

## SERVICE PIPES LAID 1908.—(Continued.)

Number.	Name of Owner or Agent.	Location of Premises.	Number of Stopcocks. Size of Pipe.	Purpose for which water is used.
42	Nelson Jackson	N. side Willow	7313	Dwelling.
43	John E. Feetham	N. side North	7314	"
44	H. H. Gough	S. side Almon	7315	"
45	F. H. Gough	S. side Almon	7316	"
46	C. E. West	W. side Agricola	7317	"
47	Bentley & Flemming	E. side L. Water	7318	Stable.
48	Ralph Ward	S. side W. Young	7319	Dwelling.
49	M. J. O'Connor	W. side Maynard	7320	"
50	C. J. Silliker	N. side Coburg Road	7321	"
51	Roy Lea	N. side Coburg Road	7322	"
52	City of Halifax	City Lot	7323	Shops.
53	Graham Creighton	W. side LeMarchant	7324	Dwelling.
54	Geo. Topp	S. side South	7325	"
55	F. A. Taylor	S. side South	7326	"
56	B. H. Power	N. side Cedar	7327	Stable.
57	James Coolen	N. side Coburg Road	7328	Dwelling.
58	A. Reardon	N. side Coburg Road	7329	"
59	Gray & Flinn	S. side Morris	7330	"
60	J. H. Harraher	W. side Creighton	7331	"
61	A. E. King	W. side Creighton	7332	"
62	A. E. King	W. side Creighton	7333	"
63	R. G. Beazley	W. side Tower Road	7334	"
64	Clara Spencer	E. side Edward	7335	"
65	E. Gibson	W. side Vernon	7336	"
66	Collas-Whitman	N. side Boak's Wharf	7337	Fish Drying.
67	Board of Health	W. side Gottingen	7338	Smallpox Hospital.
68	Mrs. C. W. Thompson	S. side South	7339	Dwelling.
69	R. A. Corbin	E. side Beech	7340	"
70	Arthur Cox	E. side Henry	7341	"
71	Arthur Cox	E. side Henry	7342	"
72	J. J. Burns	W. side Henry	7343	"
73	Walter Hallett	S. side Lawrence	7344	"
74	C. R. Longard	N. side Duncan	7345	"
75	R. H. Craydon	W. side Robie	7346	"
76	A. G. Smith	S. side Fenwick	7347	"
77	N. H. Lloy	N. side Cabot	7348	"
78	Mrs. E. M. Thorne	W. side Agricola	7349	"
79	Emma Heffler	W. side Campbell Road	7350	"
80	Melton Hubley	N. side Kane	7351	"
81	Jessie Noonan	S. side Kane	7352	"
82	J. L. Sullivan	N. side Kane	7353	"
83	Leo Longueil	N. side Kane	7354	"
84	Ld. Latter	S. side Kane	7355	"
85	C. W. Hayward	E. side Agricola	7356	"
86	M. Foley	N. side Shirley	7357	"
87	Thos. Brewer	N. side Yukon	7358	"

## SERVICE PIPES LAID 1908.—(Continued)

Number.	Name of Owner or Agent.	Location of Premises.	Size of Pipe.		Purpose for which water is used.
			Number of Stopcock.		
88	Beatrice B. Cook	W. side Windsor	7359	1	Dwelling.
89	A. Westhaver	S. side Yale	7360	"	"
90	Winters Burnham	E. side Clifton	7361	"	"
91	Jas. Hillis & Sons	E. side Veith	7362	"	"
92	A. G. Misener	E. side Creighton	7363	1	"
93	Cyrus Burbidge	S. side Lawrence	7364	1	"
94	F. W. Fraser	E. side Edward	7365	"	"
95	N. A. Mills	W. side Brunswick	7366	"	"
96	S. A. Morton	W. side Lucknow	7367	"	"
97	Justin Bellfountain	S. side South	7368	"	"
98	Orlando Gardner	W. side LeMarchant	7369	"	"
99	E. B. Penton	E. side Robie	7370	"	"
100	A. Mackinlay	E. side Young Avenue	7371	"	"
101	Thos. Francis	N. side Coburg Road	7372	"	"
105	D. Grant	W. side Windsor	7373	"	"
103	F. P. Fairbanks	E. side Hollis	7374	3	Hotel.
104	A. E. Theakston	E. side Louisburg	7375	3	Dwelling.
105	C. J. Silliker	S. side North	7376	"	"
106	W. E. Hebb	W. side Robie	7377	"	"
107	F. Wilson	N. side Kane	7378	"	"
108	H. E. Pelton	S. side Chebucto Road	7379	"	"
109	S. J. Harivel	S. side Bloomfield	7380	"	"
110	Professor Sexton	S. side Spring Garden Rd.	7381	4	Technical College.
111	Geo Thomson	S. side W. Young	7382	1	Dwelling.
112	W. T. Fry	W. side LeMarchant	7383	"	"
113	E. M. Veale	W. side Robie	7384	"	"
114	Sinclair Fraser	W. side Robie	7385	"	"
115	Geo. Finlay	N. side Bloomfield	7386	"	"
116	Mrs. Mary Westhaver	E. side Agricola	7387	"	Shop & Dwelling.
117	J. C. Bannister	E. side Agricola	7388	"	Dwelling.
118	John Murray	E. side Agricola	7389	"	"
119	Frank Kline	E. side Agricola	7390	"	Shop & Dwelling.
120	Ralph Smith	E. side Agricola	7391	"	Dwelling.
121	Alfred Myra	E. side Agricola	7392	"	"
122	Charles Boudreau	E. side Agricola	7393	"	"
123	W. M. Gibbons	E. side Agricola	7394	"	"
124	Wm. M. Gibbons	E. side Agricola	7395	"	"
125	Robert Cooke	W. side Agricola	7396	"	"
126	Wm. Higgett	W. side Agricola	7397	"	"
127	Alfred McAndrews	W. side Agricola	7398	"	"
128	Crawford C. Wallace	W. side Agricola	7399	"	"
129	Joseph Marriot	W. side Agricola	7400	"	"
130	R. A. Spawton	W. side Agricola	7401	"	"
131	Alex. Young	W. side Agricola	7402	"	"
132	Sarah Spencer	W. side Edward	7403	"	"
133	Annie Thomson	S. side W. Young	7404	"	"

## SERVICE PIPES LAID 1908.—(Continued.)

Number.	Name of Owner or Agent.	Location of Premises	Number of Stopcock. Size of Pipe.	Purpose for which water is used.
134	Gray & Flinn .....	W. side Seymour .....	7405	$\frac{1}{2}$ Dwelling.
135	A. H. Buckley .....	S. side Quinpool Road ...	7406	" "
136	Marvin Hancock .....	N. side Quinpool Road ...	7407	" "
137	Chas. Kennedy .....	E. side Agricola .....	7408	" "
138	J. C. Coffin .....	E. side Agricola .....	7409	" "
139	Jas. Buchard .....	E. side Agricola .....	7410	" "
140	John Day .....	W. side Agricola .....	7411	" "
141	Mrs. Selina Cadwell .....	W. side Agricola .....	7412	" "
142	N. H. Gough .....	S. side Almon .....	7413	" "
143	School Commissioners .....	N. side Chebucto Road ...	7414	$2\frac{1}{2}$ School.
144	School Commissioners .....	N. side Chebucto Road ...	7415	$1\frac{1}{2}$ "
145	J. A. Massey .....	W. side Louisburg .....	7416	$\frac{1}{2}$ Dwelling.
146	J. S. Hubley .....	S. side McCully .....	7417	" "
147	M. Maltus .....	S. side Pepperell .....	7418	" "
148	John Hughes .....	W. side Seldon .....	7419	" "
149	Jas. Fenerty .....	N. side Lawrence .....	7420	" "
150	Jubilee Boat Club .....	S. side Jubilee Road .....	7421	$1\frac{1}{4}$ Dwellings and Club House.

## Total Precipitation for the year.

1908.	CITY OF HALIFAX.				SPRUCE HILL LAKE.				CHAIN LAKE.			
	Snow.	Melted Snow.	Rain.	Total.	Snow	Melted Snow.	Rain.	Total.	Snow.	Melted Snow.	Rain.	Total.
January .....	23.5	2 31	4.46	6.77	23.5	2 31	4.46	6.77	18.9	1.890	4.282	6.172
February .....	6.75	.62	4.26	4 88	16	.89	4.44	5.33	11.9	1.190	4 922	6.112
March .....	5.75	.85	2.24	3.09	10.75	1.18	2.57	3.75	7.1	.710	2.419	3.129
April .....	8	1.26	4.84	6.10	8.25	1.50	6.27	7.77	7.1	.786	5.587	6.373
May .....			5.92	5.92			4 60	4.60			6.248	6.248
June .....			3.76	3.76			3.81	3.81			4.320	4.320
July .....			5.07	5.07			5 95	5.95			5.700	5.700
August .....			8.28	8.28			9.74	9.74			10.658	10.658
September .....			1 42	1.42			1.75	1.75			1.413	1.413
October .....			3.96	3.96			4.28	4.28			3.704	3.704
November .....	.50	.06	2.96	3.02	.25	.03	3 02	3.05	.3	.030	3.242	3.272
December .....	10.25	.89	5.76	6.65	11.75	1.29	6.49	7.78	8	.800	6.969	7.769
Total .....	54.75	5.99	52.93	58.92	70.50	7.20	57.38	64.58	53.3	5.406	59.464	64.870



## Detailed Precipitation for the Year 1908.

CITY OF HALIFAX.												
Day.	Jan.	Feb.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.
	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.
1	.270	.280		.330	1.518			.026				.205
2	.....	.750	.030	.300	T			5.426		.300		.....
3	.....	T	.040	.060	.838			.130	.388		T	.....
4	.....		.010								.060	T
5	.658		.030			.258	1.254				.056	.720
6	T	.120		.266		T			.300			.....
7		.434	.626					.010	.188			.792
8	1.014	.100			.917			2.716			.026	.340
9	.180	T	.058	1.164	.422			.010		.082	.114	T
10	.....					T		.010		.190		.170
11	.....	.190	.040	.968		.146				.180	.060	T
12	.880	.010		.076		1.718				.080	.572	2.280
13	.392					1.104		.010			T	.....
14	.100	.078	.546			.064			.098		T	.260
15	.010	.564		.020		T	1.690	.300			.910	.420
16	.072	.306	.064	.438		.594	.060				.008	T
17	.020		.040		.332	.010			.280		.120	.....
18	T		.140		.088		1.054	1.100	.022		.168	.030
19	.020		.050	1.682			.076				.870	.090
20		1.714					.094	.032			.020	T
21	.180			.050			.212				.010	.040
22		.420					1.204					.020
23		.040						.214			.026	.....
24	.540	.030	1.240			.026						.....
25	.180					.400					.020	.434
26		.080	T	.204	T		.028	.532			.026	.442
27	.864	.188	.010		1.156		.028	.142		.092	.168	T
28	.126	.808	.022	T					.012	T		.200
29			.211	.825	.020			.020			.018	.....
30	.666		.010		.090				.105	2.766		.....
31					.867					T		1.326
Total.	6.172	6.112	3.129	6.373	6.248	4.320	5.700	10.658	1.413	3.704	3.272	7.769

Total for the year, 64.870 inches.

## Detailed Precipitation for the Year 1908.

CHAIN LAKE.												
Day.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.
1				.49	1.40			.05		.03		.21
2	.25	.85			.13			3.95		.59		
3			.19	.40	.79				.35		.03	
4											.04	
5	.70					.23	1.03				.06	.64
6				.24								.03
7			.45					.06	.55			.13
8	1.20				.63			1.92				1.05
9	.21		.06	1.00	.55						.10	
10										.25		.14
11		.10		.65						.16	.03	
12	.02	.05		.14		1.15				.06	.47	1.70
13	1.43					1.64		.02				.40
14	.15		.51			.08			.09			.37
15		.55				.03	1.00	.25			.84	.23
16		.29	.06	.40			.53					.07
17	.05					.09			.18		.16	
18	.03				.35		.97	1.06	.10		.03	
19				1.70			.05				1.50	.20
20		1.59	.25				.13	.04			.02	.10
21	.20			.20								.05
22							.20					
23		.33					1.08	.26				
24		.14	1.23			.03						
25	.82					.51						.56
26		.02		.08			.03	.35				.50
27	.15	.16			1.10		.05	.32		.11	.18	
28	.45	.80								.02		
29	.05		.13	.80	.02				.04			
30	.99		.15		.11				.11	2.74		
31	.07				.84							.27
Total.	6.77	4.88	3.09	6.10	5.92	3.76	5.07	8.28	1.42	3.96	3.02	6.65

Total for the year, 58.92 inches.

## Detailed Precipitation for the Year 1908.

SPRUCE HILL LAKE.												
Day.	Jan.	Feb.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.
	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.
1				.63	1.26			.03				.24
2	.20	.67	.10		.05			3.89		.58		
3			.20	.42	.79				.35	.05		
4											.03	
5	.68		.04			.22	1.68				.05	.70
6	.04			.34			.03		.13			
7		.42	.43	.03					.56			.07
8	1.08	.03						3.09				1.03
9	.16		.09	1.44	.46			.02			.07	
10	.04			.03						.30	.05	.11
11		.08		1.05		.13				.14	.03	
12		.03	.08	.21		1.45				.07	.49	1.59
13	1.69					1.20						.60
14	.07	.06	.58			.06			.06			.28
15	.08	.64					1.18	.35			.85	.24
16		.38	.06	.67			.39					.12
17	.07				.15	.06			.29		.17	
18			.03		.42		1.13	1.64	.21			
19	.03		.23	1.85			.05				.97	.15
20		1.64	.08				.13	.05			.03	.15
21	.21	.04		.19								
22							.13					.07
23		.33					1.10	.27				
24	.52		1.30									
25	.26					.69					.05	.28
26		.03		.04			.05	.40				.58
27	.14	.25	.03	.02	.57		.05			.09	.21	.03
28	.47	.73								.03		.21
29			.14	.85					.05		.05	
30	.99		.26		.07		.03		.10	2.99		
31	.07				.83					.03		1.33
Totals	6.77	5.33	3.75	7.77	4.60	3.81	5.95	9.74	1.75	4.28	3.05	7.78

Total for the year, 64.58 inches.

## PRECIPITATION AT HALIFAX, N. S.

Table showing the monthly and annual depth of rain and melted snow, expressed in inches; also the amount that has fallen from January 1st to the end of each month, inclusive, during each year.

YEAR.	January.	February.	January to Feb. inclusive.	March.	January to Mar. inclusive.	April.	January to April inclusive.	May.	January to May inclusive.	June.	January to June inclusive.
1869..	4.530	4.380	8.910	7.950	16.860	2.570	19.430	5.570	25.000	3.920	28.920
1870..	6.670	9.780	16.450	3.080	19.530	3.860	23.390	3.190	26.578	1.690	28.270
1871..	3.730	5.880	9.610	6.160	15.770	4.880	20.650	2.590	23.240	2.960	26.200
1872..	3.880	4.490	8.370	5.370	13.740	2.850	16.590	4.440	21.030	4.230	25.260
1873..	7.830	1.610	9.440	4.090	13.530	2.860	16.390	2.340	18.730	2.960	21.690
1874..	5.420	5.310	10.730	3.980	14.710	4.550	19.260	4.770	24.030	7.920	31.950
1875..	3.481	5.877	9.378	2.113	11.491	3.378	14.869	3.977	18.846	4.067	22.913
1876..	3.451	6.456	9.907	6.334	16.241	3.125	19.366	4.664	24.030	3.384	27.414
1877..	4.200	1.809	6.009	8.666	14.675	3.801	18.476	4.0.4	22.500	3.841	26.341
1878..	7.522	2.697	10.219	10.284	20.503	3.502	24.005	5.759	29.764	4.477	34.241
1879..	4.460	3.001	7.401	6.202	13.603	3.481	17.084	4.687	21.771	1.191	22.962
1880..	7.733	5.122	12.855	3.365	16.220	4.797	21.717	4.088	25.105	1.343	26.448
1881..	3.607	5.329	8.936	6.556	15.492	3.498	18.990	2.460	21.450	5.308	26.751
1882..	6.840	5.949	12.789	7.068	19.857	4.824	24.681	4.677	29.358	5.507	34.865
1883..	4.930	3.860	8.790	4.941	13.731	3.703	17.434	8.613	26.047	3.322	29.369
1884..	4.406	6.161	10.567	7.034	17.601	7.213	24.814	3.629	28.443	3.773	32.216
1885..	6.388	5.090	11.478	3.889	15.367	3.520	18.887	3.282	22.169	2.749	24.918
1886..	8.670	3.842	12.512	4.027	16.539	0.823	17.362	8.819	26.181	2.708	28.889
1887..	7.706	6.735	14.441	4.449	18.890	6.396	25.286	2.126	27.412	1.212	29.533
1888..	5.442	6.284	11.726	4.310	16.036	3.675	19.711	2.877	22.588	4.939	27.527
1889..	4.391	6.181	10.572	2.046	12.618	7.403	20.021	3.871	23.892	3.755	27.647
1890..	3.903	4.645	8.508	9.889	18.497	2.958	21.455	3.970	25.425	3.440	28.865
1891..	8.383	8.740	17.123	2.685	19.808	4.010	23.818	4.195	28.013	4.131	32.144
1892..	6.321	2.605	8.926	5.986	14.912	2.653	17.565	5.459	23.024	3.638	26.662
1893..	4.781	5.979	10.760	2.303	13.063	4.209	17.272	5.054	22.326	1.753	24.079
1894..	7.122	3.571	10.693	3.623	14.316	5.648	19.964	1.769	21.733	3.803	25.536
1895..	10.131	4.605	14.736	5.931	20.667	3.956	24.623	4.089	28.712	1.827	30.539
1896..	1.720	4.199	5.919	8.786	14.705	1.413	16.118	2.532	18.650	4.671	23.321
1897..	5.896	2.898	8.794	5.470	14.264	6.211	20.475	4.613	25.088	6.070	31.158
1898..	4.060	4.422	8.482	4.068	12.550	7.346	19.896	2.366	22.262	5.598	27.860
1899..	5.083	3.613	8.696	7.178	15.874	3.278	19.152	3.677	22.829	3.875	26.704
1900..	8.532	5.277	13.809	6.577	20.386	3.949	24.335	4.254	28.589	2.656	31.245
1901..	6.043	0.966	7.009	4.102	11.111	6.318	17.429	5.556	22.985	6.959	29.944
1902..	3.289	2.735	6.024	7.757	13.781	3.067	16.848	3.725	20.573	4.908	25.481
1903..	5.082	3.712	8.794	7.294	16.088	5.615	21.603	0.676	22.279	3.493	25.772
1904..	6.318	5.328	11.646	5.590	17.236	5.912	23.148	3.315	26.463	2.668	29.131
1905..	8.290	5.326	13.616	2.804	16.420	1.260	17.680	3.217	20.897	4.970	25.867
1906..	4.624	5.208	9.832	7.142	16.974	8.381	25.355	6.208	31.563	1.704	33.267
1907..	6.186	4.481	10.667	3.364	14.031	3.218	17.249	3.344	20.503	3.723	24.316
1908..	6.172	6.112	12.284	3.129	15.413	6.373	21.786	6.248	28.034	4.320	32.354
Totals	227.223	234.057	.....	215.592	.....	170.314	.....	164.720	.....	150.372	.....
Means	5.680	5.851	.....	5.389	.....	4.259	.....	4.118	.....	3.759	.....



## PRECIPITATION AT HALIFAX, N. S.

Table showing the monthly and annual depth of rain and melted snow, expressed in inches; also the amount that has fallen from January 1st to the end of each month, inclusive, during each year.

YEAR.	July.	January to July inclusive.	August.	January to Aug. inclusive.	September.	January to Sept. inclusive.	October.	January to Oct. inclusive.	November.	January to Nov. inclusive.	December.	Total for the year.
1869	2.920	31 840	2.580	34 420	1.570	35,990	7.300	43.290	5.470	48.760	5.770	54.530
1870	3.210	31.480	2.200	33.680	3.330	37.010	6.830	43.840	6.440	50.280	5.880	56.160
1871	3.330	29.580	3.690	33.270	4.810	38.080	4.490	42.570	4.180	46.750	4.390	51.140
1872	2.880	28.140	6.820	34.960	1.410	36.370	4.880	41.250	6.650	47.900	6.160	54.060
1873	3.900	25.590	4.450	30.040	4.480	34.520	8.630	43.150	7.980	51.130	4.310	55.440
1874	2.290	34.240	3.370	37.610	5.040	42.650	2.460	45.110	3.580	48.690	5.490	54.180
1875	5.612	28.525	3.555	32.060	2.060	34.140	9.976	44.116	5.544	49.660	1.614	51.274
1876	3.914	31.328	1.909	33.237	6.094	39.331	4.068	43.397	7.397	50.796	3.176	53.972
1877	4.468	30.809	3.539	34.348	3.164	37.512	6.857	44.369	8.678	53.047	4.493	57.540
1878	1.483	35.724	3.127	38.851	0.890	39.651	5.061	44.712	6.909	51.621	5.119	56.740
1879	3.843	25.805	4.827	31.632	2.596	34.228	4.755	38.983	4.823	43.806	4.029	47.835
1880	3.086	29.534	3.920	33.454	5.712	39.166	4.590	43.756	4.704	48.460	4.393	52.853
1881	3.177	29.935	3.062	32.990	3.105	36.093	4.206	40.301	4.420	44.721	7.034	51.755
1882	5.071	39.936	3.925	43.861	5.914	49.775	7.403	57.178	1.392	58.570	3.452	62.022
1883	3.540	32.909	5.342	38.251	3.864	42.115	5.841	47.956	3.478	51.434	6.478	58.112
1884	8.294	40.510	2.771	43.281	1.788	45.069	3.093	43.162	5.992	54.154	9.124	63.278
1885	5.817	30.735	3.001	33.736	2.497	36.233	6.280	42.513	5.423	47.936	8.693	56.629
1886	6.525	35.414	4.526	39.940	4.459	44.399	2.135	46.534	5.284	51.818	5.469	57.287
1887	2.045	31.578	8.351	39.929	3.308	43.237	3.058	46.295	6.718	53.013	4.122	57.133
1888	5.001	32.528	7.000	39.528	5.331	44.859	6.859	51.718	6.802	58.520	7.774	66.294
1889	2.668	30.315	2.633	32.948	1.399	34.347	4.179	38.526	7.145	45.671	2.988	48.659
1890	2.141	31.006	7.042	38.048	4.534	42.582	6.603	49.185	3.716	52.901	7.202	60.103
1891	4.003	36.147	3.385	39.532	3.032	42.564	9.621	52.205	2.388	54.593	4.076	58.669
1892	2.710	29.372	6.809	36.181	1.744	37.925	3.472	41.397	9.240	50.637	3.053	53.690
1893	4.757	28.836	5.954	34.790	4.391	39.181	5.640	44.821	3.769	48.581	10.167	58.748
1894	1.059	26.595	3.993	30.588	1.010	31.589	3.863	35.461	5.785	41.246	4.562	45.808
1895	3.924	34.463	5.502	39.965	2.491	42.456	5.627	48.083	8.223	56.306	5.846	62.152
1896	8.729	32.050	3.037	35.087	12.092	47.179	15.039	62.218	4.396	66.614	3.248	69.862
1897	3.661	34.819	5.185	40.004	1.169	41.173	0.746	41.919	6.051	47.970	3.521	51.522
1898	3.652	31.512	5.651	37.163	4.158	41.321	4.845	46.166	5.107	51.275	4.066	60.480
1899	5.747	32.451	1.542	33.993	3.201	37.194	6.191	43.385	4.590	47.975	5.038	53.013
1900	1.872	33.117	3.993	37.110	5.043	42.153	7.365	49.518	6.858	56.376	3.321	59.697
1901	1.585	31.529	3.656	35.185	6.872	42.057	4.906	46.963	2.560	49.523	8.573	58.096
1902	1.651	27.132	4.767	31.899	4.657	36.556	4.252	40.808	3.813	44.621	7.293	51.916
1903	4.313	30.085	4.247	34.332	4.237	38.569	6.368	44.937	9.598	54.535	4.590	59.125
1904	2.323	31.454	6.511	37.965	4.502	42.467	5.031	47.498	5.107	52.605	4.589	57.194
1905	1.927	27.794	2.793	30.527	2.753	33.280	1.539	34.819	6.348	41.167	6.268	47.435
1906	6.125	39.392	1.509	40.901	3.374	44.275	3.986	48.261	5.920	54.181	9.958	64.139
1907	3.381	27.697	4.865	32.562	4.260	36.822	5.340	42.162	6.039	48.201	6.715	54.916
1908	5.700	38.054	10.688	48.712	1.413	50.125	3.704	53.829	3.272	57.101	7.769	64.870
	152.384	.....	175.637	.....	147.684	.....	217.089	.....	226.821	.....	217.314	.....
	3.809	.....	4.390	.....	3.092	.....	5.427	.....	6.671	.....	5.433	.....

## Meteorological Notes, Halifax. N. S.

OBSERVATION STATION 88 FT. ABOVE SEA LEVEL, LAT. 44° 39' N., LONG. 63° 36' W.

1908	PRESSURE.				TEMPERATURE.						DIRECTION OF WIND FROM							PRECIPITATION.										
	Mean reduced.	Highest.	Lowest.	Range.	Mean reduced.	Difference from average.	Year's observations.	Highest.	Lowest.	Mean daily average.	N.	N. E.	E.	S. E.	S. W.	W.	N. W.	C.	Total No. of observations.	Amount.	Difference from Average.	Heaviest fall in month.	Days with .01 or more.	No. of fair days.	No. of auroras.	No. of thunder storms	No. of fogs.	
Jan.	29.86	30.42	29.16	1.26	26.5	+2.7	33	47.4	-2.4	17.2	17	4	0	2	3	10	11	15	0	62	6.17	.....	1.01	17	14	0	0	1
Feb.	30.02	30.67	29.26	1.41	24.0	+0.2	....	48.6	-7.3	15.9	20	2	1	4	2	7	12	10	0	58	6.13	+1.52	1.72	17	12	0	0	1
Mar.	30.05	30.54	29.31	1.23	30.6	+0.2	34	51.5	7.5	14.0	23	6	2	5	3	5	13	5	0	62	3.19	-2.27	1.24	17	14	0	0	1
April	29.8	30.41	29.02	1.39	36.4	-3.0	34	65.7	18.1	16.2	21	0	0	4	1	10	7	16	1	60	6.38	+2.12	1.68	13	17	0	0	3
May	29.99	30.55	29.41	1.14	49.8	+1.0	33	77.4	31.1	19.2	12	7	0	9	8	9	5	11	1	62	6.24	+2.04	1.52	10	21	0	1	4
June	29.99	30.40	29.66	0.74	59.7	+1.7	34	85.5	36.6	21.7	9	3	1	3	13	4	16	11	0	60	4.32	+ .51	1.72	9	21	0	1	4
July	30.03	30.35	29.59	0.76	67.1	+2.9	34	89.8	46.9	20.9	13	5	0	3	13	3	14	11	0	62	5.69	+1.84	1.69	10	21	0	1	6
Aug.	30.02	30.35	29.43	0.92	62.6	-2.3	34	80.8	42.0	18.0	19	6	4	1	10	7	8	6	1	62	10.66	+6.33	5.43	14	17	2	0	0
Sept.	30.06	30.37	27.47	0.90	59.6	+0.8	34	79.7	34.3	20.5	18	1	0	2	8	3	10	18	0	60	1.42	-2.42	0.39	9	21	2	1	3
Oct.	30.10	30.52	28.94	1.58	50.3	+1.8	34	71.6	27.4	20.7	20	5	0	4	3	4	7	19	0	62	3.70	-1.81	2.76	8	23	0	0	3
Nov.	29.90	30.50	29.35	1.15	38.6	-0.2	34	55.6	24.6	13.4	14	5	1	4	7	3	8	17	1	60	3.29	-2.35	0.91	18	12	0	0	1
Dec.	29.96	30.38	28.87	1.51	25.7	-3.6	34	53.8	4.6	13.8	24	4	0	3	5	5	5	16	0	62	7.76	+2.44	2.28	15	16	0	0	1

Compiled from the monthly weather review published by the M. and F. Department.

### Highest and Lowest Points Reached at Long Lake and Spruce Hill Lake, 1908.

LONG LAKE.				Monthly precipitation in the City of Halifax.	SPRUCE HILL LAKE.			
1908.	Lowest point during the month.	Highest point during the month.	Precipitation at Chain Lake.		1908.	Lowest point during the month.	Highest point during the month.	Precipitation at Spruce Hill Lakes.
Jan. 1		207.28	6.77	6.172	Jan. 1	363.67		6.77
" 27	205.74				" 13		364.22	
Feb. 14	206.24		4.88	6.112	Feb. 14	363.50		5.33
" 29		207.07			" 29		364.18	
March 1		207.99	3.09	3.129	March 1		364.18	3.75
" 13	206.03				" 23	363.59		
April 6	206.49		6.10	6.373	April 5	363.71		7.77
" 20		207.32			" 30		364.50	
May 2		207.32	5.92	6.248	May 2		364.54	4.60
" 27	206.32				" 29	363.76		
June 15		207.07	3.76	4.320	June 11	363.52		3.81
" 30	206.24				" 17		364.00	
July 18	205.74		5.07	5.700	July 1		363.54	5.95
" 25		206.32			" 31	363.14		
Aug. 9		207.53	8.28	10.658	Aug. 1	363.07		9.74
" 31	206.36				" 9		364.38	
Sept. 1		206.32	1.42	1.413	Sept. 1		363.59	1.75
" 30	204.81				" 30	362.50		
Oct. 1		204.76	3.96	3.704	Oct. 1		362.46	4.28
" 30	203.29				" 30	361.48		
Nov. 14	203.66		3.02	3.272	Nov. 1		361.97	3.05
" 23		204.62			" 15	361.66		
Dec. 3	204.37		6.65	7.769	Dec. 4	361.66		7.78
" 27		206.74			" 17		362.66	

Level of waste weir at Spruce Hill Lake, 363.34 feet above mean low tide.

Level of waste weir at Long Lake, 205.99 feet above mean low tide,

The level of waste weir at Spruce Hill Lake is taken at top of lower tier of stop logs.

## Records Compared 1879-1908.

Year.	Total Precipitation at Chain Lake.	Lowest Level of Long Lake below Waste Weir.		Total precipitation at Spruce Hill Lake.	Lowest Level of Spruce Hill Lake below Waste Weir.		Total precipitation in the City of Halifax.
	Inches.	Feet.	Inches.	Inches.	Feet.	Inches.	
1879....	40.76	4	6 $\frac{1}{2}$	.....	.....	.....	47.70
1880....	51.45	3	10 $\frac{1}{2}$	.....	.....	.....	52.752
1881....	46.65	3	0 $\frac{1}{2}$	.....	2	3	51.755
1882....	56.089	2	6 $\frac{1}{4}$	.....	2	0	62.022
1883....	46.201	4	5 $\frac{3}{4}$	.....	3	3	58.112
1884....	59.252	3	9 $\frac{3}{4}$	.....	2	0 $\frac{1}{2}$	63.278
1885....	47.995	4	5	.....	3	0 $\frac{1}{2}$	56.629
1886....	46.60	2	3	.....	2	0	57.290
1887....	59.82	1	10	.....	3	8 $\frac{1}{4}$	57.253
1888....	68.525	3	5	67.21	2	2	66.294
1889....	46.81	5	11	49.10	4	4	48.659
1890....	59.38	4	2	60.78	3	11 $\frac{3}{4}$	60.103
1891....	57.015	3	6 $\frac{1}{2}$	58.99	2	9 $\frac{1}{4}$	58.669
1892....	58.97	2	11 $\frac{1}{2}$	60.19	2	5 $\frac{3}{4}$	53.690
1893....	57.26	3	11 $\frac{3}{4}$	57.98	2	9 $\frac{1}{2}$	58.748
1894....	47.59	6	4	46.40	4	11	45.808
1895....	56.98	6	7	57.94	4	11 $\frac{1}{2}$	62.152
1896....	70.87	3	1	70.72	3	8	69.862
1897....	55.40	6	3	58.01	2	6 $\frac{1}{2}$	51.522
1898....	74.93	4	5 $\frac{1}{2}$	74.48	2	2	60.480
1899....	58.78	3	9	60.24	2	0 $\frac{1}{2}$	53.013
1900....	70.00	5	6 $\frac{1}{2}$	66.59	4	3 $\frac{1}{2}$	59.697
1901....	62.29	4	5 $\frac{1}{2}$	70.47	4	3	58.066
1902....	59.07	4	9 $\frac{1}{2}$	61.73	2	7 $\frac{1}{2}$	51.916
1903....	64.30	5	10	67.64	3	11	59.125
1904....	62.81	5	10	66.56	3	0	57.195
1905....	50.81	8	4 $\frac{3}{4}$	59.22	7	9	47.794
1906....	66.80	6	3 $\frac{1}{2}$	74.51	4	3	64.139
1907....	52.11	3	6 $\frac{3}{4}$	61.85	2	2 $\frac{1}{2}$	54.916
1908....	58.92	2	8 $\frac{1}{2}$	64.58	1	10 $\frac{1}{4}$	64.870

Rainfall  
only.



## Thousands of Gallons Discharged over Long Lake Waste Weir during 1908.

1908.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.
1	125,341	22,953	85,354	46,453	64,923	44,298	8,113	2,053	16,425			
2	101,887	22,953	74,904	42,170	131,415	46,453	6,929	46,453	13,441			
3	69,852	38,025	64,923	38,025	131,415	46,453	5,807	131,415	10,665			
4	64,923	38,025	55,434	34,026	119,266	46,453	4,742	119,266	6,929			
5	64,923	30,174	46,453	34,026	90,737	46,453	5,807	107,501	3,772			
6	64,923	22,953	38,025	30,174	85,355	28,336	5,807	85,355	2,053			
7	55,434	26,483	38,025	30,174	74,904	28,336	5,807	64,923	726			
8	74,904	26,483	22,953	36,003	64,923	22,953	3,772	74,904	257			
9	96,196	26,483	19,601	50,882	74,904	19,601	1,333	158,000				
10	90,737	22,953	13,441	90,737	85,355	16,425	725	119,266				
11	80,048	19,601	5,807	107,501	101,887	13,441		96,197				
12	80,048	16,425	2,053	107,501	85,355	10,665		85,355				
13	119,265	13,441	725	101,887	74,904	30,174		80,049				
14	113,344	10,665	725	85,355	64,923	85,355		74,904				
15	96,196	13,441	13,441	64,923	55,434	96,197		67,384				34,026
16	74,904	85,355	13,441	64,923	50,882	96,197		67,384				42,170
17	64,923	85,355	10,665	60,117	50,882	85,355		55,434				50,882
18	57,764	90,737	8,113	50,882	46,453	80,049		50,882				46,453
19	57,764	74,904	5,807	85,355	42,170	74,904		46,453				46,453
20	46,452	131,415	3,772	131,415	40,078	64,923		42,170				42,170
21	38,025	154,000	2,053	131,415	38,025	55,434		38,025				42,170
22	34,026	119,266	2,053	119,266	36,003	50,882		36,003				42,170
23	30,173	85,355	3,772	96,197	34,026	34,026		38,025				40,078
24	26,483	74,904	30,174	69,852	30,174	22,953	10,665	38,025				38,025
25	22,953	69,852	64,923	55,434	22,953	22,953	16,425	34,026				34,026
26	22,953	55,434	60,117	55,434	19,601	22,953	16,425	26,483				55,434
27	10,665	80,049	57,764	50,882	16,425	19,601	10,665	24,699				55,434
28	22,953	96,197	55,434	46,453	26,483	16,425	10,665	24,699				50,882
29	30,173	96,197	55,484	50,882	26,483	13,441	8,113	22,953				46,453
30	30,173		55,434	55,434	26,483	10,665	5,807	22,953				46,453
31	30,173		48,091		26,483		3,772	19,601				46,453
<b>Total</b>	<b>1,898,578</b>	<b>1,650,078</b>	<b>958,961</b>	<b>1,933,778</b>	<b>1,839,204</b>	<b>1,252,354</b>	<b>128,379</b>	<b>1,900,750</b>	<b>54,268</b>			<b>806,185</b>

Total for the year, 12,426,565,000

## Consumption of Water on Low Service as recorded by the Venturi Meters.

MONTH.	1906.		1907.		1908.		1909.	
	Total consumption for month.	Average daily consumption.	Total consumption for month.	Average daily consumption.	Total consumption for month.	Average daily consumption.	Total consumption for month.	Average daily consumption.
January ..			297,766,000	9,605,000	248,761,000	8,024,000	212,360,000	6,850,000
February ..			279,068,000	9,966,000	254,301,000	8,769,000	191,131,000	7,043,000
March ..			296,310,000	9,558,000	237,896,000	7,674,000	208,019,000	6,703,000
April ..			278,512,000	9,284,000	197,746,000	6,591,000	202,847,000	8,762,000
May ..			284,394,000	9,174,000	183,502,000	5,919,000	191,750,000	6,186,000
June ..			263,746,000	8,792,000	179,565,000	5,986,000	179,275,000	5,975,000
July ..			237,672,000	7,667,000	*87,768,000	6,269,000		
August ..			239,385,000	7,722,000				
September ..			239,423,000	7,981,000	†124,135,000	6,207,000		
October ..			245,280,000	7,912,000	172,389,000	5,560,000		
November ..			245,862,000	8,195,000	184,882,000	6,163,000		
December ..	9,264,000		252,453,000	8,143,000	205,315,000	6,625,000		
For year ..			3,159,871,000	8,654,000	2,076,260,000	6,763,000		

\*14 days only. †20 days only.

The meters were removed on July 15th and replaced on September 8th, 1908, while the new granite meter house was being built.

## Contracts, 1908-09.

DESCRIPTION.	CONTRACTOR.	Quantity.	Rate.	Amount.	Remarks.
Asphalt .....	Can. At. & Plant S. S. Co.	36,628 lbs	\$ 0 01 per lb.	\$ 366 28	
Bags for street refuse .....	Thos. Forhan & Co.	35	1 85 each.	64 75	
Bath—cutting eel grass .....	T. H. Renner			40 00	
Bath—floating, sale of .....	C. W. Hayward		5 00	5 00	
Bricks .....	Jas. Simmons & Co.	50,000	7 75 per M.	387 50	
Carriers for bags .....	W. N. Brown	12	20 00 each.	240 00	
Cement, White's, 400 lbs. net bbls.	W Stairs, Son & Morrow, Ltd	500 bbls	.5105 per 100lbs	1021 00	
“ Monarch, 87½ lb. bags .....	Eastern Portland Cement Co	300,125 lbs	.5072 “	1522 22	10% for returned bags
“ Rampart, 87½ lb. bags .....	J. C. Calder.	197,050 “	.4775 “	940 91	“ “
City Clocks—maintenance .....	F. C. Ryan		148 00 per an.	148 00	
Coal—City Hall, hard .....	S. Cunard & Co		6 90 per ton.	2,240 lbs.	
“ “ Reserve .....	“		4 85 “	“	
“ Steam roller, Acadia lump .....	“		5 20 “	“	
“ Crusher, Acadia nut .....	“		4 30 “	“	
“ Steam drill, Acadia lump .....	“		5 20 “	“	
“ Stables and workshop, Reserve .....	“		4 85 “	“	
“ Blacksmith shop, Albion slack .....	“		4 75 “	“	
“ Stockyard, hard .....	“		7 20 “	“	
Drain pipe—15 inch pipe .....	Brookfield Bros	240 ft.	45 per ft.	108 00	
“ 6 “ .....	“	600 ft.	11 “	66 00	
“ 4 “ .....	“	222 ft.	08 “	17 76	
“ 9" x 6" junctions .....	“	25	81 each.	20 25	
“ 6" x 6" “ .....	“	25	52½ “	13 13	
“ 6" x 4" “ .....	“	6	52½ “	3 15	
Explosives—Blasting Powder .....	Acadia Powder Co.		07 per lb.		
“ Dynamite .....	“		18 “		
“ Detonators .....	“		55 “		
“ Fuse hanks .....	“		10 each.		
“ Electric fuse .....	“		02½ “		
Ferry house, Point Pleasant Park .....	Walter Lownds		1672 00	1672 00	
Fire extinguishers, Stenfel .....	E. P. Meagher	8	15 00 each.	120 00	

CONTRACTS, 1908-1909.—(Continued.)

DESCRIPTION.	CONTRACTOR.	Quantity.	Rate.	Amount.	Remarks.
Granite— Straight curb.....	John Kline .....	1601.10	\$ 0 75 per l. ft.	\$1201 38	
“ Straight gutter .....	“ .....	2252.4	49 “	1103 64	
“ Corner curb .....	“ .....	59.6	78 “	46 41	
“ Corner gutter .....	“ .....	375.6	68 “	255 34	
“ Straight c. p. curb .....	“ .....	40	5 00 each.	200 00	
“ Cover c. p. curb .....	“ .....		6 00 “	.....	
“ Round M. H. tops .....	“ .....		7 00	.....	
“ Square M. H. tops .....	“ .....	25	6 50	162 50	
“ Square M. H. tops, 4 pcs. ....	“ .....		4 00	.....	
“ Coalhole tops .....	“ .....		6 50	.....	
“ Hatch curbs .....	“ .....		75 per l. ft.	.....	
“ Paving setts .....	“ .....	34 sq. yds.	2 16persq yd	73 44	
“ Corner curb, 2 ft. radius .....	“ .....		2 50 each.	.....	
Hardware .....	H. H. Fuller & Co. ....		Schedule rates.	.....	
Harness, double .....	W. C. Knight .....	1 set	64 00 per set.	64 00	
Lumber, for corporation shops .....	Silliker Car Co., Ltd. ....		1537 32.	1537 32	
Lumber .....	Brookfield Bros .....		Schedule rates.	.....	
Manure, removal of .....	Wm. Yeadon .....		11 00 per an.	11 00	
Painting Police Station .....	Frank Reardon .....		318 00	318 00	
Plumbing corporation workshop .....	Day & Kinsman .....		276 00	.....	
Retaining wall, Vieth Street .....	Hillis & Sons, Ltd. ....		10 00	10 00	Published 1908-9.
Retaining wall, Vieth Street .....	Jas Hillis .....		2 00	2 00	“ “
Roofing corporation workshop .....	Wm. McFatridge .....	341.56 sqs.	4 25 per sq.	1451 63	
Scrap iron .....	Hillis & Son, Ltd. ....		10 00 per ton.	.....	
Special castings .....	Silliker Car Co., Ltd. ....		Schedule rates.	.....	
Sprinkler for water cart .....	Geo. Heaman .....	1 set	75 00 per set.	75 00	
Stone for breaking, crusher .....	Edward Hartnett .....	55,464 bus.	03½ per bus	1941 24	
Stone for breaking, Poor Association.	“ .....	24,903 “	02 “	498 06	
Stone broken .....	Poor Association .....		1067 47	1067 47	
Tar, refined coal .....	A. L. Melvin .....	17 casks.	5 00 per cask	85 00	40 gal. cask.
Tar, refined coal .....	Carritte Patterson Co. ....	2,569½ gals	13 per gals	336 60	



Teams for sprinklers.....	Wm. Parsons, Sr.....		3 85 per day.....	
Truckage of water pipe.....	Robinson Bros.....		60 per ton.....	22 70
Veterinary service.....	Dr. McFatridge.....		2 00 per horse.....	
Valves, 9" double socket.....	Glenfield, Kennedy Co.....	6		123 56
Wheels for water carts—Front large.....	J. H. Mont & Co.....		16 00 each.....	
“ “ Front small.....	“.....		16 00 “.....	
“ “ Hind large.....	“.....		18 00 “.....	
“ “ Hind small.....	“.....		17 00 “.....	
Wheels for flat waggons—Front large.....	“.....		16 00.....	
“ “ Hind large.....	“.....		18 00.....	
Water pipe, 9" C. I. T. & B. joints.....	Wm. Stairs, Son & Morrow.....	75,676 lbs.	32 95 per ton.....	1246 76 12' long, 109 lengths.
Water supply, house, W. of D. V. rd.....	A. D. McDonald.....		Meter rates.....	Published 1908-9.

## Statement of Meters for Year ending April 30th. 1909.

Meters belonging to the Department April 30th, 1908.....				2370
Meters reclaimed during year .....				2
<hr/>				
Total number of meters belonging to the department 30th April, 1909.....				2372
Distributed as follows:—				
In service.....			1146	
In store.....			1177	
In repair shop .....			149	
Private meters in service .....			2	
New meters set during the year .....				
Meters discontinued (cause).....				23
Changed for meters of same size.....				227
Cause—Testing .....				
Not registering .....			146	
Broken or defective dial .....			4	
Leak .....			9	
Frost .....			49	
Burst .....			78	227
Meters tested.....			1813	
Repaired at shop.....			59	
<hr/>				
Repairs—New dial.....	No.	Labor.	Material.	Total.
Main casing .....	4	.92	1.00	1.92
Castiron bottom .....	1	1.15	.....	1.15
Disc piston .....	8	.46	3.00	3.46
Disc spindle .....	3	.23	2.55	2.78
Gear train .....	1	.58	.....	.58
Gear train .....	1	.69	.....	.69
Brass cover.....	1	.69	.....	.69
Burst by frost .....	18	14.49	.....	14.49
Strained by frost.....	4	2.76	.....	2.76
Disc piston warped .....	1	.23	.....	.23
Disc chamber strained .....	1	.69	.....	.69
Gear train strained.....	2	.72	.....	.72
Worm wheel worn .....	3	.69	.75	1.44
Defaced .....	3	.58	.75	1.33
Hands broken .....	5	.29	.20	.49
Dial plate bent .....	1	.23	.....	.23
Screw broken .....	1	.15	.....	.15
Bolts stripped .....	1	.46	.....	.46
	59	24.71	8.25	\$32.96
<hr/>				
Repaired on service .....				15
<hr/>				
Cause—Glass broken .....	No.	Labor.	Material.	Total
Stopping box leaking .....	5	.50	.25	.75
Couplings leaking .....	6	.50	.06	.56
Bottom leaking .....	2	.12	.....	.12
Bottom leaking .....	1	.25	.....	.25
Defaced.....	1	.60	.25	.85
	15	1.97	.56	\$2.53
<hr/>				
Examined .....				9
Examined for accuracy after long use .....				2
Location changed .....				2
Removed on account of vacation of premises.....				9

## Meters in Store April 30th, 1909.

	DIAMETER IN INCHES.										Total
	6"	4"	3"	2"	1½"	1¼"	1"	¾"	⅝"	½"	
Tridents .....	0	0	0	7	4	0	8	0	575	0	594
Lamberts .....	0	0	0	0	0	0	0	0	502	0	502
Siemens .....	4	4	25	5	3	6	13	0	0	56	116
Crowns .....	0	0	0	0	0	0	1	1	1	0	3
Buffalo .....	0	0	0	0	0	0	0	0	2	0	2
Empire .....	0	0	0	0	0	0	0	0	1	0	1
Keystone .....	0	0	0	0	0	0	0	1	1	0	2
Hersey .....	0	0	0	0	0	0	0	0	0	1	1
Worthington .....	0	0	0	0	0	0	0	1	0	0	1
Nash .....	0	0	0	0	0	0	0	0	0	1	1
Disc .....	0	0	0	0	0	0	0	0	0	1	1
Standard .....	0	0	0	0	0	0	0	0	0	1	1
Niagara .....	0	0	0	0	0	0	0	0	0	1	1
	4	4	25	12	7	6	22	3	1082	61	1226

## Meters Owned by City April 30th, 1909.

	DIAMETER IN INCHES.										Total.
	6"	4"	3"	2"	1½"	1¼"	1"	¾"	⅝"	½"	
Tridents .....	0	0	0	27	12	0	24	32	1078	0	1173
Lamberts .....	0	0	0	0	0	0	0	0	901	0	901
Siemens .....	11	17	43	8	5	10	23	34	0	127	283
Crowns .....	0	0	0	0	0	0	1	2	1	0	4
Buffalo .....	0	0	0	0	0	0	0	0	2	0	2
Empire .....	0	0	0	0	0	0	0	0	1	0	1
Keystone .....	0	0	0	0	0	0	0	0	0	1	1
Hersey .....	0	0	0	0	0	0	0	0	0	1	1
Worthington .....	0	0	0	0	0	0	0	0	0	2	2
Nash .....	0	0	0	0	0	0	0	0	0	1	1
Disc .....	0	0	0	0	0	0	0	0	0	1	1
Standard .....	0	0	0	0	0	0	0	0	0	1	1
Niagara .....	0	0	0	0	0	0	0	0	0	1	1
	11	17	43	35	17	10	53	70	1982	134	2372

## City Meters in Service April 30th, 1909.

	DRAINAGE IN INCHES.										Total.
	6"	4"	3"	2"	1½"	1¼"	1"	¾"	½"	¼"	
Trident .....	0	0	0	20	8	0	16	32	503	0	579
Lambert .....	0	0	0	0	0	0	0	0	399	0	399
Siemens .....	7	13	18	3	2	4	15	34	0	71	167
Crown .....	0	0	0	0	0	0	0	1	0	0	1
	7	13	18	23	10	4	31	67	902	71	1146

## Private Meters in Service April 30th, 1909.

	DIAMETER IN INCHES.										Total.
	6"	4"	3"	2"	1½"	1¼"	1"	¾"	½"	¼"	
Siemens .....	0	1	0	0	0	0	0	0	0	0	1
Indicator .....	0	0	0	1	0	0	0	0	0	0	1
	0	1	0	1	0	0	0	0	0	0	2

## Meters in Repair Shop April 30th, 1909.

	DIAMETER IN INCHES.										Total.
	6"	4"	3"	2"	1½"	1¼"	1"	¾"	½"	¼"	
Tridents .....	0	0	0	0	0	0	1	1	19	0	21
Lamberts .....	0	0	0	0	0	0	0	0	0	0	0
Siemens .....	0	0	1	0	0	0	2	0	0	23	26
Crowns .....	0	0	0	0	0	0	1	1	0	0	2
	0	0	1	0	0	0	4	2	19	23	49



## List of Meter Parts in Stock.

PART.	DIAMETER IN INCHES.										Total.
	6"	4"	3"	2"	1½"	1¼"	1"	¾"	5/8"	½"	
								Cast iron	Brass		
Trident bottoms.....								5	8		13
Siemens dials.....	4						8			8	20
Siemens dial hands.	18			6			18			12	54
Siemens dial small.				6			6			12	24
	22			12			32	5	8	32	111

## List of Premises on which Meters have been Installed for the First Time, 1908-1909.

Date of Installation.	Premises.	Size.	Make.	No.	Remarks.
May 2, 1908	9 Argyle Street.....	5/8"	Lambert	355340	
" 2, 1908	49½ Argyle Street.....	"	Trident	449583	
June 23, 1908	125 Agricola Street.....	"	Trident	449605	
Feb. 5, 1909	183 Agricola Street.....	"	Trident	454922	
April 10, 1909	Barrington Street.....	¾"	Siemens	207719	
Jan. 30, 1909	15 Barrington Street.....	5/8"	Trident	454937	
Jan. 21, 1909	309 Barrington Street.....	"	Trident	454926	
Sept. 18, 1908	Barrington Street.....	"	Trident	355043	
April 26, 1909	Bell Road.....	¾"	Siemens	161317	Corp. stables.
July 15, 1908	6 Black Street.....	5/8"	Trident	449601	
Aug. 13, 1908	10 Black Street.....	"	Trident	449604	
Jan. 19, 1909	5 Bland Street.....	"	Trident	454996	
Feb. 4, 1909	42 Brunswick Street.....	"	Trident	454935	
Mar. 24, 1909	33 Buckingham Street.....	"	Trident	453609	
Feb. 12, 1909	147 Campbell Road.....	"	Trident	454924	
Mar. 31, 1909	28 Coburg Road.....	"	Trident	453612	
July 14, 1908	31 College Street.....	"	Lambert	355442	
Feb. 24, 1909	44 Dresden Row.....	"	Trident	454921	
Feb. 25, 1909	49 Dresden Row.....	"	Trident	454968	
May 1, 1908	2 Gas Lane.....	"	Lambert	355074	
Feb. 20, 1909	19 Gerrish Street.....	"	Trident	454920	
May 22, 1908	110 Gottingen Street.....	"	Trident	449620	
Feb. 5, 1909	112 Gottingen Street.....	"	"	454923	
May 2, 1908	76 Grafton Street.....	"	Lambert	355339	
Mar. 30, 1909	53 Grafton Street.....	"	Trident	453611	
May 2, 1908	100 Grafton Street.....	"	Lambert	355195	

LIST OF PREMISES ON WHICH METERS HAVE BEEN INSTALLED FOR  
THE FIRST TIME, 1908-1009.—(Continued.)

Date of Installation.	Premises.	Size.	Make.	No.	Remarks.
May 2, 1908	90 Grafton Street .....	"	Trident	449585	
May 2, 1908	108 Grafton Street .....	"	Lambert	355337	
May 2, 1908	124 Grafton Street .....	"	Trident	449595	
May 2, 1908	144 Grafton Street .....	"	Lambert	355343	
Mar. 18, 1909	169 Grafton Street .....	"	Trident	453873	
Mar. 13, 1909	171 Grafton Street .....	"	"	454969	
Mar. 13, 1909	221 Grafton Street .....	"	"	454920	
Mar. 16, 1909	85-93 Granville Street ...	4"	Siemens	207681	
Mar. 16, 1909	88 Hollis Street .....	3"	"	243462	
April 19, 1909	70 Hollis Street .....	5/8	Trident	453726	
Mar. 27, 1909	107 Hollis Street .....	"	"	194579	
Mar. 16, 1909	81 Jubilee Road .....	"	"	453870	
Feb. 25, 1909	123 Kempt Road .....	2"	Siemens	184060	
July 13, 1908	260 Kempt Road .....	5/8	Trident	239768	
May 22, 1908	41 Lawrence Street .....	"	"	449618	
May 22, 1908	43 Lawrence Street .....	"	Lambert	355303	
Mar. 26, 1909	82 Lockman Street .....	"	Trident	453610	
Mar. 25, 1909	96 Lockman Street .....	"	"	453871	
Jan. 27, 1909	128 Lockman Street .....	"	"	454944	
Feb. 1, 1909	183 Lockman Street .....	"	"	454971	
Jan. 27, 1909	3 Lockman Terrace .....	"	"	454939	
Jan. 29, 1909	4 Lockman Terrace .....	"	"	454936	
June 10, 1908	Margaret's Bay Road.	"	"	449606	McDonald.
Oct. 16, 1909	145 Morris Street .....	"	Lambert	355108	
Jan. 20, 1909	22-24 North Street .....	"	Trident	454925	
Feb. 2, 1909	188 North Street .....	"	"	454928	
April 22, 1909	3 Pepperell Street .....	"	"	453724	
Feb. 18, 1909	100 Queen Street .....	"	"	454998	
May 21, 1908	232 Robie Street .....	"	Lambert	355163	
Dec. 18, 1908	21 Shirley .....	"	"	454933	
May 22, 1908	90 Shirley Street .....	"	Trident	449591	
Aug. 26, 1908	16 South Street .....	"	Lambert	449598	
Aug. 26, 1908	16 South Street .....	"	"	449603	Stable in rear.
May 1, 1908	14 South Hollis Street..	"	"	449584	
May 1, 1908	20 South Hollis Street..	"	"	449582	
May 2, 1908	22 South Hollis Street..	"	"	449578	
May 2, 1908	24 South Hollis Street..	"	"	449588	
May 2, 1908	South Hollis Street..	"	"	449594	Barn.
Mar. 12, 1909	15 South Park Street...	"	"	239776	
May 20, 1908	89 South Park Street...	1/2"	Siemens	207712	
May 1, 1908	9 Spring Garden Road.	5/8"	Lambert	355334	
May 1, 1908	13 Spring Garden Road.	"	"	355344	
May 1, 1908	15 Spring Garden Road.	"	"	355674	
May 2, 1908	41 Spring Garden Road.	"	"	355338	
May 1, 1908	43 Spring Garden Road.	"	"	355196	
May 1, 1909	45 Spring Garden Road.	"	"	355190	
May 2, 1908	49-51 Spring Garden Rd.	"	"	355342	
May 2, 1908	53 Spring Garden Road.	"	Trident	449590	

## LIST OF PREMISES ON WHICH METERS HAVE BEEN INSTALLED FOR FOR THE FIRST TIME, 1908-1909.—(Continued.)

Date of Installation.	Premises.	Size.	Make.	No	Remarks.
May 2, 1908	57 Spring Garden Road.	5/8	"	449593	
May 2, 1908	64 Spring Garden Road.	"	Lambert	355335	
May 4, 1908	66 Spring Garden Road.	"	"	355331	
May 4, 1908	78 Spring Garden Road.	"	"	355332	
May 20, 1908	9 Tobin Street .....	"	"	355448	
May 2, 1908	15 Tobin Street .....	"	Trident	449589	
Oct. 17, 1908	41 Tower Road .....	"	"	354921	
Feb. 16, 1908	9 Uniacke Street .....	"	"	454976	
May 1, 1908	5 Victoria Lane .....	"	"	449587	[gine room.
Sept. 8, 1908	Water Street, Lower..	"	"	194570	Smith wharf, en-
Sept. 8, 1908	Water Street, Lower.	"	"	449632	Stable.
Jan. 21, 1909	Water Street, Lower.	"	"	454928	
Jan. 23, 1909	Water Street, Lower.	"	"	454943	
July 2, 1908	Water Street, Upper.	3	Siemens	243469	Black's wharf.
Aug. 21, 1908	Water Street, Upper.	6	"	162587	Liverpool wharf.
Jan. 22, 1908	144 Water Street, Upper.	5/8	Tridents	454941	
Jan. 22, 1908	177 Water Street, Upper.	"	"	454942	
May 2, 1908	Windsor Street .....	"	"	195748	Silliker Car Co.
May 2, 1908	Windsor Street .....	"	"	195749	"
April 22, 1909	Windsor Street .....	"	"	453728	"
Feb. 19, 1909	71 Windsor Street .....	"	"	454975	
Feb. 19, 1909	121 Windsor Street .....	"	"	454977	
May 22, 1909	129 Windsor Street .....	3/4"	Siemens	207762	
April 14, 1909	117 Windsor Street .....	5/8"	Trident	453610	
May 26, 1908	Young Avenue .....	3/4"	Siemens.	207719	Calnen Atlantic St
April 16, 1909	77 Young Street, East..	5/8"	Trident.	453613	
June 2, 1908	Young Street, West..	"	"	240423	Keefe, I. C. R.

## Premises from which Meters have been Removed during 1908-1909.

Street.	No.	Date.	Size	Meter Make.	No.	Cause.
Argyle .....	49 <sub>2</sub>	Dec. 21, 1908	20	Trident.	449583	Premises destroyed by fire.
Black .....		Nov. 4, 1908	1 1/2	Siemens.	207749	Stables torn down.
Blowers .....	25	April 1, 1909	2	"	207764	Premises vacant.
Carliton .....	36	Jan. 22, 1909	20	Trident.	293719	Removed by owners.
Carlton .....	38	Jan. 22, 1909	"	"	311477	"
College .....	31	July 4, 1908	"	Lambert.	355442	"
Creighton .....		Oct. 13, 1908	1	Siemens.	184070	Branch pipe cut off Joe Howe School.
Gerrish .....	19	Feb. 27, 1909	20	Trident.	454920	Removed by order Deputy-Mayor.
Granville .....		Feb. 17, 1909	2	"	240290	Removed by owners (Herald).
Hollis .....	4	Oct. 20, 1908	20	"	354945	Premises vacant; since replaced.
Hollis .....	83	Feb. 2, 1909	"	"	454989	Removed by owners; since replaced.
Hollis .....	141	Jan. 22, 1909	"	"	87695	Two meters on one service pipe.
Lockman .....	82	April 2, 1909	"	"	453610	Removed by order of Deputy-Mayor.
Morris .....	63	Nov. 30, 1908	"	Lambert.	355020	Premises vacant; since replaced.
Mumford Road .....		Oct. 14, 1908	1 1/2	Siemens.	184065	Dr. Bennett; water turned off.
Pleasant .....	107	Dec. 17, 1908	20	Lambert.	355543	Removed by owner.
Pleasant .....	14	Jan. 9, 1909	"	Trident.	454971	"
Smith .....	4	Dec. 8, 1908	"	Lambert.	355006	"
Victoria Road .....	7	Dec. 8, 1908	"	"	355502	"
Water, Upper .....	181	June 26, 1908	"	Trident.	312727	Taken off for test and owners refused to allow it to be connected again.
Water, Lower, Mkt. wf .....		Sept. 8, 1908	"	"	312724	Premises vacant.
Water, Upper .....		Sept. 16, 1908	1	Siemens.	161327	Liverpool wharf; water turned off.
Water, Upper .....	59	Dec. 8, 1908	20	Trident.	311445	Removed by owners.
Water, Lower .....		Jan. 4, 1909	4	Siemens.	232908	S. & M. : no further use; water turned off.
Young Avenue .....		Nov. 7, 1908	2 1/2	"	207719	Removed by order of Council.
Young Street West .....		Dec. 7, 1908	1	Trident.	240426	I. C. R. Kitchen; contract work finished.







### Concrete Sewer Blocks made at City Lot from Dec. 16th, 1908 to April 28<sup>h</sup>, 1909.

30" sewer 405 blocks = 660.15 c. f. 24 × 36—10 sides = 21.30 c. f.

14 × 21"—704 tops = 1591.04 c. f. 1288 sides = 1442.56 c. f.

12 × 18"—988 " = 1116.44 c. f. 1820 " = 1510.60 c. f. Small invert 1613 = 1629.13

Catchpit Covers 21 = 26.25 c. f.

Number of batches mixed 1137 = 7997.47 c. f. = 7.033 c. f. per batch.

Cost :-

					per batch.
Labor..	7423 hours @ 18 to 20c.	- cost \$1428 49=.	1786c.	per c. ft. =	\$1.256c.
Cement	1408 $\frac{3}{4}$ bush. @ 80c.	"	1126 20	.1408c.	" .990c.
Sand	2254 " @ 4 $\frac{1}{2}$ c.	"	101 43	.0168c.	" .089c.
Gravel	2254 " @ 5c.	"	112 70	.0140c.	" .099c.
Stone	4516 " @ 6c.	"	269 86	.0337c.	" .237c.
Paper	800 lb. @ 3 $\frac{1}{2}$ c.	"	26 00	.0032c.	" .022c.
Soap	158 lb. @ 6 $\frac{1}{2}$ c.	"	12 22	.0015c.	" .010c.
Coal	9 tons. @ \$7 20	"	64 80	.0081c.	" .057c.
Tools.	Interest & depreciation.	"	10 00	.0012c.	" .008c.
Total cost.....		\$3151 70	.3940c.	"	\$2.772.
					\$10.64 per c. yd

The above includes the cost of cleaning moulds, moving and storing blocks and every expense incident to the cost of manufacture except the cost of water used and interest and depreciation of the moulds.

## Cement Concrete Sidewalks 1908.

Size.	Street.	From.	To.	Area sq. yards.	Approx. width, feet.	Length.		Total cost.
						Feet.	Miles.	
West...	Barrington	Buckingham	Hurd	868.54	7-10	928.16	0.18	\$ 1321 01
North	Bell	Water	Westwardly	(See Water St.)	6	74.80	0.01	.....
East	Brenton	Morris	Spring Garden Road	647.92	5	895.45	0.17	1985 72
North	Cogswell	Gottingen	Park	893.76	10	824.04	0.16	1977 80
South	Duke	Hollis	Eastwardly	48.85	8-9	59.37	0.01	89 32
North	George	Granville	Eastwardly	57.93	10	61.39	0.01	120 29
East	Gottingen	North	Northwardly	253.50	9	276.50	0.05	1211 16
West	Hollis	Water	Southwardly	101.85	8	131.53	0.02	208 13
"	Hollis	Salter	Southwardly	172.29	11	111.20	0.02	277 13
South	Salter	Hollis	Westwardly		10	46.12	0.01	
East	Hollis	Salter	Bishop	698.72	7-12	634.18	0.12	977 04
"	Lockman	Cornwallis	North	2555.56	10	2469.20	0.47	3631 66
South	Morris	Park	Queen					
North	Morris	"	Queen	1859.75	8	1918.12	0.36	7271 99
"	Prince	Hollis	Bedford Row	104.28	9	123.10	0.02	354 89
West	Queen	Spring Garden Road	Rottenburg	372.73	7	403.93	0.08	1103 87
"	Queen	Morris	Southwardly	179.05	6	256.84	0.05	261 08
"	Water	Bell	Jacob	312.72	7-9	309.33	0.06	821 89
				9127.45		9522.26	1.80	\$21813 08

### Curb and Gutters Laid 1908.

Street.	Side or (corner)	From (or at).	To.	Curb		Gutter.		Material	Remarks.
				Straight	Corner.	Straight	Corner.		
Brenton .....	E.	Morris .....	Spring Garden Road..	885.5	13.8	885.5	13.8	Concrete	Corner granite.
Gottingen .....	E.	North .....	Admiralty Property..	376.6	15.9	378.0	15.9	Granite.	"
Morris .....	N.	Park .....	Queen .....	194.30	160.2	2398.10	194.0	"	"
" .....	S.	" .....	Pleasant .....						
Prince .....	N.	Hollis .....	Bedford Row .....	12.0		153.2		"	
Queen .....	W.	Spring Garden Road	Rottenburg .....	392.11	15.9	392.11	15.9	Concrete	"
" .....	W.	Morris .....	Southwardly	256.10		256.10		"	

### CORNERS.

Agricola .....	S.W	Sarah .....			15.9		15.9	Granite.	
" .....	"	West .....			15.9		15.9	"	
" .....	N.E	" .....		5.0	15.9	5.0	15.9	"	
Coburg Road ..	S.W	Edward .....		10.0	15.9	10.0	15.9	"	
" .....	"	Henry .....			15.9		15.9	"	
" .....	N.E	" .....			15.9		15.9	"	
Gottingen .....	NW	Almon .....		13.6	15.9	13.6	15.9	"	
" .....	N.E	Kaye .....		13.4	15.9	13.4	15.9	"	
Morris .....	"	Edward .....		9.7	15.9	9.7	15.9	"	
Queen .....	S.W	Rottenburg .....		5.2	15.9	5.2	15.9	"	
Quinpool Road.	"	Louisburg .....		10.9	15.9	10.9	15.9	"	
Robie .....	"	North .....		8.0	15.9	8.0	15.9	"	
" .....	NW	" .....			15.9		15.9	"	
Victoria Road.	N.E	Lucknow .....		6.0	15.9	6.0	15.9	"	
Windsor .....	S.E.	Cunard .....		20.0	28.0	20.0	29.0	"	



## Crossings Laid 1908.

ACROSS.	AT	SIDE.	SINGLE OR DOUBLE.
Agricola.....	Willow.....	South.....	Single.
Armoury.....	Maynard.....	West.....	Single.
Brunswick.....	Hurd.....	South.....	Single.
Charles.....	Robie.....	East.....	Single.
Falkland.....	Creighton.....	".....	Single.
Gottingen.....	Russell.....	North.....	Single.
Harris.....	Agricola.....	East.....	Double.
Lawrence.....	Windsor.....	West.....	Single.
Louisburg.....	Quinpool Road.....	South.....	Double.
Maynard.....	Harris.....	South.....	Single.
Robie.....	Charles.....	North.....	Single.
".....	Welsford.....	".....	Double.
Willow.....	Robie.....	East.....	Single.
Woodill.....	Agricola.....	".....	Double.
Windsor.....	Duncan.....	South.....	Single.

## Catchpits Built 1908.

LOCATION.			No.	Size of Inlet.	Remarks.
Corner or Side.	Street.	At			
N. W.	Agricola	West	1		
N. E.	"	"	1		
N. W.	Bauer	Cogswell	1		
N. W.	Black	Creighton	1		
S. W.	"	"	1		
S. W.	"	Gottingen	1		
S. E.	Coburg Road	Oxford	1		
N. W.	Cogswell	"	1		
S. E.	Edward	Bliss	1		
N. E.	"	"	1		
N. W.	"	"	1		
N. E.	"	Binney	1		
N. W.	"	"	1		
S. W.	"	Coburg Road	1		
N. E.	Gottingen	North	1		
E	Lockman	Bet. Gerrish and Artz.	1		
E	"	Bet. North and Artz.	1		
S. W.	Macara	Gottingen	1		
N. W.	Morris	Brenton	1		
S. E.	"	Letson's Lane	1		
N. E.	"	Dresden Row	1		
S.	"	Opposite Birmingham	1		
S. E.	Oxford	Coburg	1		
N. E.	Plover	Pleasant Place	1		
W.	"	Opp. Pleasant Place	1		
N. W.	Queen	Rottenburg	1		
S. E.	"	Morris	1		
N. W.	South Bland	Atlantic	1		
S. E.	Starr	Hurd	1		
W.	Young Avenue	Bet. Inglis and Atlantic	1		

## Number and Location of New Street Lights installed during 1908-1909.

2000 c. p. Arc Lamps.

No.	Date Installed.	Street.	Location.
354	Dec. 24, 1908.....	Union.....	Between Young Street and Hanover Street.

## Permanent Pavement Laid in 1908.

Street.	LOCATION.		Class of pavement.	Area of pavement in square yards.	Area of track allowance paved with Scoriae blocks.	Miles of pavement.	Max. grade per 100.	Guaranteed period in years.	Guarantee expires.	Cost of work.	Assessment rate per lineal foot frontage.
	From.	To.									
Lockman	Gerrish	140' N. of North.	A	4167.78	3206.00	.30	2.80	10	1918	\$14857 97	\$2 54
"	At North		B	96.47				10	1918		
"	"		C	457.07				10	1918		
Pleasant	Inglis	South	A	2534.83	2800.00	.27	4.40	10	1918	7452 89	1 45
"	At Green	Victoria Lane.	B	108.50				10	1918		
				7364.65	6006.00			57	10	\$22310 86	

A—2 inches asphalt on 1 inch construction coat on 5 inch concrete base.

B—Scoriae blocks on 5 inch concrete base.

C—Granite blocks on 5 inch concrete base.

## Violations of the Building Act Reported to the City Solicitor.

Date of report.	Owner.	Location.	Violation
1908.			
July 15	J. P. Fairbanks .	Hollis St'.....	Window encroachments.
Oct. 14	Nich. Brine ....	Livingston ....	Erecting building without permit.
1909.			
Feb. 8	Arch. King ....	Maynard St...	Erecting building in violation of the Act.
July 29	Margt. Kelly....	Beech St. ....	Erecting building without permit.
Sept. 7	C. W. Nickerson	Quinpool Road	Erecting building in violation of the Act.
"	L. A. Dolan ....	North St.....	Erecting bldg. not in accordance with Act
Sept. 22	R. A. Corbin...	Oak St .....	Erecting building without permit.
Oct. 6	Geo. C. Cook....	Up. Water St.	Erecting building in violation of the Act.
Dec. 11	R. A. Corbin....	Oak St .....	Erecting bldg. not in accordance with Act.



## City Property under Lease 1908-09.

No. of agreement City Engineer's Office.	LOCATION.	To Whom Leased.	Date of Lease.	Rental.	REMARKS.
813	Agricola St., Hatch at No. 47	James Brooks	April 18, 1906	\$0 48 per ann	
785	" " "	Louis W. Dixon	May 15, 1902	48 "	
	Albemarle St.	Isaac Castle		96 00 "	
649	Argyle St., Hatch at No. 29	Frank Reardon	April 12, 1904	48 "	
636	" " 43	Simon Fraser	May 2, 1901	57 "	
635	Barrington St., Hatch at No. 15	J. E. Roy	April 1, 1901	48 "	
644	" " 100-102	H. W. Cameron	May 19, 1902	42 "	
915	" " 22-24	Brander, Morris & Co.	Oct. 16, 1907	25 "	
647	" " 140-142	Imp. Pub. Co.	July 12, 1902	42 "	
634	" " 247	Kenny & Co.	Aug. 27, 1900	1 00 "	
816	" " 255-257	Scotia Pure Milk Co.	Oct. 24, 1906	25 "	
798	" Encroachment at No. 30	St. M's Y. M. T. A. & B. Soc.	Oct. 3, 1906	1 00 "	
797	" " 32	City Club Building Co.	Nov. 30, 1906	1 00 "	
799	" " 34	Church of Eng. Inst.	Aug. 6, 1906	1 00 "	
800	" " 102	R. N. McDonald	July 12, 1905	1 00 "	
603	Bauer St., Encroachment No. 16	Isabel Zwicker	Sept. 20, 1899	1 00 "	Payable October 1.
638	Bedford Row, Hatch at No. 25-27	T. W. P. Flinn (trustee)	June 4, 1901	48 "	
913	Blowers St., Hatch at No. 8	G. G. & J. J. Handley	Sept. 13, 1907	25 "	
641	Bruuswick St., Hatch at No 17	P. Lowrie	Nov. 5, 1901	86 "	
642	" " 77	Clara M. Spencer	March 3, 1902	60 "	
461	Campbell Rd., Railway siding to Imperial Oil Co.'s property	Imp. Oil Co., Ltd	April 20, 1900	1 00 "	Published 1899-00.
556	Charles St., Encroachment	Thos. Ritchie	July 15, 1902	25 "	" 1902-03.
556	" " "	Jno. Johnson, Sr	July 15, 1902	25 "	" 1902.03.
629	Coburg Rd., float & shed on Arm at foot of	Adam Mahar	April 25, 1904	5 00 "	For 5 years.
472	College St., Encroachment	Diocesan Synod	May 31, 1902	1 00 "	
570	Cunard St., Encroachment at 137	Isaac Sallis	Nov. 1, 1885	1 00 "	
470	Dalhousie College, drainage rights	Gov. Dalhousie Col.	Nov. 1, 1886	1 00 "	
523	Duffus St. encroachment	R. B. Moxon	Dec. 16, 1885	25 "	
	" " "	Thos. J. Moxon	Dec. 16, 1886	25 "	

522	"	"	Geo. H. Eisenhauer	Dec	16, 1885	25	"
	"	"	J. F. Walker	June	26, 1875	4 00	"
787	Duke St. hatch		Bank of Montreal	April	2, 1906	1 70	"
653	Dundonald St. encroachment, at No. 9.		E. M. Creighton	Aug.	3, 1903	25	"
651	Fenwick St hatches at No.		W. Walsh	Aug.	6, 1903	25	"
477	Fenwick St. encroachment on sewerage lot		Harlan Fulton	Nov.	1, 1884	5 00	"
929	Ferry Dock		Dartmouth Ferry Co.	April	1, 1890	800 00	"
914	Grafton St. hatch at No. 83		Moirs, Ltd.	Sept.	20, 1907	66	"
814	Granville St. hatch at No. 93		Chronicle Building Co.	Aug.	23, 1906	1 12	"
639	"	108	J. J. Stewart & W. Dennis	Feb.	18, 1901	57 20	"
756	"	139	Amherst Boot & Shoe Co	July	12, 1905	60	"
646	Gottingen St. hatch at No. 78		Peoples' Bank of Hfx.	June	25, 1902	2 19	"
635	"	106	G. Verdi	April	1, 1901	48	"
632	"	201	Edward Coolen	May	13, 1900	25	"
811	"	181	Geo. J. Hiseler	Aug.	6, 1906	42	"
812	"	183	"	Aug.	6, 1906	42	"
955	" encroachment	370	Wm. H. Philips	Oct.	19, 1908	25	"
	Hanover St. boat landing		Chas. Duggan	Dec.	21, 1907	5 00	"
502	Hastings St., north of Doyle St.		Wm. Jakeman	Jan.	11, 1895	2 00	"
640	Hollis St hatches at No. 39		Fraser Bros.	Oct.	23, 1901	48	"
912	"	158-160	Royal Sec. Corpn.	July	4, 1907	36	"
917	"	197	Eastern Trust Co.	March	26, 1908	36	"
	"	235	Acadia Sugar Ref. Co.	Aug.	24, 1900	25	"
	" encroachment Halifax Hotel.		H. Hesselin & Sons.	May	1, 1887	1 00	"
652	"	No. 44	Jas. Dwyer	Aug.	3, 1903	25	"
726	"	90	Bank of Nova Scotia.	Sept.	27, 1904	1 00	"
831	"	102	E. W. O'Donnell	March,	1907	01	"
549	Inglis St. cellar vaults		B. O'Neill	Feb.	28, 1871	£0 1 0	"
918	Jubilee Road, boat landing at Arm.		C. F. Longley	March	31, 1907	5 00	"
936	Kempt Road, City lot.		Thos. Robinson	May	1, 1908	25 00	"
526	Lockman St. encroachment		Caleb Heisler	Aug.	25, 1900	25	"
924	Lockman St. encroachment No. 55		J. M. McGrath	Oct.	15, 1908	25	"
935	Lockman St. encroachment No. 65		Chas M. Smith	Dec.	1908	25	"
517	Morris St. encroachment at No. 99		Jas. Morrow	Nov.	13, 1884	1 00	"
436	Morris St., right of egress and ingress east of Water St		Geo. P. Black	Nov.	25, 1875	5 00	"
484	Morris St., public landing floor of		Alex. Grant	Aug.	1, 1890	1 00	"
	Maitland St. encroachment at No. 20.		Peter R. Allen	July	3, 1905	1 00	"
	Market Wharf, boathouse on.		Geo. Liston	Oct.	1, 1884	5 00	"

Orig. in City Clerk's office.

Pub. 1904-05.  
Pub. 1906-07.

1 year.

Payable 1st Sept.

3 months notice.  
25 years.

## CITY PROPERTY UNDER LEASE 1908-09.

No. of agreement City Engineer's Office.	LOCATION.	To Whom Leased.	Date of Lease.	Rental.	REMARKS.
	Market Wharf, boathouse on.....	Thos Stone.....	Oct. 1, 1884	\$5 00 per ann	
	McLean St., encroachment .....	S. End Lawn Tennis Club	June 12, 1903	1 00 "	
928	North Ferry, landing .....	Geo. Evans .....	July 3, 1908	5 00 "	Dec. 31st, 1913.
431	North St., encroachment cor. Lockman St	Wm. A. Adams .....	Aug. 24, 1899	1 00 "	Payable 3rd Sept.
798	Pipe line 27", encroachment.....	Henderson and Potts	Oct. 4, 1904	1 00 "	
628	Pleasant St., right of drainage.....	Rufus D. Bayers .....	June 27, 1903	50 "	
727	Pleasant St., encroachment at No. 156..	Wm. Cameron .....	July 18, 1904	25 "	Published 1904.05.
911	Prince St., hatch at Nos 11	Acadia Powder Co....	March 7, 1907	28 "	
562	Prince Arthur St., encroachment on east side between Quinpool Road and Norwood St.....	Robt. Pickford.....	Nov. 27, 1890	1 00 "	
927	Quinpool Road, encroachment at No. 2	F. H. Hayward .....	Aug. 20, 1908	25 "	
680	Robie St., encroachment .....	T. J. Doran .....	April 10, 1879	25 "	
801	Sackville St., encroachment at Nos 61.63	W. J. Hames .....	March 3, 1908	1 00 "	
916	Sackville St., hatch at No. ....	G. A. Wootten .....	Nov. 2, 1907	60 "	
597	Salter St., lot east of Water St.....	John Taylor Wood .....	May 18, 1875	1 00 "	3 months notice.
919	South St, float and shed on Arm at foot of	Wm. Robinson .....	Dec. 31, 1907	1 00 per ann	
815	Spring Garden Road, Hatch at No. 30 ..	Wm. J. Hopgood.....	Oct. 15, 1906	25 "	
512	Spruce Hill Lake, Encroachment at the Middle Dam .....	Arch. Kidson .....	May 13, 1899		Published 1899-00.
513	Spruce Hill Lake, Encroachment at Narrows .....	Arch. Kidston .....	Aug. 27, 1900		Published 1900-01.
937	Stayner's Wharf, Encroachment at .....	John Gibson .....	Jan. 2, 1885	1 00 "	
	Stayner's Wharf, lease stores .....	William Grant .....	May 19, 1908	30 00 per mo	Terminable on one
	Stayner's Wharf .....	William Grant .....	May 19, 1908	27 00 per ann	month's notice.
	Stayner's Wharf, lease stores .....	Smith Bros .....	May 1, 1908	14 00 per mo	" "
	Stayner's Wharf, lease stores .....	F. S. Henrion.....	May 1, 1908	11 00 "	" "

597	Wanderers' Grounds.....	W. A. A. C.....	May	1, 1896	100 00	"	20 years.
485	Water St., Cellar Vaults.....	J. F. Avery.....	Oct.	1, 1863	£0 0 1	"	20 years.
648	Water St. (Lower), Hatches at No. 156.	Peter C. Flemming...	Nov.	17, 1902	48	"	
643	Water St. (Upper), Hatches at No. 71.	Furness, Withy Co...	June	4, 1902	5 00	"	
	Water St. (Lower), Hatches at No. 177.	T. J. Egan.....	Jan.	4, 1905	48	"	
931	Windsor St., Encroachment at No. 43.	H. L. Hart.....	Aug.	20, 1908	25	"	
535	Young St., Ry. Siding to Exhibition Grounds .....	Exhibition Com & Min. Railways and Canals	Nov.	20, 1897			Published 1897-98.



## Properties under Lease or Rented by the City of Halifax, 1908-09.

File number in City Engineer's Office.	Location.	Lessor.	Date.	Expires.	Rental.	Printed in Annual Report.
	Brunswick St.—Storage water cart .....	Est. J. M. Geldert...	May 1, 1908..	May 1, 1909..	\$ 30 00 .....	
832	Brunswick St.—Storage water cart .....	J. D Spencer .....	" "	May 1, 1909..	30 00 .....	
	Camp Hill—Three electric light poles .....	Minister of Militia and Defence .....	Oct. 1906..	1 mos notice .....		1906-7
834	Citadel Promenade—Drive around Citadel..	" "	May 1, 1906..	May 1, 1911..	25 cts.	1906-7
833	Citadel—Town Clock .....	" "	July 19, 1906..	Perpetual lease .....		1906-7
600	Common—Structure in City Storeyard .....	War Department .....	Dec., 1899..	1 mos. notice .....		1899-1900
594	" Gardener's residence & structures.	" "	" "	" "		1899-1900
835	" Drinking fountain N. Park St....	" "	Jan. 2, 1905..	" "		1905-6
	Green Bank—Sewer outlet .....	" "	Aug. 8, 1900..	" "	£1 0 0	1900-1
452	Harvey Street—North side .....	Ladies' College .....	July 22, 1901..	July 1, 1921 ..	\$ 1 00	1901-2
	Grafton Street—Storage for water cart .....	Halifax Transfer Co. .....		7 months .....	35 00 .....	
	North Ordinance—Floating bath mooring .....	War Department .....	Nov. 30, 1899..	Yearly .....	£0 1 0	1898-9
	North Slip .....	Lord High Admiral.	Dec. 1, 1864 ..	Dec. 1, 1963..	0 1 0	1899-1900
	Pipe line—Right-of-way .....	H. H. Cogswell .....	Sept. 1, 1847..	Sept. 1, 1946..	0 5 0	1899-1900
	Pipe line—Right-of-way .....	Geo. Welsman .....	Aug. 28, 1900..	" "		1900-1
	Point Pleasant Park .....	War Department .....	Dec. 31, 1873..	999 years .....	£0 1 0	1899-1900
	Queen St—Encroachment at engine house .....	War Department .....	Aug. 27, 1902..	1 mos. notice ..	0 1 0	1903-4

### Properties Acquired by the City of Halifax, 1908-1909.

File number City Engineer's Office.	Location.	By whom Deeded.	Date.	Con- sideration.	Registry of Deeds.	
					Book.	Page.
939	Water St., lower N. W. corner Bishop St ...	John McInnis & Son, Ltd ...	18th Nov., 1908	\$1 00	396	228
940	South St., S. W. corner Robie St ... ..	Annie B. Flowers ... ..	13th June, 1907	1 00	393	260

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**Properties acquired by the City of Halifax 1908-09,**

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The following properties were acquired by the City of Halifax during the year 1908-09.

A lot of land from Annie B. Flowers on the west side of South Street at the south-west corner of Robie Street was acquired for the purpose of widening South Street. The description contained in the deed is as follows :—

All that lot of land situate, lying and being at the south-west corner of Robie Street and South Street in the City and County of Halifax, the said lot being more particularly described as follows :—

Beginning at a point formed by the intersection of the south line of South Street with the west line of Robie Street, thence westerly by the said south line of South Street for a distance of 30 feet, more or less, or until it meets the western boundary of the said Henry Flowers' property ; thence southerly along the said western boundary for a distance of ten feet ; thence easterly by a line in prolongation of the south line of property purchased from J. J. Bremner by the City for a distance of thirty feet more or less, or until it meets the west line of Robie Street ; thence northerly by the said west line of Robie Street to the place of beginning.

The said lot being shewn colored red on the attached plan, a copy of which is filed in the City Engineer's office at Halifax as Plan Number 1820.

The consideration of the above lot was one dollar, and the deed is recorded in the Registry of Deeds office in Book 393, page 260 and filed in the City Engineer's office as No. 939.

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A lot of land from John MacInnes & Son, Limited, on the west side of Lower Water Street at the north-east corner of Bishop Street was acquired for the purpose of widening Water Street. The description contained in the deed is as follows :—

All that lot, piece or parcel of land situate, lying and being on the west side of Lower Water Street in the City and County of Halifax, the said lot being more particularly described as follows :—

Beginning at a point formed by the intersection of the west line of Lower Water Street with the north line of Bishop Street, thence westerly by the said north line of Bishop Street for a distance of three feet more or less or until it meets the front of the concrete building at present standing on the lot; thence northerly by the line of said concrete building until it meets the north boundary of the property belonging to the said John MacInnes & Son, Limited; thence easterly by the said north boundary seven feet four inches, more or less, or until it comes to the west line of Lower Water Street; thence southerly by the said west line of Lower Water Street to the place of beginning. The above described lot being all that portion of the lands belonging to John MacInnes & Son, Ltd., lying to the eastward of the concrete building at the northwest corner of Bishop Street and Lower Water Street, together with all and singular the easements, tenements, hereditaments and appurtenances to the same belonging, or in anywise appertaining, with the reversion and reversions, remainder and remainders, rents, issues and profits thereof, and all the estate, right, title, interest, claim, property and demand both at law and in equity of the said grantor of, in, to or out of the same, or any part thereof. To have and to hold the said land and premises, with the appurtenances and every part thereof unto the said grantee to its sole use, benefit and behoof forever.

The consideration of the above lot was one dollar. And the deed is recorded in the Registry of Deeds Office Book, 396, page 228, and filed in the City Engineer's Office as No. 940.

### Report of City Electrician for Year 1908-09.

APRIL 30th, 1909.

F. W. W. DOANE, ESQ.,

*City Engineer :*

DEAR SIR,—I beg to submit herewith my annual report for the civic year 1908-09.



### WIRE INSPECTION.

The Board of Wiring Examiners held four meetings during the year, issuing six wiremen's licenses, two of which were new, and the balance renewals. New licenses were granted to D. F. and H. P. Oland and H. W. Tremaine.

Eight candidates were examined for proficiency in wiring, five of which were granted certificates and three rejected. The successful candidates were J. Fassett, D. C. Skillen, A. E. Suger, A. J. Twilly and H. S. Ferguson. The last named received his certificate on time service, as provided by the ordinance.

During the year 490 wiring permits were issued, a total of 1012 inspections and tests were made, and 536 service connection permits were issued.

Considerable difficulty is experienced in obtaining requisitions for permits promptly, in some cases work being entirely finished before this office has any knowledge of work being done.

Another difficulty recently arisen is the sale by auctioneers and others not in the wiring business of electric fittings, such as table lamps, that are fitted with inferior cord attachments. These lamps are taken home and used by purchasers without the knowledge of the inspection department.

### PIPE THAWER.

Owing to the absence of prolonged cold weather the electric pipe thawing apparatus was not used during the past winter.

### WATER PIPE TEST.

A series of voltmeter readings were taken over the street railway line in July. In most cases the difference of potential was very slight as between rails and water pipe. The highest reading was obtained at Morris and Water Streets, near the power house, where a difference of potential of two volts was observed, with pipe positive to rail. If this location shows no improvement in the near future