

## Meters in Stock.

No. of Pieces.	Size in Inches.	DESCRIPTION.	Value of each.	Total Value.
7	6	Siemen's Meters .....	\$143 42	\$1003 94
2	4	“ .....	86 75	173 50
2	2	“ .....	44 65	89 30
1	1 $\frac{1}{2}$	“ .....	34 42	34 42
6	1 $\frac{1}{4}$	“ .....	29 16	174 96
6	1	“ .....	21 50	129 00
3	$\frac{3}{4}$	“ .....	15 50	46 50
8	2	Trident Meters .....	62 60	500 80
11	1 $\frac{1}{2}$	“ .....	37 60	314 60
2	1	“ .....	17 60	35 26
126	$\frac{1}{2}$	“ .....	11 97	1508 22
1	$\frac{1}{2}$	Nash Meters .....	14 49	14 49
1	$\frac{1}{2}$	Empire Meters .....	14 49	14 49
1	$\frac{1}{2}$	Disc Meters .....	12 34	12 34
1	$\frac{1}{2}$	Hersey Meters .....	21 05	21 05
1	$\frac{1}{2}$	Niagara-Buffalo Meters .....	13 19	13 19
2	$\frac{1}{2}$	Frost Meters .....	31 42	62 84
3	$\frac{1}{2}$	Crown Meters .....	49 25	147 75
				\$4296 65

## Miscellaneous.

Number.	DESCRIPTION.	Value of each.	Total Value.
1	Pipe tapping machine .....		\$ 127 60
1	5 H. P. steam engine and pump .....		625 00
1	4 H. P. gas engine .....		475 50
3	Derrick winches .....	\$ 7 00	21 00
2	Hand winches .....	8 00	16 00
2	Platform scales .....	25 00	50 00
	Tape packing for meters .....		65 00
1	Tapping and boring machine .....		80 00
3	Lathes .....		200 00
5	Pressure gauges .....	10 00	50 00
	Blacksmith's tools .....		150 00
			\$186

## Recapitulation.

DESCRIPTION.	No. of Pieces.	No. of Pounds.	Value.
Pipes .....	2699	592334	\$13079 15
Specials .....			3093 23
Joint Staves .....	12500		162 50
Valves .....	119		2856 96
Meters .....			4296 65
Miscellaneous .....			1860 10

## Rented Domestic Hydrants.

STREET.	LOCATION.
Cedar .....	N. E. corner Louisburg St.
Wellington .....	S. W. corner Lundy Lane.
Duncan .....	N. side.
Duncan .....	N. E. corner Harvard St.
Preston .....	S. W. corner Jubilee Road.
Tower Road .....	At Fay's Lane.
Duffus .....	Corner Gottingen St.
Oak .....	S. E. corner Beech St.
Sullivan .....	Opposite May's Brewery.
Atlantic .....	Corner Brussels St.
Mott .....	Corner Seldon St.
Yale .....	East end.

## Free Pumps Maintained by City.

No.	LOCATION.
1	Leahyville.
1	Lady Hammond Road.
1	Kempt Road.
1	Duffus Street.
1	Africville.
1	North Kline St.
1	Campbell Road.
1	West Harvey St., for Haley.
1	Quinn St.

## Hydraulic Hoists in Operation, 1903.

NAME.	Business.	Size of Service.	How Rated.
Dominion Government .....	Post Office .....	3 inch .....	Meter.
Dominion Government .....	Appraisers' Office .....	3 " .....	"
G. M. Smith .....	Dry Goods .....	4 " .....	"
Wm Stairs, Son & Morrow .....	Hardware .....	4 " .....	"
Dillon Bros. ....	Groceries .....	3 " .....	"

## Motors.

NAME.	Business.	Size of Service.	How Rated.
Brunswick St. Church (Methodist) .....	Organ .....	2 inch .....	Indicator.

## Drinking Fountains, 1903.

No.	LOCATION.
1	Market Square.
1	St. Paul's St., near Barrington St.
2	Public Gardens.

## ORNAMENTAL FOUNTAINS.

3	Public Gardens.
1	Grand Parade.

## Service Pipes Laid in 1903.

Number.	Name of Owner or Agent.	Location of Premises.	No. of Stopcock.	Size of Pipe.	Purpose for which Water is used.
1	Jas. Rankine.....	W. side Albert.....	6805	1/2 inch	Dwelling.
2	Moir, Son & Co.....	E. " Grafton.....	6806	1/2 inch	Factory
3	Dr. Mader.....	N. " Morris.....	6807	1/2 inch	Dwelling.
4	T. H. Gough.....	S. " Almon.....	6808	1/2 inch	"
5	Thos. Chambers.....	S. " West.....	6809	1/2 inch	"
6	Florence J. Fenton.....	S. " Uniacke.....	6810	1/2 inch	Coach House.
7	L. R. Kaye.....	W. " Campbell Road.....	6811	1/2 inch	Dwelling.
8	Jas. Rankine.....	W. " Albert.....	6812	1/2 inch	"
9	Thos. Roper.....	W. " Mitchell.....	6813	1/2 inch	"
10	T. E. Johnston.....	S. " E. Young.....	6814	1/2 inch	Barn.
11	Geo. Young.....	N. " Williams.....	6815	1/2 inch	Dwelling.
12	R. Moxon.....	N. " Roome.....	6816	1/2 inch	"
13	Wm. Jackson.....	W. " Beech.....	6817	1/2 inch	"
14	Mrs. John Nicholson.....	E. " Parker.....	6818	1/2 inch	"
15	Albert Burbridge.....	S. " Duncan.....	6819	1/2 inch	"
16	M. Morrow.....	W. " Francklyn.....	6820	1/2 inch	"
17	G. F. Ring.....	W. " Tower Road.....	6821	1/2 inch	"
18	G. F. Ring.....	W. " Tower Road.....	6822	1/2 inch	Bakery.
19	Roman Catholic College.....	W. " Windsor.....	6823	1/2 inch	College.
20	School Commissioners.....	S. " Quinpool Road.....	6824	1/2 inch	School.
21	Mary Cahill.....	E. " Pleasant.....	6825	1/2 inch	Dwelling.
22	Frauk Delaney.....	N. " Summit.....	6826	1/2 inch	"
23	Exhibition Commission.....	N. " Almon.....	6827	1/2 inch	Stables.
24	Wardens St. George's Ch.....	N. " Cornwallis.....	6828	1/2 inch	Church.
25	A. R. Paul.....	N. " Williams.....	6829	1/2 inch	Dwelling.
26	Eliza McLellan.....	W. " Campbell Road.....	6830	1/2 inch	"
27	E. Power.....	W. " Union.....	6831	1/2 inch	"
28	A. King.....	E. " Clifton.....	6832	1/2 inch	"
29	Wm. Wilson.....	W. " Lockman.....	6833	3/4 inch	Hotel.
30	Mary Johnston.....	W. " Edward.....	6834	1/2 inch	Dwelling.
31	Thos. Devaney.....	N. " Almon.....	6835	1/2 inch	Shop & Dwelling.
32	Wm. Taylor.....	W. " Robie.....	6836	1/2 inch	Dwelling.
33	Robert Flynn.....	W. " Edward.....	6837	1/2 inch	"
34	Exhibition Commission.....	N. " Almon.....	6838	1/2 inch	Stables.
35	S. M. Brookfield.....	N. " Owen.....	6839	1/2 inch	"
36	S. A. Heisler.....	E. " Lockman.....	6840	1/2 inch	Dwelling.
37	S. A. Heisler.....	E. " Lockman.....	6841	1/2 inch	"
38	R. G. Wilson.....	N. " Victoria Road.....	6842	1/2 inch	"
39	Thos. Everley.....	W. " Clifton.....	6843	1/2 inch	"
40	Wm. Wilson.....	N. " Macara.....	6844	1/2 inch	"
41	A. McNeil.....	W. " Tower Road.....	6845	1/2 inch	"
42	R. Jenkins.....	W. " S. Bland.....	6846	1/2 inch	"
43	Jas. Higgins.....	N. " Charles.....	6847	1/2 inch	"

## SERVICE PIPES LAID.—(Continued).

Number.	Name of Owner or Agent.	Location of Premises.	No. of Stopcock.	Size of Pipe.	Purpose for which Water is used.
44	J. W. Lewin.....	E. " Chestnut.....	6848	$\frac{1}{2}$	Dwelling.
45	J. E. Hughes.....	E. " Chestnut.....	6849	"	"
46	Rev. Dean Gilpin.....	Honey's Lane, S. s. North.	6850	"	"
47	Geo. C. Brown.....	W. " Edward.....	6851	"	"
48	M. Ungar.....	W. " Barrington.....	6852	2	Laundry.
49	Jas. Taylor.....	E. " Birmingham.....	6853	$\frac{1}{2}$	Dwelling.
50	Annie Thomson.....	S. " W. Young.....	6854	"	"
51	Annie Thomson.....	S. " W. Young.....	6855	"	"
52	War Department.....	E. " Gottingen.....	6856	1	Latrine.
53	War Department.....	E. " Gottingen.....	6857	1	"
54	Wm. Yeadon.....	N. " Macara.....	6858	$\frac{1}{2}$	Dwelling.
55	Robert Thomson.....	S. " W. Young.....	6859	"	"
56	A. V. J. Smith.....	W. " Clifton.....	6860	"	"
57	C. A. & Plant Co.....	S. " Plant wharf.....	6861	$\frac{1}{2}$	Warehouse.
58	Old Ladies' Home.....	E. " Creighton.....	6862	$\frac{1}{2}$	Dwelling.
59	Clayton & Sons.....	W. " Gottingen.....	6863	"	"
60	John Barnes.....	S. " South.....	6864	"	"
61	R. S. Davison.....	E. " Windsor.....	6865	"	"
62	J. A. Nicholson.....	E. " Parker.....	6866	"	"
63	Geo. Harvey.....	W. " Gottingen.....	6867	"	"
64	Geo. Harvey.....	W. " Gottingen.....	6868	"	"
65	Geo. Hartlen.....	W. " School.....	6869	"	"
66	E. Maxwell.....	N. " Jubilee Road.....	6870	"	"
67	E. Maxwell.....	N. " Jubilee Road.....	6871	"	"
68	Wm. Neville.....	E. " Hollis.....	6872	1	Billiard Room.

## Detailed Precipitation for the Year 1903.

CITY OF HALIFAX.												
Day.	January.		February.		March.		April.		May.		June.	
	Dura- tion.	Inches.	Dura- tion.	Inches.	Dura- tion.	Inches.	Dura- tion.	Inches.	Dura- tion.	Inches.	Dura- tion.	Inches.
1					2.0	.182	3.3	.273				
2						T.						
3	12.0	.530	7.25	.310		T.	11.30	.900				
4	7.0	.034	5.25	.216			2.0	.031		T.		
5	10.75	.279	6.5	.252	1.50	.030	16.0	.449		T.		
6	9.5	.340		T.	12.5	.410			19.0	.150	3.0	.190
7	3.3	.240					2.50	.050			6.1	.011
8	9.3	.320			2.0	.080	24.0	1.551	3.0	.052	24.0	.018
9	10.9	.100	.7	.170	24.0	1.372	19.5	.499			24.0	.038
10	7.5	.180		T.	3.0	.150					24.0	.342
11	1.5	.020			13.0	.170	4.6	.04			17.0	.188
12	5.30	1.200	7.0	.662	3.0	.400						
13			2.5	.010			.9	.020			10.0	.222
14											24.0	.290
15		T.									2.0	.010
16			3.0	.090			5.3	.032				
17	5.0	.090	14.0	.540	6.0	.026	17.0	.576				
18		T.			7.7	.077	7.50	.257				
19		T.	7.0	.280	3.5	.060	9.90	.328				
20					1.0	.010			2.5	.110		
21	5.0	1.025		T.	9.50	.022			.5	.010		
22	5.5	.115	10.75	.470	12.50	.229			15.6	.292		
23	4.0	.090			9.50	.040						
24					24.0	.836	14.3	.383				
25				T.	8.5	1.060	2.0	.108			5.0	.984
26											7.1	.660
27							1.0	.018				
28			13.50	.712		T.			1.0	.020		
29	4.0	.052			11.3	.380			5.50	.042		
30	22.0	.317									16.0	.540
31	10.0	.150			15.50	1.760						
Total		5.082		3.712		7.294		5.515		.676		3.493

## DETAILED PRECIPITATION FOR THE YEAR 1903.—(Continued).

CITY OF HALIFAX.												
Day.	July.		August.		September.		October.		November.		December.	
	Dura- tion.	Inches.	Dura- tion.	Inches.	Dura- tion.	Inches.	Dura- tion.	Inches.	Dura- tion.	Inches.	Dura- tion.	Inches.
1					8.9	.650		T.				
2		.012									9.75	.670
3											24.0	.220
4											16.5	.582
5					0.25	.030	12.3	.500	5.25	.270		
6	3.25	.008	7.0	.050	4.9	1.732			10.4	.370	7.3	.150
7	11.0	.170	6.0	.064	4.5	.003			17.75	.689		
8	24.0	.02			6.5	.060					1.5	.008
9	12.00	.005		T.								
10		T.	11.3	.765							6.7	.413
11	5.0	.120					19.0	1.238				
12			17.2	.038			24.0	1.712	10.5	2.002		T.
13	13.0	.020		T.			24.0	.517			9.5	.895
14	23.50	.327					8.0	.042	6.5	.056	0.25	.003
15			6.0	.138					4.25	.300		T.
16				T.	3.0	.010				T.		T.
17					3.0	.005	11.5	.040	19.5	.563		T.
18			3.5	.120	4.1	.014	24.0	1.584	24.0	1.990		
19	23.5	.259					1.0	.005	8.5	.200		
20	23.0	.271	9.5	.290								
21	3.5	.006	8.0	.111	10.5	.926					5.00	.320
22					5.0	.100					6.75	.204
23	6.0	.338							22.00	.802		
24	1.0	.242			7.25	.534	4.3	.180	5.50	.210		
25											24.00	.400
26	16.0	.381					13.0	.550	5.0	.270	3.5	.030
27	6.0	.173						T.	2.50	.100	9.3	.190
28		T.			1.25	.173			13.0	.792	7.5	.220
29	1.0	.020							4.0	.582		
30	8.50	1.880							1.3	.402	5.75	.280
31			15.5	2.671								
Total	4.313		4.247		4.237		6.368		9.598		4.590	

Total for the year ..... 59.125

## Detailed Precipitation for the Year 1903.

Day.	CHAIN LAKE.											
	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			.24	.32			.04		1.65			
2												
3	.36	.31		.75								1.43
4	.89	.24		.22								.53
5		.50		.46					.09	.42	.03	
6			.72	.09	.32	.20		.04	.96	.15	.19	.21
7	.97					.30	.16	.12			1.07	
8	.45			1.39	.04		.21		.03			.07
9	.09	.33	1.42	.74		.02						
10			.34			.21		.96				.56
11						.40	.13			1.30		
12	.13	.80	.60					.10		.99	2.53	.04
13							.03	.03		1.16		.58
14						.38	.35			.10	.03	.34
15						.20		.11			.40	
16		.16				.10						
17		1.13	.02	.87						.07	.57	
18	.15		.13	.32				.15	.03	1.73	1.25	
19		.32	.06	.32			.24			.04	.67	
20							.40	.39				
21	.06		.06		.12		.02	.12	.83			.38
22	1.25	.60	.08		.33				.32			.18
23	.10		.19				.30				.78	.06
24			.80	.40					.63	.31	.25	
25			.95	.16		.14	.05					.42
26						1.71	.42			.47		
27						.02	.21			.12	.16	.10
28		.55			.03				.20		1.08	.19
29	.05		.50		.06		.02					
30	.19					.54	2.10				1.02	.85
31			1.36					1.70				
Total	4.69	4.94	7.47	6.04	.90	4.22	4.68	3.72	4.74	6.80	10.16	5.94

Total for the year ..... 64.30 inches.



## DETAILED PRECIPITATION FOR THE YEAR 1903.—(Continued).

Day.	SPRUCE HILL LAKE.											
	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				.06			.04		1.41			
2		.31										.74
3	.70			.77								.74
4	.47	.78		.16	.02							.57
5	.12	.04	.36	.31	.12	.20		.03		.50		
6	.84		.39		.07	.02	.10	.03	1.27	.27	.31	.12
7	.28			.61	.04		.14	.10	.04		1.12	
8	.26	.32	.81	1.36		.01	.02		.04			
9	.15		1.03	.37		.07						
10						.19	.14	.91		.22		.50
11	.16	.38	.81			.24				.85		
12	.06	.37		.08				.10		1.17	2.69	
13							.03	.04		1.41		.36
14						.30	.31			.06		.61
15						.36					.17	
16		.71		.12		.05						
17		.37	.11	.81						.10	.61	
18	.18	.41						.16	.04	1.77	1.43	
19			.05	.34			.22			.10	.76	
20					.10		.72	.31				
21	1.39	.46	.10		.07			.14	1.12			.43
22		.22	.24		.26				.07			.14
23	.16		.84				.29				.93	.02
24			1.24	.43			.02		.62	.32	.26	
25				.16		.32						.33
26					.03	1.04	.37			.41		.07
27				.03	.05		.30			.17		.22
28	.10	1.01	.47						.18		.10	.46
29	.19				.02		2.43				.11	
30	.30		.31			.61					1.04	.89
31	.06		1.58					2.58				
Total.	5.42	5.98	8.34	5.61	.78	3.41	5.13	4.40	4.79	7.35	10.23	6.20

Total for the year.....67.64

## Total Precipitation for the Year 1903.

1903.	CHAIN LAKE.				SPRUCE HILL LAKE.				CITY OF HALIFAX.			
	Snow.	Melted Snow.	Rain.	Total.	Snow.	Melted Snow.	Rain.	Total.	Snow.	Melted Snow.	Rain.	Total.
January .....	17½	2.19	2.50	4.69	22½	2.97	2.45	5.42	13.7	1.650	3.432	5.082
February .....	24	2.76	2.18	4.94	21½	3.26	2.72	5.98	16.9	1.690	2.022	3.712
March .....	9½	1.22	6.25	7.47	8½	1.22	7.12	8.34	6.1	.820	6.474	7.294
April .....	½	.09	5.95	6.04	1¾	.41	5.20	5.61	.8	.112	5.403	5.515
May .....			.90	.90			.78	.78			.676	.676
June .....			4.22	4.22			3.41	3.41			3.493	3.493
July .....			4.68	4.68			5.13	5.13			4.313	4.313
August .....			3.72	3.72			4.40	4.40			4.247	4.247
September .....			4.74	4.74			4.79	4.79			4.237	4.237
October .....			6.80	6.80			7.35	7.35	T.		6.368	6.368
November .....	6¾	1.07	9.09	10.16	5	.98	9.25	10.23	3.7	.370	9.228	9.598
December .....	18	2.43	3.51	5.94	18	3.12	3.08	6.20	13.8	1.380	3.210	4.590
Total .....	76	9.76	54.54	64.30	77¾	11.96	55.68	67.64	55	6.022	53.103	59.125

All amounts in inches. Returns for City of Halifax compiled from records of Dom. Meteorological Agent.

Rain fell on..... 134 days.

Snow fell on..... 36 days.

Rain and snow fell on..... 9 days.

### Highest and Lowest Points Reached at Long Lake and Spruce Hill Lake, 1903.

LONG LAKE.					SPRUCE HILL LAKE.			
1903.	Lowest point reached during the month.	Highest point reached during the month.	Monthly precipitation in inches at gauge at Chain Lake.	Monthly precipitation in inches in City of Halifax.	1903.	Lowest point reached during the month.	Highest point reached during the month.	Monthly precipitation in in. at gauge at Spruce H. Lake
Jan. 5	206.41				Jan. 3	362.38		
" 21	205.95		4.69	5.082	" 23		362.88	5.42
Feb. 1		205.99			Feb. 1		362.74	
" 28	205.53		4.94	3.712	" 28	362.22		5.98
Mar. 4	205.99				Mar. 1	362.50		
" 26		206.74	7.47	7.294	" 31		363.71	8.34
April 1		206.74			April 9		364.46	
" 30	205.99		6.04	5.515	April 30	363.98		5.61
May 1		205.95			May 1		363.98	
" 31	204.29		.90	.676	" 31	362.74		.78
June 1		204.20			June 1		362.76	
" 25	202.76		4.22	3.493	" 25	361.70		3.41
July 1		202.91			July 1		361.80	
" 29	201.39		4.68	4.313	" 29	360.74		5.13
Aug. 1		202.15			Aug. 1		361.16	
" 31	200.33		3.72	4.247	" 30	360.09		4.40
Sept. 5		202.41			Sept. 2		360.55	
" 30	200.99		4.74	4.237	" 30	359.80		4.79
Oct. 10	200.15				Oct. 10	359.42		
" 21		203.29	6.80	6.368	" 20		360.59	7.35
Nov. 6	202.91				Nov. 5	360.12		
" 30		206.63	10.16	9.593	" 30		362.18	10.23
Dec. 1		206.57			Dec. 1	362.22		
" 31	205.43		5.94	4.590	" 15		362.76	6.20
			64.30	59.125				67.64

Level of waste weir at Spruce Hill Lake . . . . . 363.34 feet above mean low tide.  
 " " Chain Lake . . . . . 205.99 " "

## Records Compared 1879-1903.

Year.	Total precipitation at Chain Lake.	Lowest Level of Long Lake below Waste Wier.		Total precipitation at Spruce Hill Lake.	Lowest Level of Spruce Hill Lake below Waste Wier.		Total precipitation in the City of Halifax.
	Inches.	Feet.	Inches.	Inches.	Feet.	Inches.	Inches.
1879.....	40.76	4	6½	.....	..	..	47.70
1880.....	51.45	3	10½	.....	..	..	52.752
1881.....	46.65	3	0½	.....	2	3	51.755
1882.....	56.089	2	6½	.....	2	0	62.022
1883.....	46.201	4	5½	.....	3	3	58.112
1884.....	59.252	3	9¾	.....	2	0½	63.278
1885.....	47.995	4	5	.....	3	0½	56.629
1886.....	46.60	2	3	.....	2	0	57.290
1887.....	59.82	3	10	.....	3	8¼	57.253
1888.....	68.525	1	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	11¾	60.103
1891.....	57.015	3	6½	58.99	2	9¼	58.669
1892.....	58.97	2	11½	60.19	2	5¾	53.690
1893.....	57.26	3	11¾	57.98	2	9½	58.748
1894.....	47.59	6	4	46.40	4	11	45.808
1895.....	56.98	6	7	57.94	4	11½	62.152
1896.....	70.87	3	1	70.72	3	8	69.862
1897.....	55.40	6	3	58.01	2	6½	51.522
1898.....	74.93	4	5½	74.48	2	2	60.480
1899.....	58.78	3	9	60.24	2	0½	53.013
1900.....	70.00	5	6½	66.59	4	3½	59.697
1901.....	62.29	4	5½	70.47	4	3	58.066
1902.....	59.07	4	9½	61.73	2	7½	51.916
1903.....	64.30	5	10	67.64	3	11	59.125

Rainfall  
only.

Gallons of Water Discharged over Long Lake Waste Weir  
during 1903.

Day.	January.	February.	March.	April.	November.	December.
1	10 665,474			55,434,189		38,025,069
2	8,112,524		81,125.24	34,026,476		30,173,986
3	3,771,748		7,258.98	16,424,984		22,953,449
4	10,665,474			38,025,069		30,173,986
5	22,953,449			38,025,069		30,173,986
6	16,424,984			30,173,986		16,424,984
7	10,665,474			22,953,449		10,665,474
8	5,807,185			30,173,986		8,112,524
9	3,771,748		5,807,185	46,452,871		2,935,888
10	2,053,123		55,434,189	55,434,189		5,807,185
11	5,877,185		38,025,069	46,452,871		22,953,449
12	8,112,524		34,026,476	30,173,986		16,424,984
13	13,441,414		30,173,996	16,424,984		22,953,449
14	10,665,474		22,953,449	8,112,524		26,482,975
15	8,112,524		16,424,984	3,771,748		22,953,449
16	5,807,185		10,665,474	2,053,123		17,985,975
17	3,771,748		5,807,185	2,053,123		8,112,524
18	2,053,123		3,771,748	3,771,748		3,771,748
19	725,898		2,935,888	5,807,185	2,053,123	725,898
20			2,053,123	10,665,474	13,441,414	
21			1,333,376	8,112,524	10,665,474	
22	3,771,748		725,898	5,807,185	10,665,474	
23	5,807,185		256,678	3,771,748	10,665,474	
24	3,771,748		13,441,414	2,053,123	13,441,414	
25	2,053,123		53,142,817	3,771,748	16,424,984	
26	1,333,376		55,434,189	2,053,123	13,441,414	
27	725,898		34,026,476	1,333,376	8,112,524	
28	256,678		22,953,449	725,898	8,112,524	
29			16,424,984		10,665,474	
30			13,441,414		44,259,785	
31			8,112,524			
	171,178,014		456,210,407	524,039,759	161,989,078	337,810,98

Total for the year ..... 1,651,228,240 gallons.

**REPORT PLUMBING INSPECTOR.**  

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HALIFAX, N. S., APRIL 30TH, 1904.

MR. F. W. W. DOANE,  
*City Engineer.*

SIR,—I beg leave to submit for your information a report of work done by me during the past year in the Water and Health Departments.

During the past year there have been several violations of the Rules and Regulations, which have been reported to the Board of Health, and convictions obtained against the violators.

The same delay still occurs in the plumbers filing applications, and in not notifying this office when the work is finished so that the necessary test can be made. The rules applying to these cases should be more rigidly enforced to successfully carry out the plumbing regulations.

Respectfully submitted,

CLAUDE DONOVAN,  
*Plumbing Inspector.*



**REPORT OF WATER INSPECTOR.**

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HALIFAX, N. S., Dec. 5th, 1904.

**MR. F. W. W. DOANE,**  
*City Engineer.*

**SIR,**—I beg leave to submit for your information the work done by me in the Water Department during the year, with a list of all the water meters in use, the sizes, the amount consumed, the revenue therefrom, and number of times the meters were inspected.

Yours respectfully,

**JOHN E. BURNS,**  
*Water and Meter Inspector.*





Statement showing Class of Premises in which Meters are Used.

CLASS	SIZES IN INCHES.									Indicator.	Total.	
	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	3	4	6			
Armouries .....		2	2									4
Breweries .....	2	1				2	2					7
Bakeries .....	3						1					4
Churches .....										1		1
Colleges .....	2	6										8
Dye Works .....	2											2
Elevators .....							4	3				7
Electric Tram Station .....				1				1	1			3
Factories, Machine Shops, etc. ....	10	4	4			4	2					24
Fountains .....					1							1
Gas Works .....							1		1			2
Grain Elevators .....	1						1					2
Grounds, Athletic .....	1											1
Halls, Clubs, etc. ....	2	4	3									9
Hospitals .....		1										1
Laundries .....	2	3	1			1	1					8
Nurseries .....	1		1									2
Office Buildings .....	4	3	1			1						9
Printing Offices .....	4	1	1									6
Refineries .....								1				1
Rinks .....	1						1					2
Schools .....	1	1	1									3
Stables, Private .....	12											12
Stables, Livery .....	12											12
Wharves .....						6	3	4	2			15
Tenements, Dwellings, etc. ....	152											152
Institutions .....	5	10	7	4								26
Railroads .....					1	2						3
	217	36	21	5	2	16	16	9	4	1		327

## Consumption and Revenue by Meters.

Page.	OWNER.	Class of Premises.	Size of Meter.	Consumption in Gallons.	Water Rate.	Value.	Meter Rental.	Total Amount.	REMARKS.	
108	J. Fry .....	Bakery .....	$\frac{1}{2}$	66,000	15	\$ 9 75	\$ 2 00	\$ 11 75		
355	G. J. Hamilton & Sons	" .....	3	319,000	14	44 66	5 00	49 66	6 mos.	
353	Moirs, Ltd. ....	" .....	3	638,000	Ex	empt up to 2,500,000	gallons.			
344	Moir, Son & Co. ....	" .....	$\frac{3}{4}$	197,000	*	10 54	4 00	14 54	*10, 13.	
28	" .....	" .....	2	1,210,000	*	134 88	8 00	142 88	*10, 12 $\frac{1}{2}$ , 13.	
135	F. J. Scott. ....	" .....	$\frac{1}{2}$	58 000	15	8 70	2 00	10 70		
134	Wm. J. Scriven .....	" .....	$\frac{1}{2}$	250,000	2,738,000	*	36 69	2 00	38 69	*14 $\frac{1}{2}$ , 15.
101	S. P. Churchill .....	Bottlers .....	$\frac{1}{2}$	19,000	15	2 85	2 00	4 85		
54	Lawson Estate .....	" .....	$\frac{1}{2}$	190,000	15	28 50	4 00	32 50		
132	Scotia Pure Milk .....	" .....	$\frac{1}{2}$	137,000	346,000	15	20 55	2 00	22 55	
32	Halifax Breweries .....	Breweries .....	3	740,000	*	101 48	10 00	111 48	*13 $\frac{1}{2}$ , 14.	
20	A. Keith & Son .....	" .....	3	4,395,000	*	425 92	10 00	435 92	* 9 $\frac{1}{2}$ , 10.	
22	" .....	" .....	$\frac{3}{4}$	1,170,500	*	114 70	4 00	118 70	* 9 $\frac{1}{2}$ , 10.	
243	J. P. May Estate. ....	" .....	2	1,048,000	7,353,500	13 $\frac{1}{2}$	141 48	8 00	149 48	
38	Brunswick St. Meth..	Church .....	* $\frac{3}{4}$	41,965	41,965	7	2 93	.....	2 93	*Indicator.
86	Sacred Heart Convent	College .....	3	1,351,200	7	94 58	10 00	104 58		
6	Dalhousie College .....	" .....	2	82,700	7	5 79	4 00	9 79		
18	Hlfx. Ladies College.	" .....	2	481,700	7	33 72	4 00	37 72		
70	" .....	" .....	1 $\frac{1}{2}$	670,725	7	46 95	5 00	51 95	Formerly $\frac{3}{4}$ .	
150	" Medical College	" .....	2	37,000	7	3 29	2 00	5 29		
151	" .....	" .....	$\frac{3}{4}$	75,000	7	5 25	4 00	9 25		
157	Pine Hill College. ....	" .....	1	54,000	7	3 78	5 00	8 78		
207	" .....	" .....	$\frac{3}{4}$	146,000	7	10 22	4 00	14 22		
191	St. Ann's College. ....	" .....	1	379,000	3,277,325	7	26 53	5 00	31 53	
198	School Commissioners	Public School .....	1	814,000	7	56 98	5 00	61 98		
332	" .....	" .....	$\frac{1}{2}$	42,000	7	2 94	2 00	4 94		
339	" .....	" .....	$\frac{3}{4}$	173,000	1,029,000	7	12 11	4 00	16 11	

CONSUMPTION AND REVENUE BY METER.—(Continued).

Page.	OWNER.	Class of Premises.	Size of Meter.	Consumption in Gallons.	Water Rate.	Value.	Meter Rental.	Total Amount	REMARKS.
34	Dom. Government	Appraisers' Office	3	474,000	c.	\$ 68 73	10 00	\$ 78 73	
245	"	Armouries	1	745,000	14½	102 17	5 00	107 17	
246	"	"	1	178,000	13½	24 52	5 00	29 52	
247	"	"	1	39,000	&	5 41	4 00	9 41	
248	"	"	1	6,000	14	82	4 00	4 82	
254	"	Grain Elevator	4	141,000	15	21 15	.....	21 15	Own meter.
257	"	"	1	10,000	15	1 50	2 00	3 50	
9	"	Immigration Shed	4	2,360,700	*	254 03	15 00	269 03	*10½, 13½.
307	"	I. C. R.	3	6,000	15	90	10 00	10 90	
340	"	"	2	1,041,000	.....	.....	.....	.....	Special rate.
341	"	"	11	3,893,000	.....	.....	.....	.....	"
342	"	"	14	526,600	.....	.....	.....	.....	"
352	"	"	2	1,058,000	.....	.....	.....	.....	"
196	"	"	11	.....	.....	.....	.....	.....	"
50	"	Marine & Fisheries.	4	948,700	*	130 93	15 00	145 93	*13½, 14.
36	"	Post Office	3	542,000	14½	78 59	10 00	88 59	
62	Halifax Graving Dock	Dry Dock	11	536,000	*	73 72	7 00	80 72	*13½, 14.
64	"	"	6	471,000	1,007,000	64 44	20 00	84 44	
145	Estate B. G Street..	Dye Works	3	197,500	15	29 62	2 00	31 62	
92	J. K. Hubley	"	3	77,000	274,500	11 55	2 00	13 55	
252	Dillon Bros	Elevator	3	293,300	15	44 00	10 00	54 00	
141	G. M. Smith & Co	"	4	651,000	14	91 14	15 00	106 14	
46	W. Stairs, S. & Morrow	"	4	408,000	1,352,300	59 16	15 00	74 16	
126	Dom. Cotton Mills Co	Factory	3	3,425,000	*	350 29	10 00	360 29	*10, 10½.
362	Dom. Packing Co.	"	14½	165,600	14½	24 01	1 00	25 01	3 mos.
347	J. A. Dunn	"	15	111,000	15	16 65	2 00	18 65	
251	A. Gunn & Co	"	15	133,000	15	19 95	2 00	21 95	
350	Harrington Estate	"	15	39,000	15	5 85	1 00	6 85	6 mos.

237	Henderson & Potts	Factory	2	32,000	14	4 48	8 00	12 48	
238	"	"	2	621,000	14	86 94	8 00	94 94	
250	W. H. Schwartz	"	1 1/2	82,000	15	12 30	2 00	14 30	
42	Geo. Thompson	"	1 1/2	41,000	15	4 65	2 00	6 65	
84	Ferguson & Cox	Foundry	1 1/2	52,000	15	7 80	2 00	9 80	
58	MacDonald & Co	"	1 1/2	160,000	15	24 00	2 00	26 00	
79	J. G. Bennett	Fountain	1 1/2	22,000	15	3 32	6 00	9 32	
18	Hlfx. Elec. Tram Co.	Power Station	2	55,350	7 1/2	4 15	8 00	12 15	Rmvd. [1903. Dec.
65	"	"	4	442,000	7 1/2	34 15	15 00	49 15	
337	"	"	6	16,044,000	7 1/2	1203 30	20 00	1223 30	
194	"	Car Barn	1 1/2	889,000	7 1/2	66 67	6 00	72 67	
203	"	Gas Works (Arm)	6	4,322,000	7 1/2	324 16	20 00	344 16	
357	"	"	3	1,165,000	7 1/2	87 37	5 00	92 37	5 mos.
8	Ch. of Eng. Institute.	Hall or Club	2 1/2	497,600	14	69 92	4 00	73 92	
82	City Club Building	"	1 1/2	93,000	15	13 95	4 00	17 95	
149	Freemasons' Hall	"	1	83,000	15	12 45	5 00	17 45	
76	Halif. x Club	"	2 1/2	699,000	13 1/2	94 36	4 00	98 36	
78	"	"	2 1/2	377,000	13 1/2	50 90	4 00	54 90	
147	Odd Fellows' Co	"	1 1/2	84,400	15	12 66	4 00	14 66	
239	St. Joseph's Hall	"	1 1/2	67,900	15	10 19	2 00	12 19	
80	St. Mary's Y. M. T. A. S.	"	1 1/2	44,000	15	6 60	4 00	10 60	
10	St. Patrick's	"	1 1/2	89,300	15	13 39	4 00	17 39	
186	S. E. L. Tennis Club.	"	1 1/2	15,000	15	2 25	4 00	6 25	6 mos.
89	Y. M. C. A.	"	1 1/2	76,800	7	5 38	2 00	7 38	
91	"	"	1	2,000	7	14	5 00	5 14	
255	Halifax Curling Club.	Rink and Club	3	86,000	15	12 90	10 00	22 90	
256	"	"	1 1/2	16,000	15	2 40	2 00	4 40	
209	Halifax Infirmary	Hospital	1 1/2	401,300	7	28 09	2 00	30 09	
304	John Glassey	Hotel	1 1/2	80,000	15	12 00	2 00	14 00	
349	Wm. Wilson	"	3	430,000	14	60 20	5 00	65 20	6 mos.
189	Deaf & Dumb Institute	Institution	2 1/2	52,000	7	3 24	4 00	7 24	
190	"	"	2 1/2	4,000	7	29	4 00	4 29	
81	"	"	1 1/2	966,000	7	67 62	6 00	73 62	
138	Halifax Dispensary	"	1 1/2	35,300	7	2 47	4 00	6 47	
85	Infants' Home	"	1 1/2	930,000	7	60 90	4 00	64 90	
208	"	"	1 1/2	100,100	7	7 01	2 00	9 01	[Laundries.
162	Mon. Good Shepherd.	"	1	946,000	7	66 22	5 00	71 22	See also
361	Old Ladies' Home	"	1 1/2	2,500	7	18	.....	18	3 mos.

CONSUMPTION AND REVENUE BY METER.—(Continued).

Page.	OWNER.	Class of Premises.	Size of Meter.	Consumption in Gallons.	Water Rate.	Value	Meter Rental.	Total Amount.	REMARKS.
211	Old Ladies' Home . . .	Institution . . . . .	1	320,000	c.	\$ 22 61	\$ 4 00	\$ 26 61	
214	Protestant Orphanage . . . . .	" . . . . .	1	346,000	7	24 22	4 00	28 22	
128	R. C. Orphanage . . . . .	" . . . . .	1	420,000	7	29 40	4 00	33 40	
215	Sal. Army Harbor . . . . .	" . . . . .	1	417,000	7	29 19	4 00	33 19	
225	School for the Blind . . . . .	" . . . . .	1	506,000	7	35 42	5 00	40 42	
226	" . . . . .	" . . . . .	1	91,900	7	6 43	4 00	10 43	
227	" . . . . .	" . . . . .	1	397,700	7	27 87	4 00	31 87	
365	" . . . . .	" . . . . .	1 1/2	55,000	7	3 85	1 50	5 35	2 mos.
213	St. Paul's Almshouse . . . . .	" . . . . .	1	208,000	7	14 56	2 00	16 56	
47	St. Joseph's Orphanage . . . . .	" . . . . .	1	27,000	7	2 03	2 00	4 03	
336	H. G. Bauld . . . . .	Laundry . . . . .	1	829,400	*	113 75	4 00	117 75	*14, 13 1/2.
139	" . . . . .	" . . . . .	1	542,000	12	65 04	5 00	70 04	
140	" . . . . .	" . . . . .	1	1,251,000	12	150 12	5 00	155 12	
163	Mon. Good Shepherd . . . . .	" . . . . .	2	885,000	7	61 95	8 00	69 95	6 m. (burned)
232	Elizabeth Sutherland . . . . .	" . . . . .	1	263,000	*	38 69	5 00	43 69	*14 1/2, 15.
116	Max Ungar . . . . .	" . . . . .	3	3,681,000	*	349 04	10 00	359 04	*9 1/2, 10.
351	" . . . . .	" . . . . .	2	1,121,200	9 1/2	106 51	4 00	110 51	6 mos.
178	Rod. McDonald . . . . .	Nursery . . . . .	1	250,000	15	38 85	5 00	43 85	
77	Pine Hill College . . . . .	" . . . . .	1/2	4,000	15	60	2 00	2 60	
348	Bank of Montreal . . . . .	Offices . . . . .	2	80,000	15	12 00	8 00	20 00	
14	Wm. Cunard . . . . .	" . . . . .	1/2	16,200	*	3 85	2 00	5 85	*14, 14 1/2.
26	Provincial Govt . . . . .	" . . . . .	1	737,000	14	103 18	5 00	108 18	
167	Queen Building . . . . .	" . . . . .	1 1/2	358,000	14 1/2	51 91	4 00	55 91	
168	" . . . . .	" . . . . .	1/2	40,800	14 1/2	5 92	2 00	7 92	
183	E. B. Sutcliffe . . . . .	" . . . . .	1 1/2	843,000	13 1/2	113 81	4 00	117 81	
184	" . . . . .	" . . . . .	1 1/2	91,000	13 1/2	12 28	7 00	19 28	
142	Est. Wm. Annand . . . . .	Printers . . . . .	1/2	749,400	*	102 93	4 00	106 93	*13 1/2, 14 1/2.
146	Blackadar Bros. . . . .	" . . . . .	1	85,000	15	12 75	5 00	17 75	

148	McAlpine Pub. Co.	Printers	1	244,200		\$ 35 73	\$ 2 00	\$ 37 73	14½, 15.
169	"	"	1	53,000	1,131,600	15	7 95	2 00	9 95
48	Acadia Sugar Refin'ry	Refinery	4	49,104,000	49,104,000	7½	3682 80	15 00	3697 80
242	John Dixon	Aerated Water F'ty	1	19,000		15	2 85	2 00	4 85
56	W. H. Donovan	"	1	101,000		15	15 15	4 00	19 15
72	F. J. Quinn	"	1	127,000		15	19 05	2 00	21 05
74	Jas Roue	"	1	87,000		15	13 05	4 00	17 05
73	Whelan & Ferguson	"	1	53,000	387,000	15	7 95	2 00	9 95
108	Matilda Ainsley	Stables	1	93,000		15	13 80	2 00	15 80
109	"	"	1	34,000		15	5 10	2 00	7 10
174	H. G. Bauld	"	1	13,800		15	2 08	2 00	4 08
180	W. P. Buckley	"	1	20,700		15	3 10	2 00	5 10
100	Conlon Bros	"	1	3,000		15	45	2 00	2 45
69	Thos Cox	"	1	77,000		15	11 56	2 00	13 56
119	H. Dunbrack	"	1	36,000		15	5 40		5 40
202	R. E Gannon	"	1	12,000		15	1 80	2 00	3 80
131	Hlfx. Transfer Co.	"	1	297,000		*	43 58	2 00	45 58
53	W. J. Harvey	"	1	13,000		15	1 95		1 95
87	W. H. Isnor	"	1	66,000		15	9 90	2 00	11 90
122	J. A. Leaman & Co.	"	1	147,600		15	22 15	2 00	24 15
188	"	"	1	72,000		15	9 30	2 00	11 30
335	McGrath & Adams	"	1	55,100		15	8 27	2 00	10 27
333	Miller Bros	"	1	115,700		15	17 36	2 00	19 36
101	Jas. Nolan	"	1	85,000		15	12 75	2 00	14 75
177	Jno. Nolan	"	1	10,000		15	1 50		1 50
117	Estate Jane Olive	"	1	13,000		15	1 95		1 95
204	Thos. Robinson	"	1	137,500		*	20 06	2 00	22 06
205	"	"	1	133,800		*	19 79	2 00	21 79
97	R. C. Epis. Corport'n	"	1	33,300		15	4 95	2 00	6 95
179	Mrs. Clara Spencer	"	1	16 900		15	2 54	2 00	4 54
125	N. & M. Smith	"	1	32,100		15	4 82	2 00	6 82
192	H. C. Tully	"	1	21,000		15	3 15		3 15
71	H. W. Wentzell	"	1	16,000		15	2 40	2 00	4 40
280	H. L. Williston	"	1	12,000	1,566,200	15	1 80	2 00	3 80
175	Jas. M. Allen	Store	1	19,000		15	2 85	5 00	7 85
99	"	"	1	54,000		15	8 10	4 00	12 10
93	H. W. Barnes, Agent.	"	1	6,400		15	96	2 00	2 96
61	J. E. Roy	"	1	204,000	233,400	*	29 92	5 00	34 92

Formerly 7.

14½, 15.

7 mos.

1 50 5 mos.

14½, 15.

14½, 15.

14½, 15.

CONSUMPTION AND REVENUE BY METER.—(Continued).

Page.	OWNER.	Class of Premises.	Size of Meter.	Consumption in Gallons.	Water Rate.	Value.	Meter Rental.	Total Amount.	REMARKS.
129	Collas Whitman & Co.	Wharf	1	53,900	c.				
181	Commercial Cable Co.	"	3	932,900	15	\$ 5 39	\$ 5 00	\$10 39	
88	F. D. Corbett & Co	"	3	869,000	*	124 79	10 00	134 79	13, 14.
16	Wm. Cunard	"	6	670,000	*	117 35	10 00	127 35	13, 14.
244	Furness, Withy Co	"	3	1,705,000	*	94 70	20 00	114 70	14, 14½.
83	Imperial Government.	"	3	177,000	*	212 34	10 00	222 34	12, 13.
303	Lawson Estate	"	3	733,000	15	26 55		26 55	Lumber Yard.
120	"	"	3	65,000	*	98 40	10 00	108 40	13, 14½.
66	Plant S. S Co.	"	3	2487,000	15	9 75	2 00	11 75	
334	Joseph Wood	"	3	37,000	*	285 98	10 00	295 98	11, 12.
12	Wm. Cunard	Work Shop	3	6,000	15	5 55	7 50	13 05	5 mos.
155	John Pugh Estate	"	½	11,600	14½	87	2 00	2 87	
41	A. Mitchell	"	½	52,000	15	1 74	2 00	3 74	
328	Mrs. M. Dwyer	Dwelling	1	241,000	15			7 80	
193	Mrs. K. Robinson	"	1	73,000	15			36 15	
154	Doull Estate	"	½	112,000	15			10 95	
98	E. G. Smith	"	½	49,000	15			17 30	
102	J. L. Barnstead	"	½	144,000	15			7 35	
106	"	"	½	28,000	15			21 60	
114	T. E. Cooke	"	½	55,000	15			4 16	
326	G. L. Murray	"	½	23,200	15			8 25	
327	H. McC. Hart	"	½	81,000	15			3 48	
39	"	"	½	27,000	15			12 15	
325	Mrs. C. E. Seaman	"	½	17,000	15			4 08	
233	H. S. Freeman	"	½	29,000	15			2 55	
223	W. H. Fulton	"	½	74,000	15			4 35	
17	J. A. Hall	"	½	61,000	15			11 10	
218	George Wright	"	½	24,000	15			9 15	
				7,729,800				3 60	
				17,600					



219	George Wright	Dwelling	19,200	15		\$	2 88
123	T. J. Cahill	"	17,000	15			2 58
121	Mrs. F. Fry	"	13,000	15			1 95
222	Miss J. Creighton	"	9,000	15			1 35
220	Miss E. Borden	"	8,000	15			1 20
221	Mrs. M. Hamilton	"	14,000	15			2 30
301	R. Horton	"	17,000	15			2 55
11	Mrs. J. Smith	"	16,000	15			2 40
229	Mrs. A. E. McDonald	"	24,000	15			3 60
5	W. M. P. Webster	"	63,000	15			9 45
7	"	"	24,000	15			3 60
3	A. R. Butler	"	37,000	15			5 55
228	E. Gibson	"	54,000	15			8 10
258	Alex. Urquhart	"	20,700	15			3 17
63	Wm. Ware	"	50,800	15			8 61
210	Mrs. A. Parsons	"	22,000	15			3 90
320	S. Brown	"	12,200	15			1 83
300	C. A. Baker	"	9,000	15			1 35
111	J. H. Edwards	"	30,000	15			4 50
319	James Baker	"	12,000	15			1 80
317	W. J. Cooke	"	4,000	15			60
316	Wm. O. Connell	"	7,000	15			1 05
318	R. W. Dunsworth	"	1,800	15			1 35
321	Jane Watt	"	25,500	15			3 83
330	M. Morris	"	8,000	15			1 20
331	Wm. Robinson	"	3,000	15			47
329	James Kelley	"	3,600	15			75
235	Andrew Hubley	"	82,000	15			12 40
234	"	"	38,000	15			4 35
284	"	"	40,000	15			6 00
284	"	"	44,000	15			6 60
236	"	"	7,000	15			1 05
282	Mrs. C. O. Keefe	"	11,000	15			1 65
283	S. Bonnell	"	24,000	15			3 60
281	W. E. Crowe	"	153,000	15			22 95
299	W. H. Francis	"	20,000	15			3 00
291	H. L. Wallace	"	23,000	15			3 45
305	George Verdie	"	75,000	15			11 25
204	W. H. Cawsey	"					

CONSUMPTION AND REVENUE BY METER.—(Continued).

Page.	OWNER.	Class of Premises.	Size of Meter.	Consumption in Gallons.	Water Rate.	Value.	Meter Rental.	Total Amount.
176	W. H. Cawsey	Dwelling	15	157,300	15			23 60
130	Patrick Gray	"	"	9,400	15			1 41
137	A. A. Lanett	"	"	14,400	15			2 16
272	Wm. Mackinlay	"	"	12,000	15			1 80
268	N. Slaughenwhite	"	"	15,000	15			2 25
296	W. B. Freeman	"	"	29,000	15			4 35
199	Miss Nolan	"	"	19,000	15			2 40
285	Joseph Whitman	"	"	14,100	15			2 30
302	W. J. Delaney	"	"	96,200	15			14 42
346	C. A. Hawkins	"	"	16,000	15			2 40
324	E. J. Goudge	"	"	17,200	15			2 85
160	Joseph Cashen	"	"	16,800	15			2 42
161	"	"	"	82,800	15			13 25
60	F. W. W. Doane	"	"	35,000	15			5 25
297	W. H. Cawsey	"	"	23,000	15			3 45
266	J. M. DeWolf	"	"	30,000	15			4 50
267	W. A. Heisler	"	"	68,000	15			10 20
269	W. R. Innis	"	"	14,000	15			2 11
271	Dr. Fitch	"	"	36,800	15			5 52
273	James Isner	"	"	32,000	15			4 80
274	Francis Selig	"	"	111,000	15			16 65
35	A. M. Harival	"	"	17,000	15			2 55
275	"	"	"	27,000	15			4 05
274	"	"	"	27,000	15			4 05
33	"	"	"	42,800	15			6 26
276	"	"	"	33,000	15			4 95
277	"	"	"	29,000	15			4 35
278	J. W. Allan	"	"	16,000	15			2 10

287	W. H. Isnor	Dwelling	1/2	24,300	15	4 20
96	Eastern Trust Co.	"	"	11,000	15	1 50
289	J. J. Donnelly	"	"	6,000	15	90
290	A. J. Sullivan	"	"	27,000	15	4 04
19	Mrs. E. Hoare	"	"	14,000	15	2 10
292	Frank Elen	"	"	22,000	15	3 30
293	M. D. Logan	"	"	110,400	15	17 91
294	Mrs. M. Road	"	"	21,000	15	3 15
298	H. R. Silver	"	"	43,000	15	6 45
308	A. H. McCaughin	"	"	23,000	15	3 45
43	James McLearn	"	"	35,400	15	5 17
118	L. E. Nickerson	"	"	71,900	15	9 45
115	John Connelly	"	"	119,000	15	17 91
112	"	"	"	145,000	15	21 75
200	Sergt.-Major Grant	"	"	18,000	15	2 70
94	Mrs. A. Boutlier	"	"	84,200	15	12 33
107	Mrs. S. Scalian	"	"	8,050	15	1 21
124	Herbert Gammon	"	"	8,100	15	1 22
313	John Phelan	"	"	6,000	15	90
314	Mrs. M. Muldowney	"	"	6,000	15	90
312	Mrs. M. Davey	"	"	10,300	15	1 95
4	John Davidson	"	"	7,000	15	1 88
127	Joseph DeYong	"	"	21,000	15	3 15
57	Wm. Forbes	"	"	9,000	15	1 35
23	Grove Church Manse	"	"	33,000	15	4 95
29	Miss H. Phelan	"	"	6,000	15	90
27	George Harvey	"	"	12,700	15	1 91
25	Graham Creighton	"	"	16,500	15	2 48
21	Miss E. M. Connell	"	"	109,000	15	33 60
164	Mrs. A. Hession	"	"	14,000	15	2 10
165	G. P. Henry	"	"	10,000	15	1 50
55	J. M. Smeltzer	"	"	3,150	15	48
259	Dr. H. S. Jacques	"	"	21,300	15	3 26
310	John Butler	"	"	7,100	15	1 20
309	George Tanner	"	"	26,000	15	3 90
59	A. H. Shephard	"	"	68,000	15	18 20
311	Wm. Kennedy	"	"	13,000	15	1 95
31	Robert Creer	"	"	Not in use.	15	

CONSUMPTION AND REVENUE BY METER.—(Continued).

Page.	OWNER.	Class of Premises.	Size of Meter.	Consumption in Gallons.	Water Rate.	Value.	Meter Rental.	Total Amount.	REMARKS.
201	H. W. Bayer . . . . .	Dwelling . . . . .	1/2	6,000	15	.....	.....	\$ 0 90	
156	T. J. O. Karnell . . . . .	" . . . . .	"	110,000	15	.....	.....	16 50	
263	Mrs. M. King . . . . .	" . . . . .	"	2,800	15	.....	.....	40	
262	" . . . . .	" . . . . .	"	13,000	15	.....	.....	1 95	
260	" . . . . .	" . . . . .	"	25,000	15	.....	.....	3 86	
261	" . . . . .	" . . . . .	"	27,900	15	.....	.....	4 15	
206	Hon. D MacKeen . . . . .	" . . . . .	2	204,000	15	.....	.....	30 60	
173	Ben. Gladwin . . . . .	" . . . . .	1/2	13,000	15	.....	.....	1 95	
13	J. M. Davidson . . . . .	" . . . . .	"	15,400	15	.....	.....	2 31	
15	" . . . . .	" . . . . .	"	323,000	15	.....	.....	47 38	
241	B. F. Pearson . . . . .	" . . . . .	2	48,000	15	.....	.....	7 20	
265	W. J. Kirby . . . . .	" . . . . .	3/4	12,400	15	.....	.....	1 80	
103	Charles Carmichael . . . . .	" . . . . .	"	2,500	15	.....	.....	38	
51	E. G. Horne . . . . .	" . . . . .	"	37,000	15	.....	.....	5 55	
323	Samuel Grant . . . . .	" . . . . .	"	19,000	15	.....	.....	2 85	
75	D. A. Story . . . . .	" . . . . .	"	50,000	15	.....	.....	7 50	
286	Alfred Whitman . . . . .	" . . . . .	"	8,200	15	.....	.....	1 05	
288	Joseph Foley . . . . .	" . . . . .	"	110,000	15	.....	.....	16 50	
67	Ritchie & Menger . . . . .	" . . . . .	"	23,000	15	.....	.....	3 45	
363	H. A. Langille . . . . .	" . . . . .	"	64,000	15	.....	.....	9 60	6 mos.
360	Wm. McFatridge . . . . .	" . . . . .	"	7,500	15	.....	.....	1 13	4 mos.
356	Ewen Morrison . . . . .	" . . . . .	"	30,000	15	.....	.....	4 50	9 mos.
354	E. O. Stern . . . . .	Tenement . . . . .	"	25,000	15	.....	.....	3 75	4 mos.
358	Archie McFatridge . . . . .	" . . . . .	"	42,500	15	.....	.....	6 38	4 mos.
359	" . . . . .	" . . . . .	"	15,600	15	.....	.....	2 34	4 mos.

5,413,200

29 Mrs. M. Phelan	Tenement	1/2	6,000	89,100	15			90
230 Wm. Roche	Shop and Store	"	28,200		15	\$ 3 75	\$ 2 00	5 75
136 Harry MacDonald	"	"	40,600		15	6 09	2 00	8 09
291 C. S. Davies	"	"	20,000		15	3 00	2 00	5 00
185 Philip Boyle	"	"	97,800		15	14 67	2 00	16 67
158 J. A. Hancock	"	"	11,000		15	1 65	2 00	3 65
306 T. G. Willmington	"	"	18,000	215,600	15	2 70	2 00	4 70
			<u>147,438,344</u>	<u>147,438,344</u>			<u>\$792 00</u>	<u>\$13620 66</u>

### Scale of Rates for Annual Rental of Meters.

(Adopted by Board of Works, June, 1902.)

For $\frac{1}{2}$ inch Meters	.....	\$ 2 00
“ $\frac{3}{4}$ “	.....	3 00
“ 1 “	.....	4 00
“ 1 $\frac{1}{4}$ “	.....	5 00
“ 1 $\frac{1}{2}$ “	.....	6 00
“ 2 “	.....	7 00
“ 3 “	.....	8 00
“ 4 “	.....	10 00
“ 6 “	.....	15 00
“ 6 “	.....	20 00

(For Meters of larger size ten per cent. on the cost of Meter and setting the same.)

RESOLUTION OF CITY COUNCIL, April 20th, 1898.—“ No rental shall be charged for Meter on premises where water is used for household purposes only.

### Schedule of Meter Rates, 1903.

(Adopted by Council, Oct 27th, 1896.)

1000 gallons dail or under	.....	15	cents per 1000 gallons
1000 “ to 2000	.....	14 $\frac{1}{2}$	“ “
2000 “ to 3000	.....	14	“ “
3000 “ to 4000	.....	13 $\frac{3}{4}$	“ “
4000 “ to 5000	.....	13	“ “
5000 “ to 6000	.....	12 $\frac{3}{4}$	“ “
6000 “ to 7000	.....	12	“ “
7000 “ to 8000	.....	11 $\frac{1}{2}$	“ “
8000 “ to 9000	.....	11	“ “
9000 “ to 10000	.....	10 $\frac{1}{2}$	“ “
10000 “ to 20000	.....	10	“ “
20000 “ to 30000	.....	9 $\frac{3}{4}$	“ “
30000 “ to 40000	.....	9	“ “
40000 “ to 50000	.....	8 $\frac{3}{4}$	“ “
50000 “ to 60000	.....	8	“ “
60000 “ or upwards	.....	7 $\frac{1}{2}$	“ “
Educational and Charitable Institutions	.....	7	“ “

STREET FOREMAN'S REPORT.

CITY HALL, HALIFAX, May 2nd, 1904.

F. W. W. DOANE, ESQ.,  
*City Engineer.*

SIR,—I beg to report in the accompanying statements, cost of the work performed and materials used in 1903-4.

Respectfully submitted,

JOHN McDONALD,  
*Forman of Streets and Sewers.*

## Concrete Catchpits Constructed in 1903.

STREET.	Side of Street.	LOCATION.	Number.	Size of Inlet.	FOREMAN.	REMARKS.
Brussels . . . .	E.	At Atlantic St. . . . .	1	7in.	Jas. Downie. . .	
Charles . . . . .	S.	At Hunter St. . . . .	1	7in.	"	
Charles . . . . .	N.	At Gladstone St. . . . .	1	7in.	"	
Cunard . . . . .	S.	At Maynard St . . . . .	1	7in.	"	
Granville . . . . .	E.	At Prince St . . . . .	1	7in.	"	
May . . . . .	N.	At Kempt Road . . . . .	1	7in.	"	
Maynard . . . . .	W.	At John's Lane . . . . .	1	7in.	"	
North Park . . . .	E.	At John's Lane . . . . .	1	7in.	"	
Pleasant . . . . .	E.	At Morr's St . . . . .	1	7in.	"	
Shirley . . . . .	N.	At Louisburg St. . . . .	1	7in.	"	
South . . . . .	S.	At Oakland St. . . . .	1	7in.	"	
Tower Road . . . .	W.	At Kirby's Lane . . . . .	1	7in.	"	
Wellington . . . .	E.	Opp. " . . . .	1	7in.	"	
Willow . . . . .	N.	At Robie St . . . . .	1	7in.	"	
Willow . . . . .	S.	At Robie St . . . . .	1	7in.	"	
Young Avenue. . . .	W.	At Atlantic St. . . . .	1	7in.	"	
Young Avenue. . . .	E.	At Owen St. . . . .	1	7in.	"	
Charles . . . . .	N.	At Robie St. . . . .	1	7in.	"	New top only.
Quinpool Road. . . .	S.	At Robie St. . . . .	1	7in.	"	"
Robie . . . . .	E.	At Charles St . . . . .	1	7in.	"	"
Salter . . . . .	N.	Below Hollis St . . . . .	1	7in.	"	"
Salter . . . . .	S.	Below Hollis St . . . . .	1	7in.	"	"
Robie . . . . .	E.	At Willow St. . . . .	1	7in.	"	" [gratings
West Young . . . . .			8		C. McGillvray.	Stone pits with
LeMarchant . . . . .			2		"	Box gratings.



NEW YORK

DEPARTMENT OF THE ARMY

SEWERS CONSTRUCTED IN 1903.

LOCATION.			Size in inches.	Length in feet.	Material.	Manholes.	Drain Connections.	Catchpits.	Average depth in feet.	Average depth of soil in feet.	COST OF WORK.			COST PER LINEAL FOOT.			Sewerage rates at \$1.25 per lineal foot frontage.	FOREMAN.
Street.	From.	To.									Labor and Truckage.	Material.	Total.	Labor and Truckage.	Material.	Total.		
LeMarchant	South	795 N	14" x 21"	795' 25"	Concrete.	5	14				\$ 3884 23	\$ 1415 07	\$ 5299 30	\$3 26	\$1 19	\$4 45	\$2949 69	Jas. Downey.
"	795' N. of South	150' S Coburg Road	12" x 18"	393' 35"														
Shirley	Louisburg	Westerly	14" x 21"	578' 33"														
"	Chestnut	Easterly	12" x 18"	406' 76"	"	5	10	10.33			2963 34	974 63	3937 97	3 00	99	3 99	2261 54	Jas. Downey and C. Macgillivray.
Young	Gottingen	Agricola	36"	958'														
"	Agricola	Kempt Road	24" x 36"	735' 5"	"	6	15	8			8470 31	3715 48	12185 79	5 00	2 19	7 19	3460 54	C. Macgillivray.
Totals			3867' 19"			16	29	8			\$15317 88	\$6105 18	\$21423 06	\$3 96	\$1 58	\$5 54	\$8671 77	

DETAILED COST OF SEWERS BUILT IN 1903.

LOCATION.			CONCRETE.				MANHOLES.			DYNAMITE.			ELECTRIC FUSE.		BRICKS.		CEMENT.			SAND.			KEROSENE OIL.		COAL.		STONE.		BRUSH.		CROCK PIPES.				COST OF SEWER.													
STREET.	FROM.	TO.	No. of feet of 12" x 18 at .51 per ft.	No. of feet of 14" x 21" at .74 per ft.	No. of feet of 24" x 36" at \$1.51 per ft.	No. of feet of 36" at \$1.96 per ft.	Cost.	Granite Tops.		Covers.		Steps.		No. of lbs. at 20c. per lb.	No. of lbs. at 25c per lb	Cost.	No. at 2 1/2c. each.	Cost.	No. at \$9.00 per M.	Cost.	No. of bbls. at \$2.25 per bbl.	No. of bbls. at \$2.50 per bbl.	Cost.	No. of bushels at 5c. per bushel.	No. of bushels at 4c. per bushel	Cost.	No. of gallons at 18c per gallon.	No. of gallons at 20 1/2c per gallon.	Cost.	No. of bushels at 20c. per bushel.	Cost.	No. of bush. broken at 4c. per bush.	No. of lin. feet at 43c. per foot.	Cost.	No. of bundles at 15c. per bundle.	Cost.	Slants		Straight Pipe.		Lumber and Tools.	Material.	Labour.	Truckage.	Total.			
								No. at \$5.25 each.	No. at \$5.00 each.	Cost.	No. at \$2.80 each.	Cost.	No. at 14c. each.																								Cost.	No. of 9" at 58c. each.	No. of 6" at 16c. each	Cost.						No. of ft. of 12" at 32c.	No. of ft. of 15" at 47c.	Cost.
LeMarchant	South	150 S. Coburg Rd.	393.35	795.25			\$ 780 97						1170		\$234 00	2150	\$ 53 75	6040	\$ 54 36	20	\$ 50 00	132		\$ 6 60	94		\$ 1 74	12	\$ 2 40				587	\$ 88 05	14	\$2 24		\$100 00	\$1415 07	\$3719 09	\$165 14	\$5299 30						
Shirley	Louisburg	Chestnut	406.76	578.33			630 28	5	\$ 25 00	5	\$14 00	14	\$ 1 96	20	2 80	432		7650	68 85	21	57 50	132		\$ 5 48	13		2 44						40 65	10	1 60		20 00	974 63	2813 29	150 05	2937 97							
Young W.	Gottingen	Kempt Road			735.5	958	2988 18	6	31 50	6	16 80	26	3 64	95	645	180 25	1450	36 25	13074	117 67	66		148 50	431	17 24	32	6 56	21	4 20	48	9.5	\$6 01	1118	\$167 70	1	38	\$6 66	79	84	\$64 76	52 00	3715 48	7745 04	725 27	12185 79			
Totals			800.11	1373.58	735.5	958	\$4399 43	6	10	\$81 50	16	\$44 80	60	\$8 40	1697	645	\$500 65	4385	\$109 63	26764	\$240 88	66	41	\$256 00	132	568	\$29 32	224	32	\$10 74	33	\$6 60	48	9.5	\$6 01	1118	\$167 70	1	38	\$6 66	79	84	\$64 76	\$172 00	\$6105 18	\$14277 42	\$1040 46	\$21423 06

## Cost of 17 New Catchpits and 6 New Tops.

MATERIAL.	QUANTITY.	@	Cost.	PAY ROLL.		
				Date.	Labor.	Cartage
9 inch Crock Pipe .....	160 feet.....	\$0 21	\$ 33 60	March 23..	\$ 9 04	\$ 1 56
12 inch Crock Pipe .....	314 feet.....	0 32	100 48	April 6 ...	25 27	5 34
15 inch Crock Pipe .....	12 feet.....	0 47	5 64	May 18...	5 93	89
Old Box Grating .....	2 .....	1 00	2 00	June 1 ...	34 89	10 24
Curbs .....	23 .....	5 50	126 50	June 29...	19 23	5 13
Covers .....	23 .....	2 10	48 30	Aug. 10...	27 85	3 57
Outlet Grating .....	23 .....	0 54	7 82	Aug. 24...	24 74	3 13
Gravel .....	249 bushels..	0 04	9 96	Sept 7...	17 43	
Broken Stone .....	233 bushels..	0 04	9 32	Sept. 21...	47 84	6 02
Sand .....	237 bushels..	0 04	9 48	Nov. 2...	103 99	20 70
Pebbles .....	114 bushels..	0 06½	7 41	Nov. 16...	125 67	19 58
Cement .....	47½ barrels..	2 25	106 88	Nov. 30...	29 75	4 68
Kerosene Oil .....	4 gallons...	0 20½	0 82	Dec. 14...	65 31	6 68
Gutters .....	38 ft. 2 in...	0 43	16 41			
Dynamite .....	25 lbs .....	0 25	6 25		\$536 94	\$87 52
Electric Fuse .....	67 .....	0 02½	1 68			
Brush .....	17 bundles..	0 15	2 55			
			\$495 10			

## TOTAL COST.

Material .....	\$ 495 10
Labor .....	536 94
Cartage .....	87 52
	<u>\$1119 56</u>

## Granite, Curb and Gutter.

STREET.	Corner or Side.	FROM (OR AT).	To.	Length of Straight Curb.	Length of Corner Curb.	Length of Straight Gutter.	Length of Cor- ner Gutter.	Cost.	FOREMAN.	Additional cost of Grading or Re-surfacing.	REMARKS.
Robie	N. E.	Charles	.....	5' 5"	35' 8"	15' 11"	38' 8"	\$101 01	Downie	\$ 11 57	
"	N. E.	Willow	.....	11' 10"	15' 9"	21' 6"	15' 9"	54 84	"	222 57	
Campbell Rd	S. E.	Young	Southwardly	26' 2"	15' 9"	26' 2"	15' 9"	76 43	"	.....	
Pleasant	E.	Morris	Bishop	.....	.....	434' 0"	17' 6"	253 14	"	.....	
Lockman	W.	North	Northwardly	117' 6"	.....	123' 9"	.....	228 86	"	.....	
Barrington	S. W.	Buckingham	.....	15' 9"	15' 9"	.....	15' 9"	33 07	"	.....	
Young Ave.	S. W.	Atlantic	Northwardly	327' 0"	15' 9"	332' 0"	15' 9"	677 52	"	49 62	
Salter	S.	Hollis	Eastwardly	6' 8"	.....	172' 3"	18' 0"	212 39	"	134 81	Resetting Curb.
Morris	S. E.	"	.....	14' 0"	.....	14' 0"	17' 6"	50 55	"	.....	
Argyle	S. E.	Jacob	.....	.....	.....	.....	15' 0"	16 03	"	.....	
Maynard	W.	John's Lane	Cunard	724' 4"	43' 0"	739' 4"	43' 0"	1227 55	"	131 97	
Cunard	S	Maynard	Park	.....	.....	.....	.....	.....	Burley	.....	
North Park	E.	Cunard	John's Lane	17' 4"	4' 6"	22' 3"	4' 6"	.....	Downie	.....	
Lawrence	N.	Windsor	Westwardly	60' 10"	66' 0"	65' 10"	66' 0"	228 77	"	36 46	
Robie	W.	Quimpool Road	.....	247' 6"	.....	.....	.....	242 75	"	.....	
Fawson*	S.	Hollis	Eastwardly	.....	.....	.....	.....	.....	"	.....	

\*Concrete combined curb and gutter.

## Diagonal Crossings (Setts).

Barrington and Buckingham St. Cost, \$94.98. Foreman, Downie.

Argyle and Jacob St. Cost, \$53.48. Foreman, Downie.

### Cobble Gutters.

Willow St., N. & S. side Agricola to Robie St., Foreman Downey—815 ft....	\$52 30
Campbell Road, W. side of Rector Street, Foreman Downey—200 ft.....	83 56
Lawrence St., N. side, Windsor Street, West, Foreman Burley.....	

### Cement Sidewalks.

Armouries, Maynard, Cunard and Park St., 909.59 sq. yds., cost \$1402 71—Downie.	
Simpson Bros., at Pentagon Building, 31.67 sq. yds., cost 46 55—Downie.	

### Sodding Sidewalks.

Charles Street Church.....	.95 sq. yds., cost \$ 14 71 (@ 15½c.)
South Park Street.....	\$52.43 " " 123 22 (@ 24 c.)

## APPENDIX.

## Contracts, 1903-1904.

## WATER WORKS.

CONTRACTOR.	DESCRIPTION.	Quantity.	Rate.	Total.	Remarks.
John A. Thomson .....	Special Castings .....		.021 .....		Schedule Rate.
			.021 .....		
			.02 .....		
			.01 .....		
Glenfield & Kennedy, Ltd ..	6 in. valves .....	50 .....	£3 0 0 .....		
" ..	4 in. valves .....	25 .....	1 11 6 .....		
D. Y. Stewart & Co .....	6 in. x 9 ft. T. & B. c. i. water pipe .....	3000 feet .....	120, s. ton 2000 lb. ....		\$29.33 + duty \$5.33 = \$34.66 C. I. F.
	4 in. x 9 ft. T. & B. c. i. water pipe .....	10600 feet .....	125, s. ton 2000 lb. ....		\$30.55 + duty \$5.33 = \$35.88 C. I. F.
Neptune Meter Co. ....	2 in. meters .....	12 .....	50.00 .....	\$600 00	
" ..	1½ in. meter .....	12 .....	30.00 .....	360 00	

CONTRACTS 1903-04.—(Continued).

SEWERS.

Acadia Powder Co	Explosives—Powder		.05			
	Dynamite		.25			
	Detonators		.40			
	Fuse Hanks		.06			
	Electric Fuse		.02			
Gunn & Co	Bricks City Siding	50000	8.70			
	Bricks I. C. R. Depot		8.45			
Poor Asylum	Concrete per cw. ft.		.08			
Jas. Freda	Salt Sand		.03			
	Fresh Sand		.04			
	Gravel		.03			
	Pebbles		.06			
Beazley Bros	Fresh Sand	6386 bus	.02		\$150 65	
Wm. Stairs, Son & Morrow	White Cement, 400 lb. gross	550 bbls, 220000 lb	.53	51-100	1177 22	Price per 100 lbs.
	White Cement, 375 lb. gross	300 lbs	2.15			
Brookfield Bros.	9 in. drain pipe	1000 feet	.19		195 00	
	6 in. drain pipe	800 feet	.09		76 00	
	4 in. drain pipe	100 feet	.07		7 50	
	15 in. drain pipe	194 feet	.39		70 63	
W. McPatridge	12 in. drain pipe	180 feet	.45		81 00	
	12 in. drain pipe bends	10 feet	1.00		10 00	
	12 in. x 12 in. drain pipe T's	11 feet	1.00		11 00	
Austen Bros	Maltese Cross Hose	400 feet	1.10		440 00	Coupled.

FLOATING BATHS.

T. P. Mulcahy	Coopering Casks				\$45 00	
"	Large Casks		1.50			
"	Small Casks		1.00			

## CONTRACTS 1903-04.—(Continued).

## STREETS.

CONTRACTOR.	DESCRIPTION.	Quantity.	Rate.	Total.	Remarks.
City Prison .....	Hand Broken Stone .....		.03½		
J. W. Hamilton .....	Stone for Poor Association .....	33991 bus .....	.01 7-10 .....	\$ 577 81	
Poor Association .....	Breaking Stone .....	33991 bus .....	.04½	1503 71	
Wm. D. Yeadon .....	Granite—Straight Curb .....		.62		
	Corner Curb .....		.67		
	Corner Gutter .....		.64		
	Straight Gutter .....		.43		
	Straight Catchpit Curb .....		5.50		
	Corner Catchpit Curb .....		5.50		
	Sq Manhole Top .....		5.25		
	Round Manhole Top .....		7.50		
	Coalhole Top .....		6.00		
	Hatch Curb .....		.35		
Carritte, Patterson Mfg. Co. .....	Asphalt .....	84741 lbs .....	24.50 ton 2000 lbs .....	1038 07	
" .....	Refined Tar .....	4875 gals .....	.13		

## TEAMS AND STABLES.

H. McFtridge .....	Veterinary Services .....	14 horses .....	\$ 4 50 .....	\$ 63 00	For privilege.
W. D. Yeadon .....	Removal of Manure .....			16 00	



CONTRACTS 1903-04.—(Continued).

INTERNAL HEALTH.

W. N. Brown	Wheels—Sprinkler	1 Sett	35 00
	"	2 Rear	18 00
	"	2 Rear	20 00
	"	2 Front	18 00
	Ash Cart	2 Front	17 00
	"	2 Rear	18 00
Geo. Heaman	Studebaker Sprinklers	2	147 50
W. A. Hendry	Midden Pit		50 00
J. M. McGrath & Co	Teams for Street Cleaning	7	20 and 40 cts
Geo. Harvey	Horse and Driver for Sprinkler	1	\$3.50 day
	"	1	3.90 day

CITY PROPERTY.

R. T. Kinsman	Plumbing, Police Lavatory		225 00	
Bentley & Fleming	Lower Flagstaff, Parade		75 00	Ironed.
Walsh Bros	Printing interior City Hall		650 00	

MISCELLANEOUS.

John McInnes & Son	Lumber				Schedule Rates.
Black Bros	Hardware			808 92	
John Simon	Old Iron				
S. Cunard & Co	Coal—Hard, Egg, City Hall	140 tons, 2000 lbs	\$11.00 ton, 2000 lb.		
	Sydney	5 ch., 3000 lbs	6.75		
	Reserve	5 ch., 3000 lbs	6.65		
	" Stable and Workshop	7	8.15		
	Sydney	7 "	6.50		
	Acadia	5 "	7.00		
	" Roller	50 tons, 2000 lbs	7.25		
	" Drill	10 tons, 2000 lbs	7.25 ch.		
	" Nut, Crusher	50 tons, 2240 lbs.	4.50		
	Albion Slack, Blacksmith	12 tons, 2240 lbs.	4.90		

Certificate of Cost of Asphalt Sidewalks constructed under the Provisions of Sections 9 and 10  
of Chapter 45 of the Acts of 1902 during the Year 1903.

Number.	PROPERTY OWNER.	Area of asphalt sidewalk in front of property.	Cost of asphalt sidewalk per square yard.			Cost of laying asphalt in front of property.	Cost of grading, resetting, narrowing, filling up hatches, coal holes, etc.	Total cost of sidewalk in front of property.	One-half cost to be charged against property owner.	Cost of constructing, making, connecting, etc., drains, pits, rain leaders, spouts, etc.	Total amount to be charged to the property owner.
			Asphalting.	Grading.	Total.						
ROBIE STREET, East Sidewalk, and Charles Street, North Sidewalk, at Charles Street Church. (Ordered April 30th, 1903).											
.....	Trustees Charles St. Church .....	\$201 00	56	05	60	\$121 64	.....	\$121 64	\$60 82	.....	\$60 82
SALTER STREET, (South Sidewalk, between Water Street and Hollis Street. (Ordered June 11th, 1903.											
.....	Richard Cahill .....	33 70	39 2-3	02 7-8	42 1-2	14 32	1 22	\$15 54	7 77	.....	7 77
8	Patrick J. Sheehan .....	15 39	39 2-3	02 7-8	42 1-2	6 54	.....	6 54	3 27	.....	3 27
10	Michael Connors .....	17 50	39 2-3	02 7-8	42 1-2	7 43	.....	7 43	3 72	.....	3 72
12	Thomas Ead .....	13 00	39 2-3	02 7-8	42 1-2	5 52	2 47	7 99	4 00	.....	4 00
14	Patrick Sheehan .....	12 82	39 2-3	02 7-8	42 1-2	5 44	.....	5 44	2 72	.....	2 72
.....	H. H. Road .....	87 52	39 3-3	02 7-8	42 1-2	37 19	.....	37 19	18 00	.....	18 00
	Totals .....	\$170 03	\$71 34	\$6 18		\$76 52	\$3 69				

SOUTH PARK STREET, East Sidewalk, Inglis Street to Victoria Road and South Street to Spring Garden Road. (Ordered June 11th, 1903.

	A. E. Smith	137 00	40 3-8	06 1-2	46 7-8	64 22	64 22	32 11	32 11
15	Emeline Pickford	74 00	40 3-8	06 1-2	46 7-8	34 69	34 69	17 35	17 35
19	Henry W. Barnes	104 70	40 3-8	06 1-2	46 7-8	49 07	49 07	24 54	24 54
23	J. E. DeWolfe	63 50	40 3-8	06 1-2	46 7-8	29 76	29 76	14 88	14 88
27	Edward Donahoe	69 00	40 3-8	06 1-2	46 7-8	32 34	32 34	16 17	16 17
89	R. C. Episcopal Corporation	337 00	40 3-8	06 1-2	46 7-8	157 97	157 97	78 99	78 99
91	W. A. Black	69 00	40 3-8	06 1-2	46 7-8	32 34	32 34	16 17	16 17
93-57	Andrew Bayne	47 00	40 3-8	06 1-2	46 7-8	22 03	22 03	11 02	11 02
99-101	George Wright	174 00	40 3-8	06 1-2	46 7-8	81 56	81 56	40 78	40 78
105	George Mitchell	27 50	40 3-8	06 1-2	46 7-8	12 89	12 89	6 45	6 45
107	L. M. Smith	37 84	40 3-8	06 1-2	46 7-8	17 73	17 73	8 87	8 87
111	Heirs of Allison Smith	73 90	40 3-8	06 1-2	46 7-8	34 64	34 64	17 32	17 32
113	W. G. Jones	44 50	40 3-8	06 1-2	46 7-8	20 86	20 86	10 43	10 43
115	Mrs. C. S. Harrington	67 00	40 3-8	06 1-2	46 7-8	20 86	20 86	10 43	10 43
119	J. A. Johnson	60 00	40 3-8	06 1-2	46 7-8	31 68	31 68	15 84	15 84
121	J. E. Roy	115 40	40 3-8	06 1-2	46 7-8	28 12	28 12	14 06	14 06
127	Alex. Stephen	85 00	40 3-8	06 1-2	46 7-8	54 09	54 09	27 05	27 05
131	Mrs. Mary Hayden	26 00	40 3-8	06 1-2	46 7-8	39 84	39 84	19 92	19 92
135	J. J. Brenner	38 40	40 3-8	06 1-2	46 7-8	12 19	12 19	6 10	6 10
137	J. H. Harvey	31 08	40 3-8	06 1-2	46 7-8	18 00	18 00	9 00	9 00
139	Mrs. Catherine Grant	57 00	40 3-8	06 1-2	46 7-8	14 56	14 56	7 28	7 28
143	James Gordon	25 85	40 3-8	06 1-2	46 7-8	26 72	26 72	13 36	13 36
145	J. McD. Taylor	22 95	40 3-8	06 1-2	46 7-8	12 11	12 11	6 06	6 06
147	M. C. Mumford	48 20	40 3-8	06 1-2	46 7-8	10 75	10 75	5 38	5 38
149	W. F. Smith	34 00	40 3-8	06 1-2	46 7-8	22 59	22 59	11 30	11 30
	Henry Romans	74 70	40 3-8	06 1-2	46 7-8	15 94	15 94	7 97	7 97
	James Sutherland					35 01	35 01	17 51	17 51
		\$1980 62	\$804 23	\$128 83		\$932 56			

COST OF CONCRETE SIDEWALKS CONSTRUCTED.—(Continued).

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CITY ENGINEER'S REPORT.

Number.	PROPERTY OWNER.	Area of asphalt sidewalk in front of property.	Cost of asphalt sidewalk per square yard.			Cost of laying asphalt in front of property.	Cost of grading, resetting, marring, filling up hatches, coal holes, etc.	Total cost of sidewalk in front of property.	One-half cost to be charged against property owner.	Cost of constructing, making, connecting, etc., drains, pits, rain leaders, spouts, etc.	Total amount to be charged to the property owner.
			Asphalting.	Grading.	Total.						
BISHOP STREET, South and North Sidewalks, between Water Street and Hollis Street. (Ordered August 6th, 1903).											
6	James McDonald .....	44 70	37	05	42	18 77	.....	18 77	9 39	.....	9 39
10	Logan & Sutherland, T. G. Dunlap, Agent .....	20 00	37	05	42	8 40	.....	8 40	4 20	.....	4 20
12	James A. Adams .....	18 25	37	05	42	7 66	.....	7 66	3 83	.....	3 83
14-16	Michael Houlihan .....	32 64	37	05	42	13 70	.....	13 70	6 85	.....	6 85
18	Dennis Lynch .....	45 60	37	05	42	19 15	.....	19 15	9 58	.....	9 58
.....	B. H. Collins .....	37 50	37	05	42	15 75	.....	15 75	7 88	.....	7 88
5	John McInnes .....	62 51	37	05	42	26 25	.....	26 25	13 13	.....	13 13
7-9	Timothy Donovan .....	28 78	37	05	42	12 08	.....	12 08	6 04	.....	6 04
13-15	W. N. Wickwire, M. D .....	47 74	37	05	42	20 05	.....	20 05	10 03	.....	10 03
.....	Mrs. Rebecca Matson .....	61 08	37	05	42	25 05	.....	25 05	12 83	.....	12 83
		\$398 80	\$148 61	\$19 53		\$168 14					

I certify the foregoing statement to be correct.

CITY ENGINEER'S OFFICE, December 31st, 1903.

F. W. W. DOANE, *City Engineer.*

**Certificate of Cost of Brick Sidewalks Constructed under the Provisions of Sections 9 and 10 of Chapter 45 of the Acts of 1902, during the Year 1903.**

Number.	PROPERTY OWNER.	Area of brick sidewalk in front of property.	Cost of brick sidewalk per square yard.	Total cost of laying sidewalk in front of property.	Amount to be charged to the property owner one-half cost.
PLEASANT STREET, East Sidewalk, between Morris Street and Bishop Street. (Ordered June 11th, 1903).					
.....	Mrs. Eliza Kirkpatrick.....	108.17	\$0 24	\$ 25 96	\$ 12 98
227	Charles C. Blackadar.....	174.91	0 24	41 97	20 99
229-231	J. M. Allen.....	64.41	0 24	15 45	7 73
233	N. E. McKay, M. D.....	36.46	0 24	8 75	4 38
235	H. V. Pearman.....	27.95	0 24	6 70	3 35
237	Thomas H. Renner.....	71.13	0 24	17 07	8 54
239	Trustees St. Matthew's Church.....	38.94	0 24	9 34	4 67
241	A. W. H. Lindsay.....	44 62	0 24	10 70	5 35
	Totals.....	566.59	0 24	\$136 05	

I hereby certify the foregoing statement to be correct.

F. W. W. DOANE, *City Engineer.*

CITY ENGINEER'S OFFICE, Jan. 2nd, 1904.

**Detailed Cost of Sidewalks.**

**ROBIE ST. AND CHARLES ST.**

Asphalt, 2,860 lbs., at 1 $\frac{1}{4}$ c .....	\$ 35 75
Tar, 185 gals., at 13c .....	24 03
F. W. sand, 288 bus., at 5c.....	14 40
Wood $\frac{1}{2}$ cord at \$4.50 .....	1 13
Labor and cartage payroll June 1st., 1903.....	37 03
	<u>\$ 112 34</u>
<b>GRADING.</b>	
Payroll .....	9 30
<b>SODDING 95 YARDS.</b>	
Payroll.....	14 71
	<u>\$ 136 35</u>

## SALTER ST.

Asphalt 1617 lbs., at 1¼c .....	\$ 20 21	
Tar, 65½ gals., at 13c .....	8 52	
F. W. Sand, 208 bus., at 6½c .....	13 52	
Wood, 1½ cords at \$4.50 .....	6 75	
Kerosene oil, 2 gals., at 20½c .....	41	
Waste 1 lb .....	06	
Payroll August 24, 1903 .....	13 96	
Payroll September 7, 1903 .....	7 91	
		\$ 71 34
Grading Payroll .....		5 18
Resetting hatches .....		3 69
		<u>80 21</u>

## SOUTH PARK ST.

Asphalt, 14699 lbs., at 1¼c .....	\$183 74	
Tar, 1111 gals., at 13c .....	144 43	
F. W. Sand, at 6½c .....	158 47	
Wood, 6½ cords, at \$4.50 .....	29 25	
Kerosene oil, 8 gals., at 20½c .....	1 64	
Waste, 4 lbs., at 6c .....	24	
Payroll, August 10, 24, September 21, October 5 .....	286 46	
		804 23
Grading payroll, July 27, August 10, 24, September 21, October 5 .....		128 83
Sodding, 853½ yards .....		123 22
Gravelling border .....		13 89
		<u>\$ 1070 17</u>

## BISHOP ST.

Asphalt, 3360 lbs., at 1¼c .....	\$ 42 00	
Tar, 137½ gals., at 13c .....	17 85	
F. W. Sand, 432 bus., at 6½c .....	28 08	
Kerosene Oil, 2 gals., at 20½c .....	41	
Wood, 2 cords, at \$4.50 .....	9 00	
Payroll, September 7, 21 .....	51 27	
		\$ 148 61
Grading payroll, August 24, September 7, 21 .....		19 54
		<u>\$ 168 14</u>

## PLEASANT ST.

Cement, 10½ lbs., at \$2.25 .....	\$ 23 63	
Sand, 43 bus., at 4c .....	1 72	
Payroll, June 29, July 13 .....	110 70	
		<u>\$ 136 05</u>