, those at left have 5 feet of space between them and are as nearly as possible at middle of left wall. Children at their desks face directly west. Half of blackboard is on front, half to the children's left. Number of seats 56. Seats and desks arranged with 2 inches "plus distance". Room is for children of a single grade and desks are of two sizes. Cloak rooms open into rear of classroom and not into hall. Furnace-heated, register in the floor at children's left. No exhaust.

## QUESTIONS FOR 1915.

## ARITHMETIC.

1. For what sum must I give my note at a bank for 90 days at 6% in order to secure \$675.00 cash? (Omit days of grace).
2. A merchant sells 75 pairs of shoes for what 100 pairs cost him. Find his gain per cent.
3. A hot air flue is 12 inches by 24 inches. Find the diameter and circumference of a circular flue having the same area.
4. Wabash 5s are quoted at 107½. How much must be invested in them to yield an annual income of \$1200?



5. The difference between two numbers is 5 and the difference between their squares is 95. Find the numbers by algebra.

6. Is it desirable for a pupil to analyze every problem he solves? Should he analyze any? Reasons for answer.

7. (a) Two girls receive \$2.10 for making button-holes. One makes 42, the other 28. How shall they divide the money?

(b) Mr. Brown paid one-third the cost of a building and Mr. Johnson one-half. Mr. Johnson's share of the rent is \$500 per year more than Mr. Brown's. How much did each receive?

8. Indicate which of the following topics in a course in arithmetic should receive little emphasis, which moderate emphasis, and which great emphasis:

Cube root, complex fractions, accuracy in fundamentals, "cases" in percentage, taxes and public expenditures, greatest common divisor, speed in fundamentals, least common multiple, compound proportion, insurance, apothecaries' weight, savings and investments.

#### HISTORY AND CIVICS.

1. If history be regarded as concerned with the actions and achievements of the people,

(a) In founding and managing a stable government;

(b) In framing moral standards and acquiring practice in following them;

(c) in developing and regulating their industries; and

(d) in stimulating and conserving wholesome family and neighborhood customs and institutions;

What can the school do to help on right practice in these several ways?

2. If you could discuss but one of these two problems in our history:

(a) The struggle for and winning our independence as a nation (culminating in the Revolution and the war of 1812-15); or

(b) the achieving of national unity (through the rise and fall of slavery, and the multiplication of common interests between the north and south, between the east and west), which would you select and why?

3. What effect does or should elementary history studies have upon the ideals and practice of citizenship?

Discuss along with this the methods of teaching history to accomplish these results.

4. For pupils who do not reach high school which part of American history is more valuable—the 150 years of pre-revolutionary colonial life, or the 50 years since the Civil War? Why?

Your answer will depend upon what you conceive to be the purpose of history studies to such youth.

Answer either the first or second and either the third or fourth.

#### METHODS OF TEACHING.

1. Discuss the teacher's responsibility toward

(a) The alert, capable, willing pupil;

(b) The willing and studious, but slow pupil of only average ability;

(c) The capable, but indifferent or unwilling pupil; and

(d) The well-disposed, but born-short pupil.

How does the organization of the school help or hinder you in accomplishing these purposes?

2. In your teaching, what difference do you, or in your proposed teaching, would you make in your treatment of boys and girls just entering their teens, as to (a) instruction and (b) discipline?

3. Of the several studies in the most progressive elementary schools, which ones do you consider the most important for children who are destined to leave school before the high school? Why?

4. Give the educational argument for the introduction of hand and constructive exercises into the elementary schools. Into what grades should they go?

Give the argument from the industrial or economic situation, for including industrial and vocational work in the school course. In what grades does this belong?

Answer No. 4, and one of the other three questions.

### GENERAL SCIENCE AND HYGIENE.

(Answer three out of four in each list.)

#### I. GENERAL SCIENCE.

1. Select one of the following, and give a brief account of its life history and its uses or dangers to man:

- (a) The common house-fly.
- (b) The common toad.
- (c) Some bird (to be selected).

2. (a) What are the functions of the root, leaf, and flower of a plant?  
(b) Explain how you would teach these functions to a class of fifth or sixth grade children.

3. What are the main purposes of nature study in grades below the high school?

4. Explain the composition of air, water and coal.

#### II. HYGIENE.

1. Discuss decay of the teeth under the following heads:

- (a) Prevalence among children of school age.
- (b) Causes.
- (c) Means of prevention.

2. In about 150 or 200 words set forth some of the most important requirements of school sanitation.

- 3. (a) How is the temperature of the body regulated?  
(b) What does heat regulation of the body have to do with health?

4. Explain the most important effects of exercise on the health.

### QUESTIONS FOR 1916.

#### ARITHMETIC.

(Answer any ten)

- 1. Separate \$15,456 into four parts proportional to 2, 3, 4, and 5.
- 2. A school district with an assessed valuation of \$860,291 wishes to raise by special school tax the sum of \$1460. What rate will it be necessary to levy?
- 3. A owns a  $37\frac{1}{2}\%$  interest in a store building which is worth \$20,000. The building is insured for  $87\frac{1}{2}\%$  of its value. If the building is totally destroyed by fire, how much insurance indemnity should A receive?

4. What principal at 6% for 2 years 6 months will yield \$187.50 interest?  
 5. Find the value of  $x$  in each of the following equations:

$$2x - 49 = 69$$

$$345 - x = 135$$

$$9x - c = a + b$$

$$3x - 8 = 1$$

$$\frac{\quad}{\quad}$$

$$\frac{4}{\quad}$$

$$72 - 4x = 56$$

$$\frac{\quad}{\quad}$$

$$5$$

6. Define the following: poll tax, income tax, inheritance tax, internal revenue, tariff.

7. The areas of two similar triangles are in the ratio of 3 to 1. The area of the larger is 1686 sq. feet and one of its sides is 97 feet. How long is the corresponding side of the other?

8. A insures his life for \$5,000, the premium being \$150 per year. He dies at the end of 10 years, after having paid 10 annual premiums. How much does his family gain by the transaction, money being worth 6%, simple interest?

9. "The arithmetic which is taught in the common schools should be the practical kind." Explain and illustrate the above statement.

10. Explain definitely what use you would make of drill in teaching number work.

11. What are the Courtis tests in Arithmetic?

#### METHODS AND MANAGEMENT.

(Answer any five.)

- Describe a well-disciplined school as regards:
  - The degree of quiet;
  - The extent to which pupils are permitted to help one another in their lessons;
  - The number of rules;
  - The amount and kind of punishments inflicted.
- Explain definitely what the teacher can do in the way of teaching children how to study.
- What are some of the most important characteristics of the period of adolescence?
- Explain in about one hundred words how you would teach composition in the intermediate grades.
- Discuss the following statement: "All the great problems of the day must be regarded, in the last analysis, as educational problems".
- Name two noted American educators (living or dead), and discuss briefly the work of each.
- Tell what you can of the recently developed standard tests for measuring pupil proficiency in various subjects. Explain the value of such tests.

#### HISTORY AND CIVICS.

- Cite important happenings—political, industrial, social and cultural, in American history between the close of the war of 1812-15, and the beginning of

the Civil War. What citizenship significance have any of these for school youth today?

2. If the amount of political history is to be reduced, in the upper elementary grades, what material would you substitute? Give somewhat detailed statement of such an outline.

3. What are the important features of American history since the Civil War to be emphasized for the seventh, eighth and ninth grades? Why?

4. What historical material can be used profitably, with children before the sixth school grade? Should it be confined to American history? Why? or why not? To Colonial history? Why? or why not?

Answer the first and second and either of the other two (according as you are interested in the primary, or grammar grades).

#### HYGIENE AND NATURE STUDY.

1. Indicate in a detailed outline a course for the study of birds covering the four grades from the third to the sixth, inclusive—subject matter, method of treatment, amount of time given to it, etc.

2. What parts of physics have value for the household? Of chemistry? Give in detail an example of each.

3. Explain the habits and works of earthworms, bees.

4. Explain the processes involved in the various ways of cooking meats, and the dietetic advantages and disadvantages.

5. Describe standard means of ventilation, and their application to the school room: means of heating, and their relation to ventilation.

6. What are the food values of potatoes, sugar, vegetables?

Answer either the first or second; and two of the other four.

#### SCHOOL SAVINGS BANK SYSTEM.

It gives me pleasure to report that the School Savings Bank System continues in effective and successful operation. Inaugurated in August, 1911, under the plan submitted to the Board of Education by former Director Power, now Supervisor, the system has grown steadily with every passing year in popularity with the pupils of the Department and their parents, and also in business importance. Vice-President A. H. Giannini, of the Bank of Italy, who participated actively in the formulating of the original plan, and in whose institution the accumulated savings are deposited, reports the total of such deposits now on hand as \$292,070.45, and the number of individual depositors as 17,026. These figures show a gratifying increase from the total of \$68,187.37 of depositors, with 7,604 depositors, reported July 1, 1912, after the system had been in effect for one school year. During the past half-year, as is evidenced by comparing the present figures with those reported by Dr. Giannini in an address before the San Francisco Chapter of the American Institute of Banking last February, there has been an increase of \$39,322.63 in the amount of deposits and 1,325 in the number of depositors, since on February 1st the amount on hand was \$252,747.82, representing 15,701 individual accounts. During the first year that the system was in effect about one in every four pupils of the total in average daily attendance maintained accounts, while at present the proportion is one in two and three-quarters—certainly a gratifying proof of the growing popularity of the system.

## DEFECTS IN SPEECH.

The Medical Department of the University of California (Affiliated Colleges) has conducted an exceptionally fine clinic in curing defects of speech. Classes have been held at the College and at one of our grammar schools. These have been well attended and have produced excellent results. We have many children suffering from various defects of speech which if uncorrected will seriously handicap them for life. Most of these defects yield readily to corrective measures if taken in childhood, but if neglected to adult life these defects are nearly or quite incurable. I believe that this work should be undertaken by the School Department.

## STATE TEXT BOOK FUND COLLECTIONS.

Under date of July 31, 1916, there was forwarded from this office to State Superintendent Edward Hyatt at Sacramento, to be deposited in the State Text Book Fund, a certified check for six hundred and sixty-two dollars and fifty-eight cents (\$662.58), which sum represents money received from pupils in the San Francisco public schools in payment for State text books carelessly lost or destroyed during the school years 1914-1915 and 1915-1916, as follows:

1914-1915 .....	\$413.23
1915-1916 .....	249.35
	<hr/>
Total .....	\$662.58

The sending of the 1914-1915 remittance was deferred pending the rendering of an opinion by Attorney-General Webb, to whom Superintendent Hyatt had submitted the question, as to the proper disposition to be made of funds so collected. A previous remittance of eighty-four dollars and ninety-five cents (\$84.95), representing collections for the school year 1913-1914, tentatively made, brings the total of such remittances to date up to \$747.53.

## SAN FRANCISCO PUPILS ESSAY CHAMPIONS.

It is with much satisfaction that I call attention herewith to the excellent showing made by pupils of our San Francisco public schools in the nation-wide "Thrift" contest. Out of the ten essays sent East by State Superintendent Edward Hyatt as the best examples of the work done by the school children of the entire State, four were written by San Francisco pupils. It is certainly something of which we well may be proud that our city, with a total average daily attendance of 46,562, as compared with 372,626 for the State as a whole, should furnish 40 per cent of the prize-winning essays, though possessing only a little over 12 per cent of the attendance. And to obtain four of the ten credits allotted to our entire State we sent but eight essays to Sacramento—there to compete with the scores submitted by all the other cities and counties of California. Probably nearly every school in the State, including, of course, those of all the most important cities north and south, was represented in the contest—a fact which cannot but add greatly to our satisfaction with its results. That satisfaction is further increased by the knowledge that the judge of the contest, State Superintendent Hyatt, is one whose official position as the representative of all the California Schools, as well as his high personal character, makes any question as to his absolute impartiality impossible.

California State Board of Education,  
Office Commissioner of Vocational Education.

Sacramento, Jan. 3, 1916.

Supt. Alfred Roncovieri,  
Superintendent of Schools,  
San Francisco, California.

My Dear Supt. Roncovieri:

Relative to your communication of Dec. 31st, will say that some months ago I had the pleasure of visiting the Commercial High School in San Francisco and was tremendously impressed with the enthusiasm and interest in their work shown by the Principal and Teachers of that Institution.

The thing that appealed to me most strongly was the fact that the teachers of your Commercial High School make it a business to keep up with the demands of the commercial world. In every class that I visited I found the teachers using forms secured from business offices in San Francisco rather than from some text book, and these teachers seemed to know what the forms which they were teaching meant.

In my judgment San Francisco has a Commercial High School of which it can be justly proud.

I also visited the Humboldt Evening School during the latter part of last year and must say that I was astonished with what I observed there. I am sure that few people, even around the Bay region, appreciate the fact that San Francisco has for many years maintained such a thoroughly efficient evening vocational high school.

The thing that appealed to me in this Institution was the fact that the pupils in the school were being given the work which they desired rather than the work which some one else thought they desired. The teachers were men from the practical walks of life and they were instructing these young people largely in the technical subjects which supplemented their daily work.

I am free to say that I consider the Humboldt Evening High School one of the most effective Institutions in the State of California.

With best wishes for the New Year, I remain,

Yours very truly,

(Signed) EDWIN R. SNYDER,  
Commissioner of Vocational Training.

ERS/DB

DEPARTMENT OF MUSIC, PUBLIC SCHOOLS.

Report of Miss Estelle Carpenter, Supervisor and Director of Music.

August 1, 1916.

Mr. Alfred Roncovieri,  
Superintendent of Schools,  
San Francisco, California.

My dear Sir:—

In reply to your request, I herewith submit the following report of the work done in the Music Department of the city schools ending June, 1916.

From the inspection of the work made during the past year, the results have shown a growth in many directions.

A deliberate process of education based upon scientific pedagogic and psychological principles has been pursued.

The process of interesting the child, through the singing of beautiful songs, has been the primary step in the musical education. By means of this interest

the child has been lead through the various paths to a knowledge of technical facts, and the child has been led to study the subject with such a whole-souled interest that he gradually realizes in some measure the depth and beauty of music's meaning and influence.

Music is the language of the soul which is the source of spiritual life and worthy action. The emotions may be intensified and uplifted by the continuous use of the right kind of music. This will have the correct effect upon the impulses. There is no other subject that can so grip the whole child. It gives him poise, power, and a higher development, because it gives him a higher love. Through this subject, the best of the physical, mental and spiritual nature can be vivified and strengthened. Song-singing should be recognized as essential and as important as fresh invigorating air in the school-room. The power of song is a gift more precious than diamonds; it is a fountain of joy. It makes the words seem possible, "I am youth; eternal youth; I am the sun rising, the poet's singing; I am the new world; I am a little bird that has broken out of the egg. I am joy, joy, joy!" If rightly used music has the power to formulate the motives of life. It is the means by which all Art impulses may be stirred; it is the inherent right of each child to obtain an insight into this Art that will enrich life. A wish for the knowledge of this Art will be stimulated by the study of the subject in the classroom.

Much thought and labor has been given to the task of bringing Music to the comprehension of the immature mind.

The music study has been made to co-ordinate with the general school system. The course has been so prepared by the Director that there is a logical unfolding of the steps, and through these steps has come self-development and power. During the year outlines were planned and given out, covering all sections of the work. At the regular meetings, guidance as to methods was suggested to the grade teachers. One thousand teachers were addressed, and one hundred and fifty songs were sung. The regular teacher has given the regular instruction under the plans outlined by the Director, who gave aid by conferences, meeting, class lessons, and who supervised by visits and thus by various means directed and advised, encouraged and inspired. The teachers have been a very vital factor in carrying the work to the child. In the child development there must be great faith, great hope, great courage on the part of the teacher. I commend highly the faithful, skillful work of our teachers, and I appreciate the spirit of their earnest cooperation. Many teachers have a genuine musical interest which lends an artistic charm to the work; and there are many who are grounded in the elements of music. If a regular teacher is not capable in this subject an exchange of work is made. In some schools a special teacher of music is given charge of a number of classes. There are thirty-two such teachers in the Music Department besides a number who take the singing in their schools without extra compensation. These special teachers have been most helpful and I thank them for their work. I trust more of them will be appointed next year. In a large department some schools require more attention than others, so these schools have been visited more frequently.

The development of the child on all sides has been encouraged. Correct habits for voice production have been urged. In the lower grades some remarkable work has been done along the line of curing the so-called monotone. As the ancients expressed themselves through song and dance so to the child just beginning has been given steps for rhythm and the motion song for expression. The Eurythmics of Jacques Dalcroze have been simply used, and in upper grades various drills have been given for rhythmical forms. Ear training, oral and written dictation, tone production, song singing, phrasing, diction, interpretation, sight singing have all been developed. The sight singing was commenced at the beginning of the Associate Period when endurance, memory, drill and discipline come easily. In music appreciation the children listened to musical numbers and

tried to recognize them. The Victrolas and graphophones have been useful in this study. Interesting concerts have been given through their use and I hope that soon each school will own one of these instruments. A number of schools gave a musicale at the end of the term. All parents were invited, and great pleasure was derived by the children's participation. Work was carried on through the Adolescent Period. The stage of mutation was carefully watched and the voices helped. At this period the emotions predominate so the upper grades have been given the very best songs, such as "Handel's Largo"; selections from Mendelssohn's "Midsummer Night's Dream"; "Serenade" and "Who Is Sylvia" from Schubert; "Soldiers' Chorus" and "Praise Ye the Father" from Gounod; "Blue Danube" by Strauss; "Lift Thine Eyes", and selections from Wagner, Brahms, Dvorak, Lassen and Rubenstein. Modern composers have been represented by selections from Arthur Foote, Neidlinger, Farwell, Arthur Sullivan, Henry Hadley, Cadman and Paul Bliss. California composers have been represented by selections from Dr. H. J. Stewart, Oscar Weil, Metcalf, Pasmore, Savannah, Fickenscher and McCurrie.

Considering the very limited time allowed for music in each grade, and considering how many children enter school without acute tone perception and voice production the results in the music work have been remarkable.

There have been many visitors during the past year who have been favorably impressed with the work, and who have freely expressed their commendation.

A very great kindness was extended to the school children of San Francisco by Mrs. Giulio Minetti, Conductor, who gave an invitation to a series of concerts by the San Francisco People's Orchestra in the Civic Auditorium. There have been a number of small orchestra formed in various schools and all players are encouraged to join the High School Orchestra.

Mrs. May McGlade has been in charge of the high school music during the past year. Excellent courses have been given in theory, harmony, history of music, voice development, chorus and orchestra work. The choruses, glee clubs, and orchestras have been doing some notable work as shown in the regular rehearsals and the public performances in which they have taken part.

In the Cosmopolitan schools songs of the different countries have been taken in the native languages. In each intermediate school the work has been conducted by a special teacher and excellent results have been obtained.

The music work in the school has been a connecting link between the home and the community. The child often sings his school songs "round the family hearthstone". The precious hours spent thus will strengthen the family life and the home ties.

Since the fire, 1906, there have been forty-four school dedications generally on Sunday. At all these functions the singing of the children was an important feature, and the Supervisor personally led the choruses at nineteen of these dedications. During last year the Sarah Cooper and Oriental schools were dedicated; and the term before, the Marshall and Washington Irving schools' dedication exercises took place. At the Mothers' Club meetings, the graduations, and patriotic exercises the children's singing has been an important feature. These school affairs develop pride and love of family, city and country, in both parent and pupil, and make for better citizenship. The singing of the children has entered into the life of the city. Amid the ruins of 1906, our children's voices through the choruses gave cheer and helpfulness to many a heart. From June 6, 1906, through the many dedications and great public choruses the singing of the children has occupied a unique place in the history of our city.

The Panama-Pacific International Exposition brought tremendous opportunities to all in a musical way, and many of the children and teachers gained much inspiration from this source. The concerts given by the bands and those given in Festival Hall will always be remembered. The graphophone companies' lectures and concerts were most profitable. A free concert was given by Madame Schu-



mann-Heink in Festival Hall, and by her invitation I directed the four thousand children in patriotic songs. I wish to express my deep appreciation for the wonderful kindness of Madame Schumann-Heink. Her marvelous singing will always be a much beloved memory. The children's singing contributed to the upbuilding of the Exposition, as a number of choruses sang at the ground breaking of Machinery Hall and Chinese site, and at the Liberty Bell performances. Also a chorus of three hundred children from various schools took part in the ground breaking exercises of the Civic Center.

In every way the study of music is encouraged and children are urged to attend concerts.

I wish to recommend the following:

- (a) That two pianos be given to each large school.
- (b) That in assigning teachers the musical ability be taken into consideration with the musical need of the school.
- (c) That supplementary books be given to the teachers of the third grade, and to the children of the fourth and fifth grades to be selected by the Director.
- (d) That music books destroyed by the fire be replaced to the schools.
- (e) That supplementary octavo material be given to the Director for the use of the upper grade classes.
- (f) That the Superintendent send to schools supplementary books "Stories of Great Musicians" by Hurne and Scobey.
- (g) That a typewriting machine be sent to the office of the Director.
- (h) That a Victor or phonograph be given to each school with sets of records.

I wish to thank the teachers for their good work and the principals for their support of the Music Department.

I am appreciative of the help given by the Assistant, and the cooperation of the special teachers.

I am deeply grateful to the Superintendent and the Deputy Superintendent, and the Honorable Board of Education for their assistance and kindness. I am,

Yours sincerely,

ESTELLE CARPENTER,  
Director of Music.

#### REPORT OF DIRECTOR OF ART.

San Francisco, August 1, 1916.

Mr. Alfred Roncovieri,  
Supt. of Schools,  
San Francisco.

My dear Mr. Roncovieri:

In reply to your request for a report from my department for the past year, I desire to say, that I and my assistants have striven, to the best of our abilities, to follow the course of study, which you have prepared for us.

We have visited the schools regularly on an average of once a month, but this we feel to be insufficient for the supervision we deem necessary to accomplish the results we desire to obtain. And now that our schools have increased so extensively, our visits will of necessity be less frequent. I therefore desire to recommend that another assistant be added to my department. We feel gratified at our results in many classes of our schools, and at the commendation of our successes which have attracted the attention of distinguished educators who have visited our city.

With the increased demand of the industries of our nation for more and better design, we feel that this generation of the San Francisco children should be

given every opportunity for training in the fundamentals which later will be useful in the pursuit of practical arts.

With a keen appreciation of the services of our teachers, and the support of our principals in carrying out our plans, and your unflinching courtesy, I remain,

Yours respectfully,

KATHERINE M. BALL,  
Director of Art, San Francisco Public Schools.

REPORT OF SUPERVISOR OF HOME ECONOMICS, ELEMENTARY  
SCHOOLS.

June 9, 1916.

Mr. Alfred Roncovieri,  
Superintendent of Schools,  
San Francisco, Cal.

Dear Sir:

I beg to submit the following report of the Home Economics Department for the fiscal year 1915-1916.

Personnel—

Supervisor .....	1
Teachers in Intermediate schools.....	3
Teachers in other grammar schools.....	11
Teacher, part time.....	1
	— 16

Plant—

Domestic science laboratories.....	23
Practice dining-room .....	1

Enrollment and Cost—

Average monthly enrollment, domestic science.....	4184.7
Cost of cooking supplies and laundry.....	\$1832.505
Cost of cooking supplies and laundry, per pupil.....	0.44

Visits to Domestic Science Laboratories—

By school officials.....	59
By supervisor .....	274
By others .....	2000

Domestic Art—(This is exclusive of the work done in the Intermediate schools.)

Schools in which sewing is taught.....	9
Classes taught by teachers of our home economics department.....	7
Classes taught by student-teachers from Lux School.....	23
Number of pupils taught, spring term.....	621

WHAT WE HAVE DONE DURING THE PAST YEAR.

Domestic Science.

I am happy to report that the character of the teaching is improving all the time, and that there is a growing feeling of co-operation with the teachers of academic subjects and with teachers of other "special" subjects.

At present our course in the selection and preparation of foods covers two years, and is given to the girls of the 7th and 8th grades. Pupils receive one lesson per week of 85, 90 or 120 minutes each. In the Intermediate schools a three years' course is given, and begins in the 8th grade.

During the spring term we had Visitors' Days at most of the laboratories, and parents and friends were invited to visit the room while a class was in session. At several laboratories special exhibits were prepared. At the Intermediate schools and at one other school the girls of the 8th grade presented an exhibit showing the relative food value of several common foods. This demonstration was modeled on some seen last year at the Exposition.

At two schools our pupils displayed and explained California food products, and we had a speaker from the Home Industry League. At another laboratory we gave a demonstration of child feeding, and several schools had exhibits of home cooking. The girls served refreshments prepared in class. We had several hundred guests who seemed pleased with both the class-work and the refreshments.

#### Domestic Art.

It is a matter of regret that a course in domestic art is not given in all our elementary schools. The work done in this line in the Intermediate schools is much appreciated by both the girls and their mothers, and there are many principals in other schools who would like to see similar sewing courses put in their schools.

A tentative plan for teaching sewing without extra teachers or equipment was tried by me last term. Four of my teachers had free periods which were devoted to domestic art, and seventeen student-teachers from the Lux school helped out in other schools.

The Lux School is an endowed school giving a two years' normal course in home economics. The State Board of Education requires that teachers in training do a certain amount of practice-teaching. The Lux students, to our mutual advantage, do their practice-teaching in our schools, teaching sewing to classes that could not otherwise be taught.

We began this arrangement during the spring term 1915, with two practice-teachers. Their work was so satisfactory that several principals asked for other practice-teachers to teach sewing, so that at present we have seventeen.

While the work is still too new and too incomplete to be judged as a domestic art course, it offers, I think, a good example of co-operation. The staff of the Lux School has been most helpful in planning work to meet our peculiar conditions; our principals have adjusted their school programs to meet the Lux time schedule, and several manual training teachers have helped us with sewing tables made in the shops as class work.

#### Desired Expansion.

I would like to see the home economics department expand in three directions.

1. A domestic art course, under a competent assistant supervisor.
2. Cafeterias or lunch-rooms established in schools were needed.
3. The work with foods now given, extended and improved.

The city budget does not provide funds for the first two items, but I hope that it will be possible to improve our present equipment for domestic science work. We need more cooking laboratories, and new mill-work at some of the old ones.

1. New laboratories. At present only twenty-eight of the fifty-one schools having girls in the 8th grades are provided with laboratories. Twenty-five per cent of our pupils have to leave their school to take cooking lessons. Twelve schools have an enrollment in the 7th and 8th grades to warrant the equipping of a domestic science room. In six schools the need seems to me to be urgent. The Fairmount School sends 165 girls to cooking every week, the Columbia School 145. The pupils of the McKinley, Grattan, Rochambeau and Yerba Buena schools are also numerous in our classes, and travel blocks from their schools to our laboratories.

2. I would like to have the mill-work at the Irving M. Scott, Horace Mann and Hearst schools scrapped, and up-to-date tables, etc., installed. These laboratories were equipped about twenty years ago, with makeshift furnishings.

3. I would like fresh paint and minor repairs at several laboratories and fly-screens at all windows not already provided with them.

4. I would like about half a dozen books of reference for each laboratory, and several sets of food charts, to be used in turn at different laboratories.

I would like to make some changes and improvements in the teaching of home economics in the grades. I think that we could make better use of several organizations that would be glad to help us train our girls for home life. In the schools I have always found principals and teachers willing to listen to any plans for correlation that I have suggested, and I have met with the most cordial cooperation when I have asked for information or help from a civic organization.

I expect many helpful suggestions from the report of Mrs. Henrietta W. Calvin, the home economics specialist of the staff of investigators who made the "School Survey" last spring. My teachers and I liked Mrs. Calvin, and hope that she liked our work and will show us how to improve it. We are looking for her report with interest.

Yours truly,

ELLEN M. BARTLETT,  
Supervisor of Home Economics, Elementary Schools.

#### REPORT ON SPECIAL CLASSES FOR SUB-NORMAL CHILDREN.

Miss Louise M. Lombard in charge.

San Francisco, August 1, 1916.

Mr. A. Roncovieri,  
Superintendent of Schools,  
San Francisco, Cal.

My dear Sir:

I respectfully submit the following report of work in special classes for sub-normal children for past school year.

Three classes for sub-normal children are now organized—two at Ungraded Primary School and one in Buena Vista Primary School. During the past school year these classes have cared for fifty-three children. Of these number five have been sent on into regular grade work, one to Ethan Allen School and one motherless girl with immoral tendencies and decidedly sub-normal was admitted to Glen Ellen, State Home for Feeble Minded.

There are still in the grades with normal children, a hindrance to them and gaining little themselves, many of these children who require special care and training, showing urgent need for additional classes.

The need is also great for a new building to replace the one in which the classes at Ungraded Primary are conducted. The building is too small to accommodate the number of children cared for and entirely unsuited to the work. The grounds, which are large and well suited to gardening, cannot be used for this purpose as there is no protection and work done during the day is destroyed at night.

Respectfully,

LOUISE M. LOMBARD.

## REPORT OF THE SCHOOL FOR THE DEAF.

Mr. Alfred Roncovieri,  
Superintendent of Schools,  
San Francisco, Cal.

Dear Sir:

In reply to your favor of June 13th asking for a report of the year's work in the Deaf Department for the last school year I would state that eight new pupils have been admitted to the school since last August. Two pupils were discharged—both semi-deaf. One who was in the Deaf Department two years was placed in a class for the hearing in the Golden Gate School. The other pupil, in attendance a year and a half, entered the Hamilton Intermediate School. Both these pupils came from regular hearing schools and had lost ground through partial deafness. Since discharging these pupils we have kept in touch with them and reports show they are working earnestly and doing well.

A new teacher, trained and experienced, was added to the corps this year, which has made it possible to grade the classes better. We now have thirty pupils enrolled.

All of the new pupils, seven of whom entered since February, had absolutely no language. They had never spoken and did not know that objects had names. Their sole means of communication were natural gestures.

Great effort has been made to improve the speech and speech-reading. Contests in speaking of all classes have been held every Friday in one of the classrooms and aroused the ambition of children to master difficult sounds and otherwise improve in speech.

The Manual Training Class is a great pleasure and benefit. Seven boys have attended the John Swett School one period a week for instruction. Their very handicap is in a sense an advantage in the designing room as they are quiet and concentrate on their work.

For the first time since the Deaf Department was opened, drawing as taught in the hearing schools and under the supervision of the teachers of drawing, was introduced this year and has rendered a valuable service in creating a means for expression and power of observation.

The older girls received instruction in cooking at the Crocker School. There is, of course, some loss of time making the trip back and forth to these classes, the time coming out of the regular class work. This we regret.

The physical training introduced this year has helped very much in securing poise and posture. So far, we have used the exercises prescribed for the hearing children, adopting no special methods. The directions for these exercises are given orally, as far as possible, thereby training the children to an alertness in response to commands and directions, at the same time increasing their faculty in lip-reading.

The daily traveling to and from school has given these children self-reliance and has brought them in constant contact with hearing people. In a number of cases the older children take care of the little ones and there have been no accidents.

Instruction in sewing is carried on in the school-room. We want a sewing machine and have asked for it.

While the Exposition was in progress we were able to make a collection of raw materials from exhibits there, which furnish us the beginning of a school-room museum invaluable in the teaching of geography and nature study. As most of our teaching with this class of children must be objective we need an abundance of such material.

With an additional class we are in need of another school-room which is to be provided, I believe. We have also asked for a large closet to be built in in the southwest school-room.

There are frequent requests from adult deaf and hard of hearing for instruction in lip-reading. In many cases these people cannot afford private lessons. Their state is a very serious one and deserves relief. In a number of cities where the number justifies it provision is made for instruction in lip-reading to the adult deaf. These classes are usually conducted by experienced teachers of the deaf in night schools. I would suggest that this matter receive the consideration of the school authorities.

In a former letter to you I mentioned the need of better heating facilities in two of our school-rooms, the lack of which comes through some faulty construction of the school's heating plant. An effort was made last year to divert the heat from pipes leading to other rooms, to these cold rooms, but the result was far from satisfactory. As there seems no way to remedy this trouble with the present plant we would like stoves placed in these two rooms.

In conclusion I would say that there has been a gain along all lines of work.

We appreciate the co-operation of the Board of Superintendents and the Board of Education.

Very respectfully,

ALMA L. CHAPIN,

Teacher in charge of the San Francisco Day School for the Deaf.

DEPARTMENT OF PHYSICAL EDUCATION, ATHLETICS, SOCIAL AND  
LECTURE CENTERS.

July 31, 1916.

Mr. Alfred Roncovieri,  
Superintendent of Schools,  
San Francisco, Cal.

My dear Mr. Roncovieri:

In response to your request for a report concerning the work of the Department of Physical Education, Athletics, Social and Lecture Centers, may I ask you to accept my report of January 19th, 1916, in fulfillment of your request. To the report of January 19th, I wish to add the attached statement which shows the manner and the methods of expanding the work in physical education to include the high schools. The report of January 19th, together with the statement concerning the high school, brings the report of my Department up to date.

Yours sincerely,

E. B. DeGROOT.

BOARD OF EDUCATION—DEPARTMENT OF PHYSICAL EDUCATION,  
ATHLETICS, SOCIAL AND LECTURE CENTERS.

To Principals and Teachers of High Schools:

On June 20th the Board of Education created for the high schools the position of "Director of Physical Education and Athletics" and appointed the following persons to fill the positions thus created:

Polytechnic High School—Mr. Willis O. Hunter, Director of Physical Education and Athletics for Boys. Miss Gertrude Brown, Director of Physical Education and Athletics for Girls.

Lowell High School—Mr. Courteney Overin, Director of Physical Education and Athletics for Boys. Miss Clara Newhouse, Director of Physical Education and Athletics for Girls.

High School of Commerce—Mr. George G. Lorbeer, Director of Physical Education and Athletics for Boys. Miss Nita Sheffield, Director of Physical Education and Athletics for Girls.

Mission High School—Mr. Omar F. Bradway, Director of Physical Education and Athletics for Boys. Miss Nita Sheffield, Director of Physical Education and Athletics for Girls.

Girls High School—Mrs. Laura H. Tharp (reappointed), Director of Physical Education and Athletics.

The object of this action by the Board is to center the responsibility and leadership in all matters of physical education and athletics in one man for the boys, and one woman for the girls in each of the high schools.

The Directors of Physical Education and Athletics will become members of the faculty in their respective schools. They will be subordinate to the Principal and subject to all of his rules and regulations for the guidance of the faculty.

The Director of the Department of Physical Education, Athletics, Social and Lecture Centers will aid the Principal in establishing and carrying forward the work of physical education and athletics. He will be responsible for all technical procedure and the supervision of the methods, systems and practices of the Directors of Physical Education and Athletics.

The general plan of procedure will be extensive, rather than intensive, athletics; i. e., methods and practices which will center time and effort upon the mass of students, rather than upon the coaching of "first teams".

The Directors of Physical Education and Athletics will welcome the voluntary assistance of other members of the faculty in coaching and supervising teams for interschool contests. The work of volunteers, must, however, harmonize with the plans and the aims of the Directors of Physical Education and Athletics who, alone, will be held responsible to the Principal and the Department.

The Directors of Physical Education and Athletics will at once address themselves to carrying out the following aims. The extent to which some of the aims may be carried out will depend upon the physical facilities at hand and the measure of co-operation accorded the Directors of Physical Education and Athletics by the Principal and the members of the faculty.

#### AIMS OF THE DEPARTMENT OF PHYSICAL EDUCATION AND ATHLETICS IN HIGH SCHOOLS.

I. Physical Aims. The development of organic vigor through muscular exercise and the establishment of habits which lead to systematic physical exercise.

By means of:

Organized and directed play in the building or in the school yard.

Systematic classes in gymnastics in the building or in the school yard.

Folk, gymnastic, aesthetic and social dancing as part of a gymnastic course or as an unrelated exercise.

Class or group competition in games and athletic events wholly within the school.

Boxing, fencing and wrestling, arranged for groups on competitive or non-competitive basis.

Swimming, diving and life saving, arranged for groups on competitive or non-competitive basis.

Interschool competition in games, aquatics and athletic events arranged directly with other schools or through athletic leagues. (Interschool events for girls must be arranged only on the basis of an invitation to play or compete. The parts of "host" and "guest" must be strictly carried out.

Talks or lectures by the Director on physiology of exercise, hygiene and first aid.

Insistence upon the application of the laws of hygiene in exercise, bathing, dress and training.

Medical examination of heart, lungs and nervous system of all students who participate in events which call for a severe test of speed, strength or endurance.

Note.—As soon as feasible, these physical aims should be guaranteed to the student by certain required work for freshmen and sophomores, and by elective participation for juniors and seniors.

II.—Social and Ethical Aims. The awakening and development of social ideals and good conduct. Not to be attained by mere preachment, but through the experiences of the student, supplemented by interpretations of the Director, the Principal and members of the faculty who observe students in their play expressions.

By means of:

Participating in the "school spirit" engendered by athletic contests—loyalty.

Taking defeat gracefully and victory modestly—self-control.

Giving the "square deal" to team mates and adversaries alike—good sportsmanship.

Accepting the rulings of officials without "crabbing"—respect for authority.

Working together and subordinating self interests for common interests, as in team play—the essence of good citizenship.

Avoiding the use of profane and obscene language. Attention to proper dress upon the athletic field, in the gymnasium and about the school. Proper conduct and language in the presence of the opposite sex, especially at school dances and athletic functions. Guarding against slouchy, slovenly, tough expressions of any character—good manners.

Training; i. e., faithful, painstaking effort when upon the athletic field, and avoidance of tobacco, liquor, late nights and weak companions when off of the athletic field—moral stamina.

Respectfully,

E. B. DE GROOT,  
Director of the Department.

#### RULES FOR THE ESTABLISHMENT AND OPERATION OF NEIGHBORHOOD CENTERS IN THE PUBLIC SCHOOL BUILDINGS OF SAN FRANCISCO.

The Board of Education will grant and promote, through its Department of Physical Education, Athletics, Social and Lecture Centers, the use of school buildings for evening neighborhood centers of the following character:

A—Social Centers. For the purpose of conducting neighborhood rallies, entertainments, clubs, etc., for any moral purpose except political or religious propaganda.

B—Lecture Centers. For the purpose of conducting lectures, discussions or debates upon any subject free from political or religious propaganda.

C—Music Centers. For the purpose of promoting neighborhood choruses or other musical interests of the people.

Note.—The term "Social Center" is here used to denote an inclusive neighborhood center. The social center may, therefore, include both lecture and music centers, as well as many other interests and activities.

By "political or religious propaganda" is not meant broad and liberal treatment of the civic and ethical questions of the day. The bar is against partisan or factional politics, and the promotion, criticism or giving offense to any religious faith or organization.

When neighborhood centers are established, the Board of Education will provide the following for each center:



One employe of the Board of Education to serve as leader, promoter and manager of the center.

Necessary janitorial service.

Light and heat.

A certain amount of equipment, repairs and supplies required for given activities.

Motion picture service in social centers once each month.

Stereopticon and operator in lecture centers.

Piano in music centers.

All other items of expense in the operation of a neighborhood center must be met by the patrons of the center. Club dues and admission fees may be collected and expended under the following rules:

1. Each club or unit group in the center must select a chairman or president and a secretary-treasurer, who will be responsible not only to the group they represent, but equally responsible to the manager of the center.

2. Dues or admission fees collected by any club or unit group of the center must be immediately deposited with the manager of the center. Deposit and receipt books must be used to insure accuracy and clear records involving all collections, deposits and disbursements of funds.

3. The sale of tickets for any entertainment must be conducted only at the entrance door at the time of the entertainment. Outside sale or huckstering of tickets will not be permitted.

4. All money derived from club dues or entertainments must be invested in the further equipment or operation of the center.

5. Admission fees to any form of entertainment must not be greater than 25c per person.

#### GENERAL RULES.

The regular closing time for evening centers shall not be later than 10 o'clock. The extended time for special functions shall not be later than 11 o'clock.

Children shall not be admitted to evening centers unless accompanied by adults.

The activities of the evening centers must be confined to those parts and facilities of the building that have been assigned for evening center use.

Smoking in or about the building will not be permitted. Spitting upon floors and other offensive acts will not be tolerated. Patrons of evening centers must be thoughtful of the rights and safeguards of children to whom must be guaranteed a sanitary, orderly and well kept school plant.

There must be strict adherence to all regulations imposed from time to time by the manager of the center. The manager will exercise advisory control and ultimate authority in all matters of operation.

#### REPORT OF ETHAN ALLEN SCHOOL (Parental School)—1915-1916.

Hon. A. Roncovieri, Superintendent of Schools.

Dear Sir: On July 26, 1915, we opened our school with 65 boys. On that day we paroled 16 boys. In addition to sending 16 boys to other schools, we allowed 19 boys to go to work. Of the paroled boys 2 were compelled to return, the rest keeping up with the class-work, in many cases having been promoted during the term, advancing a grade or two.

In December, 1915, we paroled 16 boys; 5 boys went to work; 8 boys graduated from 8-B grade from other schools. Many of our boys are now attending High School. The boys sent to work have proved satisfactory and all have been able to advance in the places we sent them.

Our school work is ungraded, consisting of grades from 1st to 8th. We follow the regular course of study, slightly modified, to meet the special conditions,

so that a boy may fit in readily when paroled. This term we intend introducing type-writing and commercial arithmetic. The boys have a weekly paper and it is both interesting and a help to the school.

In addition to the curriculum, we have established and are carrying on successfully, rug-weaving, brush-making, basketry, cobbling, wood-work and gardening. We have now \$110 in Bank of Italy from articles sold during the term.

This is the first term in the new Ethan Allen building—the ground surrounding this school, which was to have been used for the garden, was formerly a marble yard. The boys had to work very hard to transform these heaps of debris into a flourishing vegetable and flower garden. Our garden produces enough vegetables to supply the boys with a luncheon daily. We plant twice a year, thus giving us two crops. This year, in spite of the discouraging quality of the soil, our first crop was very successful, consisting of potatoes, beets, radishes, carrots, Swiss chard, beans, peas, onions, artichokes, cabbages and lettuce. We have a nice pumpkin patch and we are looking forward for "A nice crop of pumpkin pies" on Thanksgiving Day.

We also have a strawberry and blackberry patch and for the first year we had a fair crop.

Our varied activities have been helpful in strengthening the habits of concentration and industry and in many cases helping to assist the boy in determining his future work in life.

Our five showers and three bath tubs have helped much to secure habits of cleanliness—these are used daily.

The time of detention varies, because it takes a long time to undo years of bad habits. If we would receive these boys earlier, it would not be necessary to keep them so long. Our aim is to make this a corrective school, therefore if we could receive the boys after their first serious offense, the time for returning to their schools would be shortened.

Before corrective influences can be effective the physical condition must be improved, therefore a weekly dietary has been prepared with a view to supplying a right amount of each of the food elements necessary to improve the physical condition of the boy. I recommend that a physician be appointed to make weekly or semi-weekly visits to the school, examining the boys for physical defects as well as to general condition. This term we hope to establish a dental chair and have a dentist to examine the boys' teeth. We have also made arrangements to have a psychological test taken of every boy.

We have a Patrons' and Mothers' Club in connection with the school and we find that these are great factors in drawing closer bonds between home and school. Very often boys misunderstood at home are re-adjusted in their home relations through the closer relation established between the teacher and the child. A number of trained workers are going to be employed to visit homes and get a thorough understanding of home conditions in order to raise the standard.

During the vacation a trained worker was paid to visit the homes, every week, getting a full account of conduct. This is kept on record. By this means we keep in touch with all the boys during the vacation, which in my mind is far more important than regular school time. Very few if any of our boys get in trouble during the vacation.

We have a circulating library in connection with the school in order to cultivate a taste for good reading. During the term 150 books were donated.

I recommend the curfew law be strictly enforced, also the habit of peddling after dark, as the little money earned, together with the vast amount of liberty, gives them a desire to leave home and under these conditions they come under very evil influences.

Most respectfully,

RAE ALEXANDER, Principal.

UNIVERSITY OF CALIFORNIA—MUSEUM OF ANTHROPOLOGY.  
LECTURES.

Affiliated Colleges, June 16, 1916.

Dr. Alfred Roncovieri,  
Superintendent of Schools,  
San Francisco.

Dear Dr. Roncovieri:

The following figures show the attendance of San Francisco grammar and high schools at the Museum of Anthropology for lectures during the preceding years:

1911-1912.....	1932
1912-1913.....	9273
1913-1914.....	9044
1914-1915.....	7532
1915-1916.....	6279

Note.—The lectures during the spring term, 1915, were cancelled on account of the illness of the lecturer. No grammar school classes were scheduled for the fall term, 1915, on account of the attendance of classes at the Exposition.

In December, 1915, the following circular was issued to teachers of 5th, 6th, 7th, and 8th grades:

"The University of California Museum of Anthropology at the Affiliated Colleges offers the following illustrated lectures to the children of the public schools of the City and County of San Francisco during the Spring Term, 1916. All of the lectures are supplementary to class-room work in history and geography.

"The lecture room of the Museum seats 180 pupils.

"Every afternoon and Monday, Wednesday and Friday forenoons are available for these lectures at the Museum. Attendance is purely optional on the part of the Principals and teachers; but in order to make definite arrangements, teachers desiring to attend with classes are requested to indicate their choice of lecture and time on the enclosed slip. The slip is to be returned without delay to the Superintendent's office. The schedule of lectures will then be prepared during the Christmas vacation.

"We have expectations that the United Railroads will furnish special cars to transport pupils direct from the school to the Museum, and then back to the school after the lecture. We shall furnish more exact information on this point later.

"The following are the lectures offered:

"Lecture No. 1. The Indians of California. The lecture is followed by a visit to the 'California Indian Hall', where the exhibit is explained to the pupils.

"Lecture No. 2. Spanish Explorers in the Southwest. The lecture is followed by a visit to the 'Southwestern Indian Hall', where the exhibit is explained to the pupils.

Lecture No. 3. Ancient Peru. The lecture is followed by a visit to the 'Peruvian Hall', where the exhibit is explained to the pupils.

"Lecture No. 4. Ancient Egypt. The lecture is followed by an explanation of the exhibit in the Museum's 'Egyptian Hall'.

"Lecture No. 8. Aboriginal Life in California. An illustrated lecture showing Ishi in his native wilds in Tehama county—an exposition of life in California three centuries ago. This lecture is followed by the examination of the collection of implements from Ishi's haunts.

"Lecture No. 19. The Races of the World. Particularly comprehensive and well illustrated. No exhibit.

"Lecture No. 11. The Indians of the Great Plains. The lecture is followed by a visit to the 'Plains Indian Room', where the exhibit is explained to the pupils.

"Lecture No. 12. The Races of Europe. This lecture is best suited for 7th and 8th grade pupils. It makes clear the racial and linguistic composition of the warring nations. Profusely illustrated. No exhibit.

"ALFRED RONCOVIERI, Supt. of Schools.

"Kindly fill out the following blank and return to this office.

"Name of teacher.....  
 "Class .....  
 "School .....  
 "Lecture desired .....  
 "Approximate number of pupils who will attend.....  
 "Day of week preferred.....  
 "Forenoon (Monday, Wednesday and Friday only).....  
 "Afternoon ....."

In May, 1916, the following circular was issued to teachers of 5th, 6th, 7th and 8th grades.

"The University of California Museum of Anthropology at the Affiliated Colleges is offering twelve illustrated lectures to the public schools of the City and County of San Francisco during the Fall Term, 1916. All of the lectures are supplementary to class-room work in history and geography.

"The lecture room of the Museum seats 180 pupils.

"Lectures will be given at 2:30 on every afternoon. Attendance is purely optional on the part of principals and teachers; but in order to make definite arrangements, teachers desiring to attend with classes are requested to indicate their choice of lecture and day on the enclosed slip. The slip is to be returned without delay to the Superintendent's office, as the schedule of lectures is to be prepared during the summer vacation.

"Classes from one school totaling seventy-five or more pupils (including teachers) and attending the same lecture at one time, may obtain a special car from the United Railroads at the ordinary street car rate or less. The United Railroads charged \$7.50 for a special car regardless of the number of passengers. The special car calls for the pupils at or near their school and carries them direct to the Museum without change. After the lecture the car takes the pupils from the Museum back to the point of departure.

"The following are the illustrated lectures offered. With the exception of numbers 9 and 12, all are followed by a visit to the appropriate exhibit, which is explained by the lecturer.

- "Lecture No. 1. The Indians of California.
- "Lecture No. 2. Spanish Explorers in the Southwest.
- "Lecture No. 3. Ancient Peru.
- "Lecture No. 4. Ancient Egypt.
- "Lecture No. 5. Greece and Rome.
- "Lecture No. 6. The Totem Pole Indians.
- "Lecture No. 7. The Eskimos.
- "Lecture No. 8. The Filipinos.
- "Lecture No. 9. The Races of the World.
- "Lecture No. 10. The South Sea Islanders.
- "Lecture No. 11. The Indians of the Great Plains.
- "Lecture No. 12. The Races of Europe.

"The following report from Lecturer Gifford is interesting:

"It affords me pleasure to report to you the success of your scheme of optional attendance of grammar school classes at the lectures offered by the University of California Museum of Anthropology at the Affiliated Colleges. During the present term I have so far delivered forty-nine lectures to 3274 pupils. There are still ten more lectures to be given, so that the total for the spring term of 1916 will be close to 4000. You may be interested to know that I have also given during this spring term twenty-four lectures to 1109 San Francisco high school students.'

"Respectfully yours,

"ALFRED RONCOVIERI,  
"Supt. of Schools."

May 10, 1916.

Your recent circular listing the twelve lectures offered by the Museum for the fall term of 1916, certainly has received a very general response. Applications for lectures for classes aggregating 15,577 pupils have been received. Unfortunately, we are not able to arrange afternoon lectures for all of these classes. I have, however, prepared a schedule which will allow of the afternoon attendance of 13,854 pupils at the Museum during the ensuing term. The large number of applications has necessitated the canceling of Lecture No. 7 on the Eskimos, for which classes aggregating 1723 pupils had applied. The lectures for the fall term will begin on Monday (August 7) of the second school week, and will end on Friday (December 15) of the next to the last school week.

I would be delighted if you would offer suggestions looking towards the improvement of our school lecture service.

With best wishes for a pleasant vacation, I remain,

Sincerely yours,

E. W. GIFFORD,  
Associate Curator.

Encl. EWG/CR

TITLES OF TEXT-BOOKS IN USE IN SAN FRANCISCO HIGH SCHOOLS,  
SCHOOL YEAR 1915-1916.

Abbreviations of schools are: C, High School of Commerce; G., Girls High School; H., Humboldt Evening High School; L., Lowell High School; M., Mission High School; P., Polytechnic High School.

## ENGLISH.

Title of Text and Publisher	Date of Adoption	Schools Using
Gayley & Young's Principles and Progress of English Poetry (MacMillan)	Oct. 1, 1909	All
Gayley's Classics Myths (Ginn)		G., C., P.
Gayley & Flaherty's Poetry of the People (Ginn)	Oct. 1, 1909	All
Brooks English Composition (American Book Co.) Books I and II	July 2, 1913	G. (Book II), C., H. L. (Book II), M., P.
Long's History of English Literature (Ginn)	July 23, 1910	G., P.
Bradley's Orations and Arguments (Allyn & Bacon)	Oct. 1, 1909	P.
Classics		

## FRENCH.

Chardenal's Complete French Course (Allyn & Bacon)	Aug. 24, 1912	G., L., M.
Francois' Introductory French Prose Composition (American Book Co.)	Aug. 30, 1911	G., C., L., M., P.
Francois' Alternative Exercises (American Book Co.)	Aug. 30, 1911	G.
Patton's Causerier en France (Heath)		G.
Walter & Ballard's Beginner's French (Scribners)	Jan. 5, 1915	C., P.
Fraser & Squair's Abridged French Grammar (revised) (Heath)	Jan. 6, 1914	C., P.
Ballard's Short Stories for Oral French (Scribners)	Jan. 5, 1915	P.
Classics		

## GERMAN.

Spanhoofd, Lehrbuch der Deutschen Sprache (Heath)	Oct. 1, 1909	G., H., L., M., P.
Muller & Wenckbach Gluck Auf (Ginn)	Oct. 1, 1909	G., M.
Walter & Krause's Beginner's German (Scribner)		
Walter & Krause's First German Reader (Scribner)	Jan. 6, 1914	C
Wesselholf German Composition (Heath)	Oct. 1, 1909	C
Bierwirth Elements of German Grammar (Holt)		C

Title of Text and Publisher	Date of Adoption	Schools Using
Pope German Composition (Holt)	Oct. 1, 1909	C
Bacon's German Grammar (Allyn & Bacon)	July 2, 1913	L.
Pope Writing and Speaking German (Holt)	Oct. 1, 1909	P.
Bacon's German Composition (Allyn & Bacon)	July 2, 1913	L.

Classics

## LATIN.

Allen & Greenough's New Latin Grammar (Ginn)	Oct. 1, 1909	G., L., M.
Greenough, d'Ooge & Daniel's Second Year Latin (Ginn)	Oct. 1, 1909	G.
Allen & Greenough's Cicero's Orations and Letters (Ginn)	Oct. 1, 1909	G., H., L., M.
Greenough & Kittredge's Virgil (Ginn)	Oct. 1, 1909	G., M.
Rolfe & Dennison's Junior Latin Book (Allyn & Bacon)	July 2, 1913	L., M.
Fairclough & Brown's Virgil (Sanborn)	Oct. 1, 1909	L.
Peck's Ovid (Ginn)		L.

## GREEK.

Goodwin's Greek Grammar (revised) (Ginn)	Oct. 1, 1909	L.
Goodwin & White's Anabasis (Ginn)	Oct. 1, 1909	L.
Sterrett's Iliad (American Book Co.)	Oct. 1, 1909	L.

## SPANISH.

Worman's Spanish Book (I & II) (American Book Co.)	Oct. 1, 1909	C., P. (I)
Umphrey's Spanish Prose Composition (American Book Co.)	Oct. 1, 1909	C., P.
Harrison's Spanish Commercial Reader (Holt)		L.
Crawford's Spanish Composition (Ginn)		L.
Marion-Garennez-Introduction a la Lengua Castellana (Heath)		P.

## MATHEMATICS.

Hawkes, Luby, Touton First Course in Algebra (Ginn)	Jan. 6, 1914	G., C., H., L., M., P.
Betz & Webb, Plane Geometry (Ginn)	Jan. 6, 1914	G., C., H., L., M., P.
Taylor's Plane Trigonometry (Ginn)	Jan. 6, 1914	C., L.
Moore & Miner's Practical Business Arithmetic (Ginn)	Oct. 1, 1909	C.
Crockett's Elements of Plane and Spherical Trigonometry (American Book Co.)	Oct. 1, 1909	H., M.

Title of Text and Publisher	Date of Adoption	Schools Using
Hale's Practical Applied Mathematics (McGraw, Hill Book Co.)	Jan. 25, 1916	H.
Granville's Plane Trigonometry and Tables (Ginn)	Aug. 30, 1911	P.
Breckenridge, Mersereau & Moore's Shop Problems in Mathematics (Ginn)	Jan. 3, 1912	P.

## HISTORY.

West's Ancient World (revised) (Allyn & Bacon)	Jan. 6, 1914	G., C., M., L.
Harding's Essentials in Medieval and Modern History (Amer. Book Co.)	Jan. 6, 1914	G., C., L., M.
Cheyney's Short History of England (Ginn)	Oct. 1, 1909	G., M.
Muzzey's American History (Ginn)	Jan. 6, 1914	G., H., M.
Forman's Advanced Civics (revised) (Century Co.)	Jan. 6, 1914	G., C., M.
Bullock's Elements of Economics (Sil- ver, Burdette Co.)	Aug. 30, 1911	G., C., L., M.
Reinach's Apollo (Scribner)	Aug. 30, 1911	G., L.
Andrew's Short History of England (Allyn & Bacon)	Aug. 6, 1914	C., L.
Sutton's Civil Government in California (American Book Co.)	Aug. 6, 1914	C., L.
Ely & Wicker's Elementary Principles of Economics (MacMillan)	Aug. 30, 1911	C.
Channing's Students History of the U. S. (MacMillan)	Oct. 1, 1909	C.
Myer's Medieval and Modern History (Ginn)	Oct. 1, 1909	H.
Ashley's American Government (Mac- Millan)	Aug. 30, 1911	H.
Davis' Readings in Ancient History (Allyn & Bacon)	Dec. 30, 1915	L.
Cheyney's Industrial and Social History of England (MacMillan)	Aug. 6, 1914	L.
Ogg's Social Progress of Contemporary Europe (MacMillan)	Dec. 30, 1915	L.
West's American History and Govern- ment (Allyn & Bacon)	Aug. 6, 1914	L., P.

## SCIENCE.

Snell's Elementary Household Chem- istry (MacMillan)	Aug. 6, 1914	G., P.
Le Conte's Compendium of Geology (Appleton)	Aug. 30, 1911	G.
Young's Lessons in Astronomy (Ginn)	Oct. 1, 1909	G.



Title of Text and Publisher	Date of Adoption	Schools Using
Hunter's Elements of Biology (American Book Co.)	Jan. 5, 1915	G., M. first time Oct. 1909
Brownlee, Fuller, Hancock's First Principles of Chemistry (Allyn & Bacon)	Oct. 1, 1909	C., H., M., L., P.
Brownlee and Others Chemistry Manual (Allyn & Bacon)	Oct. 1, 1909	C., M., L., P.
Dryer's High School Physical Geography (American Book Co.)	Jan. 6, 1914	M.
Linville & Kelly's Text-book in General Zoology (Ginn)	July 23, 1910	L.
Andrew's Practical Course in Botany (American Book Co.)	Jan. 6, 1914	L.
Arey, Bryant, Clendenin & Morrey's Physiography (Heath)	July 2, 1913	L.
Snyder's First Year Science (Allyn & Bacon)	Aug. 5, 1915	P.

## HOUSEHOLD ART.

Kinne & Cooley's Shelter and Clothing (MacMillan)		G.
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## COMMERCIAL.

Williams & Rogers Modern Illustrative Bookkeeping (American Book Co.)	Oct. 30, 1911	C., H., M.
Williams & Rogers Illustrated Banking (American Book Co.)	Oct. 30, 1911	C.
Belding's Correspondence (American Book Co.)	Oct. 30, 1911	C.
Gallagher-Marsh Shorthand Text-book (new edition)	Aug. 2, 1911	C., H., M.
Huffcut's Elements of Business Law (Ginn)	Oct. 1, 1909	C.
Nichols & Rogers Commercial Law		H.
Cutler & SoRelle Rational Typewriting		M.

## TECHNICAL.

Bowditch American Practical Navigator (U. S. Hydrographic Office)		II.
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## APPENDIX TO "TEXT-BOOKS IN USE IN THE SAN FRANCISCO HIGH SCHOOLS".

The following list includes books adopted by the Board of Education since the close of the school year 1915-1916:

Title of Text and Publisher	Date of Adoption	Schools Using
Ashmun's Modern Prose & Poetry (Houghton, Mifflin Co.)	July 26, 1916	G.
Brewer's Oral English (Ginn & Co.)	"	C., L.
Hotchkiss & Drew's Business English (American Book Co.)	"	C.
Kutner's Commercial German (Ameri- can Book Co.)	"	C.
Smith's Latin Lessons (Allyn & Bacon)	"	G., L., M.
Baker & Inglis High School Course in Latin Composition (Macmillan Co.)	"	G., L., M., P.
Espinosa & Allen's Elementary Spanish Grammar (American Book Co.)	"	C., L., M., P.
Roessler & Remy's First Spanish Reader (American Book Co.)	"	C., L., M., P.
Betz & Webb's Solid Geometry	"	C., L., M., P.
Gleason's A Greek Primer (American Book Co.)	"	L.
Moore's Industrial History of the United States (Macmillan Co.)	"	P.
Black & Davis' Practical Physics (Macmillan Co.)	"	All
Black's Laboratory Manual in Physics (Macmillan Co.)	"	All
Lallier's Elementary Manual of the Steam Engine (Van Nostrand)	"	P.
Bennett's Bookkeeping and Business Practice (American Book Co.)	"	C.
Robinson-Breasted's Outlines of Euro- pean History Part I (Ginn & Co.)	Aug. 15, 1916	P.
Robinson-Beard's Outlines of European History, Part II (Ginn & Co.)	"	L., P.
Conn & Buddington's Advanced Physi- ology and Hygiene (Silver-Burdett Co.)	"	G., L.
Gowin & Wheatley's Occupations (Ginn & Co.)	"	P.

# Report of Juvenile Detention Home

San Francisco, California, October 2, 1916.

Hon. James Rolph, Jr.,

Mayor City and County San Francisco,  
City Hall, City.

Sir:—In accordance with the provisions of the Charter of the City and County of San Francisco, I desire to submit herewith report of the Juvenile Detention Home for the fiscal year ending June 30, 1916, advising that this report has been submitted to and received the approval of the Probation Committee of the Juvenile Court.

I also submit herewith report for the year ending December 31, 1915, required by statute in which is set forth in complete detail the activities of the Court and Detention Home for said period.

Respectfully submitted,

J. C. ASTRADO,  
Probation Officer.

## JUVENILE DETENTION HOME

## REPORT OF JUVENILE DETENTION HOME FISCAL YEAR 1915-16.

## Appropriation:

General appropriation .....	\$17,660.00
Rent .....	3,300.00
Total .....	\$20,960.00

## Expenditures:

General expenditures (salaries and maintenance).....	\$17,578.08
Rent .....	3,300.00
Total .....	\$20,878.08
Unexpended in Maintenance Fund.....	\$ 33.75
Unexpended in Salary Account.....	48.17
Total unexpended .....	\$ 81.92

## CHILDREN BROUGHT TO DETENTION HOME.

	Boys	Girls	Totals
1915—July .....	77	47	124
August .....	58	43	101
September .....	68	46	114
October .....	97	31	128
November .....	66	36	102
December .....	78	38	116
1916—January .....	80	40	120
February .....	85	59	144
March .....	86	38	124
April .....	78	31	109
May .....	74	47	121
June .....	64	43	107
	911	499	1,410

## MEALS—TOTAL NUMBER MEALS SERVED DURING THE YEAR.

		Brought forward .....	25,383
1915—July .....	4,438	1916—January .....	4,114
August .....	4,452	February .....	3,989
September .....	4,489	March .....	5,084
October .....	4,833	April .....	4,331
November .....	4,052	May .....	5,166
December .....	3,119	June .....	4,437
	25,383	Total .....	52,504
Forward .....	25,383		
Meals served to children.....			41,733
Meals served to attendants, physicians and visitors.....			10,771
Total .....			52,504

## DAILY AVERAGE OF MEALS SERVED.

1915—July .....	47.72	1916—January .....	47.57
August .....	47.91	February .....	48.03
September .....	49.88	March .....	54.67
October .....	51.97	April .....	48.12
November .....	48.35	May .....	55.57
December .....	33.54	June .....	49.26

Daily average for the year, 48.55.

COSTS.

Cost of food for 12 months.....	\$ 5,167.23
Cost of maintenance, including rent.....	15,710.85
	<hr/>
	\$20,878.08

RECAPITULATION.

Meat .....	\$ 1,288.12	Furniture .....	568.06
Fish .....	121.50	Bed Linen .....	160.44
Poultry .....	111.67	Clothing .....	182.77
Eggs .....	327.91	Fuel (coal) .....	247.05
Milk .....	447.21	Hardware .....	247.46
Cream .....	110.40	Fuel (gas) .....	647.27
Butter .....	273.14	Scavenger .....	30.00
Vegetables .....	323.70	Dry Goods and Notions.....	104.70
Fresh Fruit .....	394.49	Towels .....	44.92
Dried Fruit .....	50.95	Janitor Supplies .....	22.84
Potatoes .....	165.52	Ice .....	73.90
Bread .....	532.22	Sewing Machine .....	27.50
Flour .....	50.12	Kerosine Oil .....	9.00
Mill Stuff .....	42.37	Fire Extinguisher .....	28.00
Coffee and Tea.....	103.30	Repairing Yard .....	11.00
Sugar .....	274.44	White Washing .....	24.00
Lard .....	7.58	Lavatory Supplies .....	14.70
Canned Goods .....	281.67	Repairing Ruud Heater.....	4.80
Groceries .....	179.19	Repairing Laundry Machinery	10.65
Cheese .....	50.12	Rubber Stamps .....	1.35
Miscellaneous .....	31.61	Distilled Water .....	2.50
Salaries .....	8,411.83	Dials for Night Clocks.....	4.00
Emergency Salaries .....	164.55	Hauling Carpet from City Hall	5.00
Laundress .....	480.00	Room Rent for Night Nurse	5.00
Soap .....	77.45	Incidental Expenses, 12 mos.	132.65
Laundry Supplies .....	38.92	Filing Cases .....	42.25
Drugs .....	276.79	Rent .....	3,300.00
Surgical Instruments .....	140.80		
Clinic Supplies .....	168.71	Total .....	<hr/> \$20,878.08

DETENTION HOME EMPLOYEES.

1 Superintendent	1 Night Nurse
1 Assistant Superintendent	4 Nurses
1 Night Watchman	1 Cook
1 Matron	1 Laundress

1915-1916.

Average cost per meal .....	.0984
Average cost per capita for meals per day.....	.2952
Maintenance per capita per day .....	\$1.178

1914-1915.

Average cost per meal .....	.0938
Average cost per capita for meals per day.....	.2814
Maintenance per capita per day .....	\$1.0281

The increased cost of maintenance for this present year over that of the previous year is explained, first, by the employment of one additional nurse at a salary of \$600.00 per year, second, by the increased cost of food and, third, by

the purchase of the furnishings for the new Detention Home building which we expect to occupy by the 15th of November, 1916.

For further and complete detail of the court's work, reference is respectfully made to the other section of this report.

### SAN FRANCISCO JUVENILE COURT.

#### REPORT OF PROBATION OFFICER FOR THE YEAR 1915.

During the year 1915, 833 children were brought to the attention of this court either because of the inability of their parents to properly care for them, this through poverty, intemperance, immorality or other cause, or by reason of the death of one or both parents and the lack of proper guardian and means of support.

The following table shows the number of children brought before the court for such causes:

	Children
Cruelty of parents .....	41
Neglect of parents .....	195
Destitution of parents .....	171
Drink on the part of parents .....	150
Depravity of parents .....	80
Desertion of parents .....	140
Death of parents .....	56
(Forward) .....	833

668 boys and 273 girls came before the court during the year because of certain delinquent acts committed by them through the violation of City Ordinances or the penal code, or because of immorality and other causes.

The number of children brought before the court for such causes is shown by the following table:

	Boys	Girls	Children	Totals
Assault .....	40			
Burglary .....	81	1		
Larceny .....	159	5		
Gang Activity .....	22			
Incorrigibility .....	69	83		
Vagrancy .....	33			
Mischief .....	57			
Violation City Ordinance.....	91			
Sex Immorality .....	20	140		
Other Causes .....	96	44		
Totals .....	668	273 (forward)	833	1,774

A third group is made up of those who, previously before the court, again appeared because of the need of admonishing either the parents or the children themselves for their lack of progress.

This group comprises:

Boys .....	121
Girls .....	29
Children .....	518
Total .....	668

SUMMARY.

	Children
Before Court because of cruelty or neglect.....	833
Before Court because of offenses committed .....	941
Before Court because of Probation Officer's Reports.....	668
<b>Total .....</b>	<b>2,442</b>
In addition to the above the Probation Officer reported on continued matters involving .....	824
<b>Total .....</b>	<b>3,266</b>

In the above court orders were made as follows:

Dismissed .....	335	Released from Probation.....	158
Off Calendar .....	616	Released from Agencies.....	176
Adoption .....	32	Released from Institutions.....	157
Care Probation Officer.....	304	Transferred to other county.....	10
Care Agencies .....	274	Other Court Orders.....	50
Care Institutions .....	254	Cont'd, orders vacated and changed	861
Commitments Stayed .....	5		
Placed Care Individuals.....	34	<b>Total .....</b>	<b>3,266</b>

SUMMARY OF COURT ORDERS DIRECTING COUNTY PAYMENT.

On January 1, 1915.

	Boys	Girls	Children	Amounts
Care Agencies .....			833	\$ 81,952.34
Care Institutions .....	92	41	454	69,220.63
	<u>92</u>	<u>41</u>	<u>1,284</u>	<u>\$151,172.97</u>

On January 1, 1916.

Care Agencies .....			859	\$ 99,466.93
Care Institutions .....	134	35	436	78,440.61
	<u>134</u>	<u>35</u>	<u>1,295</u>	<u>\$177,907.54</u>

The above figures do not include those children actually under commitment to the agencies and institutions for legal control only and for whom no demand against the County Treasury is made.

BOY DEPARTMENT.

The work of this department is handled by the Chief Assistant Probation Officer, in charge, and four assistants, three men and one woman.

This department in addition to making investigations and writing the cases for presentation to the court of the 668 boys brought before the court during the year and reporting on the 121 boys brought before the court for further instruction, cared for approximately 295 boys on probation.

The following table is a summary of the results of probation for boys in this department during the year:

	Boys
On probation January 1, 1915 .....	235
Placed on probation during year .....	60
	<u>295</u>

Released from probation during year:	
For good progress .....	49
On reaching majority .....	42
Committed to institutions for failure.....	22
In abeyance account progress.....	18
Whereabouts unknown .....	45
On active probation Jan. 1, 1916.....	119
	295
Progress on Probation.	
Making excellent progress .....	30
Making satisfactory progress .....	83
Making unsatisfactory progress .....	24
Whereabouts unknown .....	45
	182
On unofficial probation but receiving care.....	25
	207
Approximate earnings of probationers.....	\$30,917.00
42 boys in this department are school boys, a woman probation officer being responsible for their reports, obtaining the same from both the school and the home and not requiring the boys to report at the office.	
Of the school boys, exceptional progress is being made by.....	7
Satisfactory progress .....	27
Unsatisfactory progress .....	8
Missing .....	2
	42

In addition to the above, this officer reports on 20 additional boys who are on unofficial probation.

#### GIRL DEPARTMENT.

The work of this department is handled by four women assistant probation officers, the work being assigned as follows: One officer assigned to office duty, interviewing all new girls brought before the court as well as their parents and relatives or others interested in them and preparing the cases for presentation to the Judge.

Another officer is in charge of the employment work, securing positions for the girls and caring for an average of 70 girls on probation.

A third officer presents the cases to the Judge, has general supervision of the department and cares for an average of 70 girls on probation.

The fourth officer in this department specializes on field work, visiting homes and reporting thereon and also caring for an average of 70 probationers.

#### PROBATION DATA.

On probation January 1, 1915.....	216
On probation January 1, 1916.....	207
Placed on probation during the year.....	85
Released from probation during the year.....	75
Probationers committed to institutions.....	19

#### PROGRESS ON PROBATION.

Making satisfactory progress .....	158
Making unsatisfactory progress .....	20
Making doubtful progress .....	29
	207



Average number per month missing.....	20
Average number per month in Detention Home for medical care, home- placement or further order.....	5

EMPLOYMENT DATA.

Average number employed at housework.....	53
Average number employed at trades, in stores, factories, etc.....	60
Average number unemployed during year.....	40
Average number of school girls.....	11
Average number of school girls employed and earning their way.....	10

SALARIES.

Girls employed at housework receive from \$10 to \$25 per month, an average wage of \$16.10.

School girls, who earn their own way, going to day school receive from \$3 to \$10 per month, with room and board, according to their age and ability.

Girls employed in stores, factories, Telephone Co., etc., receive from \$20 to \$50 per month, an average wage of \$32.35. Many of these girls so employed are obliged to pay their board and all expenses from their earnings.

During the past year, because of opportunities offered by the Exposition, a higher average of our girls was employed than during normal conditions and the average rate of wage has been correspondingly higher.

For those girls who have no home of their own, effort is made to secure a good boarding home, either in a private family where the landlady will assume responsibility, or in a girl's club where supervision is exercised over her.

For the girl of sub-normal intelligence, however, it has been found that positions at housework offer the best protection to the girl. Even for the girl of normal intelligence who has had no training along any special line of work, this type of employment offers the greatest advantage to the girl, in that the women who take our girls into their homes are high-typed women who give the girl valuable training in household matters, which fits her to better care for her own home when she marries, which the majority of the girls do before they reach the age of 21. Many of the girls who have come from untidy, shiftless homes, are thus trained to be neat, capable homekeepers.

DOMESTIC RELATIONS DEPARTMENT.

This department is active along two separate channels: (a) reporting twice a year on the status of children committed to the care of institutions and agencies and making recommendations for the release or continuance of the children in said care, and in investigating applications for aid, and (b) the probation work of the department which calls for visits to the homes of children placed in the care of the court or under the supervision of the Probation Officer and in securing for these homes the helpful co-operation of the neighborhood social agencies, that is the church, school, neighborhood social centers, etc.

PROBATION DATA.

Children brought to the attention of this department during the year.....	833
Families on probation January 1, 1915.....	125
Involving .....	341 children
Families placed on probation during 1915.....	71
Involving .....	159 children
Making a total of families .....	196
Involving .....	500 children

Of the above number, 20 children were committed to institutions because of the failure of the family on probation to make good. 36 are making such excellent progress that the cases have been placed in abeyance.

## JUVENILE DETENTION HOME

## PROGRESS ON PROBATION.

Making satisfactory progress .....	59
Making excellent progress .....	36
Making unsatisfactory progress .....	29
	124
Released from probation during the year.....	57
Whereabouts unknown .....	15
	196
Active probationers, January 1, 1916.....	124

## ADULT DEPARTMENT.

This department, caring for some 600 probationers is in charge of an Assistant Probation Officer with two deputy probation officers and an office assistant and stenographer. One of the deputies is a woman who cares for the women probationers and visits the homes of men on probation who are married and living in this City.

## PROBATION DATA.

Number of probationers January 1, 1915.....	621
Placed on probation by Superior Courts.....	274
Placed on probation by Police Courts.....	378
	1237
Number sent to prison on account failure.....	13
Number sent to County Jail on account failure.....	8
Number sent to Reform School on account failure.....	1
Number released by court order.....	720
	742
Number reporting Jan. 1, 1916.....	531
Wages earned by probationers during 1915.....	\$285,199.00
Money collected during 1915 for care children.....	17,480.00
Merchants reimbursed for losses in sum of.....	4,205.33
Number of arrested men and women sent to State Hospital for cure of drug and drink habit.....	60

## POLICE COMPLAINTS.

Prior to 1913, the practice of the Police Department had been to arrest all minors who committed offenses against the law and to make entry in the police record of such arrests.

In November, 1913, however, Chief of Police White issued a general order directing that children committing minor offenses and where there is no real intent to violate the law, are to be brought to the attention of the Probation Officer without arrest and without police record made of the matter.

Officers are directed to take the children to their several homes and to notify the parents when to appear before the Probation Officer. Written report covering the detail of the complaint is forwarded through the office of the Chief of Police to the Probation Officer, who, on seeing the parents and children advises them of the law and of the desire of the police to enforce the same through their co-operation and disposes of the matter, unless, upon investigation, a condition develops which warrants the matter being called to the attention of the Judge.

Truancy matters which formerly appeared on the regular court calendar are now almost entirely handled in this manner.

The following is the record in the matter of Police Complaints for the year 1915:

Dismissed on first hearing .....	406
Continued for investigation, doctor's examination, or helpful suggestion prior to dismissal .....	127
On calendar for court hearing.....	20
Still pending .....	6
Failure to appear .....	9
<b>Total</b> .....	<b>568</b>

Of these the boys numbered 532 and girls 36.

**DETENTION DATA.**

The employees of the Detention Home are a superintendent (male) with an assistant superintendent and night-watchman, a matron, night matron and four nurses, the matron and night matron also being graduate nurses. During the year there were brought to the Detention Home:

Boys .....	957
Girls .....	467
<b>Totals</b> .....	<b>1,424</b>

The daily average number of children in the Detention Home was.....	51.33
The average stay of each boy during this period—days.....	4.6
The average stay of each girl during this period—days.....	18.67

The reason for the greatly increased period of time in the Detention Home for the girls over that of the boys is that a large number of girls come to the Detention Home is found to be suffering from specific infection and such cases remain under treatment in the Detention Home clinic until a clean bill of health is had.

The work of the clinic is under the direction of the University of California medical school, the physicians giving their services being Drs. Watters, Gerdine, Lamerie, Black, Bernard, Bigelow and Bridgman, psychologists.

Dr. Watters specializes with the girl cases and Dr. Gerdine with the boys. Drs. Black and Barnard, specialists for eye, ear, nose and throat, perform operations for adenoids and tonsils and care for such other matters as are in their line.

Dr. Lamorie examines those girls who have been assaulted by men and are held to appear as witnesses in the criminal courts and testifies in such cases.

The Medical report in detail for the Detention Home clinic for the year 1915 is as follows:

**CASES TREATED AND DIAGNOSES MADE.**

<b>Infectious Diseases—</b>	
Suspected pulmonary tuberculosis .....	36
Advanced pulmonary tuberculosis .....	1
Tonsilitis .....	16
Otitis media .....	7
<b>Neisserian infections:</b>	
Cervicitis, vaginitis and urethritis.....	22
Pyosalpinx .....	5
Bartholinian gland abscess .....	4
<b>Lues:</b>	
Acquired .....	7
Congenital .....	8
Acute rheumatic fever .....	2

Appendicitis:	
Chronic .....	5
Subacute .....	1
Erysipelas .....	1
Pneumonia (lobar) .....	1
Peritonitis .....	1
Bronchitis .....	7
Bronchiectasis .....	1
Conjunctivitis .....	8
Blepharitis marginalis .....	2
Lymphadenitis .....	18
Nervous Diseases:	
Hemiplegia (old) .....	1
Bell's palsy (old) .....	1
Epilepsy .....	2
Poliomyelitis (old) .....	2
Surgical Conditions:	
Hernia, right inguinal .....	2
Hemorrhoids .....	1
Cervical rib .....	1
Ischio-rectal abscess .....	1
Gun shot wound .....	1
Sprained thumb .....	1
Congenital dislocation of hip.....	1
Sprained ankle .....	1
Pes planus .....	6
Cleft palate and hare lip.....	2
Scoliosis .....	11
Functional scoliosis .....	5
Phimosis .....	12
Hypertrophied tonsils .....	122
Hypertrophied thyroids .....	41
Metabolic Disturbances:	
Obesity .....	12
Rachitis .....	11
Graves' Disease .....	3
Thyroid insufficient .....	4
Skin Diseases:	
Seborrhoea .....	93
Pediculosis:	
Capitis .....	50
Pubis .....	4
Scabies .....	22
Acne vulgaris .....	37
Impetigo contagiosa .....	7
Furunculosis .....	3
Eczema .....	2
Tinea tonsurans .....	2
Tinea trichophyton .....	1
Ichthyosia .....	1
Pityriasis rosea .....	1
Psoriasis .....	1

Cardiac Disturbances:

Mitral insufficiency .....	4
Mitral stenosis .....	2
Haemic murmurs .....	8

In addition to the items mentioned in the above tables, it is of interest to note that 189 children had curious teeth; 26 were known to be masturbaters. Ten of the girls brought for medical examination were pregnant.

Wasserman tests made .....	58
Negative .....	46
Positive .....	9
Doubtful .....	1

Surgical operations performed in the Detention Home:

Tonsillectomy .....	36
Circumcision .....	3
Curettage .....	1

There were 377 complete physical examinations made, exclusive of those cases coming into the Detention Home for re-examinations.

REPORT OF PSYCHOLOGIST.

During the year 238 children were examined by the psychologist, Dr. Olga Bridgman, the following table showing the results of the examinations:

Classification:	Boys	Girls	Total
Above normal .....	2	1	3
Normal .....	45	38	83
Dull-normal .....	11	26	37
Backward .....	30	20	50
Defective (borderline) .....	4	13	17
Feebleminded .....	20	18	38
Moron .....	5	3	8
Imbecile .....	1		1
Insane .....	1		1
Totals .....	119	119	238

The foregoing report is presented to demonstrate the constructive policy of the court as indicated by Judge Murasky which is to avoid, whenever possible, placing children in institutional care.

The foregoing figures show that in spite of the natural increase in the population of the City during the Exposition year, the number of minors placed in the State Reform Schools and other disciplinary institutions is comparatively small and shows little increase over that of the preceeding year.

To illustrate: The following table shows the number under commitment to those institutions caring for delinquent boys and girls on January 1, 1915, and on January 1, 1916:

	1915	1916
Preston School of Industry .....	43 boys	52 boys
Whittier State School .....	3 "	2 "
Boys and Girls Aid Society.....	65 "	80 "
California School for Girls.....	13 girls	9 girls
California Girls Training Home.....	14 "	9 "
St. Catherine's Training Home.....	15 "	14 "

Special effort has been made to make probation more effective in all departments and the small number of children committed to institutions for failure to carry out the court's instructions appears to indicate that said effort has met with success.

In the Domestic Relations department more children are now in the care of the Probation Officer than ever before with a resulting decrease of committed children to custodial care.

The legal matters of the court, since the beginning of the fiscal year, in July, have been handled by a Legal adviser to the Probation office. This man, a practicing attorney, directs the preparation of all petitions, commitments and other legal papers.

In addition to the above all matters requiring legal advice are submitted to him and special suits to recover money due the City and County have been instituted and carried out by him, judgment in one case being obtained for \$3,000.00.

Special effort has been made to make probation more effective in all departments and the small number of children committed to institutions for failure to carry out the Court's instructions appears to indicate that said effort has met with success.

In the Domestic Relations department more children are now in the care of the Probation Officer than ever before with a resultant decrease of children committed to custodial care.

The legal matters of the court, since the beginning of the fiscal year, in July, have been handled by a Legal Adviser to the Probation Officer. This man, a practicing attorney, directs the preparation of all petitions, commitments and other legal papers and in addition handles all matters requiring legal advice. Special suits to recover money due the City and County have been instituted and carried out by him, judgment in one case being obtained for \$4,466.75

#### HOUSING OF JUVENILE COURT, DETENTION HOME AND OFFICES.

Prior to the fire of 1906, no effort to house the Juvenile Court in a building of its own was made, but immediately following the disaster, a temporary, one-story, wooden building was erected at 10th and Harrison Streets.

The work of the court, however, soon outgrew this building and in the spring of 1911, the court, probation offices and Detention Home were moved to a good-sized building at 2344 Sutter Street, which had since the fire been used as the temporary housing of the St. Mary's Hospital.

This building, while providing much more amply for the work of the court, is in no way suited to the real needs of the work and the Probation Committee began almost immediately considering various plans for the erection of a permanent building. It was not, however, until 1915, that a plan was submitted that appeared to meet all the needs and afford proper opportunity for the care, protection and segregation of the children.

Appropriation in the sum of \$161,381.00 was made by the Board of Supervisors in the budget of 1915-16 for the erection of a steel-frame, fireproof, concrete building, class A throughout. The lot on which this building is being erected was donated for the purpose by the Board of Education.

This building which will be ready for occupancy the latter part of the year, 1916, is a steel frame, fireproof, concrete building, class A throughout and comprises nine floors and basement. A multitude of windows offers opportunity for sun, light and air, not possible in a building of a lower type. There are also four play yards, each 30 x 80 feet.

The general plan of the building is as follows:

On the first floor is located the court room, Judge's Chambers, offices of the probation officer and his associates, excepting for those women officers

assigned to work among wayward girls, these offices being on the second floor. The second floor will also lodge the employees of the Detention Home.

On the third floor is the nursery where children under the age of six will be cared for. The special feature of this floor is the large sun porch extending the whole length of the building.

The fourth and fifth floors will house the boys and the sixth and seventh, the girls. These four floors are identical as to the arrangement and size of the sleeping rooms, fifteen in number, school room and service room.

Each of these floors is in reality a cottage by itself and can be completely shut off from any other part of the building. Each room on these as well as on all other floors, is an outside room and special plans have been perfected whereby hall partitions will permit the segregation of children even on the same floor, so that they may be divided into groups of two, three, or more.

The medical department will occupy the 8th floor which includes a clinic, examining room, operating rooms and rooms for the examination of ear, eye, nose and throat troubles, dental rooms and a room for the psychological department.

The ninth floor has been dedicated to the kitchen, laundry and employment rooms for the girls.

The basement area will contain, besides store room and boiler room, a work shop, rainy-day plan space and a gymnasium.

In each end of the building is a fire-proof elevator shaft containing, in addition to the elevator itself, a spiral stairway and there are fire escapes on the outside of the building as well.

The building is located on Otis Street (West Mission), not far distant from the City Hall and other Municipal buildings and accessible to all parts of the City through the car lines. The building is now about 60% completed.

# Report of Park Commissioners

Pursuant to Section 9, Article 15 of the Charter of the City and County of San Francisco the Park Commissioners herewith present their report for the fiscal year ending June 30, 1916.

BOARD OF PARK COMMISSIONERS.

By W. H. METSON, President.

By JAMES DE SUCCA, Secretary.



PARK COMMISSIONERS

047

RECEIPTS.

Balance brought forward from 1915.....	\$ 1,413.26	
Taxes .....	377,185.86	
Alice Skae legacy for Museum.....	10,000.00	
		<u>\$388,599.12</u>
Sundry Revenues—		
Childrens' Quarters receipts.....	\$ 33,065.05	
Beach Chalet .....	2,623.65	
Downtown Assn. for care of Market Street baskets..	671.95	
Construction of walks, Academy of Science Building	600.00	
Rent of Japanese Tea Garden.....	550.00	
Construction of lawn, Richmond Library.....	500.00	
Sale of catalogues, Museum.....	405.60	
Rent of Boat House.....	300.00	
Sale of horses.....	244.55	
Spring Valley Water Co.—for hauling rock to 19th Avenue .....	227.25	
Expenses shipping buffaloes.....	150.00	
Returned empty cement sacks.....	137.60	
Refund from Spring Valley Water Co.....	123.29	
Sale of wool.....	134.12	
United Railroad right of way.....	100.00	
J. D. Hanna, digging ditch, Great Highway.....	80.00	
Sale of sheep.....	73.00	
Sale of iron fence.....	50.00	
Sale of index cards to Academy of Science.....	9.25	
Receipts from coin locks, lavatories.....	8.30	
Sundries .....	12.35	
		<u>\$ 40,065.96</u>
Total .....		<u>\$428,665.08</u>

DISBURSEMENTS.

Golden Gate Park—		
Construction account .....	\$ 46,047.74	
Maintenance account .....	200,167.75	
		<u>\$246,215.49</u>
Small Parks and Squares—		
Construction account .....	24,899.88	
Maintenance account .....	81,737.55	
		<u>106,637.43</u>
Presidio Parkway—		
Construction .....	2,112.25	
Maintenance .....	5,185.28	
		<u>7,297.53</u>
Great Highway—		
Construction of tunnel through Upper Drive.....	2,402.60	
Cliff wall .....	291.00	
Sea wall .....	63.00	
Electric power .....	37.45	
Sewer .....	20.00	
Maintaining Great Highway.....	7,495.98	
Maintaining Convenience Station, Great Highway....	1,256.22	
		<u>11,566.25</u>

## Museum—

Labor .....	12,813.65	
Painters .....	550.25	
Paintings—Alice Skae Fund.....	9,944.50	
General expense—Curator's Fund.....	511.22	
Electricity .....	446.24	
Paints and oils, lights.....	385.66	
Drayage .....	192.75	
Coal .....	134.81	
Bunting—muslin, silk, velveteen.....	113.86	
Brooms, mops, dust pans, etc.....	84.18	
Electric lamp and fittings.....	79.50	
Hardware .....	74.02	
Printing invitations, Anniversary Day.....	65.75	
Lumber .....	61.50	
Supplies .....	57.95	
Flags .....	55.00	
Cleaning fluids, polish.....	53.20	
Stationery .....	51.99	
Repairs to electric stoves and heaters.....	25.00	
Printing supplies .....	23.30	
Insurance on Spooner paintings.....	22.50	
Water .....	19.80	
Plumbing supplies .....	8.57	
Garbage cans .....	1.90	
		<u>25,777.10</u>
Music, sheet music and programs.....	11,090.88	
		<u>11,090.88</u>

## Administrative—

Salaries—Superintendent, Clerk, Secretary, Accountant, Stenographer .....	11,460.00	
Chauffeur .....	1,500.00	
Surveyor and draughtsman.....	2,255.35	
Plumber .....	1,075.40	
Record books, printing demands and foremen's reports, typewriting supplies, stationery, postage and general expense.....	497.05	
		<u>16,787.80</u>

## Miscellaneous—

Automobile supplies and fittings.....	1,099.89	
General expense, freight and express.....	721.06	
Water, Fountains .....	112.55	
Surveying, repairing instruments and supplies, draughting materials .....	48.50	
Advertising for bids.....	25.18	
Press clippings .....	22.50	
Sundries .....	11.00	
		<u>2,040.68</u>
Balance forwarded to next fiscal year 1916-1917....	1,251.92	
		<u>1,251.92</u>
Total .....		<u>\$428,665.08</u>

## CONSTRUCTION ACCOUNT.

## Structures—

Bowling Green Club House and Lavatory (contd.)	3,591.85	
Elk Paddock Fence.....	773.12	
Japanese Temple and Gateway.....	671.45	
Balustrades—Tunnel .....	484.50	
Wire fencing .....	411.66	
Concrete gate posts.....	276.02	
Cement .....	267.75	
Foundation for statue.....	215.11	
Benches .....	152.90	
Platforms .....	78.00	
Fences, crates, labor, lumber, hardware.....	537.98	
		\$ 7,460.34

## Water Works—

Sump—Water Works .....	3,944.01	
Water pipe extension.....	1,191.60	
		5,135.61

## Roads and Walks—

Walk—South Drive .....	2,478.50	
Rhododendron Dell walk.....	1,835.05	
Drive 25th Ave. and Lincoln Way.....	1,614.81	
Walks .....	1,031.23	
Academy of Science—drives and walks (incomplete) .....	306.50	
		7,266.09

## Grounds—

Labor, loam and fertilizer, clay, seed.....	23,279.65	
		23,279.65

## Drains—

Labor and pipe.....	\$ 302.02	
		302.02

## Stock and Implements—

Auto hand lawn mower.....	350.00	
		350.00

## Stadium—

Cricket pitch.....	19.25	
		19.25

## Forestry—

Labor .....	2,150.90	
		2,150.90

## Small Works—

Rockwork .....	83.88	
		83.88

Total .....		\$ 46,047.74
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## MAINTENANCE ACCOUNT.

## Structures—

Labor .....	\$ 4,692.84
Lavatories—labor, lumber, hardware and supplies..	2,445.18
Paints and oils.....	819.33
Lily drinking fountains.....	127.50
Lumber .....	95.50

## Structures—Continued.

Hardware .....	87.03	
Brooms, brushes, mops.....	55.00	
Wall paper and lining.....	19.16	
Roofing .....	13.68	
Wire netting .....	8.81	
Sundries .....	22.07	
Lodge:		
Coal—electric light .....	225.81	
Fences:		
Acid—lumber .....	229.50	
Boats:		
Paints and oils.....	62.02	
Backstop:		
Lumber—Netting .....	78.40	
Benches:		
Hardware, etc. ....	60.30	
Gjoa:		
Flag—paints .....	8.65	
		\$ 9,050.78

## Tennis Courts and Club House—

Labor .....	1,623.00	
Nets—fittings, etc. ....	111.58	
		1,734.58

## Water Works—

Labor .....	9,286.00	
Electric power .....	560.29	
Fuel oil .....	491.80	
Brass pump valves.....	435.00	
Machine fittings .....	313.17	
Water pipe and fittings.....	281.74	
Boiler compound .....	217.00	
Machine oil .....	167.28	
Packing—rags .....	143.18	
Coal oil .....	83.60	
Fire brick .....	45.00	
Repairs to engine.....	44.50	
Electric fittings .....	23.90	
Cement .....	18.00	
Hardware .....	15.82	
Supplies .....	13.30	
Electric light—cottage .....	10.54	
Sundries .....	10.55	
Windmills:		
Machine fittings .....	309.75	
Lumber .....	16.00	
Rope—waste .....	5.66	
		12,492.08

## Roads and Walks—

Labor .....	11,120.70	
Oil .....	2,454.93	
Screenings .....	301.90	
Road dressing .....	37.08	
Sundries .....	27.15	
		13,941.76

## Grounds—

Labor .....	68,226.15
Sulphate of copper—alum, ammonia, blue stone for lakes .....	983.91
Hose .....	928.00
Seed .....	332.62
Bulbs .....	231.70
Plants .....	227.50
Iron garbage cans.....	132.00
Decorative grass sod.....	100.00
Irrigator .....	49.60
Redwood stakes .....	39.00
Soot .....	37.50
Lime .....	24.00
Hardware .....	24.65
Fertilizer .....	20.00
Twine .....	13.30
Cartridges .....	14.51
Labels .....	6.30
Sundries .....	7.61

71,398.65

## Conservatory—

Labor .....	5,983.00
Fuel oil .....	390.57
Plants .....	296.84
Repairs to boiler.....	180.85
Electric light .....	135.81
Insecticide .....	100.20
Orchid moss .....	87.50
Flower pots .....	71.50
Lumber .....	39.80
Moss .....	27.50
Electric fittings .....	11.06
Rubber hose .....	9.00
Fire brick .....	8.00
Lime .....	3.00
Hardware .....	2.05
Paints and oils.....	2.13
Alcohol .....	1.33
Sundries .....	4.95

7,355.09

## Nursery—

Labor .....	12,031.05
Plants .....	723.26
Seed .....	462.40
Manure .....	441.50
Drayage on plants.....	187.50
Paints and oils and lights.....	47.54
Shingles .....	40.85
Fertilizer .....	45.21
Hardware .....	24.91
Peat loam .....	25.00
Rope yarn .....	19.50
Rubber hose .....	10.00
Labels .....	6.10

## Nursery—Continued.

Lime .....	5.81
Stationery .....	2.25

14,072.88

## Rolling Stock and Implements—

Labor .....	3,644.75
Smithshop .....	1,170.38
Tools .....	580.58
Harness and repairs.....	303.15
Rolling stock .....	300.00
Lawn mowers and fittings.....	236.79
Road grader .....	100.00
Auto truck—gasoline, tires, repairs and fittings.....	1,397.72
Auto mower—gasoline, oils, repairs and fittings.....	231.39
Hand mower—gasoline and fittings.....	47.73

8,012.49

## Stables—

Labor .....	2,652.00
Feed and hay.....	5,715.79
Clipping horses .....	143.50
Millwork .....	17.50
Brushes, curry-combs .....	15.05
Supplies .....	12.70
Veterinary services .....	11.75
Oil .....	4.00
Drugs .....	3.79
Coal oil .....	1.85
Electric light .....	1.72
Sundries .....	4.99

8,584.64

## Children's Quarters—

Labor .....	10,021.60
Supplies .....	12,234.69
General expense and extra help, Superintendent's Fund .....	2,224.32
Feed and hay.....	1,000.00
Gas and electric light.....	421.47
Laundry .....	284.29
Paper napkins .....	189.22
Crockery—kitchen utensils .....	182.38
Electric fixtures and fittings.....	198.58
Printing tickets—candy bags, menu cards, etc.....	151.85
Gas range and toaster.....	157.50
Water .....	99.72
Hardware .....	91.88
Harness and repairs.....	89.75
Carpets, linoleum, drapes, etc. ....	84.66
Linen .....	63.18
Cash register .....	40.38
Donkeys .....	40.00
Music—circus day .....	44.00
Uniforms .....	30.50
Printing postcards .....	30.00
Fire extinguishers .....	28.00
Renovating carpets, mattresses and curtains.....	29.20
Brushes, brooms and mops.....	29.42

## Children's Quarters—Continued.

Lavatory Supplies .....	21.00	
Swings, seesaws and fittings.....	30.34	
Platform—4th of July exercises.....	21.00	
Wall paper and lining.....	16.57	
Hose .....	8.50	
Veterinary services .....	6.00	
Stationery .....	9.65	
Coin wrappers .....	5.25	
Coal oil .....	2.90	
Drugs .....	2.50	
Merry go round—orchestration, track, wheels, lum- ber, hardware, electric power.....	1,005.10	
Free May Day expense.....	758.04	
	<hr/>	29,653.44

## Beach Chalet—

Labor .....	900.00	
Supplies .....	1,636.31	
Gas .....	69.60	
Crockery—kitchen utensils .....	56.19	
Laundry .....	51.53	
	<hr/>	2,713.63

## Live Stock—

Buffalo, elk, deer, bear, birds—labor.....	5,690.75	
Feed for birds and animals.....	6,055.29	
Birds—Finches, doves, thrushes, larks, blackbirds, pheasants, linnets, etc.....	237.00	
Lumber and hardware, crates.....	107.74	
Veterinary services .....	19.50	
Drugs .....	8.95	
	<hr/>	12,119.23

## Forestry—

Labor, thinning and replanting.....	3,377.45	
Water pipe .....	65.45	
Redwood stakes .....	40.50	
Whale oil soap.....	25.00	
Tools .....	9.11	
Spray and hose.....	14.88	
Entomological supplies .....	3.50	
Sundries .....	2.30	
	<hr/>	3,538.19

## Stadium—

Labor .....	4,093.00	
Manila rope .....	37.84	
Roofing for sheep shed.....	26.10	
Rubber Hose .....	20.00	
Lime .....	6.00	
Lumber .....	5.30	
Supplies for sheep.....	6.75	
	<hr/>	4,194.99

## Drains—

Labor .....	1,235.90	
Pipe .....	52.22	
Rubber boots .....	17.20	
	<hr/>	1,305.32

Total .....	<hr/>	\$200,167.75
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## PARK COMMISSIONERS

## SMALL PARKS AND SQUARES.

## CONSTRUCTION ACCOUNT.

## Labor and Material—

Alta Plaza .....	\$	562.64
Alamo .....		1,093.56
Buena Vista .....		841.83
Balboa .....		54.00
Bay View .....		185.25
Civic Center .....		6.00
Dolores .....		2,677.76
Fairmount .....		42.00
Girls' High School.....		3.00
Huntington .....		2,129.75
Lincoln .....		11,887.29
Lafayette .....		75.00
McKinley .....		776.28
Mission .....		30.00
Mt. Lake .....		1,128.88
Parkside .....		1,775.34
Richmond Library Grounds.....		1,340.47
Sharp Park .....		250.83
Union .....		40.00
		<hr/>
		\$ 24,899.88

## MAINTENANCE ACCOUNT.

	Labor	Water	Sundries	
Alta Plaza .....	\$3,610.00	\$1,962.84	\$ 163.22	\$5,736.06
Alamo .....	3,421.50	2,528.78	47.54	5,997.82
Bernal .....	721.00	550.00		1,271.00
Balboa .....	4,126.00		241.21	4,367.21
Buena Vista .....	2,946.00	604.96	84.48	3,635.44
Columbia .....	1,413.00	517.00	15.80	1,945.80
Coso .....	84.00	41.02		125.02
City Hall .....	285.00	44.00		329.00
Duboce .....	1,742.75	1,013.10		2,755.85
Dolores .....	2,009.25	946.72		2,955.97
Franklin .....	1,232.00	660.00		1,892.00
Fairmount .....	64.00	19.80		83.80
Garfield .....	1,274.50	621.50	82.50	1,978.50
General account .....	592.15		812.00	1,404.15
Holly .....	2,496.50	637.57	18.09	3,152.16
Home .....	176.50	38.61		215.11
Jefferson .....	3,663.25	2,079.00	35.65	5,777.90
Lafayette .....	3,064.00	1,357.95		4,421.95
Lincoln .....	7,175.55	247.00	2,194.03	9,616.58
Library Grounds .....	273.00			273.00
Mission .....	3,731.75	3,300.00	32.82	7,064.57
Con. st. Mission.....	480.00	156.70	38.17	674.87
Mt. Lake .....	32.75			32.75
Portsmouth .....	1,204.50	269.50	45.00	1,519.00
Parkside .....	24.00			24.00
Schools .....	1,379.75			1,379.75
South Park .....	371.00	165.00		536.00
St. Mary's .....	891.00	254.04		1,145.04



Maintenance Account—Continued.

Telegraph Hill .....	65.00			65.00
Union .....	2,248.00	550.00	5.00	2,803.00
Con. st. Un. ....	1,137.25	365.00	65.20	1,567.45
Washington .....	1,503.00	473.00	30.00	2,006.00
Con. st. Wsh.....	802.75	332.77	112.02	1,247.54
McKinley .....	938.50	77.00		1,015.50
Richmond Police Station.....	3.00			3.00
Market St. Baskets.....	429.00			429.00
Bay View .....	513.40			513.40
Civic Center .....	925.50	389.86		1,315.36
Richmond Library Grounds....	462.00			462.00

\$ 81,737.55

APPORTIONED ACCOUNT.

Administrative—

Construction grounds Golden Gate Park.....	\$ 4,000.00
Construction grounds Parks and Squares.....	2,500.00
Maintenance grounds Golden Gate Park.....	5,787.80
Maintenance grounds Parks and Squares.....	3,000.00
Maintenance structures .....	1,000.00
Maintenance Great Highway.....	500.00

\$ 16,787.80

Miscellaneous—

Construction grounds Golden Gate Park.....	500.00
Construction grounds Parks and Squares.....	500.00
Maintenance grounds Golden Gate Park.....	1,000.00
Maintenance grounds Parks and Squares.....	40.68

2,040.68

Stock and Implements—

Construction grounds Golden Gate Park.....	2,012.49
Construction grounds Parks and Squares.....	2,000.00
Maintenance grounds Golden Gate Park.....	2,350.00
Maintenance grounds Parks and Squares.....	650.00
Maintenance Structures .....	1,000.00

8,012.49

Water Works—

Construction grounds Golden Gate Park.....	500.00
Maintenance grounds Golden Gate Park.....	11,492.08
Maintenance Structures .....	500.00

\$ 12,492.08

Nursery—

Construction grounds Golden Gate Park.....	4,000.00
Construction grounds Parks and Squares.....	3,000.00
Maintenance grounds Golden Gate Park.....	5,072.88
Maintenance grounds Parks and Squares.....	2,000.00

14,072.88

Stables—

Construction grounds Golden Gate Park.....	1,584.64
Construction grounds Parks and Squares.....	1,000.00
Maintenance grounds Golden Gate Park.....	1,000.00
Maintenance grounds Parks and Squares.....	500.00
Construction drives Golden Gate Park.....	500.00
Construction walks Golden Gate Park.....	1,000.00
Maintenance drives Golden Gate Park.....	3,000.00

8,584.64

# Report of Widows' Pension Bureau

July 1, 1916.

Hon. James Rolph, Jr.,  
Mayor City and County of San Francisco.

Dear Sir:—In compliance with Article XVI, Section 9, of the Charter of the City and County of San Francisco, permit me to submit the following report of the Widows' Pension Bureau for the fiscal year ending June 30, 1916.

Respectfully submitted,

MARGARET C. NESFIELD,  
Director Widows' Pension Bureau.

## REPORT OF WIDOWS' PENSION BUREAU, SAN FRANCISCO.

For the Fiscal Year Ending June 30, 1916.

## OBLIGATION OF STATE TO DEPENDENT CHILDREN.

"If we take in earnest all that we say of the duties and responsibilities of motherhood we shall recognize that the mother of young children is doing better service to the community and one more worthy of pecuniary remuneration, when she stays at home and minds her children than when she goes out charing and leaves them to the chances of the street or to the care of the neighbor. In proportion as we realize the force of these arguments, we reverse our view as to the nature of public assistance in such a case. We no longer consider it advisable to drive the mother out to her charing work nor do we consider her degraded by receiving public money. We cease in fact to regard the public money as a dole; we treat it as a payment for civic service and the condition that we are trying to exact is precisely that she should not endeavor to add to it by earning wages but rather that she should keep her home respectable and bring up her children in health and happiness."

L. T. HOBHOUSE,  
Professor Sociology London University.

This thought that the child is the most important asset of the State, the most vital hope for the civilization of the future, and as such entitled to demand not as a charity but as a sacred obligation on the part of the State, the protection and care necessary to make it an intelligent and potent factor in the community of tomorrow, is the actuating principle that has prompted Pension Legislation in the thirty States of the Union that have at the present writing made it possible for the home to be conserved by paying the mother for the care of her dependent children. In every part of war-worn Europe, the child is recognized as being the first line of defense, not the second, nor the third, nor the fourth. It is well for us, who are perhaps, because of our geographical isolation not sufficiently appalled by the terrific destruction of human life in the present war, to realize that the only help for the democracy of the future lies in the intelligent upbringing of the children who are about to take their places in the manhood and womanhood of the coming generation. The obligation of the State toward the conservation of the home, the recognition that the mother is rendering a service to the community in properly caring for her child,—that the Pension is not a charity dole but a payment for services rendered, is aptly characterized by Mr. William Hard, as "the moral pivot on which the whole movement swings from its existence in human aspiration to its existence in human fact."

## GROWTH OF WIDOWS' PENSION BUREAU SAN FRANCISCO 1913-1916.

The California State Legislature in 1913, amended the State Orphan Aid Act which provides that half orphan children cared for in institutions shall be paid for by the State at the rate of One Hundred Dollars a year up to the fourteenth year, with a clause making it possible where need exists for the widowed mother to receive this same amount, \$6.25 a month, from the State, and an equal amount from the County if the State appropriation is insufficient, so that the home may be kept together. In San Francisco County where since the Fire and Earthquake of 1906, provision had been made for the care of dependent children in the homes under the Juvenile Court Act, a new Bureau was established to carry out the new law. Two hundred and twenty-three cases

## WIDOWS' PENSION BUREAU

were transferred from the Juvenile Court to the Widows' Pension Bureau as the nucleus for the new work. These families continued to be cared for through the Court until re-investigations had been made by the new office and the necessary legal blanks could be prepared. The office opened officially Sept. 2, 1913 for the taking of applications and for the visiting of the transferred cases. Payments began on 114 of these cases, Dec. 1, 1913. One hundred and nine cases were not considered for the following reasons:

- 47 parents not citizens (returned Juvenile Court.) (This citizenship requirement was later declared unconstitutional and these cases re-considered by Pension Bureau.)
- 20 unsatisfactory homes (returned Juvenile Court).
- 7 desertion cases (returned Juvenile Court).
- 3 children not living with mother (returned Juvenile Court).
- 24 self-supporting (aid discontinued).
- 5 re-married (aid discontinued).
- 3 not in County (aid discontinued in San Francisco County).

No payments were made on new applications until March 1, 1914.

In San Francisco County during the last three years the number of applications made, the commitments, cancellations, active cases and cost to the State and to the County are given in the following table:

Date	No. Applications Cases Committed	Cases Cancelled	Active Cases	State		County		Total
Sept. 2, 1913								
Dec. 31, 1913...	508	114	0	114	\$ 1,762.50	\$ 669.75	\$ 2,432.25	
June 30, 1914...	141	42	4	152	13,800.53	4,538.77	17,339.30	
June 30, 1915...	296	296	44	406	55,884.81	29,479.09	85,363.90	
June 30, 1916...	196	103	127	376	68,805.28	42,187.92	110,993.20	
	<u>1141</u>	<u>555</u>	<u>175</u>		<u>\$139,253.12</u>	<u>\$76,875.53</u>	<u>\$216,128.65</u>	

## PROPORTION OF OVERHEAD EXPENSE TO PENSION GRANTS.

The Budget appropriation for the administration of the Widows' Pension Bureau during the fiscal year 1915-1916 was \$5,680. This amount was appropriated for salaries and office expenses and was borne entirely by the County. The Budget appropriation for the families to be cared for through the Widows' Pension Bureau during the same period was \$125,000. Of this amount about 61 per cent was borne by the State and 39 per cent by the County. The appropriation for salary and office expenses just met the expenditure and there was a refund to the County Treasurer from the \$125,000 appropriation of \$14,007. In addition, the State refunded to the County \$68,805.28 of the \$110,993.20 expended in caring for half orphan children with their widowed mothers, so that the actual expense to the County was \$42,187.92. Approximately, the cost of administration is 5% of the amount actually expended.

## OFFICE ADMINISTRATION.

During the last year there was no change in the number on the staff of the Widows' Pension Bureau. The duties of the Social Service Nurse are now assumed by a woman physician, who keeps the mothers and children cognizant of and in touch with the various hospitals, and medical and dental clinics. As in 1914-1915, the office force consists of a Director, Assistant Director, Social Service Visitor, Stenographer-Bookkeeper, and a student from the State University who gives regular assistance in the office work.

## RECORDS.

The records of the Widows' Pension Bureau are practically the same as at the time of the last report except that the State blanks have been slightly changed and contain more complete case data. The records consist of the following:

1. Card Catalogue (all applications).
2. Active Card File.
3. Case History File (individual folders, containing investigators' reports, correspondence, State blanks, medical records, etc.).
4. Legal Evidence File (evidence of marriage, death of husband and residence in State and County).
5. District Maps.
6. District Book (names, addresses, case numbers and amount of pension, —alphabetically arranged for each district).
7. Application Book (applications as received chronologically).
8. Calendar Book (loose leaf records of each month's recommendations of new cases and changes on old cases to Finance Committee of Board of Supervisors).
9. Ledgers (loose leaf financial sheet for each family, showing automatic expiration of pension, amount paid out each month, increases, reductions or cancellations).
10. Letter File (all correspondence not directly connected with Pension Cases).
11. Pension Law File (copies of Pension Laws enacted in other States and correspondence on the same).
12. Supervisory Current Reports arranged by districts (On these reports are based recommendations for commitments or for changes in pensions. These reports are filed with the Case Histories when completed.)
13. Office Ledger (record of salaries and current expenses).
14. Large Wall Map of City and County with colored tacks showing location of each family, the different colors denoting the amounts given. Each tack contains a small tag or case number.

## PREREQUISITES TO AID.

(a) State: The Legislature of 1917 will probably raise the age limit from fourteen to fifteen years. There is a prerequisite of two years residence in the State.

(b) County: Half orphan cases where home conditions are unsatisfactory are referred to the Juvenile Court. Mothers who supplement their pensions by work away from home must make satisfactory provision for the care of the children during their absence. No County Aid is given if the mother wishes to increase her income by having men roomers or boarders; as this is not a State regulation, State Aid cannot be refused where the moral standard is high, but the proportion of widows who find it profitable to have men roomers and forfeit

County Aid is negligible. One year's residence in the County is also demanded before County Aid is given to supplement State Aid; this because of lack of standardization throughout the various counties of the State and to protect San Francisco from the influx of dependent widows from other counties where no additional aid is given, and where even State Aid is paid in grocery orders. The Widows' Pension Bureau also demands that the home, in order to meet the requirements of the Board of Health, must conform with the following conditions:

1. Each bed-room must meet requirement of five hundred cubic feet per person.
2. No more than two children should sleep in one bed.
3. At least two rooms in each dwelling should receive an adequate amount of light and sun. These should be used as sleeping rooms. Dwellings having inside rooms not receiving direct light cannot be considered as suitable.
4. There should be adequate yard space to permit children to play away from the streets.
5. The plumbing should be absolutely sanitary, and there must be a bath in each house.

Besides the above requirements it is necessary that the home should be kept clean; that proper food and clothing should be provided; that strict attention should be paid to the school requirements of the community; that the children receive proper medical and dental attention, and that the moral atmosphere of the home should be above reproach. All of these essentials would be demanded of any institution asking for State and County Aid for the care of dependent children, and the State and County officials consider that as the payments of the pension is a business proposition between the mother and the local and State Government, that such requirements should be legally enforced.

#### MINIMUM INCOME.

In San Francisco the Widows' Pension Bureau considers that \$12.00 per capita in large families gradually increasing to \$15 per capita in families of three or less is the smallest net income on which the home can be maintained. This estimate was reached by conference with the Department of Nutrition of the University of California and by practical experimentation by members of the office force. Where the home is owned, \$10 a month is substracted as the equivalent of rent, and where members of the family under twenty-one years are employed, \$6.00 a month is deducted for car-fares and lunches and the balance of their earnings is counted as part of the family budget. With older un-married members of the family it is considered that where the salary is under \$50.00, not more than \$30 or \$35 can be demanded for the support of the home. The Pension grant is based upon any deficit that may exist between the net earnings capacity of the family and the minimum standard of living for a family of any given size.

#### METHOD OF HANDLING APPLICATIONS.

Applications are made in person, and the applicant is carefully instructed in the State and County rulings concerning Pension grants. Dependency cases which cannot be handled through the Widow's Pension Bureau are referred to the Juvenile Court. The applicant is instructed that the Pension grant is a payment by the State and County for services rendered, and that failure to render these services means forfeiture of the pension. A very careful preliminary investigation is made of the home, the social environment, the assets and liabilities of the

applicant, school records and physical condition of the children. The mother is allowed the choice of her own medical adviser where these services can be obtained gratuitously, and in cases where she is at a loss to obtain necessary medical care for herself or the children, such help can be obtained through the Widows' Pension Bureau because of the very sympathetic co-operation of the various hospitals and clinics with the office.

#### APPROVALS.

At the beginning of each month all cases recommended by the Pension Bureau are submitted to the Finance Committee of the Board of Supervisors for approval. Notification of these recommendations is then sent to the State Board of Control at Sacramento. As the money is not paid in advance, the Children's Agents of the State Board of Control thus have thirty days in which to re-visit any cases where there may be a question of need, before the money is paid.

#### PAYMENT OF MONEY.

All pensions are paid in actual money. They are paid at the end of each month, as is usual with State and Municipal salaries. When the children become wage earners and the income increases, the pension decreases and finally stops. One month's notice is given before discontinuance of pension, so that the family may adapt itself to the change in financial condition and so that, if there is any question of hardship in reduction or cancellation of pension the mother may have an opportunity of presenting facts that may alter the decision arrived at.

#### CO-OPERATION: USE OF COMMUNITY RESOURCES.

From its very inception, the work of the Widows' Pension Bureau was based on and is dependent on co-operation with other social agencies of the community.

(a) Juvenile Court. When the Pension Legislation of 1913 separated the cases of widows with half orphan children from those of other dependent families receiving care and protection through the Juvenile Court, it was with the understanding that the Court should continue its jurisdiction over all widowed mothers where the standard of the home was below normal because of drink, immorality, or inability to properly supervise the children and maintain a high type home. All cases where there is no marriage evidence, where the father is in a State Penitentiary or State Hospital for the Insane, or is incapacitated through illness for providing for his family or where the mother is intemperate or morally weak, are still handled through the Juvenile Court. This co-operation enables the Widows' Pension Bureau to care only for high type homes where need comes solely because of the death of the bread-winner, without inflicting any serious hardship upon the family that must be kept together, if at all, by aid of the strong and protecting arm of the law.

(b) Associated Charities: Another invaluable help to the Pension Bureau is the co-operation of the Associated Charities and other child-placing agencies in temporarily caring for widowed families where there are no relatives and where there is no insurance, or other available asset, during the period between the dates of application for the pension and the time when the mother is in actual receipt of the pension grant. This interval is usually from two to two and a half months and the fact that emergency aid can be and is given during this period makes it possible for the office to consider the cases in order of application and precludes any danger of political or other influence being urged to have

cases put on the list out of turn. There is also a co-operation from these agencies during this interval in helping to re-establish the family in a home where sanitation and housing requirements come up to the standards of the Board of Health and of the Widows' Pension Bureau.

(c) County and State Officers: When the widow applies for a pension there are legal papers that must be filled out and forwarded to Sacramento. This work is done through co-operation with the County Clerk's Office in properly attesting all necessary documents without charge to the widow. The Board of Health provides gratuitously copies of death certificates. The Registrar's Office furnishes duplicate copies of registration as evidence of citizenship, not at the present moment an actual pre-requisite to Pension Aid. Information is obtained through the Assessor's and Tax Collector's Office concerning the location and the assessed valuation of property, and other necessary information is obtained gratuitously through the State Board of Health, the State Library and the United States Immigration Office.

(d) Hospitals, Clinics and Legal Aid Bureau: The Widows' Pension Bureau is able to obtain legal aid, clinical or hospital and dental care for families receiving pension grants through the San Francisco Hospital, the Children's Hospital, University of California Hospital, the Stanford University Hospital, the San Francisco Dental Clinic and the University of California Dental Clinic and the various clinics connected with private hospitals throughout the City. The Tuberculosis Clinic is also very helpful in supplementing with milk and eggs in families where there has been a history of tuberculosis.

(e) Private Charitable Organizations: Although the effort is made to supply the need in each Pension family from the State and County Funds, there are times when illness makes it necessary to ask temporary help to supplement pension grants. This help has always been most cheerfully accorded through the San Francisco Fruit and Flower Mission, the various foreign benevolent associations, the Catholic Humane Bureau and the Eureka Benevolent Society.

(f) Co-operation with Family: A point that must never be lost sight of in all pension work is that the initiative and self-respect of the family helped must be conserved during the period of dependency so that when the time of readjustment comes, and the children become wage earners, the family may resume its place as a normal factor in Society. This can only be done when the Bureau and the pensioned family are absolutely working in harmony. Miss Richmond lays stress on this point when she states that the successful social worker must have an intimate and continuous knowledge of and sympathy with the family's joys, sorrows, opinions, feelings and entire outlook upon life, and that the visitor who has this is unlikely to blunder in any detail of relief work. "All co-operation is primarily an act of faith; it implies vision, trust, and a common goal," and unless this relationship can be established between the family and the social worker, there can be no successful result.

The co-operative agencies that have been most helpful to the Widows' Pension Bureau of San Francisco are:

#### FOREIGN CONSULATES:

#### FEDERAL:

Children's Bureau, Washington, D. C. (Co-operation in keeping in touch with Pension Legislation throughout the United States, in an effort to ultimately standardize all Pension Work.)

Federal Employment Bureau for Women, San Francisco.

United States Immigration Station, Angel Island. (Marriage evidence in Oriental cases.)



## STATE:

State Board of Control, Sacramento. (Approves all recommendations and cancellation made by a County office thus sharing responsibility in any action taken.)

State Industrial Accident Commission.

State Board of Health, Sacramento. (Provides death certificates in cases outside of San Francisco County.)

State Board of Charities and Corrections. (Investigates homes for purpose of granting permits to widows to board children.)

Native Sons and Daughters Central Committee on Homeless Children. (Places homeless children to board with Pension families.)

State Employment Bureau for Women, San Francisco.

## University of California:

(a) Medical Department: Hospital and clinical care. Pre-natal Nurse.

(b) Dental Department.

(c) Psychiatric Clinic.

(d) Department of Economics. (Work of two students each term in preparation of statistics.)

(e) Department of Dietetics. (Preparation of tables showing food values and minimum standards of living for families of various sizes.)

## PRIVATE CHARITABLE ORGANIZATIONS:

Robinson and Wendel Bequests (Mayor's Office).

San Francisco Fruit and Flower Mission.

San Francisco Associated Charities.

Catholic Humane Bureau.

Eureka Benevolent Society.

St. Vincent de Paul Society.

German Ladies' Benevolent Society.

French Ladies' Benevolent Society.

Swiss Benevolent Society.

Vittoria Colonna Society.

## LEGAL AID SOCIETY:

## FRATERNAL ORDERS:

Knights of Columbus.

Masons.

Foresters.

Elks.

Odd Fellows.

## HOSPITALS AND CLINICS:

Children's Hospital.

San Francisco Hospital.

University of California Hospital.

Mount Zion Hospital.

San Francisco Tuberculosis Clinic.

Arquipa Sanitorium (County home for arrested cases of tuberculosis).

## COUNTRY VACATION HOMES:

St. Dorothy's Rest.

Hill Farm.

## SETTLEMENTS:

Telegraph Hill Settlement.  
 People's Place.  
 Girl's Recreation Club.  
 Mission Center (Y. W. C. A.).  
 Girls' Club.  
 St. Ignatius Settlement.  
 Boys' Club.

## DAY HOMES:

Sisters of the Holy Family Day Homes.  
 Kip Memorial Mission.  
 Infants' Shelter.

## SCHOOLS:

Public Schools and Parochial Schools. (Co-operation in keeping children in regular attendance at school.)  
 San Francisco Board of Education. (Issuance of working permits for children over 15 years.)

It may be well to mention that while all the community resources have been availed of to the utmost the actual material help generally ends after the home has been readjusted and the pension started. In every case it is felt that the obligation of meeting the needs of the family rests primarily with the State and with the County and it is only when the Pension aid has been forwarded to the limit that the law allows and there is still a deficit that the private charity organizations are appealed to. Of the 376 cases active at the time of this writing not more than 20 are in receipt of supplemental help in milk or in grocery orders. Of course, when sickness comes or in times of unemployment, the private organizations are appealed to and are most generous in their response, but the payment of the amount needed for the maintenance of the family through the Pension Bureau, conserves the self-respect of the mother by obviating the necessity of her dragging around from one charity agency to another, receiving a dole here and there until it is almost impossible for her to escape the habit of mendicancy.

Summarizing, the aim of the Widow's Pension Bureau is to carry out the provisions of the law so that the home may be conserved with the least possible hurt to the self-respect and dignity of the applicant. An effort is made to place the family in a friendly business relationship with the office and to standardize and regulate the pension grants according to the need of each particular family, so that it may meet the deficit between the net incomes and the minimum standard of need. Undoubtedly, in some few cases, advantage is taken of this attitude of the office but in the long run the work has not suffered by imposition and the friendship that has been established between the Pension Bureau and the widowed families is of infinitely more value and far offsets any possible loss that may result.

Mr. William Hard in his article on "Financing Motherhood" speaks of the social nurse, medical inspectors, play-ground inspectors, school teachers and other public officials as mere assistants to the mother in the work of preparing her children for good citizenship. "They are knowledge. The mother is life. This twentieth century, more than any other century before it, is devising plans by which, in every possible case, the mother may be held steadily to her task of arousing life, intense and abundant in the children she bears. Therein we may read the signs of the times which point up the road of the immediate future to a state reverence of motherhood never before imagined."

Respectfully submitted,

MARGARET C. NESFIELD,  
 Director Widows' Pension Bureau.

# Report of Licenses

San Francisco, July 22nd, 1916.

Hon. James Rolph, Jr.,  
Mayor, City and County of San Francisco.

Dear Sir: In compliance with Article XVI, Section 9, of the Charter of the City and County of San Francisco, I have the honor to submit herewith the report of the License Department of the Tax Collector's Office for the fiscal year ending June 30th, 1916.

EDWARD F. BRYANT, Tax Collector.  
By JAS L. MILLER, Deputy.

## TAX COLLECTOR'S ANNUAL REPORT OF LICENSES COLLECTED.

For Fiscal Year 1915-1916.

No. Issued		Amount
4111	Apartment Houses .....	\$ 12,480.00
35	Assayers .....	355.00
9	Advertisers .....	80.00
37	Auctioneers .....	3,700.00
12	Ball and Ring Games.....	60.00
3	Baseball .....	225.00
282	Baths, Public .....	1,293.00
4805	Billiards and Pool Tables.....	19,220.00
8	Bill Posters .....	2,625.00
155	Bowling Alleys .....	775.00
62	Brokers, Custom House .....	695.00
1134	Brokers, Real Estate .....	6,130.00
276	Brokers, Merchandise .....	1,835.00
459	Brokers, Stock and Investment.....	3,502.00
51	Carpet Cleaning .....	510.00
12	Circus .....	695.00
41	Concerts .....	205.00
9	Concert Halls .....	634.00
66	Concealed Weapon Cards.....	198.00
2	Cycleries .....	8.00
511	Dance Halls .....	3,832.50
4	Detective Agencies .....	60.00
7621	Dog Tags .....	11,431.50
724	Dog Tags, Duplicate.....	362.00
61	Dyeing and Cleaning .....	438.00
70	Exhibitions .....	467.00
13	Electrical Fixtures, Installing.....	1,300.00
241	Electricians, Master .....	2,410.00
8	Express Agents .....	75.00
8	Gas Regulators .....	80.00
98	Guides, City .....	980.00
30	Guide Badges .....	75.00
2487	Hotels .....	10,817.00
12	House Moving .....	300.00
194	Intelligence Office .....	3,104.00
13	Itinerant Vendors .....	650.00
803	Junk Dealers .....	1,025.00
1027	Laundries .....	6,878.00
3	Light and Power Companies.....	6.00
8020	Liquor Dealers, Retail .....	1,002,500.00
477	Liquor Dealers, One Day .....	4,770.00
352	Livery Stables .....	1,408.00
2338	Lodging Houses .....	7,014.00
93	Mercantile and Collection Agents.....	975.00
6	Merry-go-round .....	60.00
169	Nickel-in-Slot Machines .....	299.00
340	Panorama and Kinetoscopes.....	8,500.00
184	Pawnbrokers .....	5,704.00
1935	Peddler Tags .....	11,610.00
468	Peddler, Gratuitous .....	
24	Petroleum, Storage of.....	240.00
5	Patent Chimneys, erecting of.....	625.00

REPORT OF LICENSES

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No. Issued		Amount
4	Railroad Stage Line Agents.....	40.00
1	Railroad Ticket Peddler .....	10.00
4767	Restaurants .....	16,631.00
8	Riding Academies .....	32.00
375	Runners and Solicitors.....	3,750.00
86	Slaughterers .....	1,297.50
1075	Second Hand Dealers.....	2,121.00
47	Shooting Galleries .....	353.50
286	Transfer and Delivery Companies.....	1,430.00
18	Theatres .....	4,368.00
26	Theatres, Ticket Scalpers .....	260.00
39	Towel Companies .....	234.00
137	Warehouses .....	2,150.00
34	Water Companies .....	1,064.00
609	Automobile, Passenger Vehicles .....	2,157.00
1867	Automobile, Trucks less 1 Ton.....	4,804.00
464	Automobile, Trucks 2 Ton.....	2,354.00
384	Automobile, Trucks over 2 Ton.....	3,885.75
5	Cabs .....	9.00
2620	Cars, Street Railroad.....	9,825.00
2	Coaches and Busses.....	7.50
1248	Driver Badges .....	1,248.00
18	Hacks .....	45.50
4703	Single Wagons, One Horse.....	7,261.25
3743	Double Wagons, Two Horses.....	9,509.00
491	Double Trucks, Two Horses .....	2,472.00
213	Four Horse Trucks .....	2,137.00
1341	Jitney Busses, Class A.....	13,423.50
95	Jitney Busses, Class B.....	1,620.50
<b>64640</b>		<b>\$1,237,720.00</b>



# APPENDIX





# Board of Supervisors

The following constituted the Board of Supervisors on July 1, 1916.

JAMES ROLPH, JR.,  
Mayor and Ex-Officio President.

(Terms expire January 8, 1918.)

Cornelius J. Deasy.....	City Hall
Andrew J. Gallagher.....	1379 Market Street
Fred L. Hilmer.....	129 Davis Street
Ralph McLeran .....	113 Clayton Street
Charles A. Nelson.....	1590 Underwood Avenue
Edward L. Nolan.....	City Hall
James E. Power.....	1207 Ashbury Street
Fred Suhr, Jr. ....	2919 Mission Street
John O. Walsh.....	117 Fair Oaks Street

(Terms expire January 8, 1920.)

Edward J. Brandon.....	20 De Soto Street
J. Emmet Hayden.....	34 Market Street
Oscar Hocks .....	558 Guerrero Street
John D. Hynes.....	550 Page Street
John C. Kortick.....	335 First Street
Joseph F. Lahaney.....	902 Potrero Avenue
Joseph Mulvihill.....	730 Third Avenue
Richard J. Welch.....	978 Guerrero Street
Edward I. Wolfe.....	630 Mills Bldg.

## STANDING COMMITTEES.

- Auditorium—Brandon, Hynes, Gallagher.
- Civil Service—Hocks, Hayden, Hilmer.
- Commercial Development—Kortick, Walsh, Welch, Wolfe and Brandon.
- Education, Parks and Playgrounds—Power, Wolfe, Kortick, Welch and Suhr.
- Electricity—Suhr, Hocks, Kortick.
- Finance—Power, Nolan, Gallagher.
- Fire—Deasy, McLeran, Nelson.
- Judiciary—Nelson, Hilmer, Hayden.
- Lands and Tunnels—Hayden, Hilmer, Walsh.
- Lighting, Water Service and Telephone Service—Nolan, Mulvihill, Power.
- Municipal Concerts and Public Celebrations—Hynes, McLeran, Power.
- Police—Lahaney, Hocks, Deasy.
- Public Buildings—McLeran, Brandon, Nelson.
- Public Health and Garbage Disposal—Walsh, Lahaney, Hynes, McLeran, Suhr.
- Public Utilities—Wolfe, Gallagher, Deasy, Mulvihill, Welch.
- Public Welfare, Weights and Measures and Publicity—Mulvihill, Hynes, Lahaney, Nolan, Hocks.
- State Laws and Legislation—Hilmer, Wolfe, Hayden, Nelson.
- Streets and Sewers—Welch, Brandon, Lahaney, Kortick, Suhr.
- Supplies—Gallagher, Mulvihill, Deasy, Nolan, Walsh.

# Mayor's Inaugural Address

Mayor's Office, San Francisco.

San Francisco, January 8, 1916.

To the Honorable Board of Supervisors of the City and County of San Francisco.

Gentlemen: It seems but a short time since I addressed myself to you in an inaugural message as Mayor of the City of San Francisco, and yet it is four years ago. I am proud that the same pleasure is again afforded me today. We have had four years of actively constructive administration. In these four years the City of San Francisco has, I think, made unusual advancement, and some of its accomplishments might be referred to on this occasion.

Industrial peace has prevailed in our city, and with industrial peace great things have been and can be accomplished. The Municipal Railway system has been built, and is being profitably operated. The new City Hall has been dedicated and is already partially occupied. It is a noble edifice, bespeaking the character of the finest city in the world. The Civic Center, which is one of the most attractive municipal plazas of its kind in the United States, has been created; the Exposition Auditorium, a building long needed by San Francisco, has been built by the exposition officials with money provided by the city; the Public Library, to cost approximately 1,000,000, has been started and is well under way; this will be completed and occupied within a year. Several fine branch libraries have been erected in various sections of the city, and others will be constructed; the City and County Hospital, one of the most modern and perfectly equipped institutions of its kind, has been completed and is now occupied; the Mission viaduct has been finished; many new public school buildings have been erected; the Hall of Justice and the County Jail have been completed; the fire protection high pressure system has been well advanced. This system now in operation has paid for itself by reductions in insurance rates and further reductions are promised. Modern fire-fighting apparatus has been installed and new firehouses built. The Police Department has ably and creditably performed its duties, and the record of crime has been less than in any period of the history of the city. Streets have been restored, repaired and extended; a great deal of work has been done in the repair of old streets and in the construction and opening of new streets and boulevards. Our streets are in better condition than they ever have been. Our sewer system has been greatly improved and extended. We have been granted by Congress the right to build a dam and take water and power from the Hetch Hetchy Valley. A world's exposition, unequalled, has been built, successfully managed and brought to a triumphant conclusion, thus spreading the name and fame of San Francisco throughout the civilized world. All honor, credit and thanks are due to the public-spirited citizens, the president and directors of the exposition, the members of the State Exposition Commission and the Women's Board, who directed and managed its affairs for and on behalf of the city. In short, the physical properties of the city, which were damaged in 1906, and which were, at the beginning of this administration, inadequate by the growth of the city, have been generally improved. In this work of improvement many millions of dollars have been expended without a suggestion of waste or scandal, and the outgoing members of the Board of Supervisors deserve their full measure of credit for the work thus efficiently and honestly accomplished.

I desire to express to Paul Bancroft, Thomas Jennings, William H. McCarthy, Charles A. Murdock, Henry Payot and Alexander T. Vogelsang the

thanks of the city for public service rendered during the past four years, and my personal appreciation of their ever-cordial relationship with me, and I extend good wishes for their future success and happiness. I shall ever pleasantly and gratefully remember our work together and their efforts in support of the administration over which I have had the high honor to preside for the past four years.

I cannot refer to my past four years of office and the Supervisors whose terms are now expiring without thinking of former Supervisors Guido Caglieri, A. H. Giannini, George E. Gallagher, Byron Mauzy, Daniel C. Murphy and Adolf Koshland, who, for the first two years of the present administration, contributed of their efforts and enthusiasm to the advancement of the city, and at the close of this term I thank them, with the Supervisors whose terms expire today, for the co-operation and public service rendered in behalf of our city as members of the outgoing administration.

To fill the vacancies in the various branches of the city government, expiring today, I have reappointed all my own appointees. Faithful and capable public service should be recognized. My appointments are:

Board of Public Works—Adolph Judell.

Fire Commission—John F. Davis.

Police Commission—Jesse B. Cook.

Board of Education—Dr. A. A. D'Ancona.

Park Commission—Curtis H. Lindley and A. B. Spreckels.

Election Commission—C. J. Collins and Wm. McDevitt.

Playground Commission—Rev. D. O. Crowley, Marshal Hale, Mrs. M. S. Hayward, Miss Agnes Regan, Angelo J. Rossi.

While much has been accomplished, we must remember that San Francisco is rapidly growing and it is difficult for any administration to keep pace with her needs. Much must be done in the next four years. This work cannot be accomplished without good will and cooperation on the part of every branch of the administration. We are all interested, I feel confident, in making for the administration of the next four years a creditable record. This city needs optimistic men who have confidence in her future; men who believe in progress on a scale commensurate with the needs of San Francisco; men with a vision and who believe in big things for a big city.

In this great and growing San Francisco, no matter what has been done, more and greater work is ahead. Great work requires great labor. A great future requires great preparations. It is well for the new Board, starting on its career today, to prepare its plans. I greet, today, with congratulations and hearty good wishes, and in a friendly spirit, the incoming Board of Supervisors: E. J. Brandon, C. J. Deasy, A. J. Gallagher, J. Emmet Hayden, Fred L. Hilmer, Oscar Hocks, J. D. Hynes, J. C. Kortick, Joseph Lehaney, Ralph McLeran, Joseph Mulvihill, Charles A. Nelson, Edward Nolan, James E. Power, Fred Suhr, Jr., John O. Walsh, Richard J. Welch, Edward I. Wolfe.

May I, from my four years' experience, make a few recommendations along the lines of municipal advancement that should be accomplished during our next four years.

The Municipal Railway system was established not only to make profit for the taxpayers, but to provide service. It has done both in such excellent fashion that the extension of the system will not only be a financial success, but insure the growth of San Francisco.

We should extend our municipal transportation system, commencing at the terminus of the Geary street system at the Beach, along the Beach to Sloat boulevard, and thence along Sloat boulevard to and through the Twin Peaks tunnel, providing to the adjacent districts which have contributed the largest share of the assessment for the construction of the Twin Peaks tunnel, transportation to the heart of the city.

The transportation through the tunnel must be operated by the city itself.

No time should be lost in determining the rights of the city to operate its own municipal system over its own streets, and until this question is settled, municipal transportation, in one form or another, should be provided.

In another year the Twin Peaks tunnel should be completed, and thus the Ingleside and Sunset districts will be connected directly with the business section of the city. The tunnel is one of the most valuable assets of the municipality, and the control of it for traffic at all times must be retained by the public. Plans should be formulated immediately for the extension of the Municipal Railway system from the tunnel and down Market street to the Ferry in order to provide rapid transportation for the Sunset and Ingleside districts.

The city, in view of the injunction granted by Judge Sewall, should take steps immediately to obtain the use of a loop at the Ferry terminus for the operation thereon of the cars of the municipality, and to make provision to supply sufficient power for all cars of the Municipal Railway in conformity with Judge Sewall's recent decision.

The Municipal Railway system should cross Golden Gate Park, thus connecting the Richmond with the Sunset district, and providing much needed transportation in these rapidly growing sections of our city.

The Church Street Line should be completed without delay to Thirtieth street.

At Hunter's Point, active development in the shape of dry docks and ship-building plants is progressing. Large numbers of men are daily employed there and their only present means of transportation is by water. The city should provide street car transportation from the terminus of the Potrero avenue line, at Twenty-fifth street, to Hunters Point, at as early a date as possible. This splendid section of our city is yearning for homes and is only retarded by lack of transportation and water.

As rapidly as finances will permit and prospects of returns warrant, I favor the extension of the Municipal system into other districts requiring street car transportation.

I recommend diligent and uninterrupted prosecution of development work at Hetch Hetchy, so that we may acquire water from that source at an early date. The dam should be completed as quickly as possible, for the purpose of bringing electric current to San Francisco, and, with this current, operate the Municipal Railway system and furnish lighting at a great saving of cost to the city.

The Bernal Cut should be widened, as provided for in the agreement between the city and the Southern Pacific Railway Company. This outlet for the city is needed for pedestrian, vehicular and transportation purposes down the Peninsula, and annual appropriations should be made in the budget for the prosecution of this work. The Municipal Railway system from Thirtieth street and Church street must ultimately find its extension down the Peninsula through this thoroughfare.

Annual appropriations should also be provided in the budget to complete the work already started in the construction of the esplanade from the Cliff House to the Sloat boulevard.

South San Francisco has been sadly neglected in the consideration of public improvements. It would rapidly develop into a thriving manufacturing district where rail and water meet, and where splendid home sites are lying idle simply for the want of needed improvements in the shape of streets, sewers, transportation and a water supply, on the part of the municipality. Our city depends for its growth, in a large measure, on the establishment of manufacturing plants within its boundaries, providing occupation for its people, and these should be encouraged in every way possible. To this end the administration should diligently work toward the opening, grading and widening of streets in that section

of the city; to the widening and improvement of Army street, the filling and grading of Fifth and Tenth avenues and the repair of Fifteenth avenue and Kentucky street to the county line, in particular, in order that these thoroughfares may open up a convenient access between this South San Francisco district and all parts of our city.

The city will be chief beneficiary of the development of the Islais Creek and India Basin Harbor by public ownership, and the city therefore should cooperate with the State both in an attempt to acquire the lands necessary and the plans necessary for the development of the harbor. The city can best help the State in this matter by granting to the State without price the streets forming part of the tract of submerged land which the State is now endeavoring to acquire by condemnation suit. This land was originally acquired by the city without cost. The city has spent nothing to improve it and it is of no value to the city for streets. The so-called streets are covered with water and deep mud. Unless these submerged lands are acquired by the State, this extensive territory sought by the State by action of the people and now covered by water, will be used by private parties for harbor purposes in competition with the State.

I recommend that your Honorable Body instruct the City Attorney, by proper resolution, to consent to a judgment in the condemnation suit by which the State may acquire the streets and all other property of the city within the tract which is the subject of condemnation suit for a nominal consideration, in order that the State may proceed with harbor improvements for the betterment of our port.

Lincoln Park should be improved and completed by special annual appropriations.

Efforts should again be made to acquire the Sutro Heights properties.

The growth of the city requires further extension of our school system. No citizen should begrudge the expenditure of public funds for proper educational facilities. The only means for the construction of new schools in rapidly growing districts and modernizing of many obsolete school buildings will be by a bond issue, and I favor a bond issue for this purpose.

Former plans for providing for garbage disposal have proven unsatisfactory. Garbage disposal is a pressing question to which your Honorable Board should give immediate consideration, and some modern method should be devised for the solution of this problem.

The development of the Civic Center should be prosecuted without delay. Plans for the opening of streets extending into the Civic Center and into Market street, giving a better and more convenient access to our main thoroughfare. Plans in keeping with the dignity and beauty of our municipal buildings should be adopted. The streets, under the plan, to be extended are Fulton street, Hyde street and Leavenworth, all into Market street. Marshal Square should be widened in conformity with the plans of the architects.

The public buildings contemplated and under construction should be completed as soon as possible.

A complete municipal water supply is one of the city's pressing needs, and I strongly recommend the acquirement by the city at the earliest possible moment of such properties of the Spring Valley Water Company as are required by the city in conjunction with our Hetch Hetchy system.

The question of the purchase of these properties has been submitted to the people on several occasions, and while receiving a substantial majority in favor of the purchase, it has been defeated by the minority. Its purchase has been opposed by many splendid public spirited citizens whose only objection has been the question of price. Something must be done to solve this question, and to do so the people must be convinced that the price of purchase is right. I have suggested, on several occasions, that the whole matter of the valuation of the Spring Valley, for purposes of condemnation, be submitted to the State Railroad

Commission, a tribunal with authority and in whom the people have confidence. There should be no delay in these proceedings, and when the price has been determined, the question of purchase should again be submitted to the people and when ratified the city will be the possessor of a much needed public utility, and under careful municipal control and operation the system can be extended into districts now undeveloped for want of a proper water supply.

From the investigations of the city's advisory water committee I am convinced that the ownership of the properties of the Spring Valley Water Company is necessary for the city's growth and development and would make handsome financial returns to the city, beside supplying the city's needs for water in the outlying districts.

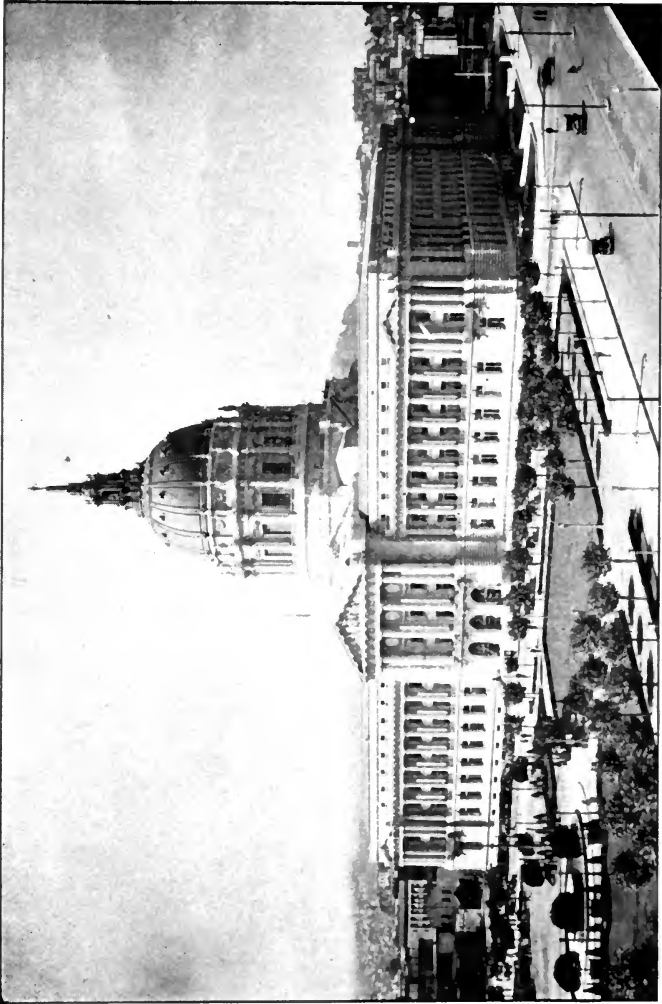
Our city's area is limited. Its growth must be down the Peninsula. Our neighbors in San Mateo county have at times expressed a desire to join with San Francisco in a Greater San Francisco. Legislation has been enacted upon the part of the State which would permit of such annexation of that county. I recommend that this question be given thoughtful attention and meetings of the officials of both counties be arranged in an effort to unitedly co-operate to this end.

Four years soon roll around. We step today upon the threshold of four years of public service. We are expected by our fellow citizens to show results. May we by united action and co-operative effort, show, at the close of our term of office, results that will redound to the glory of a still greater San Francisco, and may we, by our endeavors to that end, merit the confidence which our fellow citizens have placed in us at this time.

Very respectfully your,

JAMES ROLPR, JR.,

Mayor of the City and County of San Francisco.



City Hall



Interior City Hall





Exposition Auditorium



Public Library

# City Hall and Civic Center History

PROCEEDINGS OF THE BOARD OF SUPERVISORS IN THE ACQUISITION OF A CIVIC CENTER, THE BUILDING OF A CITY HALL AND OTHER PUBLIC BUILDINGS WITHIN THE CIVIC CENTER, IN THE CITY AND COUNTY OF SAN FRANCISCO.

## CITY HALL AND CIVIC CENTER.

The disaster of April 18, 1906, damaged the City Hall to an extent that unfitted its further use for public business.

After numerous investigations by the city officials, and a thorough examination of the building by the engineering department of the Board of Public Works, it was found to be impracticable to repair the building by reason of the danger of structural defects that might develop in the future; and also, the great expense of undertaking its rehabilitation.

The portions of the building remaining on the old site were razed and cleared away, excepting a portion which was temporarily retained and fitted up for the Treasurer, Auditor and the Registrar of Voters. The Hall of Records adjoining was repaired and retained in service. The urgent necessity for the construction of a City Hall as expeditiously as possible was apparent. It was deemed a wise policy by the city officials to provide that the building of a city hall should be accompanied by the acquisition of sufficient additional lands to create a Civic Center wherein other public buildings could be erected to serve official purposes and other requirements of the people in future years as well as at the present time. Working along these lines a number of prominent architects and engineers, namely, Messrs. John Galen Howard, W. B. Faville, Clarence R. Ward, H. D. Connick, Willis Polk and E. H. Bennett, were selected as an advisory committee to prepare and present to the Mayor and the Board of Supervisors plans and suggestions for the acquisition by the city of a Civic Center.

Mayor James Rolph, Jr., and the Board of Supervisors referred all matters pertinent to the project to the Public Buildings Committee of the Board of Supervisors. The committee comprised in membership Supervisors Paul Bancroft (chairman), Geo. E. Gallagher and Ralph McLeran (Geo. E. Gallagher resigned membership in the Board of Supervisors January, 1914, upon his appointment to the office of School Director, and Supervisor Henry Payot was selected to fill the vacancy on the committee).

On the evening of January 10, 1912, a joint meeting was held in the chambers of the Board of Supervisors by the Public Building Committee the Mayor and members of the Board of Supervisors for the purpose of receiving a report from the Advisory Committee. A lengthy discussion followed and the subject matter of selecting a site for the civic center was taken under advisement by the Public Building Committee of the Board of Supervisors. At the meeting of the Board of Supervisors held January 15, 1912, the following report of the Public Building Committee was presented by Supervisor Paul Bancroft Chairman, to-wit:

San Francisco, Calif, January 15, 1912.

Board of Supervisors, San Francisco.

Gentlemen:—The Public Building Committee of the Board of Supervisors, after having spent nearly two months in investigating the question of the location of the proposed new City Hall, begs to report as follows:

Your Committee has carefully investigated all of the drawings, plans, communications and suggestions submitted to his Honor the Mayor by more than fifty of the architects of San Francisco.

Your Committee has also held numerous conferences with its Advisory Committee, consisting of Messrs. John Galen Howard, W. B. Faville, Clarence R. Ward, H. D. H. Connick, Willis Polk and E. H. Bennett. On January 8, 1912, the majority of the Advisory Committee reported to your Public Buildings Committee as follows:

"San Francisco, January 8, 1912.

"To the Building Committee of the Board of Supervisors.

"Gentlemen:—The majority of the Advisory Committee appointed to consider the location of the Civic Center, recommends that the City Hall be built on the old site and that the other buildings of the Civic Center be grouped around it, in accordance with a scheme to be developed by the properly constituted authorities.

"This decision has been reached after the most searching and impartial analysis that the time has permitted of every idea which has been presented by architects or others. The recommendation is based on permanent consideration, first of the most practical convenience to the city; second, of the greatest aesthetic possibilities for the City Hall itself and for the monumental buildings to be grouped with it as the Civic Center, and third, of economy in achieving the best results both practical and aesthetic.

"Respectfully submitted,

"John Galen Howard, Chairman,

"Clarence R. Ward,

"Harris D. H. Connick,

"W. B. Faville."

On the same date Messrs Willis Polk and E. H. Bennett filed a minority report giving virtually the same reasons for the location of a Civic Center at Van Ness avenue and Market street.

On January 10, 1912, your Public Building Committee held a meeting to which his Honor the Mayor, all of the members of the Board of Supervisors, other public officials and the public in general were invited. This meeting was called for the purpose of hearing further reports from the members of the Advisory Committee.

On January 12, 1912, your Public Building Committee met and agreed to recommend to the Board of Supervisors that the new City Hall be erected on the "old site", in conjunction with a Civic Center; the lands for said Civic Center to be purchased within the district bounded by Van Ness avenue, Hayes street, Market street and Golden Gate avenue. The above mentioned district, within which your Committee recommends the location of the Civic Center, was the unanimous choice of Messrs. Howard, Ward, Faville and Connick of the Advisory Committee, and was generally favored by the architects present at the meeting of January 10, 1912.

Your Committee bases its recommendations,

1st. For the reasons stated in the majority report of January 8, 1912, of the Advisory Committee.

2nd. Your Committee considers that the old City Hall site is more convenient to the present center of the City's activity.

3rd. That it offers advantages over the Van Ness avenue site in point of spaciousness.

4th. It affords opportunities for approach without the necessity of widening existing streets or cutting new ones, and offers exceptional opportunities for vistas to the City Hall along such existing streets as Eighth and Fulton.

5th. That it lends itself to loftier and more impressive monumental elevations.

6th. That it does not extend to both sides of Market street, thereby threatening an interruption of traffic.

7th. That it offers a connection with the best topographical route for an extension of the Park panhandle to the Civic Center.

8th. That it is better because it is slightly removed from the main traffic center.

9th. That it would cost less than the Van Ness avenue site.

Although at the present time your Public Building Committee is not prepared to recommend the adoption in its entirety of any one particular plan of those submitted to the Mayor your Committee begs to report that the following architects have submitted plans which most nearly meet with the approval of your Committee, as to location and general arrangement: B. J. S. Cahill, C. A. Meusdorffer, E. A. Schumacher, L. P. Rixford, Glenn Allen, G. A. Applegarth, Nathaniel Blaisdell, Philipp Schwart, Oscar Haupt, E. G. Vogel, F. H. Meyer, David Salfeld, Wm. F. Smith.

Respectfully submitted,

PAUL BANCROFT,  
R. McLAREN,  
GEO. E. GALLAGHER.

The Committee's report and the following resolutions were adopted by the Board of Supervisors:

#### FAVORING CONSTRUCTION OF CITY HALL ON OLD SITE.

J. R. No. 6.

RESOLVED, That the Board of Supervisors hereby declare itself in favor of the construction of the new City Hall upon the so-called "old site"; and be it

Further Resolved, that said Board hereby declare itself in favor of submitting to the people a bond issue for the creation of a Civic Center; in conjunction with said new City Hall; the lands for said Civic Center to be purchased within the district bounded by Van Ness avenue, Hayes street, Market street and Golden Gate avenue.

[The provisions of the foregoing Resolution in so far as it affected the site for the City Hall, was repealed by Resolution No. 9526 (New Series).]

#### THANKING ADVISORY COMMITTEE FOR ITS ASSISTANCE IN SELECTING CITY HALL SITE.

J. R. No. 7.

WHEREAS, The following gentlemen, viz.: John Galen Howard, Willis Polk, W. B. Faville, E. H. Bennett, Clarence Ward and H. D. H. Connick, acting as members of an Advisory Committee to the Public Buildings Committee of the Board of Supervisors, have for several weeks past devoted themselves assiduously to the task of investigating the problem of the location of a new City Hall and Civic Center; and

WHEREAS, Said Gentlemen in undertaking this work, have without complaint labored day and night, Sundays and holidays, to the great sacrifice of their own personal affairs; and

WHEREAS, The work of said Advisory Committee has been of inestimable value to the Board of Supervisors in assisting them in arriving at their conclusions in regard to the location of a new City Hall and Civic Center; therefore be it

RESOLVED, That the Board of Supervisors hereby expresses its thanks to each and every member of said Advisory Committee for the great service they have rendered to San Francisco.

(Clerk instructed to send a copy to each person mentioned.)

Also,

J. R. No. 8.

WHEREAS, In response to an invitation from his Honor the Mayor, more than fifty architects of San Francisco have, without expectation of remuneration, submitted one hundred or more plans, designs and recommendations as to the location of a new City Hall and Civic Center; and

WHEREAS, The suggestions of these architects have been of great value to the Board of Supervisors in assisting said Board in determining its final recommendations; therefore be it

RESOLVED, That the Board of Supervisors hereby expresses its thanks to the following gentlemen for the great service they have rendered this City, to-wit:

Glenn Allen, E. P. Antonovich, G. A. Applegarth, Tagart Ashton, Nathaniel Blaisdell, Bakewell & Brown, J. Baur, E. H. Bennett, B. J. S. Cahill, Louis Cowles, H. G. Chivers, W. J. Cuthbertson, A. Cahen, Ernest Coxhead, J. F. Dunn, L. B. Dutton, E. Dasse, Oscar Haupt, Howard & White, Havens & Toepke, Arthur O. Johnson, Edward Kollofrath, L. A. Kelley & Co., D. D. Kearns, A. C. Locke, G. A. Lansburg, M. J. Lyon & Co., H. A. Milton, Mohr Bros., N. W. Mohr, W. Garden Mitchell, F. H. Meyer, Herbert B. Maggs, C. A. Meussdorffer, Chas. Paff & Co., L. P. Rixford, David Salfeld, Herbert A. Schmidt, Frank T. Shea, A. Sparco, A. G. Scholz, E. A. Schumacher, W. F. Smith, Philipp Schwertt, George Skaller, E. J. Vogel, J. W. Woollett, Charles P. Weeks.

The Board of Supervisors also at this meeting finally passed an ordinance numbered 1769 (new series) "Determining and declaring that the public interest requires the acquisition, construction, completion and equipment by the City and County of San Francisco, of a permanent building or buildings and improvements to be used by the City and County of San Francisco, as a City Hall, and the acquisition of the necessary lands therefor, and for grounds and lands adjacent thereto, for the purpose of erecting a Civic Center, that the cost thereof in addition to the other expenses of the said City and County would exceed the revenue and income provided for the City and County for any one year; and directed the Board of Public Works to procure through the City Engineer, and to place on file through the Board of Supervisor plans and estimates of the cost of original construction, completion and equipment of such permanent building or buildings and improvements.

The undertaking would therefore necessarily incur a bonded indebtedness. The ordinance was passed as the first of a series of ordinances to be adopted under and by virtue of the proposed bonded indebtedness to be incurred for the purpose herein above recited. At the meeting of the Board of Supervisors held January 29, 1912, the following resolutions were passed.

J. R. No. 39.

WHEREAS, It is the intention of the Board of Supervisors of the City and County of San Francisco to submit to the people of this City, a bond issue for the erection of a new City Hall and the construction of a Civic Center in connection therewith; and

WHEREAS, It is of the greatest importance that immediate information be furnished the Board of Supervisors as to the character, number and purposes of proposed buildings that are likely to be placed in the Civic Center group; therefore, be it

RESOLVED, That the Panama-Pacific International Exposition Company be and is hereby requested to furnish definite proposals and information to the Board of Supervisors as follows:

1. Whether the Panama-Pacific International Exposition Company will erect an Auditorium in the proposed Civic Center, provided the people of this city vote to acquire lands upon which said Auditorium may be erected; and provided the Board of Supervisors sets aside a sufficient area in the proposed Civic Center for a monumental Auditorium.

2. Whether the said Panama-Pacific International Exposition Company will convey to the City and County of San Francisco all right, title and interest in said proposed Auditorium to the City and County of San Francisco after the exposition of 1915 shall have closed.

3. The Board of Supervisors, for the purpose of fully informing the people in relation to the proposed City Hall and proposed Civic Center, requests the Panama-Pacific International Exposition Company to state how much money said Company will set aside and appropriate for the erection of such an Auditorium on land which is provided by the City, should the City so determine to provide the land.

Also,

J. R. No. 40.

RESOLVED, That the Mayor is hereby authorized and requested to appoint a committee of three architects, said committee to act in an advisory capacity to the Board of Supervisors.

The duties of said Advisory Committee shall be to consult with the Public Buildings Committee of the Board of Supervisors, and to advise with said Public Buildings Committee as to what lands shall be purchased for a Civic Center; how public buildings shall be arranged or grouped upon said Civic Center; and upon other matters appertaining to the construction of a City Hall and Civic Center.

Said Advisory Committee shall proceed upon the understanding that the Board of Supervisors stands committed to the erection of the New City Hall upon the so-called "Old Site", and that lands for a Civic Center shall be purchased within the district bounded by Van Ness avenue, Hayes street, Market street, and Golden Gate avenue.

[The provisions of this Resolution so far as it relates to the site for the City Hall was repealed by Resolution No. 9526 (New Series).]

Acting in accordance with the provisions of Journal Resolution No. 40, the Mayor appointed Messrs. Galen Howard, Fred H. Meyer and John Reed, Jr., a committee to serve in an advisory capacity to the Board of Public Works. (The committee constituted the Bureau of Architecture of the Board of Public Works.)

The following Resolution was also passed:

RESOLUTION NO. 10224. (New Series.)

WHEREAS, The position of Consulting Architect, either to this Board or to the Board of Public Works, in the matter of planning, designing, execution and completion of the Civic Center and the buildings to be erected therein, including the City Hall, requires expert and technical training and high technical skill;

NOW THEREFORE BE IT RESOLVED, That the position of Consulting Architect, either to this Board or to the Board of Public Works, be and hereby is exempted from the condition prescribed by the provisions of Section 2, Article 16, of the Charter, which require all persons appointed to office, positions or employment under the City and County to actually reside, during their respective terms of office or employment, in said City and County of San Francisco, and to have so resided for a period of one year next preceding their appointment; and

WHEREAS, John Galen Howard has had expert and technical training as an architect at the Massachusetts Institute of Technology and the Ecole des Beaux Arts of Paris, and is now and for more than ten years past has been Supervising Architect of the University of California, and is now the Director of the School of Architecture of said University, is a Fellow of the American Institute of Architects, has had twenty years' experience as a practicing architect including service as a member of the Board of Architects of the Pan-American Exposition at Buffalo, and as supervising architect of the Alaska-Yukon-Pacific Exposition at Seattle; and

WHEREAS, Said John Galen Howard does not reside in the City and County of San Francisco;

NOW, THEREFORE, BE IT FURTHER RESOLVED, That said John Galen Howard be and he is hereby exempted from the provisions of Section 2 of Article 16 of the Charter, which require all persons appointed to office, position or employment under the City and County to actually reside, during their respective terms of office, in the City and County, and to have so resided for a period of one year next preceding their appointment;

RESOLVED FURTHER, That in lieu of such residence there shall be and is hereby imposed a certification of the training and experience of said John Galen Howard as aforesaid;

RESOLVED FURTHER, That the affidavit and certificate of said John Galen Howard, this day filed with the Clerk of the Board, be and the same is hereby determined to be sufficient certification of his training and experience.

The sum of \$5,000 was set aside and authorized to be expended under the direction of the Public Buildings Committee of the Board of Supervisors to defray the cost of advising the Board of Public Works as to the procedure to be adopted to secure plans and specifications for the proposed City Hall and Civic Center and in all matters appertaining thereto. The sum of \$2,500 was also set aside and authorized to be expended by the Board of Public Works under the supervision of the Public Buildings Committee of the Board of Supervisors to defray the cost of examining the foundations of the old City Hall, and in ascertaining structural conditions preliminary to the rection of a new City Hall.

The Board of Supervisors at its meeting held February 13, 1912, passed an ordinance numbered 1797 (new series) calling for a special Bond election to be held on the 28th day of March 1912, for the purpose of submitting to the electors of the City and County of San Francisco, a proposition to incur a bonded indebtedness for the acquisition, construction and completion and equipment by the City and County of San Francisco, of a permanent building or buildings and improvements to be used by the said City and County as a City Hall, and the acquisition of the necessary lands therefor, and for grounds and lands adjacent thereto, for the purpose of creating a Civic Center.

In execution of the foregoing ordinance No. 1797 (new series) and in compliance with the laws of the State and the City Charter the Board of Supervisors on March 4, 1912, passed ordinance No. 1820 (new series) giving notice of a special bond election to be held on March 28, 1912, calling for a special election to incur a bond indebtedness in the sum of \$8,800,000, for the purpose of acquiring lands for a Civic Center and the erection of a City Hall.

On Thursday, March 28, 1912, the Bond election was held with the following results. For the proposition to incur the bonded debt 45,129, *Against* the proposition 4,035.

The vote polled showed that the question to incur a bond indebtedness was carried by the people by a large majority, over eleven to one, and warranted immediate and continuous action by the Board of Supervisors for the purchase of the necessary lands for a Civic Center, and the construction of a City Hall.



## PURCHASE OF LANDS.

On April 1st, 1912, the Board of Supervisors at its meeting by Resolution No. 9374 (New Series) directed the City Attorney to forthwith institute in the Superior Court of the State of California, condemnation proceedings in eminent domain against the owners of, and all persons having an interest in the certain specific lands described and set forth in the said resolution, constituting 172 suits to acquire approximately 108 pieces of property within the Civic Center, suits entitled City and County of San Francisco vs. Albert Abrahams et al. The lands to be acquired were situated within the following boundaries:

Commencing at the intersection of the Southerly line of McAllister street with the Easterly line of Van Ness avenue, thence Easterly along the Southerly line of McAllister street to the Westerly line of Larkin street; thence Southerly along the Westerly line of Larkin street, to the Northerly line of Hayes street; thence Westerly along the Northerly line of Hayes street to the Easterly line of Polk street; Thence Northerly along the Easterly line of Polk street to the Northerly line of Grove street; thence in a Westerly direction along the Northerly line of Grove street to the Easterly line of Van Ness avenue; thence Northerly along the Easterly line of Van Ness avenue to the Southerly line of McAllister street. Being all of Western Additions Blocks Nos. 2, 3, 4, 66 and 67; also,

Commencing at the intersection of the Northerly line of McAllister street with the Westerly line of Polk street, of dimensions 120 feet frontage on Polk street x 137 feet 6 inches in depth in Western Addition Block 65. Also; Commencing at the intersection of the Northerly line of McAllister street, with the Easterly line of Polk street; thence Northerly on Polk street to the Southerly line of Redwood street; thence Easterly along Redwood street to the Westerly line of Larkin street; thence Southerly along Larkin street to the Northerly line of McAllister street; thence Westerly along McAllister street to the Easterly line of Polk street. Being a portion of W. A. Block No. 5. Also; Commencing at the intersection of the Northerly line of McAllister street with the Easterly line of Larkin street of dimensions 87 feet 6 inches on McAllister street by 87 feet 6 inches on Larkin street. Being a part of Fifty Vara Block No. 316. Also; Commencing at the Southerly line of Grove street with the Westerly line of Polk street of dimensions 110 feet 9½ inches on Grove street by a uniform depth of 137 feet 6 inches on Polk street. Being a part of W. A. Block No. 68. Also;

City Hall Lots Nos. 20, 22, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64, 66, 68, 72, 74, 76, 84, 88, 90, 92, 96, and parts of City Hall Lots Nos. 16, 17, 18, 19, 21, 23, 39, 41, 43, 45, 47, 49, 69, 71, 73, 80, 82, 84 and 86.

Condemnation proceedings were also instituted for the acquisition of properties bounded by Golden Gate avenue, Redwood street, Larkin and Polk streets, and subsequently dismissed by Resolution No. 9409 (New Series) as follows:

## RESOLUTION NO. 9409. (New Series.)

WHEREAS, On the first day of April 1912, the Board of Supervisors of the City and County of San Francisco duly passed, and the Mayor of said City and County of San Francisco duly approved, Resolution No. 9374 (New Series), which said resolution designates the land necessary to be acquired for the purposes of a permanent building or building and improvements to be used by said City and County as a City Hall, and for grounds and lands adjacent thereto for a Civic Center, and which said resolution further empowered and required the City Attorney of said City and County to commence to prosecute an action for the condemnation of the land described in said resolution for said public use and purpose, and

WHEREAS, On the first day of April, 1912, in conformity with the provisions of said Resolution No. 9374 (New Series) the City Attorney of the City and County of San Francisco filed in the Superior Court of the State of California.

in and for the City and County of San Francisco, an action against the owners of the land described in said Resolution No. 9374 (New Series) to condemn the properties therein described, and

WHEREAS, The land described in Subdivision 5 of paragraph IX of said complaint is not immediately necessary or required for the immediate use of said Civic Center.

NOW, THEREFORE, Be It Resolved, That the City Attorney of the City and County of San Francisco be, and he is hereby directed and authorized to dismiss the action of condemnation hereinabove referred to as far as the same relates to the defendants Kate C. Marinovich, A. H. Oppenheimer, Ada Johnson, Emma Erzgraber, Minnie Matilda Erzgraber, Isabelle Gillett, The Estate of Katherine Erzgraber, Renee M. Brandenstein, Lester L. Roth, Albert Abrams, Annie E. White, Lotta P. Rossier, Joseph R. Davidson, Samuel J. Davidson, David Davidson, Katherine Farrell and Victor L. Podesta, and also as far as the same relates to the following described lot, piece or parcel of land, namely, that certain lot, piece, parcel or block of land bounded on the North by Golden Gate avenue, on the East by Larkin street, on the South by Redwood street and on the West by Polk street, the same being a portion of Western Addition Block No. 5.

Bonds were ordered sold and the purchase of the required lands was immediately proceeded with.

The Public Buildings Committee of the Board of Supervisors conferred with the owners of the respective properties within the boundary lines of the Civic Center as heretofore authorized and solicited offers for sale to the City. Appraisements of the value of said lands were obtained by the Committee.

Although condemnation proceedings were instituted for the acquisition of each parcel of land, only two suits were determined by the courts, satisfactory and equitable settlements with the various owners having been made by the Public Buildings Committee of the Board of Supervisors. The purchase of the lands and improvements aggregated the following expenditures:

Land purchased including tax settlements.....	\$4,685,575.40
Leasehold interests satisfied.....	80,632.14
Expenses appraising lands and improvements.....	18,480.18
Title Insurance Policies.....	14,453.95

These figures are complete to January 1st, 1918.....\$4,799,141.67

The lands purchased and included in the above expenditure comprise all of the properties under which condemnation proceedings were instituted, excepting the following parcels, to-wit:

City Hall Lots Nos. 25, 26, 27, 28, 29, 30, 31, 32, 50, 52, 54, 56, 58, 60, 62, 64, 66, 68, 88, 90, 92, and 96 in whole, and parts of City Hall Lots Nos. 16, 17, 18, 19, 21, 23, 84, and 86.

It is the disposition of the Board of Supervisors to conclude the purchase of these remaining parcels of land when additional funds become available for the purpose of carrying out the completion of the Civic Center as authorized and originally contemplated.

The acquisition of the major portion of these remaining pieces of property by the City will permit the direct extension of Hyde and Leavenworth streets through to Market street. It will be necessary also to construct a main esplanade from Market street into the Civic Center in accordance with the original plans.

#### SELECTION OF SITE.

Subsequent to the passage of Journal Resolution No. 6, "Declaring it to be the policy of the Board of Supervisors to locate the City Hall on the old site, reconsideration was had. The Supervising Architects prepared two separate

schemes known as A and B respectively. Both schemes were worked out on the assumption that the Civic Center was to be located on and immediately around the old site of the City Hall. On this basis two principle requirements were pertinent at the outset.

First.—The necessity of opening up adequate street circulation around and in part through the old site east of Larkin street, and

Second.—The need of an ample open space to the west of the old City Hall site, around which to group the various contemplated public buildings. The first requirement was met by the proposed extension of Hyde and Grove streets through to Marshall Square, and the extension of Leavenworth street through to Market street, and the opening of a new street as a monumental approach to the City Hall from Market street on the axis of Fulton street produced Easterly through the center of the block between the termination of Marshall Square and McAllister street.

The second requirement was the parking of the two blocks bounded by Larkin, Grove, Polk and McAllister streets.

The plan of the City Hall naturally resolved itself into a rectangular form on the axis of Fulton street with the corners cut off in such a way as to give an imposing appearance. It would further be necessary to extend one corner of the building some distance across City Hall avenue in order to secure simplicity and symmetry of form. The question arose as to whether the best solution had been found for the arrangement of the territory wholly covered within the Civic Center.

Studies were made and scheme "B" presented, which was similar to scheme "A" excepting that it provided for the placing of the City Hall to the West instead of to the East of the proposed opera house and main public library building, or in other words placing the City Hall on Van Ness avenue, and the proposed opera house and library building on the old site of the City Hall.

For the purpose of advice and determination, the Bureau of Architects forwarded the two propositions to various civic organizations of the city as well as to the Architectural Association, asking what scheme in their opinion and judgment would be the best, upon the following points to be considered:

1. Approach to the Civic Center.
2. Architectural effect.
3. Convenience of location.
4. Position of Square.
5. Prevailing direction of our westerly winds in connection with the plaza.
6. Street car system.

The response from the various organizations and architects unanimously favored the scheme of constructing the City Hall on Van Ness avenue, and the opera house and library building on the old City Hall site.

The Board of Supervisors in conformity with the report of the Advisory Architectural Board passed the following resolution:

#### RESOLUTION NO. 9526. (New Series.)

WHEREAS, The competition of architects for plans and designs for a building for the purpose of a city hall for the City and County of San Francisco, as announced by the Board of Public Works of the City and County of San Francisco on the 29th day of March, 1912, has terminated, under the terms of such announcement, and the judgment and award of the jury provided for in such announcement has been made, and

WHEREAS, The Board of Public Works of the City and County of San Francisco is now ready to proceed with the plans and arrangements for the creation of said City Hall building; and

WHEREAS, The Consulting Architects of the said Board of Public Works have urged and recommended the immediate selection of a site whereon to erect

the principal permanent building to be used by said City and County of San Francisco as a City Hall; and

WHEREAS, The said Consulting Architects have submitted to the said Board of Public Works and to the Board of Supervisors of said City and County of San Francisco two distinct plans or schemes for the location of, and as a site for said City Hall building; and have further recommended and urged the adoption of the plan or scheme designated by them as "Scheme B", which provides for the location and erection of the said City Hall Building on that certain parcel or tract of land bounded on the North by McAllister street, on the East by Polk street, on the South by Grove street and on the West by Van Ness avenue, on the grounds of economy, utility, convenience, expediency and improved architectural effect; and

WHEREAS, It appears that the parcel or tract of land recommended by said Consulting Architects is the best location for the erection of a City Hall building, and that said City Hall building can be constructed thereon at less expense and with greater expediency than on the old or former site of the City Hall and said location will afford greater convenience to the public and will present better architectural advantages than said old or former site of the City Hall; now, therefore

BE IT RESOLVED, That Journal Resolution No. 6, whereby the Board of Supervisors declared itself in favor of the construction of the new City Hall upon the so-called "old site" be and the same is hereby repealed in so far as the same makes a selection of a location or site whereon to erect the new City Hall building; and

BE IT FURTHER RESOLVED, That that certain parcel or tract of land lying within the City and County of San Francisco and bounded by McAllister street on the north, Polk street on the east, Grove street on the south and Van Ness avenue on the west, which said parcel or tract of land includes all of Western Addition Blocks Numbered 66 and 67, and those portions of Fulton street, Ash street and Birch street lying between Polk street and Van Ness avenue, be and the same are hereby declared necessary for the purposes of a location and site for a permanent public building to be used by the City and County of San Francisco as a City Hall and the same is hereby declared to be the place or site whereon said City Hall shall be located and erected.

All resolutions in conflict herewith are hereby rescinded.

Adopted—Board of Supervisors, San Francisco, July 1, 1912.

#### CLOSING OF CERTAIN STREETS.

Upon the dedication of the lands for a City Hall site, as recited in Resolution No. 9526 (New Series), the Board of Supervisors ordered the closing of Fulton street, and of Ash avenue from the Easterly line of Van Ness avenue to the Westerly line of Larkin street by Resolutions Nos. 9943, 9944, 10123 and 10124 (New Series), as follows:

#### RESOLUTION NO. 9943. (New Series.)

Resolution of Intention to close Ash street from Van Ness avenue to Polk street.

WHEREAS, A communication from the Consulting Architects of the Board of Public Works was filed January 14, 1913, requesting the closing of Ash street from the easterly line of Van Ness avenue to the westerly line of Polk street; and

WHEREAS, The City and County of San Francisco is the owner of the entire frontage upon Ash street from the easterly line of Van Ness avenue to the westerly line of Polk street; and

WHEREAS, Public interest and convenience would be conserved by such closing and abandonment; therefore be it

RESOLVED, That it is the intention of said Board of Supervisors to close and abandon said portion of Ash street from the easterly line of Van Ness avenue to the westerly line of Polk street and the Board of Public Works is hereby directed to give notice of said contemplated closing and abandonment of said portion of Ash street from the easterly line of Van Ness avenue to the westerly line of Polk street.

RESOLUTION NO. 9944. (New Series.)

Resolution of Intention to close Fulton street from Van Ness avenue to Polk street.

WHEREAS, A communication from the Consulting Architects of the Board of Public Works was filed January 14, 1913, requesting the closing of Fulton street from the easterly line of Van Ness avenue to the westerly line of Polk street; and

WHEREAS, The City and County of San Francisco is the owner of the entire frontage upon Fulton street from the easterly line of Van Ness avenue to the westerly line of Polk street; and

WHEREAS, Public interest and convenience would be conserved by such closing and abandonment; therefore be it

RESOLVED, That it is the intention of said Board of Supervisors to close and abandon said portion of Fulton street from the easterly line of Van Ness Avenue to the westerly line of Polk street; and the Board of Public Works is hereby directed to give notice of said contemplated closing and abandonment of said portion of Fulton street from the easterly line of Van Ness avenue to the westerly line of Polk street.

RESOLUTION NO. 10123. (New Series.)

Closing and abandoning a portion of Fulton street from Van Ness avenue to Polk street.

WHEREAS, This Board by Resolution No. 9944 (New Series), declared its intention to close and abandon a portion of Fulton street; and

WHEREAS, The notice of said Resolution and of said proposed closing and abandoning of said portion of Fulton street, was duly given by the Board of Public Works of this City and County by publication and posting in the manner provided by Section 3 of Chapter 3 of Article VI of the Charter of this City and County; and

WHEREAS, No protest has been filed against the closing and abandonment of said portion of Fulton street as provided for in the Charter; and

WHEREAS, In the opinion of this Board that the public interest and convenience require the closing and abandonment of said portion of Fulton street; now, therefore be it

RESOLVED, That the said closing and abandonment of said portion of Fulton street from Van Ness avenue to Polk street is hereby ordered, and the said portion of Fulton street is hereby closed and abandoned as a public street.

RESOLUTION NO. 10124. (New Series.)

Closing and abandoning a portion of Ash street from Van Ness avenue to Polk street.

WHEREAS, This Board by Resolution No. 9943 (New Series), declared its intention to close and abandon a portion of Ash street; and

WHEREAS, The notice of said Resolution and of said proposed closing and abandonment of said portion of Ash street, was duly given by the Board of Public Works of this City and County by publication and posting in the manner provided by Section 3 of Chapter 3 of Article VI of the Charter of this City and County; and

WHEREAS, No protest has been filed against the closing and abandonment of said portion of Ash street, as provided for in the Charter; and

WHEREAS, In the opinion of this Board that the public interest and convenience require the closing and abandonment of said portion of Ash street; now, therefore be it

RESOLVED, That the said closing and abandonment of said portion of Ash street between Van Ness Avenue and Polk street is hereby ordered, and the said portion of Ash street is hereby closed and abandoned as a public street.

#### ARCHITECTURAL COMPETITION.

The Board of Public Works voted to start competition for the purpose of obtaining the best plans possible for the City Hall.

On the 29th day of March 1912, the Board of Public Works made a public announcement and a formal call was issued to San Francisco architects to file their credentials on or before April 5th, 1912; and further announced that all architects entitled to compete would be given the full programme of the rules adopted to govern the contest to be held on April 8th, 1912, under the following requirements:

First.—The competition to be open to all architects who, on January 1st, 1912, were legally entitled to practice architecture by reason of being duly certificated in accordance with the laws of California, and who maintained an office for such practice in San Francisco on January 1st, 1912, and the competition to be restricted to such architects, and no firm or association of architects formed after January 1st, 1912, or for the special purpose of this competition would be allowed to compete, except with the express knowledge and approval of the consulting architects.

Second.—Architects meeting the conditions of the competition and desiring to compete were required to file a written application with the consulting architects of the Board of Public Works, together with their credentials not later than April 5, 1912.

Third.—The credentials of all applicants would be examined by the consulting Architects, and programmes of the competition would be delivered to all applicants entitled to competition on April 6th, 1912, and such applicants would thereupon be taken to be employed by the City and County of San Francisco for the purpose of the competition, said employment being subject to the terms of the programme.

Fourth.—Applications were to be addressed to the Consulting Architects Board of Public Works, David Hewes Building, San Francisco, California. A set of rules and requirements for the building were also compiled for compliance therewith.

Sections 56 and 64 of the programme appeared as follows:

From the designs which are in accord with this programme the jury will select the one which, in its opinion, is the best and designate it as the "FIRST PRIZE DESIGN." The consulting architects will then, in the presence of the jury, open the sealed envelopes belonging to this design and disclose the name of the author, whereupon the Board of Public Works will engage the author of the "FIRST PRIZE DESIGN" for full architectural services in accordance with the minimum schedule of the American Institute of Architecture hereto attached, with a first payment of \$25,000.00 payable within ninety days of the judgment, such engagement being subject however to the contract to be entered into between the Board of Public Works and the architect and to the following conditions,

namely: the Board reserves the right to terminate the employment of the architect at any time on the payment of the amount due under the aforesaid schedule of the American Institute of Architects, and if the Board terminates the employment of the architect before the authorization of working drawings by the Consulting Architects, such payment shall be \$21,975.00 in addition to the payment of the \$25,000.00 provided for above.

If there are twenty competitors other than the selected city hall architect each shall receive the sum of \$1,000.00. If there are less than twenty competitors the sum of \$20,000 will be divided equally among them. If there are more than twenty competitors the sum of \$1,000.00 will be paid to each of the twenty competitors whose designs are judged the best by the jury after the "FIRST PRIZE DESIGN" and the balance of the competitors shall receive no compensation. The above shall be compensation in full for all services and payable within ninety days after date of award, provided however, that if use is desired to be made of anything which is original as to the competition, contained in any other than the "FIRST PRIZE DESIGN" proper compensation will be made to its author. Should disagreement exist as to the amount of such compensation it shall be determined by a board of arbitration to be made up of one person named by the author of the design, one person named by the Consulting Architects and a third person named by the other two. All costs of the arbitration to be borne equally between the City and the claimant.

Copies of the rules were delivered to 110 architects.

Mr. Walter Cook of New York was selected to act as umpire of the competition.

The jury of award to pass upon and make a selection of the plans submitted, consisted of seven members, namely, the Mayor, one member of the Board of Public Works, one member of the Public Buildings Committee of the Board of Supervisors, the three consulting architects of the city and one other architect selected by the competitors.

The following architects submitted plans in competition:

Herbet A. Schmidt, George William Kelham, A. Lacy Warswick, Cunningham and Polito, Chas. Buckel, Havens and Toepke, Milton Lichtenstein, Edward Kollofrath, E. A. Newmarkel, W. Gardener Mitchell, Reid Bros., Coates and Traver, Henry A. Milton, Bank and Copeland, W. H. Crim, Jr., Wm. A. Newman, Chas. P. Weeks, Shea and Lofquist, Bugbee and Bugbee, Maybeck, Howard and White, J. Walter Dolliver, Edward G. Bolles, W. T. Cuthbertson, McDougall Bros., F. T. de Longchamps, Normand W. Mohr, Bliss and Faville, Chas. Paff, G. Albert Lansburg, Wm. Mooser, Wm. L. Oser, Houghton Sawyer, Bakewell and Brown, Phillip Schwerdt, Ward and Blohme, Glen Allen, Italo Zanolini, Sylvain Schnaittacher, O'Brien and Werner, Edward T. Foulkes, Chas. S. Kaiser, L. B. Dutton, Oscar Haupt, Loring P. Rixford, Wright, Rushford and Cahill, Walter E. Pinkham, Lewis Cowles, E. P. Antonovitch, Earl B. Scott, Chas. F. Whittlesey, Joseph T. Carter, Walter H. Parker, Ralph Warner Hart, Welsh and Carey, Albert Pissis, D. J. Patterson, E. J. Vogel, John Baur, Righetti and Headman, Edward G. Garden, Benj. Geer McDougall, W. L. Wollet, Miller and de Colmesnil, William C. Hayes, McDonald and Applegarth, J. Eug. Freeman, Edw. A. Schumacher, E. S. Lemme, Arthur G. Scholz, Lewis P. Hobart, A. H. Jacobs, J. F. Dunn, W. D. Shea.

On June 20th, 1912, the jury of award announced that the plans submitted by Messrs. Bakewell and Brown were selected.

On June 24th, 1912, the Board of Public Works appointed and authorized Bakewell and Brown to be the architects for the construction of the City Hall.

By Resolution No. 9722 (New Series), passed by the Board of Supervisors and approved by the Mayor October 8th, 1912, Bakewell and Brown were paid the sum of \$25,000.00 as first prize. The following architects received \$1,000 each as a prize for the next best plans submitted, in accordance with the following Resolution:

## RESOLUTION NO. 9623. (New Series.)

RESOLVED, That the sum of \$20,000 is hereby authorized and appropriated out of the City Hall Civic Center Building Fund of 1912, for the payment of \$1000 each to twenty architects who were awarded competitive prizes by the Jury of Award and by Resolution of the Board of Public Works.

Following are the architects certified to the Board of Supervisors by the Consulting Board of Architects and the Board of Public Works, each of whom is to receive \$1000:

George William Kelham, Milton Lichtenstein, Coates & Traver, Chas. Peter Weeks, Shea & Lofquist, Bliss & Faville, William Mooser, William L. Oser, Houghton Sawyer, Ward & Blohme, O'Brien & Werner, Edward T. Foulkes, L. B. Dutton, Ralph Warner Hart, John Baur, Righetti & Headman, W. L. Woollett, Miller and de Colmesnil, William C. Hayes, Lewis P. Hobart.

Finally passed—Board of Supervisors, San Francisco, August 26, 1912.

## CONSTRUCTION.

Upon the passage of various Ordinances from time to time by the Board of Supervisors authorizing the Board of Public Works to call for bids and enter into contracts for the construction of the City Hall, contracts were entered into, as follows, deductions and additions being subsequently made for changes and extras as provided for in specifications.

Test Holes—A Paulson, Oct. 9, 1912.....	\$ 1,614.45
Excavating and Grading—Contra Costa Construction Co., March 19, 1913, April 14, 1913.....	23,652.20
Crushing Stone—Williams and Finnegan, June 20, 1913, July 9, 1913.....	1,170.00
Foundations—Sound Construction Co., July 14, 1913, July 29, 1913.....	43,683.00
Furnishing Steel—U. S. Steel Products Co., June 18, 1913.....	361,190.43
Steel Erection—Blume Const. Co., August 26, 1913.....	88,448.20
Granite—McGilvray Stone Co., August 30, 1913, Sept. 24, 1913.....	991,313.00
Masonry—Brandon & Lawson, Sept. 22, 1913.....	120,300.00
Carving Stone Pedements, etc.—McGilvray Stone Co., Oct. 10, 1913, Oct. 16, 1913.....	45,931.00
Fireproofing—Clinton Fireproofing Co.—	
Proposition A, Nov. 7, 1913.....	156,128.00
Proposition B, Dec. 3, 1913.....	34,675.00
Plumbing—A. Coleman, Jan. 21, 1914.....	57,504.00
Crushed Brick—Emico Briggio, Dec. 10, 1913.....	18,755.48
Electrical—Newberry Bendheim Co., March 6, 1914.....	77,000.00
Heating and Ventilating—Robt. Dalziel, Jr., Feb. 20, 1914.....	56,496.00
Lathing and Furring—C. Collins, March 18, 1914.....	55,860.00
Plastering—C. Moorehouse, May 18, 1914.....	108,200.00
Water Supply—Scott Co., March 6, 1914.....	13,475.00
Marble—J. Musto Keenan Sons Co., May 6, 1914.....	234,860.00
Terra Cotta Facings—Brandon & Lawson, Dec. 24, 1913.....	33,450.00
Marble Bases, Stairs and Steps—Mission Marble Works, July 13, 1914.....	29,008.00
Interior Stone—McGilvray Stone Co.—	
Proposition A, July 31, 1914.....	14,000.00
Proposition B, July 31, 1914.....	138,000.00
Carpentering—Monson Bros.—	
Proposition A, Sept. 16, 1914.....	40,768.00
Proposition B, Sept. 16, 1914.....	156,818.00
Sheet Metal—	
Paraffine Paint Co., Proposition No. 1, Nov. 2, 1914.....	6,582.00
U. S. Metal Products Co., Proposition No. 2, Nov. 2, 1914.....	66,980.00
Composition Plaster—P. Deneville, Nov. 2, 1914.....	9,325.00



Dome Covering—Foderer Cornice Works, Dec. 23, 1914.....	36,687.00
Elevator—Otis Elevator Co., Feb. 26, 1915.....	34,075.00
Ornamental Iron—Rudgear Merle Co., March 31, 1913.....	98,850.00
Glazing—	
W. P. Fuller Co., Proposition No. 1, April 28, 1915.....	19,431.00
Cal. Plate Window Glass Co., Proposition No. 2, April 28, 1915..	2,000.00
Hardware—P. A. Smith Co., May 5, 1915.....	17,125.00
Painting—D. Zelinsky, June 14, 1915.....	26,000.00
Stationary Wood Furniture—	
R. Brandlein & Co.:	
Proposition No. 1, June 18, 1915.....	19,990.00
Proposition No. 2, June 18, 1915.....	21,200.00
L. & E. Emanuel, June 18, 1915.....	31,958.00
Stationary Metal Furniture—Capitol Sheet Metal Works, July 12, 1915	16,468.00
Vault Work—Herring, Hall, Marvin Co., June 18, 1915.....	22,593.00
Lighting Fixtures—Leo J. Meyberg Co., July 12, 1915.....	32,999.00
Grading Around Exterior—Sibley Grading Co., Sept. 13, 1915.....	1,932.00
Shades—W. & J. Sloane Nov. 3, 1915.....	1,145.00
Mail Chutes—American Mailing Device Co., Nov. 3, 1915.....	3,243.00
Clocks—Albert S. Samuels, Nov. 10, 1915.....	5,787.50
Linoleum—D. N. & E. Walters, \$1.32 per sq. yd., Aug. 31, 1915.....	
Carpet—D. N. & E. Walters, \$2.19½ per sq. yd. for approximately	
1,500 sq. yds., Dec. 14, 1915.....	
Carpet and Rugs—W. & J. Sloane, \$2.12½ per sq. yd. for approx-	
imately 2,000 sq. yds., Dec. 14, 1915.....	
Sidewalks Around City Hall—J. F. Dowling, March 3, 1916.....	7,558.50
Lettering Rooms, City Hall—J. Laib, March 10, 1916, approximately	700.00
Models—Bakewell & Brown.....	2,460.00
Inspection—Board of Public Works.....	12,000.00
Freight on Steel—	
Western Pacific Co.....	\$54,997.45
Southern Pacific Co.....	43,502.41
Santa Fe Ry. Co.....	54,707.16
	<hr/>
	153,207.02
Freight on Stone—	
Southern Pacific Co.....	\$47,095.22
Santa Fe Ry. Co.....	601.92
	<hr/>
	47,697.14

A state wide labor difficulty arose with the stone quarry workers which affected kindred stone crafts. A strike on the exterior stone work was declared on June 1, 1915, which delayed the progress of the outside stone finish of the City Hall, until November 19, 1915, at which time the stone cutters and setters resumed work.

#### GROUND BREAKING EXERCISES.

Ground Breaking Day for the commencement of work on the construction of the City Hall was held under a special programme on Saturday, April 5th, 1913, at 2 o'clock p. m.

The opening remarks were made by Supervisor J. Emmet Hayden. Addresses were made by Mayor James Rolph, Jr., former Mayor Edw. R. Taylor, Supervisor Ralph McLeran, John Bakewell, Jr., John Galen Howard and City Attorney Percy V. Long. The Municipal Band dispersed music and songs were rendered by school children under leadership of Miss Estelle Carpenter.

The following programme of instrumental numbers was arranged for the ground-breaking:

	"The Star Spangled Banner."	
March—"Gate City".....		<i>A. F. Weldon</i>
Grand Fantasy on "Northern and Southern Melodies".....		<i>Theo. Bendix</i>
Introducing the following airs: "Yankee Doodle," Keller's American Hymn, "Maryland, My Maryland," "Old Zip Coon," "Bonnie Eloise," "Reveille," "Tenting on the Old Camp Ground," "Dixie," "Carry Me Back to Old Virginia," "High Level Hornpipe," "Masa's in the Cold," "Cold Ground," "Old Dan Tucker," and "The Arkansas Traveler."		
Waltz—"Emperor".....		<i>Johann Strauss</i>
Scenes from "Faust".....		<i>Charles Gounod</i>
Students' drinking song; duet, Faust and Marguerite; Soldiers' chorus.		
Overture—"Dido".....		<i>Saverlo Mercadante</i>
Song without words—"Frühlingslied" ("Spring Song").....		<i>Felix Mendelssohn-Bartoldy</i>
Concert piece—"Golden Blonde".....		<i>R. Ellenberg</i>
	Clarinet solo by J. Kunzelman.	
Intermezzo—"In a Pagoda".....		<i>John W. Bratton</i>
Variations on "Dixie".....		<i>Hermann Bellstädt, Jr.</i>
March, on themes from "Rienzi," arranged by.....		<i>D. W. Reeves</i>
	"America."	

Supervisor Paul Bancroft, Chairman of the Committee on Public Buildings of the Board of Supervisors, presented Mayor Rolph with a silver shovel on behalf of the Board of Supervisors. The Supervisors together with former Mayor Taylor were provided with ordinary shovels and followed Mayor Rolph to remove the first load of earth from the City Hall site. Thereafter the work of excavating the site and the construction of the building continued under the contracts let, and on October 25th, 1913, the Corner Stone of the City Hall was laid, account of which appeared in the Municipal Record of October 30th, 1913, as follows:

#### LAYING THE CORNERSTONE.

The laying of the corner stone of the City Hall in the Civic Center area on Saturday last was attended with appropriate ceremony in the presence of a large throng of cheering and enthusiastic citizens. The exercises, which were held at the northeast corner of the building near Polk and McAllister streets, opened with several selections by the Municipal Band.

John Galen Howard, chairman of Advisory Board of Architects, was master of ceremonies, and first introduced Supervisor George E. Gallagher, who told in concise and graphic form the history of the city's achievements and progress since the dark days immediately following the disaster of 1906. He closed with a glowing tribute to the energy and patriotism of the people of San Francisco, who have made possible the erection of a \$3,500,000 home for their public officials.

Then came City Attorney Percy V. Long, who briefly told of the steps leading to the acquisition of the lands upon which the city will have a Civic Center.

Mayor Rolph was next introduced, and was received with an outburst of applause. He spoke as follows:

Mr. Chairman and My Fellow Citizens:

We are here to lay the cornerstone of the building which is to be the official home of the city of San Francisco. This is an event made possible by the liberality, optimism, pride and confidence of our citizens, in their own city. Many noble and beautiful buildings have been erected in San Francisco, but this particular one is the result of the expressed desire of our people, that San Francisco shall have a new home of its own.

This cornerstone, which was drawn through our streets to the acclaim of thousands in yesterday's magnificent pageant, is, today, placed as the chief stone of the building which is to be one of the great buildings of the

world; a building which will not only express the highest degree of architectural art and be as firm centuries hence as when first completed, but one, as well, perfectly fitted and equipped for the purpose for which it is designed.

Few of us realize the rapid progress that is being made in the building of this new edifice. Two years ago the present city administration was elected to office, pledged to carry out a certain constructive policy for the advancement of San Francisco. One of its pledges was to build a City Hall convenient for the conduct of public business and a structure of architectural beauty and dignity, expressive of the greatness and good taste of San Francisco, and to be the city's chief architectural adornment.

Within two months after assuming office a bond election was held, carried by practically a unanimous vote, authorizing the expenditure of \$8,800,000 for the acquirement of land and for the construction of a new City Hall.

The architects of San Francisco were invited to submit plans in a competition held under the supervision of the city's Architectural Commission, Messrs. John Galen Howard, Fred H. Meyer and John Reid, Jr. After three days of painstaking study, the jury selected the set of drawings submitted by Messrs. Bakewell & Brown of San Francisco.

The land for the Civic Center and the City Hall, surrounding the old City Hall site, has been acquired through the special efforts of the Public Buildings Committee of the Board of Supervisors, consisting of Messrs. Paul Bancroft, George E. Gallagher and Ralph McLeran. The City Attorney, Hon. Percy V. Long, and his able assistants have handled all legal questions in a most admirable manner and without tiresome litigation.

On April 5 of the present year we stood upon this spot and threw the first spadeful of earth, virtually commencing this structure, and we must realize the rapid progress that has been made. It augurs well that such has been the case, and now, in imagination, we see in inspiring admiration the beautiful dome soaring amidst the heavens and the whole an architectural triumph. Our city is the marvel of modern times, with a glorious past and a most promising and brilliant future.

On this occasion, well may we felicitate ourselves upon our achievements. A little more than seven years ago this city was in ashes—Now we have more than recovered ourselves. In place of the buildings destroyed, there have been erected buildings monumental in character and beautiful in design. After the fire, the city found itself destitute of schools, fire houses, police buildings, hospitals, and a City Hall complete in destruction.

These have all been restored except the City Hall, and now we are to have that Hall in perpetual magnificence and we are to have it, besides, as the most important figure of a Civic Center.

If this is not to challenge the admiration of the world, I know not what could do it, and for what San Francisco has done you have but to look around you.

May we, as a city, prove worthy of all these things; may we prove worthy, also, of the spirit of Balboa, Don Gaspar de Portola, and the early pioneers of San Francisco who have builded so well. They have left a splendid heritage in the character, pluck and energy of their descendants, and have set a pace for the ambition of generations to follow, in the up-building of a still greater San Francisco.

I am indeed proud to be the Mayor of this municipality, and to have the honor, this day, of laying the cornerstone of its new City Hall.

At the conclusion of his address Mayor Rolph was presented with a silver trowel by John D. McGilvray, who had the contract for the stone work for the City Hall, and with it spread the mortar on which the corner stone rests.

Following are the contents of the copper box, 12 inches high by 12 inches wide with 21 inches long, placed in the cornerstone:

A copy of the Municipal Reports for the fiscal year ending June 30, 1912.

A copy of the city directory of 1913.

A copy of the "Municipal Record" containing account of ceremonies attending breaking of ground for new City Hall on April 5, 1913.

A copy of a reprint of the first directory of San Francisco called "Kimball's San Francisco Directory, 1850, published by Charles Proctor Kimball, September 1, 1850, Journal of Commerce press, Montgomery street." This directory was presented by Miss R. M. Kimball, a daughter of the publisher, who lives at 2922½ Howard street, San Francisco.

Supplied by City Attorney Percy V. Long: A copy of summons and complaint in an action in eminent domain, brought by the City of San Francisco to acquire the land of the Civic Center.

Furnished by Treasurer John E. McDougald, the following coins, all minted in San Francisco: A \$20 gold piece of 1911, the latest mintage of this coin; a \$10 gold piece of 1913, a \$5 gold piece of 1913, \$1 silver, 1879, the last year in which silver dollars were minted at San Francisco; a 50-cent piece of 1913, a 25-cent piece of 1913, a 10-cent piece of 1913, a 5-cent piece of 1913, a 1-cent piece of 1913.

Furnished by the Bureau of Architecture: Leather-bound portfolio containing photograph of temporary City Hall at 1231 Market street and photographs of buildings upon the lands acquired for Civic Center and City Hall purposes and other documents.

Furnished by the Panama-Pacific International Exposition Company: Photographs of Charles C. Moore, president of the Panama-Pacific International Exposition Company, and R. S. Hale, commissioner extraordinary to Europe and vice-president of the Panama-Pacific International Exposition Company, and other photographs, pamphlets and documents.

Official souvenir program of the Portola Festival, San Francisco, October 22 to 25, 1913.

Volume in Spanish entitled "Relacion de Los Debates de la Convencion de California, Sobre la Formacion de la Constitucion de Estado, en Setiembre y Octubre de 1849. Por J. Ross Browne." This volume was published by S. W. Benedict, No. 16 Spruce street, New York, 1851, and was furnished by D. Q. Troy.

A list of books, "California and the Pacific," donated by A. S. MacDonald, Mills building, San Francisco.

Copies of the evening papers of San Francisco of October 24, 1913; copies of the Examiner and Chronicle of October 25, 1913, and a copy of the Daily Journal of Commerce of October 24, 1913.

Cards of many of the officials and spectators who were at the ceremony.

Silver match box, the property of the Count de Salazar, the personal representative of the King and Queen of Spain at the Portola Festival.

#### PERIOD OF CONSTRUCTION.

On April 28th, 1913, the following Resolution was passed by the Board of Supervisors continuing the employment of Bakewell and Brown architects on the City Hall.

#### RESOLUTION NO. 10136. (New Series.)

RESOLVED, That the Board of Public Works be requested to continue the employment of Bakewell and Brown on the City Hall, as specified under Clause C of the Contract entered into September 25, 1912, between the Board of Public Works and John Bakewell, Jr., and Arthur Brown, Jr., it being understood that said Bakewell and Brown agree to furnish as their portion of superintendence of construction and at their expense, at least one superintendent of construction,

one assistant superintendent of construction and one stenographer in the office of construction of said City Hall, for the term which will complete the construction of the building, but not to exceed three years from May 1st, 1913.

During the process of steel construction on the City Hall, Supervisor Chas. A. Nelson stated on open session of the Board of Supervisors, that he was informed that the steel work being erected in the building was not being done in accordance with the specifications.

Mayor Rolph immediately called for an investigation of the complaint, and the character of the work being performed. The following report of the findings by the Mayor was filed with the Board of Supervisors:

To the Public and the Honorable Board of Supervisors, San Francisco--

In the matter of the charges of Supervisor Charles A. Nelson, against the sufficiency and efficiency of the construction of the new City Hall, and asserting a disregard of specifications in the building.

These charges, presented by Supervisor Charles A. Nelson, were based on a statement furnished to him by one W. W. Breite, a civil engineer.

The testimony of this witness clearly established that his personal examination of the structural iron work of the City Hall had been so limited in time, considering the immensity of the building, that his knowledge must, necessarily, have been superficial.

This witness gave, as the foundation of his expert qualifications, a collegiate course in engineering at Columbia University, New York, but, on examination under oath, when confronted with a list of the graduates of that institution, admitted that he had not attended there in his own name, and refused, positively to tell the public under what name he did attend and graduate.

Notwithstanding the questionable circumstances under which the charges were presented, the importance of the question—the fact that these buildings must be not only the best possible but that the public must be thoroughly satisfied that they are the best possible—caused the Board, and me as Mayor, to ignore the origin of the charges, and to make a full and minute investigation.

At the hearing the best engineering and scientific testimony obtainable in this State was heard, after the witnesses had made a very careful examination of the buildings.

Among others hereafter named were:

Professor Derleth, of the University of California, employed by our State to instruct those who would graduate in engineering at this, our highest educational institution—a man who, throughout the United States, is second to none. And, not to encumber this report with details, the following men of high repute in engineering and construction:

H. J. Brunner, consulting structural engineer.

Willis Polk, architect.

Edward Noble, iron and steel manufacturer.

It was established by the testimony of these disinterested witnesses that the municipal buildings, now rising, are being erected on the most scientific principles of engineering and in accordance with the best rules of construction; that the material and workmanship are of the highest class; that the people are getting the best for their money; that the trifling alleged defects, selected for criticism by those instigating the charges, are not defects at all, but the ordinary matters, inseparable from any construction whatever—things that appear in all similar buildings, and are only imperfections to the extent that the science of structural engineering is itself imperfect; that they do not constitute weaknesses.

The result of this investigation is that, on the highest testimony obtainable, the people are assured that they are receiving the best work that can be done.

While the results of this investigation are highly satisfactory, it is deeply regrettable that any man, whether connected with the government, or otherwise, should in the hope of obtaining temporary political or other advantage, try to hinder the great and necessary improvement and development of the city that gives them a living, by slandering her efforts to advance.

Until San Francisco can develop a class of public service that will place patriotism above politics and selfishness, her welfare will never be safe and her greatness never be assured.

Respectfully,

JAMES ROLPH, JR.,

Mayor, City and County of San Francisco.

The steel work on the City Hall was completed January 21, 1914. Mayor Rolph ascended the dome and suspended the American flag from its apex, in compliment to the speed exhibited in construction, and for the success attained.

On Tuesday, December 28, 1915, the City Hall was dedicated by Mayor Rolph, Jr., attended by a throng of notables. Incidentally it was declared that the structure would be finally completed within the next forty days.

Supervisor Ralph McLeran was chairman of the day. On the platform with the Mayor were many members of his official family, Arthur Brown, Jr., of the firm of Bakewell and Brown, designers of the building; John Galen Howard, member of the advisory board of architects; Arthur Arlett, representing Governor Johnson; Superior Judge Thomas F. Graham; Count and Countess de Salazar, representing the king and queen of Spain, and many prominent citizens.

Mayor Rolph, in an eloquent speech, recounted the history of San Francisco's public buildings from the year 1869 when steps were taken toward the erection of the city's first City Hall. He declared he was proud to think of his part in the erection of the present structure and it was with a feeling of pride that he took up the duties in his new official residence.

Others who spoke were: Arthur Brown, Jr., John Galen Howard, Arthur Arlett (representing Governor Johnson) and Ralph McLeran.

A gold key was then presented to the Mayor by President Reardon of the Board of Public Works, and after unfurling the American flag over the entrance, the doors were thrown open to the public, and the Mayor was installed in his new office.

Mayor Rolph, with his wife and members of the city administration, spent the remainder of the afternoon in receiving citizens and guests in the sumptuous quarters.

In order that no delay would be occasioned when the City Hall was completed the Board of Supervisors set aside \$50,000 annually in the Budget for furnishing and equipping the building for occupancy.

March 1, 1916, was moving day for the City Officials. By March 10, all officers were installed, excepting the Auditor, Treasurer and Recorder, who were housed a few weeks later.

The type of architecture of the City Hall is a combination of classic or monumental and modern office building effect. Its ground area measures 285 feet by 408 feet, being four stories in height, excluding the ground floor. The dome measures 88 feet square at the roof-line, and is 307 feet 6 inches in height from foundation. The chambers of the Board of Supervisors has been made a special feature in architecture, being furnished in Siberian oak, artistically carved. The Mayor's office is also furnished in selected dark oak panelling, creating a beautiful effect. On the main pediment in the rotunda is inscribed the significant words "San Francisco, O glorious city of our hearts, that has been tried and not found wanting, go thou with like spirit, to make the future thine." The building contains 371,317 square feet of working space.

Total cost of construction \$3,449,262.84. Cost of Land upon which the building is erected, \$1,412,263.36, comprising W. A. Blocks Nos. 66 and 67.

On Thursday, October 5, 1915, all offices and departments in the City Hall were opened for public inspection.

Profuse floral decoration and music predominated throughout the building. All city officials acted as hosts, and spared no efforts in acquainting the public with its modern facilities.

The initial meeting of the Board of Supervisors in its new chambers in the City Hall was held Monday, October 9, 1916.

#### CIVIC AUDITORIUM.

Complying with the provisions of Journal Resolution No. 39 of the Board of Supervisors reciting "That it is of the greatest importance that immediate information be furnished the Board of Supervisors, as to the number, character, and purposes of proposed buildings that are likely to be placed in the Civic Center group; the Panama-Pacific International Exposition Company was requested to furnish definite proposals and information as follows:

First.—Whether the Pacific International Exposition Company would erect an Auditorium in the Civic Center, provided the people of the city vote to acquire lands upon which an auditorium may be erected, and, provided a sufficient area in the proposed Civic Center be set aside.

Second.—Whether the said Exposition Company would convey to the City and County of San Francisco all right, title and interest in said proposed auditorium after the close of the exposition of 1915.

Third.—Requesting the said Exposition Company to state how much money it would set aside and appropriate for the erection of an auditorium on land to be provided by the city, should the city so determine to set aside such land.

In response the Panama-Pacific International Exposition Company filed a communication with the Board of Supervisors giving notice that it had set aside \$1,000,000.00 for the construction of an auditorium in the Civic Center on lands to be provided by the city.

Mayor Rolph called upon the Exposition directors and served formal notice that the city was prepared to open negotiations in regard to the construction of the auditorium.

On August 19, 1912, the following resolution was passed by the Board of Supervisors:

#### RESOLUTION NO. 9611. (New Series.)

WHEREAS, The Board of Directors of the Panama-Pacific International Exposition Company on June 26th, 1912, adopted the following:

WHEREAS, The Panama-Pacific International Exposition Company has set aside \$1,000,000 for the erection of a monumental auditorium in the Civic Center on land to be supplied by the City and County of San Francisco.

WHEREAS, It is desirable that plans for this auditorium shall be prepared immediately so that the building may be completed at the earliest possible date.

WHEREAS, A harmonious program and plan of action has been agreed upon by the Buildings and Grounds Committee of the Panama-Pacific International Exposition Company, and the Building and Exposition Committees of the Board of Supervisors.

BE IT RESOLVED, That the Panama-Pacific International Exposition Company hereby requests the City of San Francisco to designate its Advisory Board of Architects as the architects to prepare plans for said auditorium, which plans shall be for a building that will harmonize with all other Civic Center buildings

and in the preparation of these plans the Advisory Board of Architects or architect in charge shall be advised and instructed by the Panama-Pacific International Exposition Company as to the interior arrangement and space allotments in the said auditorium. The draughting expense of said Board of Architects in the preparation of said plans and specifications to be borne by the Panama-Pacific International Exposition Company out of the \$1,000,000 set aside by the Exposition Company for the purpose of erecting the auditorium, it being understood that the expense of such architects shall not exceed \$40,000.00.

BE IT FURTHER RESOLVED, That when the plans for the auditorium shall have been approved by the Board of Supervisors of the City and County of San Francisco and the Panama-Pacific International Exposition Company, contracts for the construction of said auditorium shall be let by the Exposition Company and the work of construction conducted by the Panama-Pacific International Exposition Company.

Respectfully,

R. J. TAUSSIG, Secretary,  
By JOS. M. CUMMING, Assistant Secretary.

NOW THEREFORE BE IT RESOLVED by the Board of Supervisors of the City and County of San Francisco, that the Board of Public Works be directed to cause to be prepared plans, detail drawings and specifications for said auditorium building, in accordance with the resolution adopted by the Panama-Pacific International Exposition Company.

BE IT FURTHER RESOLVED, That it is the intention of the Board of Supervisors to set aside and designate as the site for said auditorium the block of land situate between Hayes, Grove, Larkin and Polk streets, and known as the "Mechanics Library Lot," when the same shall have been purchased and made available for said purpose.

The Block of land bounded by Hayes, Grove, Larkin and Polk streets, and known as the "Mechanic's Institute Library" site was purchased by the city and the total of the City's subscription to the auditorium was as follows:

For Land .....	\$ 700,000.00
For Rebate Taxes .....	1,437.08
For Titles .....	2,137.00
For Appraisements .....	75.00
For Granite Facings .....	210,024.00
	<hr/>
	\$ 913,671.08
Exposition Company Building and Furnishings.....	1,116,873.61
	<hr/>
Total Cost .....	\$2,030,544.69

In accordance with the provisions of Resolution No. 9611 (New Series) of the Board of Supervisors, the Advisory Board of Architects of the City and County proceeded with the preparation of plans for the Auditorium, on lines to harmonize with all other Civic Center buildings, being advised by the Exposition Company as to the arrangements and space allotments in the building.

The expense of the Advisory Board of Architects in the preparation of these plans and specifications was borne by the Exposition Company out of the million dollars set aside by it, in a sum not to exceed forty thousand dollars.

After the plans and specifications were approved by the Panama-Pacific Exposition Company and the Board of Supervisors, contracts were let for the construction of the building as follows:



Grading and Concrete—To Lindgren Co., July 1st, 1913, for.....	\$ 70,000.00
Furnishing Steel—U. S. Steel Products Co., July 1st, 1913, for.....	164,835.00
Steel Erection—Blum Contracting Co., July 25, 1913.....	40,240.00
Plumbing—Fred Snook and Son, Nov. 8, 1913.....	20,277.00
Heating and Ventilating—Atlas Heating and Vent. Co., Nov. 17, 1913	54,977.00
General Construction—Lindgren Co., Dec. 5, 1913.....	711,714.00
Electric Wiring—Newberry-Bendheim Co., Dec. 5, 1913.....	16,555.00
Chairs—Haywood Bros. & Wakefield, August 18, 1914.....	18,500.61
Lighting Fixtures—Roberts Manufacturing Co., Oct. 21, 1914.....	14,275.00
	<hr/>
	\$1,116,873.61

These amounts were the estimates made at the time of awarding of the contracts. Deductions and additions for extras were subsequently made. Other smaller contracts were subsequently let.

The original plans and specifications prepared for the auditorium did not provide for granite stone in its construction in order to keep within the million dollars appropriated and allowed by the Exposition Company.

It became obvious that the building should be finished with granite to harmonize with other public buildings proposed to be erected within the Civic Center. To procure this harmony at least in the front facade of the building facing the Civic Center plaza, the Board of Supervisors appropriated the sum of \$210,024 to finish the front facade in California granite as provided by Ordinance No. 2928 (New Series).

The corner stone of the auditorium was laid April 23, 1914, with appropriate ceremony. Mayor James Rolph, Jr., and Chas. C. Moore, President of the Panama-Pacific Exposition Co. officiated.

#### AUDITORIUM COMPLETED.

On Saturday evening, January 9th, 1915, a magnificent masque ball was held in the Auditorium under the management of the Exposition Company announcing the official opening and dedication of the building.

The building covers a ground area of 99,849 square feet, and is four stories in height, with its main facade on Grove street, facing the Civic Center plaza. The large hall, or auditorium proper, with its gallery forms a maltese cross. The east, north and west arms occupy the gallery which extends thirty-two feet over the main floor, and has a maximum width of 254 feet; whilst the south arm contains the organ loft provided to hold the world's greatest organ. The main hall contains a level floor area of 38,880 square feet, with a seating capacity of 5,000 people, while the gallery can accommodate 5,000 people additional. The dome measures 190 feet in diameter. The void in the main hall raises 120 feet above the level of the floor to the apex of the dome, its greatest width from east to west being 254 feet. The roof is supported by eight columns and allows a clear span of 190 feet. Daylight is admitted through a central octagonal lantern measuring 40 feet in diameter, which also contains three auxiliary ceiling lights, one above each gallery recess. On the east and west sides of the main hall on the first floor there is a minor hall, each of equal dimensions measuring 53 by 136 feet. These halls connect with the main hall, have exits on Larkin and Polk streets and each can comfortably accommodate 500 people at banquet tables, or 1,200 persons seated as an audience. The floors of these halls, like the main floor, are of maple. The third and fourth floors of the east and west wings contain secondary halls of large proportions, and are reached by broad and commodious stairways in addition to four passenger elevators placed in the front of Grove street entrances, and two freight elevators at the rear or Hayes street side of the building. The basement containing a large kitchen as well as storage and engine room

facilities, is reached by two inclines arranged for the entrance of vehicles at Larkin street and at Polk street, on the Hayes street side of the building. There is also an interior entrance to the basement from the main floor by incline under organ loft, as well as by two stairways. The building is well provided with toilet facilities, hat and cloak rooms, telephone, telegraph and emergency hospital service. The entire lighting has been made a special feature. The building has been erected with every precaution taken for the safety and comfort of large gatherings of people, and by means of broad and extensive corridors, stairways and many exits, congestion and the possibility of panic is avoided. In the construction of the building provision has been made for future substitution of granite stone for brick, on the east, west and south elevations when the funds for such purpose will permit. It is generally conceded that the auditorium ranks as one of the finest buildings of its character in America, and possibly unsurpassed by any other auditorium in the world.

The management of the Auditorium under an agreement was vested in the Panama-Pacific Exposition Company until the close of the Exposition on or about December 4, 1915, when its supervision was vested in the city, and the Board of Supervisors passed the following resolution presented by Supervisor Bancroft:

J. R. No. 2009.

WHEREAS, It has been decided by his Honor the Mayor to dedicate the Exposition Auditorium on behalf of the City and County of San Francisco on Thursday evening, December 30, 1915, therefore be it

RESOLVED, That the Exposition Auditorium be reserved for the above date under a free rental for the City and County for the purposes of holding the proposed dedicating ceremonies.

On Thursday evening, December 30, 1915, dedication ceremonies were held under the following programme:

March—"National Salute".....*Floyd P. St. Clair*  
Overture—"The Hermit's Bell".....*A. Maillart*

Municipal Band—Direction of John A. Keogh.

8:30 P. M.

"The Heavens Are Telling".....*Handel*

Municipal Chorus—Wallace A. Sabin, Conductor; Benjamin Moore, Piano.

Address—Hon J. Emmet Hayden, Chairman.

Address—Member of the State Exposition Commission.

Solo—Aria from "Hamlet".....*Thomas*

Mme. Bernice de Pasquale.

Achille Artigues, Accompanist.

Address—John Galen Howard, Member of Board of Consulting Architects.

Address and Formal Presentation of the Exposition Auditorium to the City and County of San Francisco—Mr. Charles C. Moore, President of the Panama-Pacific International Exposition.

Address and Acceptance of Same—Hon James Rolph, Jr., Mayor of the City and County of San Francisco.

(a) "Hallelujah Chorus" from "The Messiah".....

(b) "Gloria," Mozart's Twelfth Mass.....

(c) "Star Spangled Banner".....

The Municipal Chorus and The Municipal Band

The building houses the third largest pipe organ in the world, and was presented by the P. P. I. Exposition Co. to the city. The largest pipe of the organ is the double open diapason and weighs 1,300 pounds and is thirty-two feet in length. The organ weighs approximately forty tons. There are about 100 miles

of wire used in electric circuits. Over ten tons of metal is used in its construction, consisting of platinum, silver, brass, copper, lead, steel, bronze and aluminum. Upward of 30,000 feet of lumber was used, consisting of ebony, walnut, oak, birch, maple, whitewood, pine and cherry. Solid ivory is used for the draw stop heads and keys. The organ was built by the Austin Organ Company, and cost \$80,000. It required twenty-five truck-loads to transport it to the Auditorium, and now rests on a specially constructed platform. The present value of the organ and its installation is approximately \$105,000.

#### MUNICIPAL OPERA HOUSE.

In acquiring a Civic Center for the purpose of grouping the Public Buildings of San Francisco, it was early conceived in the minds of the City Officials that the erection of a Municipal Opera House would be a valuable acquisition for the education and musical edification of the public.

It was the disposition and intent of the Board of Supervisors to set aside and dedicate a portion of the old City Hall site for opera house purposes, provided, public subscriptions would erect the building, and accordingly passed the following ordinance:

**BILL NO. 2728. ORDINANCE NO. 2480. (New Series.)** Setting aside a block of land in the Civic Center for an Opera House.

Be it ordained by the People of the City and County of San Francisco as follows:

Section 1. WHEREAS, The City and County of San Francisco is now establishing a Civic Center in the district bounded by Market street, Golden Gate avenue and Franklin street, and has acquired land in the said district for the purpose of said Civic Center and is now constructing within said Civic Center a City Hall; and

WHEREAS, The Panama-Pacific International Exposition is erecting an auditorium within said district upon lands belonging to the City and County of San Francisco, which auditorium will, at the expiration of the Panama-Pacific International Exposition, be turned over to the City and County of San Francisco; and

WHEREAS, It is further proposed that the State of California erect a State building within said district, and provision has been made by the Legislature of the State of California for the holding of an election for the purpose of voting bonds for the erection of such State building; and

WHEREAS, The Library Trustees of the City and County of San Francisco are about to commence the construction of a public library within said district; and

WHEREAS, All of the aforesaid buildings will be monumental in structure; and

WHEREAS, It is one of the duties of a municipality to provide for the education of its inhabitants and to furnish its inhabitants with the means whereby such education can be had; and

WHEREAS, The welfare and education of the citizens of the City and County of San Francisco can be promoted by providing an opera house wherein musical and dramatic compositions, operas and symphonies can be given, and a school and conservatory for the education of the inhabitants of the City and County of San Francisco in music can be established, and the creation and production of operas, musical dramas and compositions encouraged; and

WHEREAS, A suitable and convenient location for an opera house is in the Civic Center; and

WHEREAS, An opera house in the Civic Center, in conjunction with the other buildings which it is proposed to erect therein, is an appropriate building for said Civic Center; and

WHEREAS, It is necessary, in order to carry out the plans prepared by the Consulting Architects of the City and County of San Francisco, for the establishment and creation of a Civic Center, that a building monumental in character be constructed on the lot of land, hereinafter described, within the boundaries of the Civic Center;

NOW, THEREFORE, The hereinafter described property, situate within the Civic Center, is hereby set aside as the site for an opera house;

All that certain lot, piece or parcel of land situate, lying and being within the City and County of San Francisco, particularly described as follows, to-wit:

Commencing at a point formed by the intersection of the easterly line of Larkin street and the northerly line of Grove street extended easterly), and running thence northerly along the easterly line of Larkin street two hundred and seventy-five (275) feet; thence at a right angle easterly four hundred and twelve (412) feet six (6) inches to the westerly line of Hyde street (extended southerly); thence at a right angle southerly along said line of Hyde street (so extended) two hundred and seventy-five (275) feet to the northerly line of Grove street (so extended); and thence at a right angle westerly along said line of Grove street (so extended) four hundred and twelve (412) feet six (6) inches to the said easterly line of Larkin street and the point of commencement.

Section 2. WHEREAS, There are at present no funds of the City and County of San Francisco available for the construction of a suitable opera house on said site; and

WHEREAS, Section 1 of Article 1 of the Charter provides that the City and County of San Francisco may receive bequests, gifts and donations of all kinds of property in fee simple or in trust and do all acts necessary to carry out the purposes of such gifts, bequests and donations, with power to manage, sell, lease or otherwise dispose of the same in accordance with the terms of the gift, bequest or trust; and it is further provided in Subdivision 30 of Section 1 of Chapter 11 of Article II of the Charter that the Board of Supervisors shall have power to provide for the execution of all trusts confided to the City and County; and

WHEREAS, There are public spirited citizens of the City and County of San Francisco desirous and willing to donate to the City and County of San Francisco funds in trust for the construction of an opera house, and upon conditions which will fully secure the construction and maintenance on said lot of land an opera house and musical advantages and education to the inhabitants of the City and County of San Francisco;

NOW, THEREFORE, The Public Welfare Committee of the Board of Supervisors is hereby authorized to obtain from such public spirited citizens offers of donations of funds and architectural plans for the construction of an opera house on said lot of land upon terms and conditions acceptable to the Board of Supervisors of the City and County of San Francisco.

Section 3. This Ordinance shall take effect and be in force immediately.

Finally Passed—Board of Supervisors, San Francisco, October 14, 1913.

The San Francisco Musical Association became interested in the achievement, and after advising the Board of Supervisors of its action the following Resolution was passed:

J. R. No. 532.

WHEREAS, The chairman of the Public Welfare Committee has been advised by the officers of the San Francisco Musical Association that the full sum of seven hundred and fifty thousand dollars (\$750,000.00) has been subscribed for the purpose of the erection of a municipal opera house upon a portion of the proposed Civic Center to be devoted to that purpose; and

WHEREAS, An agreement has been prepared between the said San Francisco Musical Association and the City and County of San Francisco, providing for the erection of the said municipal opera house; it is therefore

RESOLVED, That the City Attorney be, and he is hereby requested to prepare and to submit to the Board of Supervisors such ordinances or resolutions as may be necessary to authorize the proper execution and delivery of the aforesaid agreement by the City and County of San Francisco.

Adopted December 10, 1912.

In order to test the validity of the proposed undertaking a friendly suit was instigated in the courts, and upon the ruling of the Supreme Court that the agreement entered into between the City and County and the Musical Association of San Francisco was in confiction with our City Charter and the General Laws of the State of California, and consequently could not be upheld. The Board of Supervisors thereupon passed the following Resolution:

RESOLUTION NO. 10235. (New Series.)

WHEREAS, The Supreme Court of the State of California has decided that the agreement entered into on February 3, 1913, between the "Musical Association of San Francisco" and the City and County of San Francisco, providing for the erection of an Opera House in the Civic Center, is in contradiction of our Charter and the general laws of the State of California, and for that reason cannot be upheld; and

WHEREAS, The Board of Supervisors has purchased sufficient property in the Civic Center to provide an entire block of land as a site for the proposed Opera House; and

WHEREAS, Said Board of Supervisors is of the opinion that San Francisco's Civic Center will not be complete without the Opera House—a proposed million dollar building offered as a gift to the City by generous citizens of San Francisco; therefore be it

RESOLVED, That the Board of Supervisors requests the City Attorney to confer with the attorneys of the "Musical Association of San Francisco," in order that an agreement may be drawn up that will meet with the approval of the directors, members and subscribers of the Musical Association of San Francisco; and also an agreement that, in the opinion of said attorneys, can be sustained by the Courts of this State.

Adopted—Board of Supervisors, San Francisco, June 16, 1913.

**ORDINANCE NO. 2503. (New Series.)** Accepting the offer of the Musical Association of San Francisco of a gift or donation for the building and equiping of a Municipal Opera House, was vetoed by the Mayor.

COMMITTEE ON COMPLETION OF CIVIC CENTER.

Supervisor Power presented:

Resolution No. 13476 (New Series), as follows:

WHEREAS, The people of San Francisco have generally voiced their appreciation and approval of the construction and completion of the City Hall; and

WHEREAS, Another and suitable building is urgent and necessary to complete and round out the Civic Center; and

WHEREAS, A County Building, wherein may be displayed the products and industries of the several counties of the State, or an Opera House, would be a much desired and notable acquisition to our Civic Center; therefore be it

RESOLVED, That the Mayor be and he is hereby requested to appoint a committee of five whose duty it shall be to investigate and report to this Board a plan

whereby the construction of the last necessary building to complete the Civic Center may be financed.

#### PUBLIC LIBRARY AND READING ROOM.

On December 10, 1913, a Charter election was held and an amendment known as Charter Amendment No. 1, was passed by the people.

The Charter Amendment added a new section to the Charter known as Section 10, Chapter 2, Article 2, authorizing the Board of Supervisors to acquire and dispose of lands for Civic Center purposes, and exchange parcels of land with the Board of Trustees of the Public Library and Reading Rooms.

In accordance with the authority vested, the Board of Supervisors passed the following Ordinance:

**BILL NO. 2388. ORDINANCE NO. 2155. (New Series.)** Providing for the exchange, with the Board of Trustees of the Public Library and Reading Rooms, of lands for library and reading room purposes and transferring the use and control of a portion of the lands of the Civic Center to said Board of Trustees in exchange for the former library site in Western Addition Block No. 73, and authorizing the Board of Trustees of the Public Library and Reading Rooms to undertake and proceed with the erection, construction and equipment of a library building on said lands of the Civic Center.

WHEREAS, The Board of Trustees of the Public Library and Reading Rooms of San Francisco did, by a Resolution duly and regularly adopted on the 25th day of January, 1913, request the Board of Supervisors to transfer to them the use and control of certain lands lying within the Civic Center in exchange for Western Addition Block No. 73, which said Resolution was as follows, viz.:

#### RESOLUTION NO. ———.

WHEREAS, The City and County of San Francisco has established a Civic Center wherein to place and group the public buildings of said City and County; and

WHEREAS, The block of land bounded by Hayes street, Franklin street, Fell street and Van Ness avenue, known as Western Addition Block No. 73, was acquired by said City and County for the use of the Board of Trustees of the Public Library and Reading Rooms of San Francisco and was by said City and County placed under the control of said Board of Trustees; and

WHEREAS, The Board of Trustees of the Public Library and Reading Rooms of San Francisco are desirous of erecting a building for a public library and reading room on a portion of the lands within the boundaries of the Civic Center rather than on the lands of said Western Addition Block No. 73;

NOW, THEREFORE, Be it Resolved, that the Board of Trustees of the Public Library and Reading Rooms of San Francisco do hereby request the Board of Supervisors of the City and County of San Francisco to transfer and set aside to the said Board of Trustees the use and control of the following described block or lot of land for library and reading room purposes, viz.:

That certain block, piece or parcel of land commencing at a point formed by the intersection of the easterly line of Larkin street with the southerly line of McAllister street and running thence easterly along said southerly line of McAllister street, 412 feet 6 inches to the westerly line of Hyde street extended; thence at a right angle southerly along said westerly line of Hyde street extended 275 feet; thence at a right angle westerly 412 feet 6 inches to the said easterly line of Larkin street, and running thence northerly and along said easterly line of Larkin street 275 feet to the said southerly line of McAllister street and the point of commencement; being a portion of City Hall Reservation;

AND BE IT FURTHER RESOLVED, That the Board of Trustees of the Public Library and Reading Rooms of San Francisco hereby agree and consent to relinquish the use and control of said above described Western Addition Block No. 73, heretofore set apart for its use, in event said Board of Supervisors exchange said block of land in the City Hall Reservation, herein above described, for said Western Addition Block No. 73, provided that, the temporary library building and its appurtenances now standing on said Western Addition Block No. 73 be permitted to remain, on the land now occupied by the same, under the control of said Board of Trustees until such time as a building may be erected and completed for library and reading room purposes on the block of land in the City Hall Reservation heretofore requested to be transferred to said Board of Trustees.

BE IT ORDAINED BY THE PEOPLE OF THE CITY AND COUNTY OF SAN FRANCISCO AS FOLLOWS:

Section 1. That the use and control of following described block or parcel of land, namely; that certain block, piece or parcel of land commencing at a point formed by the intersection of the easterly line of Larkin street with the southerly line of McAllister street and running thence easterly along said southerly line of McAllister street 412 feet 6 inches to the westerly line of Hyde street extended; thence at a right angle southerly along said westerly line of Hyde street extended 275 feet; thence at a right angle westerly 412 feet 6 inches to the said easterly line of Larkin street, and running thence northerly and along said easterly line of Larkin street 275 feet to the said southerly line of McAllister street and the point of commencement; being a portion of City Hall Reservation.

Be and the same is hereby transferred to the Board of Trustees of the Public Library and Reading Rooms of the City and County of San Francisco for purposes of erecting, construction and maintaining a library building and reading room thereon, and the Board of Trustees of the Public Library and Reading Rooms to undertake to, and proceed with the erection, construction and equipment of a library building on said portion of the City Hall Reservation, the expense of said erection, construction and equipment to be paid for out of the funds of the bond issue for library purposes and the funds given for library purposes by Andrew Carnegie.

Provided, however, that the exterior architectural design and form of, and the nature, style and quality of the materials used upon the exterior of the structure or building erected on the above described block of land for library and reading room purposes shall conform to the other public buildings in the course of erection or to be erected, in the Civic Center, and the plans and specifications for such exterior architectural design and form, including the nature, style and quality of the materials to be used in construction, shall be submitted to the Board of Supervisors of the City and County of San Francisco for approval, and shall be approved by the said Board of Supervisors before construction is commenced, which said approval shall be manifested by a Resolution adopted by said Board of Supervisors, and said building must be built in accordance with the plans and specifications as approved.

And provided, further, that the parking around and approaches to said library building shall conform generally to the plans of said Civic Center as adopted by said Board of Supervisors and shall be approved by said Board of Supervisors.

Section 2. That the use and control of following described block, piece or parcel of land, including improvements, commencing at the point formed by the intersection of the southerly line of Hayes street with the westerly line of Van Ness avenue and running thence westerly and along said southerly line of Hayes street 384 feet 9 inches to the easterly line of Franklin street; thence southerly along said easterly line of Franklin street 275 feet to the northerly line of Fell

street; thence easterly along said northerly line of Fell street 384 feet 9 inches to the westerly line of Van Ness avenue, and thence northerly and along said westerly line of Van Ness avenue 275 feet to the said southerly line of Hayes street and the point of commencement. Being all of Western Addition Block No. 73.

Be and the same is hereby transferred from the control of the Board of Trustees of the Public Library and Reading Rooms of the City and County of San Francisco to City and County of San Francisco for such use or uses as may hereafter be determined by the Board of Supervisors.

Provided, however, that the building or structure now standing on said described premises and now used by the Board of Trustees of the Public Library and Reading Rooms of the City and County of San Francisco shall remain on said premises subject to the uses of said Board of Trustees of the Public Library and Reading Rooms for library and reading room purposes until such time as a library building shall be constructed on the block, piece or parcel of land first in this Resolution described, for the uses and purposes of said Board of Trustees of the Public Library and Reading Rooms.

Section 3. This Ordinance shall take effect immediately.

Finally passed—Board of Supervisors, San Francisco, February 3, 1913.

The Trustees of the Public Library immediately proceeded with the preparation of plans and specifications for the new building. These plans and specifications were approved by the Board of Supervisors on October 19, 1914, by Resolution No. 11,240 New Series.

George W. Kelham was selected as the architect of the building, and the general contract for its construction was awarded to the Lindgren Co.

Ground was broken for the building in March, 1915, and the steel erection commenced in August, 1915.

The corner stone was laid April 15, 1916. The building was dedicated and opened to the public on Thursday, February 15, 1917. Addresses were made by Joseph O'Conner, president of the Board of Library Trustees, R. B. Hale, Trustee, George W. Kelham, architect of the building, and Hon. James Rolph, Jr., Mayor of San Francisco. An original poem was read by Edward Robson Taylor of the Board of Trustees, and the anthem "America" rendered by the audience.

It is generally conceded that the building, with its modern library facilities, is unexcelled.

The building is situated at the intersection of the Easterly line of Larkin street with the Southerly line of McAllister street, its main facade being on Larkin street facing the Civic Center Plaza. Its Northerly, Southerly and Easterly sides are entirely unobstructed, its Southerly side borders the broad esplanade of the Civic Center. The building is ideally located for light and air. The building has a frontage of 190 feet, is 305 feet in depth and is entirely of fire proof construction. Its steel frame is faced with California white granite to harmonize with the City Hall and other Civic Center buildings.

The main stack room has a capacity for 500,000 volumes with arrangement for further increase when desired.

The main reading room is 36x195 feet, with capacity for 25,000 volumes. The reference room is 30x100 feet and has capacity for 15,000 volumes. The main delivery room is 65 feet square and 42 feet in height. The entrance vestibule and staircase as well as the main delivery room is designed with a combination of Travertine marble imported from Italy and some imitation marble. The floors are laid in Travertine marble. The general artistic treatment of the reading and reference rooms is carried out in old Italian style. These rooms also contain two large mural paintings by Mr. Frank DuMond, representing some of the early history of San Francisco.



The exterior and interior of the building architecturally is in Italian Renaissance.

One of the exceptional features of the library is a spacious music room containing a large assortment of music, with piano accommodation for the public. Rest rooms, dining room and kitchen facilities have been provided for the women attendants. The meeting rooms and executive quarters of the Trustees and Secretary are commodious and artistically embellished. The lighting, heating and ventilating systems throughout the building provide the greatest degree of efficiency.

The building fully completed with furnishings and equipment cost \$1,153,000.00, of which amount the city subscribed \$778,000.00 and the balance, \$375,000.00, by the Carnegie Bequest.

A portion of the old library site being, Western Addition Block No. 73, was transferred to the Board of Education, and the San Francisco High School of Commerce, which stood at the north line of Grove street, west of Larkin street, in the Civic Center, costing \$254,000 to build, was removed to the new site at the northeast corner of Franklin and Fell streets in accordance with the following Ordinance:

**BILL NO. 2355. ORDINANCE NO. 2123. (New Series.)** Ordering the moving of the High School of Commerce building situate on the north line of Grove street between Larkin and Polk streets, to other properties of the City situate at Fell and Franklin streets, and known as "Library Site," in accordance with plans and specifications prepared therefor by the Board of Public Works, which specifications are hereby approved; authorizing and directing the Board of Public Works to enter into contract for the moving of said school building and authorizing progressive payments during the progress of said work.

Be it Ordained by the People of the City and County of San Francisco as follows:

Section 1. The Board of Public Works is hereby authorized, instructed and empowered to enter into contract for the moving of the "High School of Commerce" building situate on the north line of Grove street between Larkin and Polk street to other properties of the City situate at Fell and Franklin streets, and known as "Library site," in accordance with plans and specifications prepared therefor under the direction of said Board, which specifications are hereby approved and filed in the office of the Board of Supervisors.

Section 2. Said Board of Public Works is hereby authorized and permitted to incorporate in the contract for the moving of said school building conditions that progressive payments shall be made in the manner set forth in said specifications on file in the office of said Board of Public Works and in the office of the Board of Supervisors.

Section 3. This Ordinance shall take effect immediately.

The contract for the removal of the school building, in its entirety, was awarded to the Sound Construction Co. for the sum of \$151,000.00. The building of steel and brick construction weighed approximately 7,000 tons was moved without the slightest injury to its construction, which result is considered to be an exceptional engineering achievement..

#### STATE OF CALIFORNIA BUILDING.

The State of California owned the certain lot of land situated in the Civic Center, at the northeast corner of Fulton and Polk streets of dimensions 100x120 feet. The City found it necessary to utilize this property as part of the Civic Center plaza, and agreed to exchange with the State the land at the northerly line of McAllister street extending from Larkin to Polk streets, and having a

depth of 120 feet back to Redwood street. Accordingly the Board of Supervisors passed the following Ordinances:

**BILL NO. 3177. ORDINANCE NO. 2894. (New Series.) AUTHORIZING THE MAYOR TO EXECUTE DEED TO STATE OF CALIFORNIA FOR CERTAIN CITY PROPERTY ADJACENT TO THE CIVIC CENTER IN EXCHANGE FOR PROPERTY OWNED BY THE STATE AND LOCATED WITHIN THE CIVIC CENTER.**

Be it Ordained by the People of the City and County of San Francisco as follows:

WHEREAS, By Article II, Chapter II, Section 10 of the Charter of this City and County the Board of Supervisors is authorized to convey to the State of California a parcel of land located within a district described in said section for the purpose of the erection of a State building thereon, and in consideration thereof to receive from the State of California any parcel of land within such district now owned by the State;

AND WHEREAS, At the last session of the Legislature (Statutes of California, 1913, page 70), there was regularly enacted by the Legislature an act giving the consent of the State of California to exchange with the City and County of San Francisco a certain lot or parcel of land situate in the City and County of San Francisco and described as follows, said lot belonging to the State of California:

Commencing at a point formed by the intersection of the easterly line of Polk street with the northerly line of Fulton street, and running thence northerly along said easterly line of Polk street 120 feet to the southerly line of Ash street; thence at a right angle easterly along said southerly line of Ash street 100 feet; thence at a right angle southerly 120 feet to the northerly line of Fulton street; thence at right angle westerly along said northerly line of Fulton street 100 feet to the said easterly line of Polk street and point of commencement. Being a portion of Western Addition, Block No. 4.

The land to be received in exchange therefor to be located in the vicinity of the above described lot of land and to be of equal value thereto as may be determined by the Governor of the State, who, in said act was authorized to execute, under the seal of the State of California, the necessary deed of conveyance therefor and to receive from the City and County of San Francisco a like deed of conveyance of the land to be exchanged;

AND WHEREAS, The district above referred to in Section 10 of Chapter II of Article II of the Charter is that district within which is now being constructed the San Francisco Civic Center;

AND WHEREAS, Located within such district is a certain lot of land owned by the State of California and originally acquired for the purpose of the erection thereon of a building to house the offices of the State of California located within the City and County of San Francisco, which said lot of land is above described as belonging to the State of California;

AND WHEREAS, Said last above described lot of land is included within that portion of the Civic Center which is to be converted into a park;

AND WHEREAS, Adjoining the proposed San Francisco Civic Center, and in the vicinity of the above described lot of land and of equal value thereto, is a lot of land belonging to the City and County of San Francisco and described as follows:

Commencing at the northeasterly corner of McAllister and Polk street, running thence northerly along the easterly line of Polk street 120 feet to the southerly line of Redwood street (formerly Locust avenue); thence at a right angle easterly and along said southerly line of Redwood street 100 feet; thence at a right angle southerly and parallel with said easterly line of Polk street, 120 feet

to the northerly line of McAllister street, and thence at a right angle westerly and along said northerly line of McAllister street 100 feet and to the point of commencement; being a portion of Western Addition, Block No. 5.

AND WHEREAS, The last above described lot of land is a portion of a larger block bounded on the south by the northerly line of McAllister street, on the west by the easterly line of Polk street, on the north by the southerly line of Redwood street (formerly Locust avenue), and on the east by the westerly line of Larkin street; being a part of Western Addition, Block No. 5.

AND WHEREAS, It is the desire of this Board of Supervisors, in accordance with the above authorization of said Section 10 of Chapter II of Article II of the Charter, to exchange a lot of land now owned by the City and County of San Francisco with the State of California for the above described lot of land so owned by the State in order that the said State property may become available for said park purposes within the Civic Center; and further, in order that the State may have a lot of equal value upon which to erect a State building in which shall be located the offices of the State government within the City and County of San Francisco;

AND WHEREAS, The above described lot of land now owned by the city, located on the northeast corner of Polk and McAllister streets and running along the easterly line of Polk street 120 feet northerly, and of a uniform depth of 100 feet, is of equal value to the above described lot of land so owned by the State;

AND WHEREAS, There has been submitted to the people of the State of California at the last session of the Legislature a proposed bond issue in the amount of \$1,000,000 to be voted upon at the coming November election for the authorization of the issuance of bonds in the amount of \$1,000,000 for the construction of a State building in San Francisco, in which shall be located the offices of the State which are in the City and County of San Francisco (Statutes of California, 1913, at page 920);

AND WHEREAS, In the event of the people of the State of California approving such bond issue, it is the desire of this Board of Supervisors to exchange with the State, for the above property so now owned by the State, the entire block of land above described now owned by the City, and bounded on the south by the northerly line of McAllister street; on the west by the easterly line of Polk street; on the north by the southerly line of Redwood street (formerly Locust avenue), and on the east by the westerly line of Larkin street.

NOW, THEREFORE, Be it Resolved, That the Mayor of this City and County be and he hereby is authorized, on behalf of the City and County, to duly execute and deliver to the State of California a deed, which deed shall be an immediate and absolute conveyance of that portion of the above lot described as commencing at the northeasterly corner of Polk and McAllister street; running thence northerly along the easterly line of Polk street, 120 feet to the southerly line of Redwood street (formerly Locust avenue); thence at a right angle easterly and along said southerly line of Redwood street 100 feet; thence at a right angle southerly and parallel with said easterly line of Polk street 120 feet to the northerly line of McAllister street; and thence at a right angle westerly and along said northerly line of McAllister street 100 feet to the point of commencement; being a portion of Western Addition, Block No. 5, and to include in said deed a condition that in the event of the people of the State of California approving, at the coming election in November of this year, the above described bond issue in the amount of \$1,000,000, that the remainder of said above described block of land now owned by the City and County of San Francisco shall also be and become absolutely the property of the State of California. That is, in the event of the people of the State of California so approving the above described bond issue at the coming election in November, then the above described entire block of land bounded on the south by the northerly line of McAllister street; on the west by the easterly line of Polk street; on the north by the southerly line of Redwood

street (formerly Locust avenue), and on the east by the westerly line of Larkin street; being a portion of Western Addition, Block No. 5, shall be and become absolutely the property of the State of California; Provided that the Mayor in exchange for said deed, shall receive from the Governor of the State of California, as so above authorized by act of the Legislature, a deed conveying to the City and County of San Francisco a fee simple absolute title to the block of land above described as now belonging to the State of California. And further provided, that in the event of any legal proceeding being had attacking the validity of the above bonds, that then, if on the final determination thereof, the said bond issue shall be held invalid, the remaining portion of the above block of land now owned by the city other than the lot located on the northeasterly corner of Polk and McAllister streets and running thence northerly along the easterly line of Polk street 120 feet, and of a uniform depth of 100 feet, shall not be considered as conveyed to the State of California; Provided, however, that immediately upon the exchange of the aforesaid deeds a fee simple title absolute in and to the above lot of land on the northeasterly corner of McAllister and Polk streets, running thence northerly along said easterly line of Polk street 120 feet and of a uniform depth of 100 feet, shall be considered as having been conveyed to the State of California by the City and County of San Francisco.

Finally Passed—Board of Supervisors, September 10, 1914.

**BILL NO. 3367. ORDINANCE NO. 3553. (New Series.) AUTHORIZING THE MAYOR TO EXECUTE DEED TO THE STATE OF CALIFORNIA FOR CERTAIN CITY PROPERTY ADJACENT TO THE CIVIC CENTER IN EXCHANGE FOR PROPERTY OWNED BY THE STATE AND LOCATED WITHIN THE CIVIC CENTER.**

Be it Ordained by the People of the City and County of San Francisco as follows:

Section 1. WHEREAS, In accordance with authorization given by Ordinance of this Board of Supervisors, No. 2894, New Series, regularly approved on the 15th day of September, 1914, the Mayor of this City and County did execute and deliver on behalf of the City and County of San Francisco a deed to the State of California of certain property adjacent to the Civic Center in exchange for property owned by the State and located within the Civic Center.

AND WHEREAS, There was submitted to the people of the State of California at the last general election in November, 1914, a proposed bond issue in the amount of \$1,000,000 for the authorization of the issuance of bonds in said amount for the construction of a State building in San Francisco in which shall be located the offices of the State which are in the City and County of San Francisco (Statutes of California, 1913, at page 920).

AND WHEREAS, One of the conditions of the aforesaid deed to the State was that in the event of the people of the State approving the aforesaid bond issue that the City would convey to the State, in fee simple absolute, the property hereinafter described;

AND WHEREAS, The people of the State of California did, at said election in November, 1914, approve of said proposed bond issue;

NOW THEREFORE, Be it ordained, that the Mayor of this City and County be and he hereby is authorized, on behalf of the City and County to duly execute and deliver to the State of California a deed for that entire block of land located in the City and County of San Francisco, State of California, bounded on the south by the northerly line of McAllister street, on the west by the easterly line of Polk street, on the north by the southerly line of Redwood street (formerly Locust avenue) and on the east by the westerly line of Larkin street, being a portion of Western Addition Block No. 5; provided, however, that in the event of any legal proceedings being had attacking the validity of the above bonds that then, if on the final determination thereof the said bond issue shall be held invalid,

that portion of the above described entire block, which portion is hereinafter set forth, shall not be considered as conveyed to the State of California; that is, that portion other than the lot located on the northeasterly corner of Polk and McAllister streets and running thence northerly along the easterly line of Polk street 120 feet and of a uniform depth of 120 feet.

Finally Passed—Board of Supervisors, San Francisco, December 27, 1915.

It was proposed that a million dollar State building be erected on this land, which has sufficient area to permit such a structure. The question of incurring a bonded indebtedness in the sum of one million dollars was submitted to the people of the State at an election held November, 1914, and was favorably passed. Competition and award of plans for the building is being supervised by the State officials.

**POWER PLANT.**

For the purpose of steam heating the City Hall and other public buildings within the Civic Center a substantial building has been erected at the northeast corner of Larkin and McAllister streets and equipped for the generation of steam for heating purpose.

The contract for constructing and equipping the plant were let by the Board of Public Works as follows:

Construction General—T. W. McClenahan.....	\$10,800.00
Installation of Boilers—Davis Rogers & Co.....	11,950.00

Approximately 2,400 feet of pipe has been laid through the Civic Center for transmitting steam heat, the contract was let to the Whittman Lyman Co. for the sum of \$23,964.00. The grounds surrounding the building were transferred to the custody and care of the Park Commission by Resolution No. 12043 (N. S.).

**FIRE ALARM STATION.**

The Department of Electricity consisting of the General Fire Alarm and Police Telegraph system and machine shops were housed in a temporary building on city property within the Civic Center.

The removal of this building necessitated the placing of the department in permanent quarters. The advisability of obtaining a site and placing the Fire and Police Alarm System separate and away from surrounding buildings was consummated by the passage of the following Ordinance by the Board of Supervisors April 27, 1915:

**BILL NO. 3009. ORDINANCE NO. 2732. (New Series.) SELECTING AND SETTING ASIDE IN THAT CERTAIN SQUARE OR PARK KNOWN AS JEFFERSON SQUARE, BOUNDED ON THE NORTH BY EDDY STREET, ON THE SOUTH BY GOLDEN GATE AVENUE, ON THE EAST BY GOUGH STREET AND ON THE WEST BY LAGUNA STREET, A SUITABLE AND CONVENIENT SITE UPON WHICH MAY BE ERECTED BY COMPETENT AUTHORITY A CENTRAL STATION FOR THE FIRE ALARM AND POLICE TELEGRAPH AND TELEPHONE SYSTEMS.**

Be it Ordained by the People of the City and County of San Francisco as follows:

Section 1. There is hereby selected and set aside in that certain square or park known as Jefferson Square, bounded on the north by Eddy street, on the south by Golden Gate avenue, on the east by Gough street, and on the west by Laguna street, upon which may be erected by competent authority a central station for the Fire Alarm and Police Telegraph and Telephone Systems, the lot, piece or parcel of land more particularly described as follows, to-wit:

Commencing at a point on the southerly line of Turk street, distant thereon three hundred and twelve (312) feet and 6 (6) inches easterly from the easterly line of Laguna street; running thence at right angles southerly one hundred (100) feet; thence at right angles easterly one hundred (100) feet; thence at right angles northerly one hundred (100) feet to the said southerly line of Turk street and thence at right angles westerly along said southerly line of Turk street one hundred (100) feet to the point of commencement.

Section 2. Said station, when erected, to be under the control and management of the Joint Commission of the Department of Electricity and said Joint Commission shall have power and authority, when said station is erected, to maintain across said square or park the necessary conduits, wires and lines leading to said station.

Section 3. This Ordinance shall take effect immediately.

A fire proof building has been erected on the above site in Jefferson Square under the following contracts:

General Construction—Clinton Fire Proofing Co.....	\$36,000.00
Switch Board—Butte Engineering and Electrical Co.....	7,321.23
Motor Generator—Crocker, Wheeler Co.....	695.50
Underground Conduit—J. H. O'Brien.....	3,115.50

Contracts were also let for installation, equipping, etc., of the building in detail bringing the Fire Alarm and Police Telegraph system for the city to a standard of modern perfection.

The machine shop, an integral part of the department of Electricity, was also removed from the Civic Center and installed in a newly constructed building on City property situate on the north line of Golden Gate avenue, between Hyde and Leavenworth streets, the contract was let to T. E. Davis and Son for the sum of \$13,269.00.

#### PARKING, STREET-PAVING, SIDEWALKS, STATUARY, ETC.

The Panama-Pacific Exposition of 1915 being at hand, it was desirable that the Civic Center should offer a presentable appearance to our citizens and the many visitors coming to the city.

The Board of Supervisors directed that some of the work comprising the artistic features of the plaza, such as statuary, light standards, etc., be of a temporary nature as the time would not allow for permanent work of this character in time for the exposition.

The following Resolutions and Ordinances were accordingly passed by the Board of Supervisors:

- Resolution No. 10876 (New Series).
- Resolution No. 10877 (New Series).
- Resolution No. 10878 (New Series).
- Ordinance No. 2794 (New Series).
- Ordinance No. 2795 (New Series).
- Ordinance No. 2852 (New Series).

Complying with the provisions of the foregoing Resolutions and Ordinances the Board of Public Works awarded contracts as follows. Parking the Civic Center plaza, including the construction of a concrete cistern, fountains, lighting fixtures, installing statuary, railings, etc.:

General Construction—T. W. McClenahan.....	\$54,860.00
Electric Work in Plaza—General Electric Construction Co.....	1,529.00
Plumbing in Plaza—Whittman Lyman Co.....	5,899.00

The planting of trees and shrubs was supervised by the Park Commission.

The area of the Civic Center Plaza, including sidewalks, is 5.36 acres, and excluding sidewalks, 4.44 acres.

The following Resolution was passed:

RESOLUTION NO. 12009. (New Series.)

WHEREAS, The Board of Public Works has advised that the Civic Center Plaza has been satisfactorily completed, and accepted by said Board of Public Works by its Resolution passed July 14, 1915, therefore be it

RESOLVED, That the said Civic Center Plaza bounded by Polk, McAllister, Larkin and Grove streets be and is hereby set aside and dedicated for park purposes, and the same is hereby transferred and assigned to the control and supervision of the Park Commission.

Adopted—Board of Supervisors, San Francisco, August 2, 1915.

The sum of \$8,000 was made available for building of fences around vacant property and for the construction of sidewalks, etc., within the Civic Center.

All branches of the work, the extension of streets, paving, parking, etc., within the Civic Center is progressing to completion.

CENTRAL EMERGENCY HOSPITAL

The land situate at the southwest corner of Polk and Grove streets, extending through to Ash street, of dimensions 110 feet 9 inches by 137 feet 6 inches, in the Civic Center, was set aside for a Public Health Department building.

Preliminary to the erection of the main office building a unit was constructed for the accommodation of the Central Emergency Hospital at a cost of approximately \$95,000.

The principal contracts were awarded on July 24, 1916, to Anderson and Ringrose, general construction, \$78,140; December 6, 1916, to J. W. Burtchell, light fixtures, etc., \$1,575; October 13, 1916, to Burnham Plumbing Co., sterilizers, etc., \$3,575.

On Tuesday, March 6, 1917, at 2 p. m., the building was dedicated.

Mayor Rolph, Jr., addressed the assemblage and dwelt upon the nature of the service of the department to the public, and extolled the employees for faithful performance of duties. The Mayor was followed by Supervisors Ralph McLeran and Chas. A. Nelson, also Mr. A. Barendt, president of the Board of Health in short addresses. Music was rendered by the Municipal Band.

MISCELLANEOUS CONSTRUCTION AND IMPROVEMENTS IN THE CIVIC CENTER.

It became necessary to divert the street railroad service to outer streets surrounding the Civic Center, and the following Resolutions were passed by the Board of Supervisors:

RESOLUTION NO. 10573. (New Series.)

RESOLVED, That the Mayor be authorized on behalf of the City and County of San Francisco to execute a contract with the United Railroads of San Francisco, by the terms of which said United Railroads will agree to abandon its franchise to operate a street railway over and along Polk street, between Hayes street and Grove street; Grove street, between Polk street and Larkin street; and City Hall avenue, between Larkin street and McAllister street, and in lieu of said franchise abandoned and under the same terms and conditions, to operate a street railway from the intersection of Polk and Hayes streets, along Hayes street to Larkin

street; along Larkin street to McAllister street, and along McAllister street to Leavenworth street, with the right to make the necessary connections to enable the routing of cars from Polk street into Leavenworth street, the City to repay to the United Railroads the cost of installing the necessary connections which cost shall not exceed the estimate therefor made by said United Railroads on file in the office of the Clerk of the Board of Supervisors, the City at its expense to take up the tracks in the streets abandoned, the rails to be the property of the United Railroads. The work of installing the new connections to be completed within four months from the signing of the agreement and the abandonment of said franchise to be made within said time.

Finally Passed—Board of Supervisors, San Francisco, December 8, 1913.

RESOLUTION NO. 11329. (New Series.)

RESOLVED, That the Mayor be authorized on behalf of the City and County of San Francisco to execute a contract with the United Railroads of San Francisco, by the terms of which said United Railroads will agree to reconstruct its railroad tracks on McAllister street between Larkin street and Van Ness avenue and on Larkin street between McAllister and Grove streets, and to install in these blocks center pole construction consisting of steel poles with cast iron ornamentations to be approved by the Consulting Architects of the Board of Public Works.

The sum of \$12,000 is to be set aside and made available to repay to the United Railroads the cost of reconstructing the said tracks and of erecting the said poles, paving, etc., and shall not exceed the said sum, the same being the estimate of cost of the said Railroad Company and report of the City Engineer and on file in the office of the Clerk of the Board of Supervisors. The work of said reconstruction is to be done by the said Railroad Company and to be commenced and finished with the period of \_\_\_\_\_ from the date of signing the said agreement.

Adopted—Board of Supervisors, San Francisco, November 16, 1914.

The balustrade surrounding the Civic Center Plaza and the statuary erected around the fountains were only of a temporary character, to be replaced in the future by permanent works of art.

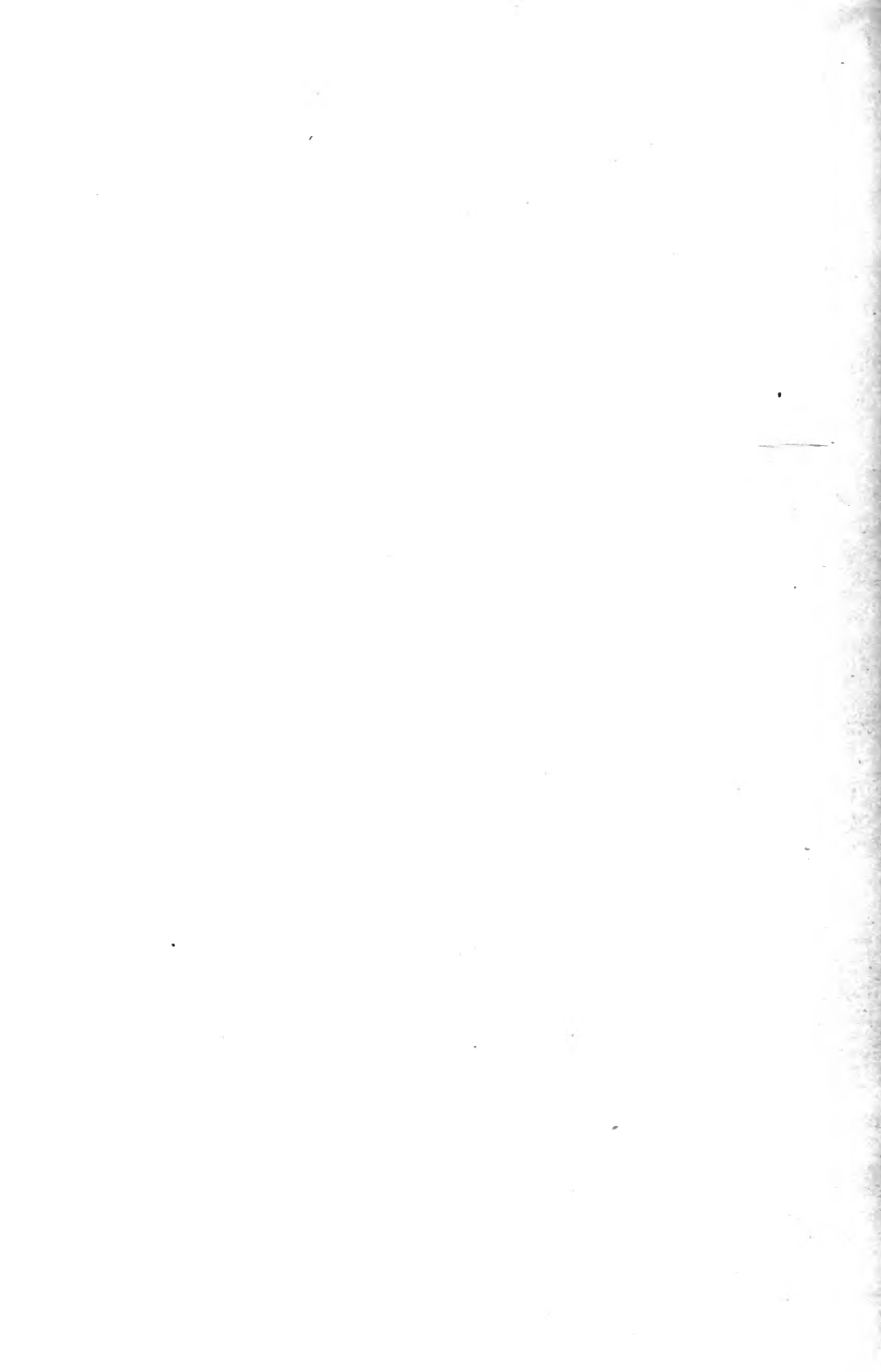
The temporary fixtures having fully served the purpose of embellishment during the Exposition year were ordered removed by Resolution of the Board of Supervisors. A contract was let for installing granite coping around the plaza and the work is now completed.

A contract was let to J. B. Rogers for sinking an artesian well under the sidewalk at Fulton street on the Van Ness avenue frontage of the City Hall for the sum of \$1,400. The work is now completed. It is the intent to install an electric pump equipment at an approximate cost of \$1,500. The well has a capacity of from 60 to 70 gallons of water per minute, and will be utilized for janitorial service and flushing the City Hall, as well as irrigating the plaza and grounds in the Civic Center. The proposed system will save the city a large expenditure in water service bills.

The ruins on the old City Hall site, as well as the old Hall of Records, were sold at public auction, and have been removed from the premises, making way for the extension of Hyde street through Marshall Square to Market street.







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