

New Hydrants, 1901.

STREET.	LOCATION.	Kind.	Service.	Size of Pipe in inches.	Length of Pipe in feet.	Number of Nozzles.	Distance valve from hydrant.	REMARKS.
Cogswell....	Opp. Gottingen City..	High..	High..	4	.....	3	.....	Military.

Old Hydrants Replaced with Frost Jacket Hydrants, 1901.

STREET.	LOCATION.	Kind.	Service.	Size of Pipe in inches.	Length of Pipe in feet.	Number of Nozzles.	Distance valve from hydrant.		REMARKS.
							FT.	IN.	
Queen	Opp. Tobin....	City..	Low..	6	.....	3	7	7	
Jacob.....	Cor. Water....	"	"	6	.....	3	3	2	
Campbell rd.	350' N. of Young	"	"	6	.....	3	4	6	
Inglis.	Cor. South Park	"	"	6	.....	3	12	5	
Pleasant....	Opp. Gas Lane.	"	"	6	.....	2	3	10	

Summary of Hydrants. 1901.

Number of Hydrants on Streets, April 30th, 1901.....	363
" " Wharves	20
" " Military and Naval Property	19
" " Private Property	13
Total number in use April 30th, 1901.....	415
Set on Military Property in 1901.....	1
Total number in use April 30th, 1902.....	416

Location and Size of Valves Set, 1901.

STREET.	LOCATION.	Size.	Service.
Plover	28' 6" N. E. cor. of Owen St. North cor. S'	6	L.
Owen	6' 5" E. of Manhole opposite View St.	6	L.
Chebucto Road..	36' 4" S. W. cor. of Windsor, 29' 6" W. of Manhole	6	H.
Williams.	35' 6" N. E. cor. of Windsor	6	H.
Summer	38' 2" S. E. cor. of College	6	H.

Hydrant Valves.

STREET.	LOCATION.	Size.	Service.
Cogswell.....	Opposite Gottingen, Military, 36' 5" N. E. cor. Gottingen 25' 0" S. W. cor. W. of steps of Gymnasium	6	H.
Campbell Road..	350' N. of Young 4' 6" from Hydrant.....	6	L.
Inglis	Corner S. Park 2' 5" "	6	L.
Jacob	Corner Water 3' 2" "	6	L.
Queen	Opposite Tobin 7' 7" "	6	L.
Pleasant	Opposite Gas Lane 3' 10" "	6	L.

Total Number of Valves, Main and Distribution Services,
April 30th, 1902.

	27"	24"	20"	15"	12"	9"	6"	4"	3"	1½"	1¼"	1"	¾"	Hydrant Valves 6"	
In use April 30th, 1901.....	1	8	2	29	55	65	309	58	148	1	9	2	11	54	752
Set during 1901-02.....	..	..	..	..	..	..	5	..	..	..	..	..	..	6	11
	1	8	2	29	55	65	314	58	148	1	9	2	11	60	763

Pipe Stock on Hand December 31st, 1901.

No. of Pieces.	Diameter in inches.	Weight of one, in lbs.	Total weight in lbs.	Val. per lb. in cts.	Total Value.	Remarks.
3	27	2870	8610	1 $\frac{3}{4}$	\$ 150 67	Class A, T. & B. 12 ft
2	27	3206	9606	1 $\frac{3}{4}$	168 10	" B, " 12 ft
1	27	3658	3658	1 $\frac{3}{4}$	64 01	" C, " 12 ft
4	20	1504	6016	1 $\frac{3}{4}$	105 28	
10	15	1200	12000	2 $\frac{1}{4}$	270 00	
4	12	900	3600	2 $\frac{1}{4}$	81 00	12 feet long.
13	10	550	7150	2 $\frac{1}{4}$	160 87	
173	9	500	86500	2 $\frac{1}{4}$	1946 22	
36	8	386	13896	2 $\frac{1}{4}$	312 66	
1046	6	280	292880	2 $\frac{1}{4}$	6589 80	9 feet long.
279	6	380	106020	2 $\frac{1}{4}$	2385 45	12 feet long.
17	5	222	3774	2 $\frac{1}{4}$	84 91	
197	4	156	30732	2 $\frac{1}{4}$	691 47	9 feet long.
162	4	204	33048	2 $\frac{1}{4}$	743 58	12 feet long.
18	3	130	2340	2 $\frac{1}{4}$	52 40	9 feet long.
6	3	170	1020	2 $\frac{1}{4}$	22 95	12 feet long.
273	.....	26	7098	2 $\frac{1}{4}$	159 70	Stand pipes.
281	.....	12	3362	2 $\frac{1}{4}$	75 64	Plates.
382	.....	6	2292	2 $\frac{1}{4}$	51 57	Caps.
203	.....	18	3654	2 $\frac{1}{4}$	82 21	Sleeves for service.
254	.....	4	1016	2 $\frac{1}{4}$	22 86	Caps for service.
174	.....	2	348	2 $\frac{1}{4}$	7 88	Thimbles for service
			638620	.....	\$14229 23	

PIPE—Specials.

No. of Pieces.	Diameter in Inches.	DESCRIPTION.	Weight of one in lbs.	Total weight in lbs.	Value per lb. in cents.	Total Value.
2	27	Bell Mouth.....	831	1662	2 $\frac{1}{4}$	37 39
13	27	Bevel Collars.....	798	10335	3	310 05
1	27	Plain, special, 2 feet long, Class A.....	404	404	1 $\frac{3}{4}$	7 07
1	27	" 2 " " " B.....	460	460	"	8 05
1	27	" 3 " " " B.....	700	700	"	12 25
1	27	" 4 " " " B.....	920	920	"	16 10
1	27	" 5 " " " B.....	1248	1248	"	21 84
2	27	" 5 " " " B.....	1144	2288	"	40 04
1	27	" 3 " " " C.....	820	820	"	14 35
1	27	" 3 " " " C.....	930	930	"	16 27
1	27	" 4 " " " C.....	1068	1068	"	18 69
1	27	" 5 " " " C.....	1332	1332	"	23 31
1	24	Bevel Collars.....	688	688	3	20 64
12	24	Thimbles.....	396	4752	2 $\frac{1}{4}$	106 92
1	24	Cap.....	290	290	"	6 52
6	24	Split Thimbles.....	620	3720	2 $\frac{1}{2}$	93 00
1	24	Y Branch, 24"x24".....	2372	2372	2 $\frac{1}{4}$	53 37
4	20	Thimbles.....	230	920	"	20 70
1	20	Split Thimbles.....	453	453	2 $\frac{1}{2}$	11 32
3	15	4 way branch.....	896	2688	2 $\frac{1}{4}$	60 48
3	15	4 way branch, 15"x6".....	660	1980	"	44 55
1	15	3 way branch.....	812	812	"	18 27
2	15	Y's.....	1112	2224	"	50 0
4	15	Thimbles.....	234	936	"	21 06
1	15	3 way branch, 15"x12"x6".....	580	580	"	13 30
1	15	Reducing to 6".....	400	400	"	9 00
9	15	Split Thimbles.....	260	2340	2 $\frac{1}{2}$	58 50
1	12	4 way branch.....	615	615	2 $\frac{1}{4}$	13 84
4	12	4 " 12"x9".....	500	2000	"	45 00
4	12	4 " 12"x6".....	475	1900	"	42 77
2	12	3 " 12"x12".....	524	1048	"	23 58
3	12	3 " 12"x9".....	494	1482	"	33 34
1	12	3 " 12"x6".....	469	469	"	10 55
2	12	Reducing to 9".....	240	480	"	11 00
8	12	" 6".....	200	1600	"	36 00
2	12	Reducing with faucets.....	200	400	"	9 00
17	12	Thimbles.....	160	2720	"	61 20
5	12	Caps.....	45	225	"	5 06
2	12	Saddles 12"x4".....	90	180	"	4 05
3	12	Split Thimbles.....	222	2886	2 $\frac{1}{2}$	67 93
2	9	6 way branches 9"x9"x9"x3".....	450	900	2 $\frac{1}{4}$	20 25
6	9	3 " 9"x9".....	355	2130	"	47 92
11	9	3 " 9"x6".....	335	3685	"	82 91
7	9	Reducing 9"x6".....	157	1099	"	24 73
3	9	Offsets.....	156	468	"	10 93

PIPE SPECIALS.—(Continued.)

No. of Pieces.	Diameter in Inches.	DESCRIPTION.	Weight of one in lbs.	Total weight in lbs.	Value per lb in cents.	Total Value.
8	9	Thimbles.....	112	896	"	20 16
1	9	Saddle 9"x4".....	45	45	"	1 01
1	9	" 9"x3".....	40	40	"	90
22	9	Split Thimbles.....	139	3058	"	68 80
7	9	Caps.....	34	238	"	5 35
6	6	4 way branches.....	255	1530	2 $\frac{1}{4}$	34 42
4	6	3 " 6"x6".....	209	836	"	18 81
7	6	3 " 6"x3".....	131	917	"	20 63
6	6	Reducing to 4", no faucet.....	114	1539	"	34 63
6	6	" 3".....	105	630	"	14 17
7	6	" 3", with faucet.....	114	798	"	17 95
15	6	Thimbles.....	75	1125	"	25 31
8	6	Offsets.....	140	1120	"	25 20
28	6	Caps.....	19	532	"	11 97
3	6	Bends.....	140	420	"	9 45
8	6	Split Thimbles.....	92	736	2 $\frac{1}{3}$	18 44
22	4	4 way branches.....	123	2706	2 $\frac{1}{4}$	60 88
6	4	3 ".....	114	684	"	15 39
6	4	Reducing to 3".....	84	504	"	11 34
6	4	Offsets.....	66	396	"	8 91
7	4	Bends.....	88	616	"	13 86
9	4	Thimbles.....	29	261	"	5 87
5	4	Split Thimbles.....	64	320	2 $\frac{1}{4}$	8 00
8	3	Crosses.....	90	720	2 $\frac{1}{4}$	16 20
3	3	3 way branches.....	60	180	"	4 05
16	3	Split Thimbles.....	48	768	2 $\frac{1}{3}$	19 20
9	3	Thimbles.....	36	324	2 $\frac{1}{4}$	7 29
1	3	Bend.....	40	40	"	90
1	3	3 way branch 3"x2".....	55	55	"	1 25
18	5	Main stopcock caps.....	16	288	"	6 48
6	2	4 way branches.....	30	180	"	3 05
2	2	Angle branches.....	23	46	"	1 04
8		Fire hydrants.....			66.50	532 00
25		Castings for fire hydrants.....	418	10450	3	313 50
14		Bases " " ".....	140	1960	"	58 80
22		Jackets " " ".....	340	7480	"	294 40
11		Extension pieces for fire plugs.....	124	1364	"	40 92
25		Cast iron caps for fire plugs.....	5	125	"	3 75
28		" " suction hose.....	9	342	"	10 26
6		Brass nozzles for fire plugs.....	2 $\frac{1}{2}$	15	60	9 00
3		" " suction hose.....	5 $\frac{1}{2}$	16	"	9 60
		Brass castings, all sorts.....	125	125	35	43 75
		Tin tubing.....	300	300	33	90 00
		Refined iron.....	500	500	1 $\frac{1}{2}$	12 50
12		Cast iron tops for spindles cocks.....	5	60	2 $\frac{1}{2}$	1 50
2		Bases for fire plugs 6"x3" outlet.....	150	150	3	4 50

Joint Staves.

For 6 inch pipes.	For 9 inch pipes.	For 12 inch pipes.	For 15 inch pipes.	For 20 inch pipes.	For 24 inch pipes.	Keys.	Cost of each.	Total.
1500	3000	2000	2700	600	7500	1600	\$0 01 $\frac{1}{2}$ 0 00 $\frac{1}{2}$	\$216 25 4 00

Valves.

No. of pieces.	Size in inches.	DESCRIPTION.	Weight of one in lbs.	Total weight in lbs.	Value of each.	Total value.
1	12	Regulating valve				\$206 66
1	6	"				103 33
4	15	Stopcock valves			\$60 00	240 00
3	12	"			40 00	120 00
10	9	"			25 77	257 70
39	6	"			17 49	682 11
11	4	"			15 00	165 00
4	3	"			12 00	48 00
5	1	Service cocks			2 50	12 50
8		"			2 00	16 00
4		Service cock curb			2 25	9 00
12		"			1 60	19 20
12		Service cocks at main			1 50	18 00
4	15	Gun metal spindles	28	112	60	67 20
4	9	"	14	56	60	33 60
7	6	"	9	63	60	37 80
14	4	"	6	84	60	50 40
2	3	"	5	10	60	6 00

Meters in Stock.

Number.	Size in inches.	DESCRIPTION.	Value of each.	Total value.
8	6	Siemens' meters	\$143 42	\$1147 36
5	4	“	86 75	433 75
13	3	“	65 67	853 71
5	2	“	44 65	223 25
2	1½	“	34 42	68 84
10	1½	“	29 16	291 60
14	1	“	21 50	301 10
17	¾	“	15 50	263 50
56	¾	“	14 50	812 00
178	¾	Trident meters	11 97	2130 66
1	¾	Nash “	14 49	14 49
1	¾	Empire “	14 49	14 49
1	¾	Disc “	12 34	12 34
2	¾	Hersey “	21 05	42 10
1	¾	Niagara, Buffalo meters	13 19	13 19
2	¾	Frost meters	31 42	62 84
1	¾	Crown meters	49 25	49 25
1	¾	Water Meter Co., Boston		

Miscellaneous.

Number.	DESCRIPTION.	Value of each.	Total Value.
1	Pipe tapping machine		\$127 60
1	5 H. P. steam engine and pump		625 00
3	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
1	Pipe tapping machine		80 00
.....	Tape packing for meters		70 00
3	Lathes		200 00
5	Pressure gauges	10 00	50 00
.....	Blacksmith tools		100 00

Recapitulation.

DESCRIPTION.	No. of Pieces.	No. of Pounds.	Value.
Pipes	1972	6386.20	\$14229 23
Specials			2157 05
Joint staves	17300		220 25
Valves	114		2092 50
Meters			6734 47
Miscellaneous			1815 18
	19386	6386.20	\$27248 60

Rented Domestic Hydrants, 1901.

STREET.	LOCATION.
Cedar	N. E. corner Louisburg Street.
Wellington	S. W. corner Lundy Lane.
Duncan	North side.
"	North East corner Harvard Street.
Preston	South West corner Jubilee Road.
"	South West corner Quinpool Road.
Tower Road	At Fay's Lane.
Duffus	Corner Gottingen Street.
Oak	South East corner Beech Street.
Sullivan	Opposite May's Brewery.

Free Pumps Maintained by City, 1901.

No.	LOCATION.
1	Leahyville.
1	Lady Hammond Road.
1	Kempt Road.
1	Duffus Street.
1	Afrieville.
1	N. Kline.
1	Campbell Road.

Hydraulic Hoists in Operation, 1901.

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

MOTORS.

St. Luke's Church.....	Organ	3 inch	Meter
Brunswick St. Church, (Methodist).....	"	2 "	Indicator...

Drinking Fountains, 1901.

NUMBER.	LOCATION.
1	Market Square.
1	St. Paul's Street near Barrington Street.
1	Lockman Street immediately north of North Street.
2	Public Gardens.

ORNAMENTAL FOUNTAINS.

3	Public Gardens.
1	Dr. Bennett's lawn, Mumford Road.

Service Pipes Laid in 1901.

Number.	Name of Owner or Agent.	Location of Premises.	No. of Stopcock.		Purpose for which water is used.
			No.	Size of Pipe.	
1	City	N. side Sullivan	6672		Hydrant.
2	City	N. W. cor. Mott & Seldon	6673		" "
3	Mary Eustace	W. side Creighton	6674		Dwelling.
4	Thos. Stroud	E. side Clifton	6675		" "
5	B. Guthro	W. side Edward	6676		" "
6	I. Creighton	N. side Roome	6677		" "
7	A. W. Richardson	W. side Agricola	6678		" "
8	Diocese of Nova Scotia	N. side Duncan	6679		" "
9	"	"	6680		" "
10	Herald Publishing Co	S. side George	6681	3	Printing.
11	City	S. side College	6682	1	Stables.
12	J. R. Theakston	E. side Agricola	6683	1/2	Dwelling.
13	W. H. Studd	N. side North	6684		" "
14	Catherine Revels	E. side Campbell Road	6685		" "
15	E. McDonald	N. side Shirley	6686		" "
16	G. McG. Mitchell	N. side Rhuland	6687		" "
17	City	N. E. cor. Duncan & Harvard	6688		Hydrant.
18	Geo. E. Boak	S. side Fenwick	6689		Hot House.
19	J. W. Day	S. side Atlantic	6690		Dwelling.
20	City	W. side Stock Yard	6691		Hydrant.
21	J. F. Irwin	W. side Windsor	6692		Dwelling.
22	Robt. Bayers	E. " "	6693		" "
23	City	S. E. cor. Oak & Beach	6694		Hydrant.
24	N. Smith	E. side Creighton	6695		Stable
25	W. A. Bowden	W. side Kempt Road	6696		Dwelling.
26	Laurence Mahar	N. side Cunard	6697		Shop.
27	Geo. H. Bowen	W. side Campbell Road	6698		Dwelling.
28	Patrick Gray	E. side Parker	6699		" "
29	Ellen Munro	E. side Union	6700		" "
30	S. N. Hamilton	S. side Macara	6701		" "
31	A. A. Lovitt	N. side Williams	6702		" "
32	Hannah Churchill	E. side Walnut	6703		Dwelling & shop.
33	Daniel Hennigan	W. side Edward	6704		Dwelling.
34	School Commissioners	E. side Brunswick	6705		School.
35	Convent Sacred Heart	N. side College	6706		" "
36	E. A. Gibson	S. side Chebucto Road	6707		Dwelling.
37	W. C. Hodgson	" "	6708		" "
38	W. G. Richards	N. side Willow	6709		" "
39	Joseph Driggs	W. side Gottingen	6710		" "
40	H. W. Wentzell	N. side Willow	6711		" "
41	Sarah Selig	E. side School	6712		" "
42	Elizabeth McGowan	W. side Campbell Road	6713		" "

DETAILED PRECIPITATION FOR THE YEAR 1901.—(Continued.)

CITY OF HALIFAX.												
Day.	July.		August.		September.		October.		November.		December.	
	Duration in hours.	Inches.	Duration in hours.	Inches.	Duration in hours.	Inches.	Duration in hours.	Inches.	Duration in hours.	Inches.	Duration in hours.	Inches.
1	.....	.....	0·2	·005	.....	.....	.....	.....	.....	.....	.....	.....
2	.....	L	.....	.....	.....	.....	.....	.....	1·5	·151	.....	.....
3	.....	.....	.....	T	2·6	·153	13·0	·962	.....	.....	·9	·016
4	.....	.....	2·8	·140	.....	.....	12·6	2·996	.....	.....	10·0	2·083
5	.....	.....	4·0	·292	.....	.....	.....	.....	.....	.....	.....	T
6	.....	.....	.....	.....	.....	.....	.....	5	T	.....	.....	.....
7	8·0	·489	.....	.....	.....	.....	1·8	·014	.....	.....	.....	.....
8	.....	·012	5·0	·393	.....	.....	.....	.....	.....	.....	.....	.....
9	1·3	T	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
10	.....	.....	.....	.....	.....	.....	.....	.....	2·7	·021	2·0	·070
11	6·1	·260	.....	T	.....	.....	.....	.....	.....	.....	.....	.....
12	1·6	·050	.....	8	0·3	·010	.....	.....	.....	.....	.....	.....
13	.....	.....	10·8	1·444	4·1	·242	2·5	·017	6·0	1·064	2·5	·023
14	.....	.....	1·2	·064	.....	.....	2·0	·010	2·0	·060	.....	T
15	.....	.....	.....	·010	.....	T	2·1	·315	3·0	·024	3·0	·010
16	0·7	·050	2·0	·050	4·1	·112	.....	.....	3	·010	4·0	·405
17	.....	.....	.....	.....	1·0	·092	6	·010	.....	.....	1·5	·010
18	.....	.....	2·0	·070	5·0	·446	6·0	·288	.....	.....	8·0	·470
19	.....	·014	.....	.....	14·5	1·421	4	·007	0·8	T	5·0	·200
20	.....	.....	.....	.....	1·0	·014	2·6	·138	2·0	·002	8·0	·230
21	.....	.....	.....	.....	7·5	2·340	2·5	·022	.....	.....	11·0	·770
22	.....	·026	.....	.....	.....	.....	3·0	·093	.....	.....	.....	.....
23	.....	.....	.....	.....	.....	.....	.....	.....	0·6	T	3·0	·132
24	1·5	·051	.....	.....	.....	.....	2·0	·023	.....	.....	5·0	·532
25	5	·003	2·0	·070	.....	.....	.....	.....	12·6	1·210	2·6	·033
26	.....	.....	8·5	1·113	.....	.....	.....	.....	4·5	·018	5	T
27	.....	.....	.....	.....	.....	.....	1·1	·011	1·5	T	13·5	1·250
28	.....	.....	.....	.....	.....	.....	.....	.....	5	T	5·0	·160
29	.....	.....	.....	.....	4·0	·093	.....	.....	1	T	7·1	1·501
30	8·0	·350	.....	.....	14·8	1·950	.....	.....	.....	.....	14·0	·623
31	5·2	·280	.....	.....	.....	.....	.....	.....	.....	.....	3·0	·055
Total.	.....	1·585	.....	3·656	.....	6·872	.....	4·906	.....	2·560	.....	8·573

Snow fell on 47 day.

Rain and snow fell on 195.

DETAILED PRECIPITATION FOR THE YEAR 1901.—(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	.05	.....	.....	.05	.49	.....	.....	.....	.....	1.17	.....	.....
2	.....	.....	.05	.....	.68	.....	.....	.02	.....	.....	.17	.....
3	.04	.17	.11	.....	.10	1.64	.....	.55	.07	.55	.18	2.07
4	.....	.....	.48	1.54	.02	.....	.....	.....	.....	3.36	.....	.39
5	.....	.....	.21	4.18	.04	.....	.....	.04	.....	.12	.....	.....
6	.30	.....	.05	.22	.....	.....	.31	.....	.....	.....	.....	.....
7	.....	.....	.....	.81	.....	.....	.33	.28	.....	.05	.....	.....
8	.11	.....	.21	.16	.....	.87	.....	.21	.....	.....	.....	.....
9	.06	.....	.17	.....	.....	.....	.05	.....	.....	.....	.....	.....
10	.....	.06	.....	.....	1.27	.....	.22	.02	.....	.....	.02	.17
11	1.79	.....	1.56	.....	.23	.....	.08	.....	.....	.....	.01	.....
12	.....	.25	.05	.....	.65	.07	.....	.....	.34	.....	.....	.....
13	.....	.24	.....	.12	.....	.....	.....	1.04	.05	.03	.....	.04
14	.....	.07	.11	.....	.....	.19	.....	.11	.....	.02	1.15	.....
15	.45	.....	.04	.....	.....	.....	.06	.07	.15	.02	.16	.03
16	.86	.....	.....	.....	.....	.....	.....	.02	.02	.34	.11	.52
17	.38	.....	.....	.....	.02	.....	.....	.04	.10	.....	.....	.54
18	.....	.....	.....	.14	.....	.....	.03	.....	.79	.22	.....	.08
19	.14	.....	.....	.03	.....	.....	.....	.....	1.02	.18	.....	.20
20	.....	.....	.....	.05	.....	.....	.....	.....	2.26	.14	.04	.08
21	.....	.04	.42	.05	.....	.23	.03	.....	.....	.....	.....	.70
22	.11	.07	.06	.41	.10	.03	.....	.....	.....	.07	.....	.....
23	1.36	.67	.....	.81	.25	.08	.....	.....	.....	.09	.....	.12
24	.....	.09	.....	.04	.03	3.47	.08	.....	.....	.27	.....	.64
25	.42	.06	.....	.95	.....	.13	.....	1.32	.....	.....	1.47	.10
26	.40	.....	.....	.....	.92	.....	.....	.04	.....	.....	.46	.....
27	.....	.....	1.21	.....	.93	.08	.....	.....	.....	.....	.04	1.95
28	.....	.....	.....	.....	.10	.....	.....	.....	.....	.....	.13	.....
29	.....	.....	.29	.....	.09	.....	.....	.....	.....	.....	.08	1.81
30	.....	.....	.18	.....	.....	.....	.51	.....	1.46	.....	.....	.54
31	1.43	.....	.22	.....	.....	.....	.41	.....	.....	.03	.....	.37
Total	7.90	1.72	5.42	9.56	5.92	6.84	2.06	3.76	6.26	6.66	4.02	10.35

Total for the year 70.47 inches.

DETAILED PRECIPITATION FOR THE YEAR 1901.—(Continued.)

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	.08	.....	.....	.09	.....	.....	.....	.04	.....	.....	.....	.....
2	.....	.....	.05	.....	.....	.....	.....	.....	.....	.....	.28	.....
3	.03	.13	.....	.....	.86	.....	.....	.....	.05	.85	.....	.....
4	.03	.....	.71	.30	.20	1.38	.....	.14	.....	3.00	.....	3.13
5	.....	.05	.18	3.06	.10	.....	.....	.21	.....	.....	.....	.....
6	.....	.....	.22	1.76	.....	.....	.....	.....	.....	.....	.....	.....
7	.....	.....	.....	.....	.....	.....	.29	.....	.....	.....	.....	.....
8	.31	.....	.16	.78	.....	.02	.....	.34	.....	.....	.....	.....
9	.....	.....	.38	.....	.....	.80	.....	.....	.....	.....	.....	.....
10	.....	.....	.....	.....	.....	.03	.....	.....	.....	.....	.....	.....
11	.07	.07	.....	.....	.67	.....	.25	.....	.....	.....	.....	.10
12	1.12	.....	1.34	.....	.77	.12	.07	.03	.03	.....	.....	.04
13	.74	.35	.....	.....	.51	.03	.....	1.26	.20	.....	.87	.....
14	.....	.07	.....	.....	.29	.25	.....	.....	.....	.05	.05	.04
15	.....	.....	.16	.....	.....	.04	.....	.....	.07	.43	.16	.....
16	.....	.....	.....	.....	.....	.....	.06	.05	.15	.....	.....	.44
17	.48	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
18	.42	.....	.....	.....	.....	.....	.....	.06	.....	.44	.....	.56
19	.....	.....	.....	.15	.....	.....	.03	.....	1.47	.....	.....	.15
20	.....	.....	.....	.03	.....	.....	.....	.....	.....	.10	.04	.....
21	.13	.....	.13	.....	.....	.....	.....	.....	2.16	.04	.....	.53
22	.....	.04	.29	.15	.....	.16	.04	.....	.....	.10	.....	.....
23	.....	.04	.....	1.43	.08	.....	.....	.....	.....	.02	.....	.....
24	1.38	.81	.....	.02	.....	3.72	.....	.....	.....	.18	.....	.98
25	.07	.....	.....	.08	.17	.33	.08	.....	.....	.01	1.28	.20
26	.20	.06	.....	.41	.....	.....	.....	1.25	.....	.....	.16	.04
27	.53	.....	.33	.....	.12	.....	.....	.....	.....	.....	.04	1.31
28	.....	.....	.48	.....	.39	.....	.....	.....	.....	.....	.09	.75
29	.....	.....	.....	.....	.22	.....	.....	.....	.....	.....	.04	.65
30	.....	.....	.26	.....	.13	.....	.45	.....	1.45	.....	.....	1.51
31	1.10	.....	.23	.....	.02	.....	.36	.....	.....	.02	.....	.12
Total.	6.69	1.62	4.92	8.26	4.53	6.88	1.63	3.38	5.58	5.24	3.01	10.55

Total for the year.....62.29 Inches.

Total Precipitation for the Year 1901.

1901.	CHAIN LAKES.				SPRUCE HILL LAKE.				CITY OF HALIFAX.			
	Snow.	Melted Snow.	Rain.	Total.	Snow.	Melted Snow.	Rain.	Total.	Snow.	Melted Snow.	Rain.	Total.
January	28 $\frac{3}{4}$	3.38	3.31	6.69	30	3.21	4.69	7.90	32.4	2.540	3.503	6.043
February	12 $\frac{1}{4}$	1.57	.05	1.62	12 $\frac{1}{2}$	1.72	.....	1.72	9.0	.906	.060	.966
March	7 $\frac{1}{4}$	1.53	3.39	4.92	6 $\frac{1}{4}$	1.17	4.25	5.42	5.3	1.059	3.043	4.102
April .....	.....	.....	8.26	8.26	.....	.12	9.44	9.56	.8	.083	6.235	6.318
May .....	.....	.....	4.53	4.53	.....	.....	5.92	5.92	.....	.....	5.556	5.556
June .....	.....	.....	6.88	6.88	.....	.....	6.84	6.84	.....	.....	6.959	6.959
July .....	.....	.....	1.63	1.63	.....	.....	2.06	2.06	.....	.....	1.585	1.585
August .....	.....	.....	3.38	3.38	.....	.....	3.76	3.76	.....	.....	3.656	3.656
September .....	.....	.....	5.58	5.58	.....	.....	6.26	6.26	.....	.....	6.872	6.872
October .....	.....	.....	5.24	5.24	.....	.....	6.66	6.66	.....	.022	4.884	4.906
November	1 $\frac{1}{4}$	.21	2.80	3.01	2	.29	3.73	4.02	.....	.002	2.558	2.560
December	31 $\frac{1}{4}$	3.34	7.21	10.55	35 $\frac{1}{2}$	4.02	6.33	10.35	30.9	3.090	5.483	8.573
Totals	80 $\frac{3}{4}$	10.03	52.26	62.29	86 $\frac{1}{2}$	10.53	59.94	70.47	78.4	7.702	50.394	58.096

Highest and Lowest Points Reached at Long Lake and Spruce Hill Lake, 1901.

LONG LAKE.				Monthly precipitation in inches at City of Halifax	SPRUCE HILL LAKE.			
1901.	Lowest point reached during the month.	Highest point reached during the month.	Monthly precipitation in inches at Chain Lakes.		1901.	Lowest point reached during the month.	Highest point reached during the month.	Monthly precipitation in inches at gauge at Spruce Hill Lake.
Jan. 16	205.24				Jan. 17	359.92		
" 28		206.41	6.69	6.043	" 29		360.88	7.90
Feb. 1		206.15			Feb. 28	359.64		1.72
" 28	204.91		1.62	966	March 11	359.38		
March 4	204.70				" 31		360.38	5.42
" 29		206.41	4.92	4.102	April 1	360.42		
April 6		207.95			" 27		362.92	9.56
" 20	205.97		8.26	6.318	May 13		362.92	
May 14		206.32			" 26	362.46		5.92
" 27	205.70		4.53	5.556	June 24	362.32		
June 24	205.57				" 26		363.01	6.84
" 25		206.65	6.88	6.959	July 1		362.90	
July 1		206.03			" 30	361.46		2.06
" 30	204.24		1.63	1.585	Aug. 1		361.42	
Aug. 1		204.19			" 31	360.14		3.76
" 31	202.57		3.38	3.656	Sept. 1		360.05	
Sept. 1		202.49			" 18	359.09		6.26
" 20	201.53		5.58	6.872	Oct. 1	359.42		
Oct. 1	202.41				" 7		360.82	6.66
" 8		204.91	5.24	4.906	Nov. 1		360.06	
Nov. 1		203.91			" 25	359.50		4.02
" 23	203.07		3.01	2.560	Dec. 3	359.80		
Dec. 3	203.57				" 31		361.57	10.35
" 31		206.99	10.55	8.573				
			62.29	58.096				70.47

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

Records Compared 1879-1901.

Year.	Total precipitation at Chain Lake.	Lowest Level of Long Lake below Waste Water.		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 $\frac{3}{4}$	.....	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 $\frac{3}{4}$	56.629
1886....	46.60	2	3	.....	2	0	57.290
1887....	59.82	3	10	.....	3	8 $\frac{1}{4}$	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	3	60.103
1891....	57.015	3	6 $\frac{3}{4}$	58.99	2	11 $\frac{3}{4}$	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 $\frac{1}{4}$	58.748
1894....	47.59	6	4	46.40	4	-9 $\frac{1}{2}$	45.808
1895....	56.98	6	7	57.94	4	11	62.152
1896....	70.87	3	1	70.72	4	11 $\frac{1}{2}$	69.862
1897....	55.40	6	3	58.01	3	8	51.522
1898....	74.93	4	5 $\frac{1}{2}$	74.48	2	6 $\frac{1}{2}$	60.480
1899....	58.78	3	9	60.24	2	2	53.013
1900....	70.00	5	6 $\frac{1}{2}$	66.59	4	0 $\frac{1}{2}$	59.697
1901....	62.29	4	5 $\frac{1}{2}$	70.47	4	3 $\frac{1}{2}$	58.066

Gallons of Water Discharged Over Long Lake Waste Weir during 1901.

Day.	January.	February.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1		5,807,185		22,953,449	725,898	2,053,123	725,898					
2		3,771,748		16,424,984		725,898						
3		2,053,123		16,424,984		725,898						
4		1,333,376		16,424,984	2,053,123	8,112,524						
5		725,898		22,953,449	3,771,748	10,665,474						
6		725,898		201,875,400	5,807,185	10,665,474						
7				107,500,590	3,771,748	5,807,185						
8				80,048,722	2,053,123	3,771,748						
9				60,117,291	725,898	5,807,185						
10				38,025,069		5,807,185						
11				22,953,449		3,771,748						
12				16,424,984	2,053,123	2,053,123						
13				10,665,474	13,441,414	725,098						
14				8,112,524	16,424,984							
15				5,807,185	16,424,984							
16				2,053,123	13,441,414							
17				2,053,123	10,665,474							
18				725,898	3,771,748							
19					2,053,123							
20												
21												
22												
23												
24				8,112,524								
25	13,441,414		5,807,185	10,665,474		46,452,871						
26	22,953,449		8,112,524	19,600,783		46,452,871						
27	30,173,996		10,665,474	13,441,414		38,025,069						
28	38,025,069		26,482,975	10,665,474		22,953,449						
29	30,173,996		38,025,069	5,807,185		10,665,474						
30	22,953,449		30,173,996	3,771,748		2,053,123						22,953,449
31	5,807,185		22,953,449		2,053,123							85,354,549
Total	163,528,558	14,417,228	142,220,672	723,579,284	99,238,010	227,294,520	725,898					108,307,998

Total for the year, 1,479,312,168 gallons.

REPORT OF PLUMBING INSPECTOR.

HALIFAX, N. S., May 1st, 1902.

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

SIR,—

I beg leave to submit, for your information, a report of the 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 Plumbing Rules, which have been dealt with by the Board of Health. There is the same delay on the part of the plumbers in not notifying when work is completed.

Respectfully submitted,

CLAUDE DONOVAN,
Plumbing Inspector.

Plumbing and Drainage.

	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.	Jan.	Feb.	March.	April.	Total.
No. of Plumbing Applications approved	17	31	25	18	23	18	13	14	10	12	21	24	226
No. of Certificates recommended	37	22	28	21	33	20	19	11	15	9	17	13	245
Collector's orders issued	4	3	1	11	10	5	5	3	3	1	3	6	55

No. of new houses inspected and passed	25
No. of new houses for which permits have been issued	24
No. of times smoke test has been applied	49
No. of times peppermint test has been applied	36
No. of times water test has been applied	14
No. of houses inspected for defective plumbing and reported	71
No. of houses found in good condition	14
No. of houses put in good order after being reported	27
No. of houses inspected by order of the Board	137
No. of plumbing inspections	701
No. of premises inspected for Collector	6
Other inspections	49
No. of pan and hopper w. c.'s removed and flush w. c.'s put in	68
No. new w. c.'s put in houses	103
Drains inspected	7
Meter readings	58

REPORT OF WATER INSPECTOR.

HALIFAX, N. S., August 20, 1902.

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, sizes, amount consumed, revenue therefrom and the number of times the meters were inspected.

Respectfully submitted,

JOHN E. BURNS,
Water Inspector.

Statement Showing Class of Premises in which Meters are Used.

CLASS.	SIZE IN INCHES.								Indicator.	Total.	
	$\frac{1}{2}$	$\frac{3}{4}$	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$	2	3	4			6
Armories			2	2							4
Breweries		2	1			2	1				6
Bakeries		3									3
Churches							1			1	2
Colleges		1	6	1				1			9
Dye Works		2									2
Electric Tramway Station				1		1		1			3
Elevators					1		4	3			8
Factories, Machine Shops, &c	10	4	1		1	2	2				20
Fountains					1						1
Gas Works								1			1
Grain Elevators		1					1				2
Grounds, Athletic			1								1
Halls, Clubs, &c	2	8	3								13
Hospitals	1						1				2
Institutions	5	8	4	1							18
Foundries	2	1	4				1				8
Nurseries	2		1								3
Office Buildings	4	3	1			1					9
Printing Offices	4	1	1								6
Railroads					1		1				2
Refineries								1			1
Rinks		1					1				2
Schools			1								1
Stables, Private		12									12
" Livery		13									13
Wharves							6	1	2		9
Tenements, dwellings, &c	142	6	1			1					150
	207	41	20	2	4	7	19	7	3	1	311

Consumption and Revenue by Meter.

NAME.	CLASS.	½	¾	1	1¼	1½	2	3	4	6	Indicators.	Total.	Gallons.	Revenue.
V. G. Hospital.....	Hospital.....							1			1	12067000	\$1129 05	
H. M. Lumber Yard..	Wharf.....							1			1	246200	36 93	
Dalhousie College....	College.....		1								1	69675	8 87	
C. of E. Institute....	Hall.....		1								1	41250	10 19	
St. Patrick's Hall....	".....		1								1	46512	10 98	
S. Cunard & Co.....	Wharf.....									1	1	1108300	171 86	
".....	Office.....	1									1	11881	3 62	
".....	Mach. shop	1									1	38252	7 21	
Elec. Tram. Co.....	Station.....			1		1		1			3	10210950	1006 48	
A. Keith & Son.....	Brewery.....	1				1					2	3424500	456 45	
Smith Bros.....	Elevator.....							1			1	851250	129 18	
Prov. Government....	Offices.....			1							1	1022850	147 13	
Moir, Son & Co.....	Factory.....							1			1	4905450	450 54	
Halifax Breweries....	Brewery.....					1					1	2545200	299 56	
App. Office.....	Elevator.....							1			1	251500	75 47	
Post Office.....	".....							1			1	916000	137 35	
Methodist Church....	Church.....										1	80251	6 62	
Stairs, Son & Morrow.	Elevator.....							1			1	489500	85 54	
N. S. Sugar Refinery..	Refinery.....							1			1	31595000	3703 52	
Marine & Fisheries..	Wharf.....								1		1	1189250	168 96	
Whelan & Ferguson...	Factory.....	1									1	53550	11 02	
W. H. Donovan.....	".....		1								1	89870	18 10	
McDonald & Co.....	Foundry.....	1									1	212 00	33 32	
Phelan.....	Wharf.....							1			1	Not in use	.....
Dry Dock.....	".....								1		1	517400	90 57	
".....	Mach. shop				1						1	546300	81 89	
Plant S. S. Co.....	Wharf.....							1			1	6967950	685 02	
Ladies' College.....	College.....		2								2	313550	27 81	
Felix Quinn.....	Factory.....	1									1	260872	41 74	
Jas. Roue.....	".....		1								1	119950	21 99	
Halifax Club.....	Club.....		2								2	416000	111 25	
St. Mary's Hall.....	Hall.....		1								1	47200	11 08	
City Club.....	Club.....		1								1	117800	21 67	
Ferguson & Cox.....	Factory.....	1									1	53100	9 96	
S. H. Convent.....	Convent.....							1			1	525700	46 80	
F. D. Corbett & Co....	Wharf.....							1			1	1598216	217 76	
J. K. Hubley.....	Dye Works	1									1	108000	18 20	
Thos. Robinson.....	Stables.....	3									1	161400	24 45	
Conlon Bros.....	".....	1									1	8850	3 33	

CONSUMPTION AND REVENUE BY METER.—(Continued.)

NAME.	CLASS.	Indicators.										Total.	Gallons.	Revenue.
		$\frac{1}{2}$	$\frac{3}{4}$	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$	2	3	4	6				
John Nolan	Stables	1										1	25000	\$ 3 75
Robt. Ainsley	"	2										2	64000	12 85
W. H. Isnor	"	1										1	60000	11 13
Ungar's Laundry	Laundry						1					1	5074600	517 46
Halifax Coal Co.	Wharf						1					1	228600	95 87
J. A. Leaman & Co.	Stable	1										1	47200	9 08
Cotton Factory	Factory						1					1	3230750	349 14
Catholic Orphanage	Institution		1									1	168500	15 24
Dawes & Co.	Brewery	1										1	49700	9 45
J. J. Scriven & Son	Bakery	1										1	116300	19 45
F. J. Scott	"	1										1	33300	7 00
John Fry	"	1										1	35000	7 25
Halifax Dispensary	Dispensary		1									1	19700	5 32
Globe Laundry	Laundry			2								2	2238850	318 54
G. M. Smith & Co.	Elevator							1				1	433550	77 86
Chronicle Office	Printing		1									1	466050	70 25
Herald Office	"	2										2	133172	23 98
B. G. Street	Dye Works	1										1	95000	16 25
Recorder Office	Printing			1								1	402450	63 36
I. O. O. F. Hall	Hall		1									1	161700	28 25
McAlpine Pub. Co.	Printing	2										2	133500	23 03
Masonic Hall	Hall			1								1	23750	6 06
Y. M. C. A. Hall	"	1	1									2	136250	12 70
Halifax Med. College	College	1	1									2	13400	4 58
Mrs. M. Phelan	Tenement	1										1	513506	75 20
Doull Est.	"	1										1	27100	6 07
Jas. Donohoe	Shop	1										1	42000	8 30
Eastern Trust Co.	Tenement	1										1	51500	6 73
J. A. Hancock	Shop	1										1	6800	1 02
Jas. Cashen	Dwelling	1										1	17718	2 90
"	"	1										1	23287	15 85
Mon. of G. Shepherd	Institution			1								1	297300	25 81
"	Laundry					1						1	1189100	89 74
Mrs. F. Hessian	Dwelling	1										1	8000	1 20
G. P. Henry	"	1										1	2300	1 02
St. Paul's Hall	Hall		1									1	14250	6 14
Queen Building	Offices	1	1									2	361510	84 66
H. W. Barnes	Shop	1										1	32100	6 82
Jas. Lloy	Tenement	1										1	84650	12 70
Jas. McLearn	Dwelling	1										1	36158	5 42
J. Y. Payzant & Son	Tenement	1										1	50000	7 50
Ben. Gladwin	Dwelling	1										1	14000	2 12
Capt. Allan	Shop		1	1								2	119751	12 37
D. A. Story	Dwelling	1										1	34050	5 11
Rod. McDonald	Nursery			1								1	315600	57 37

CONSUMPTION AND REVENUE BY METER.—(Continued.)

NAME.	CLASS.	½	¾	1	1¼	1½	2	3	4	6	Indicators.	Total.	Gallons.	Revenue.
S. S. Mackay-Bennett.	Wharf.....							1			1	1370700	\$ 191 79	
E. B. Sutcliffe.....	Office.....	1					1				2	675350	107 17	
Lawn Tennis Club....	Grounds....	1									1	20720	7 07	
St. Luke's Church....	Church.....							1			1	423250	39 71	
J. A. Leaman.....	Stable.....	1									1	161900	26 29	
D. & D. Institute....	Institution..	2		1							3	705650	85 03	
H. H. Seminary.....	College.....		1								1	367900	30 75	
C. Engineer.....	Dwelling....	1									1	131750	19 77	
I. C. R. Freight Shed..	Depot.....					1					1	1784600	Spec. rate	
I. C. R. Cattle Shed..	".....							1			1	9500	4 43	
Miss L. M. Nolan.....	Dwelling....	1									1	16511	2 48	
School Commissioners.	School.....		1								1	368000	28 26	
T. A. Turtle.....	Dwelling....	1									1	10000	2 08	
H. W. Bayers.....	".....	1									1	9157	1 39	
Immigrants' Shed....	Depot.....							1			1	809430	191 30	
R. E. Gannon.....	Stable.....	1									1	39650	7 95	
People's H. & L. Co....	Gas Works..									1	1	14821000	1282 13	
Gordon & Keith.....	Factory.....	1									1	167350	28 45	
M. A. Morrison.....	Dwelling....	1									1	5000	1 45	
Jas. Kelly.....	".....	1									1	10600	1 59	
Wm. Robinson.....	".....	1									1	5250	79	
David McKeen.....	".....					1					1	304500	45 83	
Pine Hill College....	College....	1									1	1195700	87 70	
" ".....	Library....		1								1	7000	13 00	
" ".....	Nursery....	1									1	5000	2 75	
Infants' Home.....	Institution..	1	1								2	1146491	84 27	
Halifax Infirmary....	Hospital....	1									1	725181	52 77	
St. Joseph's Convent..	Institution..	1									1	30900	9 68	
Old Ladies' Home....	".....		1								1	555000	82 92	
St. Paul's House.....	".....	1									1	424280	31 70	
Protestant Orphanage.	".....		1								1	112500	11 88	
Salvation Harbor....	".....		1								1	315550	26 09	
Tremaine's.....	Laundry....	1	1								2	87800	15 17	
Geo. Wright.....	Dwelling....	1									1	14000	3 04	
".....	".....	1									1	34900	5 36	
Miss L. Borden.....	".....	1									1	10050	1 53	
Mrs. L. Hamilton.....	".....	1									1	19800	2 98	
Miss J. M. Creighton..	".....	1									1	16700	2 57	
W. H. Fulton.....	".....	1									1	11700	2 33	
Jas A. Hall.....	".....	1									1	45650	6 85	
Blind Institution....	Institution..		2	1							3	1704530	136 99	
Edw. Gibson.....	Dwelling....	1									1	16800	2 52	
Mrs. M. Johnson.....	".....	1									1	10750	1 61	
W. M. P. Webster....	".....	1									1	10050	1 51	
" ".....	".....	1									1	29400	4 44	

CONSUMPTION AND REVENUE BY METER.—(Continued.)

NAME.	CLASS.	½	¾	1	1¼	1½	2	3	4	6	Indicators.	Total.	Gallons.	Revenue.
A. R. Butler	Dwelling..	1										1	222800	\$ 33 12
Mrs. J. Smith	"	1										1	77200	11 59
Mackintosh Estate ..	"	1										1	12900	1 94
"	"	1										1	10100	1 52
G. F. Murray	"	1										1	18100	2 72
W. E. Crowe	"	1										1	12500	1 88
Wm. Francis	"	1										1	62200	9 33
S. Bennett	"	1										1	1000	63
Mrs. M. Keefe	"	1										1	4000	98
W. J. Delaney	"	1										1	12900	1 94
J. J. Donnelly	"	1										1	15500	2 33
W. J. Kirby	"	1										1	5813	85
H. R. Silver	"	1										1	40550	6 08
M. D. Logan	"	1										1	81100	12 17
H. L. Wallace	"	1										1	51000	7 65
C. A. Baker	"	1										1	10000	1 50
Alex. Urquhart	"	1										1	19100	2 87
Joseph Foley	"	1										1	205950	30 89
Andrew Sullivan	"	1										1	35000	5 25
Mrs. M. Dwyer	"			1								1	129300	19 40
C. W. Williston	Stable	1										1	13750	2 29
Frank Eden	Dwelling..	1										1	14500	2 33
Capt. Rood Est	"	1										1	44000	6 60
W. H. Cawsey	"	1										1	42700	4 05
Wm. Mackinlay	"	1										1	7800	1 17
Jos. Whitman	"	1										1	24600	3 70
W. B. Freeman	"			1								1	32650	4 90
A. M. Harivel	"	1										1	22000	3 30
"	"	1										1	24000	3 60
"	"	1										1	27000	4 05
Sam. Brown	"	1										1	15100	3 26
George Verdi	"	1										1	24851	3 73
Jas. Baker	"	1										1	5400	81
John Davison	"	1						6000				1	6000	90
Wm. Forbes	"	1										1	2000	30
Wm. O'Connell	"	1										1	12450	1 57
John Phelan	"	1										1	3450	52
Mrs. M. Davy	"	1										1	10350	1 55
Mrs. M. Muldowney ..	"	1										1	5000	75
Thos. Williamantin ..	"	1										1	24650	3 68
St. Joseph's	Hall	1										1	2000	1 14
Francis Selig	Dwelling..	1										1	19000	2 97
R. W. Dunsworth	"	1										1	6651	95
Joseph Kelly	"	1										1	1650	25
Noah Boutilier	"	1										1	169500	25 43

CONSUMPTION AND REVENUE BY METER.—(Continued.)

NAME.	CLASS.	½	¾	1	1¼	1½	2	3	4	6	Indicators.	Total.	Gallons.	Revenue.
W. R. Innis	Dwelling..	1									1	14500	\$ 2 17	
J. M. DeWolfe	"	1									1	26150	3 94	
W. A. Heisler	"	1									1	30050	4 56	
Jos. Slaughenwhite ..	"	1									1	16600	2 49	
B. F. Pearson	"				1						1	36200	5 43	
H. C. Tully	Stable	1									1	9000	1 35	
Graham Creighton....	Dwelling..	1									1	3400	1 08	
W. P. C. Inglis	Stable	1									1	32200	6 83	
Murdochs' Nephews ..	Shop	1									1	105000	21 95	
H. S. Freeman	Dwelling..	1									1	8750	1 31	
C. C. Seaman	"	1									1	15450	2 32	
John Hurd	"	1									1	40600	6 10	
John Dixon	Factory...	1									1	28250	6 19	
Mrs. J. Duggan	Shop	1									1	14550	4 19	
Wm. Wier	Dwelling..	1									1	60045	9 01	
Mrs. L. W. Parscns ..	"	1									1	15000	3 40	
John May	Brewery ..							1			1	1877400	233 25	
W. J. Harvey	Stable	1									1	30750	4 62	
S. S. Furness Line....	Wharf									1	1	220000	42 01	
A. M. Harivel	Dwelling..	1									1	27000	4 01	
"	"	1									1	12000	2 00	
"	"	1									1	22000	3 30	
Jos. Allan	"	1									1	15850	2 38	
E. J. Horn	"	1									1	52950	7 94	
Arthur Pelton	"	1									1	11000	2 44	
Robt. Horton	"	1									1	155000	22 48	
W. J. Hames	Stable	1									1	37350	6 60	
Wm. Sutherland	Laundry ..			1							1	381450	60 25	
Sam. Grant	Dwelling..	1									1	13400	2 01	
H. McC. Hart	"	1									1	37600	5 65	
H. McC Hart	"	1									1	32000	5 70	
And. Hubley	"	1									1	16500	2 48	
"	"	1									1	38600	5 79	
"	"	1									1	30400	4 56	
"	"	1									1	41150	6 32	
Jas. Nolan	Stable	1									1	72800	14 50	
Dr. Jacques	Dwelling..	1									1	22250	3 34	
A. H. McCaughin	"	1									1	26000	3 90	
C. S. Davies	"	1									1	82500	12 37	
Wm. Kennedy	"	1									1	18350	2 75	
Geo. Tanner	"	1									1	21700	2 27	
A. H. Sheppard	"	1									7	22400	3 36	
A. H. Sheppard	"	1									1	244100	36 62	
Miss E. M. Connell....	"	1									1	10650	1 60	
Jas. Hutt	"	1									1	21850	3 28	
Edw. Hoare	"	1									1			

CONSUMPTION AND REVENUE BY METER.—(Continued.)

NAME.	CLASS.	½	¾	1	1¼	1½	2	3	4	6	Indicators.	Total.	Gallons.	Revenue.
W. H. Isnor.....	Dwelling..	1										1	11000	\$ 2 21
Mrs. S. A. Fultz.....	"	1										1	47650	7 15
Rich. Greer.....	"	1										1	Not in use	
R. King Est.....	"	1										1	8750	1 35
"	"	1										1	6200	92
"	"	1										1	34700	5 29
"	"	1										1	8000	1 20
Geo. Harvey.....	"	1										1	14850	2 23
Grove Church Manse..	"	1										1	110000	16 50
Mrs H. Phelan.....	"	1										1	5150	77
Henderson & Potts...	Factory...						2					2	1809850	140 92
Armouries.....	Armoury...			2	2							4	1209750	196 97
A. McFatrige.....	Laundry...	1		1								2	373300	32 88
Dr. J. B. Bennett.....	Fountain...					1						1	43000	9 45
W. H. Schwartz.....	Factory...	1										1	83650	14 65
Davis & Fraser.....	"	1										1	169400	28 40
Dillon Bros.....	Elevator...							1				1	549550	89 68
Grain Elevator.....	"		1						1			2	28800	6 32
Cox & McKenzie.....	Stable.....	1										1	73050	12 96
Curling Rink.....	Rink.....	1						1				2	32200	11 83
H. W. Wentzell.....	Stable.....	1										1	34200	7 13
J. E. Roy.....	Barber.....			1								1	1325000	43 25
Edw. Smith.....	Dwelling..	1										1	52780	7 80
J. L. Barnstead.....	"	1										1	126000	18 90
"	"	1										1	372000	54 86
T. E. Cooke.....	"	1										1	92000	13 80
C. A. Creighton.....	"	1										1	35100	5 25
Mrs. A. Boutilier, Agt.	"	1										1	8700	1 57
J. P. Foley.....	"	1										1	222000	33 30
Chas. Carmichael.....	"	1										1	3606	54
Mrs. A. Ward.....	"	1										1	54294	8 14
Thos. Watchorn.....	Shop.....	1										1	42000	3 15
John Connolly.....	Tenament..	1										1	17000	2 55
"	"	1										1	22300	3 35
J. R. Nickerson.....	Dwelling..	1										1	338000	49 75
Henry Gammon.....	"	1										1	4175	63
J. W. Smeltzer.....	"	1										1	42775	12 42
Henry McDonald.....	"	1										1	42300	6 66
W. H. Cawsey.....	"	1										1	33250	4 99
"	"	1										1	81000	12 15
Patrick Gray.....	"	1										1	6247	94
Arthur Lovett.....	"	1										1	5178	92
N. & M. Smith.....	Stable.....	1										1	43731	8 56
J. L. Wallace.....	Dwelling..	1										1	3156	47
Henry Bauld.....	Stable.....	1										1	2906	1 41

CONSUMPTION AND REVENUE BY METER.—(Continued.)

NAME.	CLASS.	½	¾	1	1¼	1½	2	3	4	6	Indicators. Total.	Gallons.	Revenue.
Thos. Murphy.....	Stable ...	1									1	35625	\$ 6 34
Miller Bros.....	"	1									1	5000	1 75
Scotia Pure Milk Co	Factory...	1									1	326000	49 27
John Butler.....	Dwelling..	1									1	5000	75
Collas Whitman & Co	Factory....			1							1	35950	10 39
Jos. DeYoung.....	Dwelling..	1									1	28200	4 23
Jas. Barrowman...	"	1									1	33650	5 05
Bigelow & Hood....	Factory....	1									1	168300	27 25
John Olive.....	Stable	1									1	13200	1 98
C. H. Probert.....	Dwelling..	1									1	9000	1 35
Halifax Transfer Co	Stable ...	1									1	95400	16 31
E. J. Goudge.....	Dwelling..	1									1	12000	1 80
Geo. Thompson....	Factory...	1									1	19200	4 88
W. J. Cooke.....	Dwelling..	1									2	8550	1 28
John Edwards.....	"	1									1	15950	2 40
Mrs. F. Fry.....	"	1									1	14000	2 10
T. J. Cahill.....	"	1									1	19800	2 97
Harrington Est....	Brewery ..	1									1	74750	13 31
		207	39	20	2	4	9	19	73	1	311	143264344	\$16150 49

STREET FORMAN'S REPORT.

CITY HALL, HALIFAX, May 1st, 1902.

F. W. W. DOANE, Esq.,
City Engineer.

SIR,—

I beg to report in the accompanying statements the work performed and material used in 1901-02.

Respectfully submitted,

JOHN McDONALD,
Foreman of Streets and Sewers.

Concrete Catch Pits Constructed in 1901.

JAMES DOWNIE, Foreman.

STREET.	Side of Street.	LOCATION.	Size.	Curb.	Remarks.
Young Avenue	E.	Cor. Atlantic	7 in.	Straight.	
"	E.	Bet. Atlantic & Inglis....	"	"	
"	W.	Cor. Atlantic	"	"	
Campbell Road	N. W.	Cor. Roome	"	"	
Roome St	"	Cor. Campbell Road	"	"	
LeMarchant St	E.	Cor. Coburg Road	"	"	
Campbell Road	W.	Head of Ferry	"	"	
Creighton St	N. E.	Cor. Cunard	"	"	
Maitland St	W.	Cor. Prince William	"	"	
"	E.	Opp. Prince William	"	"	
Cunard St	N.	Cor. Hunter	"	"	
Robie St	W.	Cor. Williams	"	"	
Sarah St	S. W.	Cor. Agricola	"	"	
Jacob St	N.	Cor. Poplar Grove	"	"	New top.
"	"	Cor. Starr	"	"	"
Campbell Road	E.	Opp. Wrights	"	"	"

Cost of Concrete Catchpits 1901.

MATERIAL.	@	Cost.	Pay Roll.	Labor.	Cartage.
175 ft. 9 in. Crock Pipe.....	\$ 21	\$ 36 70	July 1	\$ 7 16	\$ 23
78 ft. 12 in. Crock Pipe.....	32	24 96	" 15	46 84	5 34
1-9 x 9 Y.....	1 00	1 00	" 29	26 32	6 23
31 lbs. Dynamite.....	17	5 27	.....	12 59	1 11
50 Electric Fuse.....	2	1 00	Aug. 12	21 05	1 56
45 bds. Brush.....	15	6 75	" 26	35 01	4 24
167 bush. Sand.....	4	6 68	Sept. 9	26 10	.....
245 " Gravel.....	4	10 80	.....	2 52	45
42 " B. Stone Assoc.....	7	2 94	Oct. 21	91 57	20 47
56 " " C. Prison.....	3½	1 96	Nov. 4	91 98	13 13
154 " " Crusher.....	4	6 16	" 18	6 48	67
38½ bbls. Cement.....	2 50	96 25			
16 C. P. Curbs.....	5 50	88 00		\$367 62	\$43 43
16 C. P. Covers, Iron.....	2 10	33 60			
13 C. P. Grates.....	34	4 42			
26 Tiles (14 inch).....	2½ ft.	60			
4 gallons Oil.....	20½	81			
		\$327 90			

TOTAL COST OF 13 NEW PITS AND 3 NEW TOPS.

Material.....	\$327 90
Labor.....	367 62
Cartage.....	43 43
	<u>\$738 95</u>

New Granite Curb and Gutter Laid and Old Material Relaid.

STREET.	FROM	To.	Corner or side.	Straight Curb.	Circular Curb.	Straight Gutter.	Circular Gutter.	Cost.	FOREMAN.
Jacob	U. P. C. Hall	Clayton's	N.	7' 6"	10' 0"	144' 0"	17' 0"	\$ 232 40	Jas. Downie.
Barrington	At No. 251 $\frac{1}{2}$		E.			45' 4"		40 15	"
Campbell Road..	Roome	Northwardly ..	W. }	214' 3"	9' 6"	224' 3"	9' 6"	323 40	"
Roome	Campbell Road.....	Westerly	N. }						"
Campbell Road..	E. W. Wrights'	C. Upham's.....	E.	235' 1"		240' 1"		451 26	"
Young Avenue ..	N. line Tennis Courts	Atlantic	E.	404' 4"	15' 9"	409' 8"	15' 9"	1138 09	"
Bishop	Pleasant.....	Water	S. }	488' 10"		819' 11"	16' 10"	1104 60	"
"	Hollis	"	N. }						"
Hollis	Salter	Bishop	E.			618' 2"		404 54	E. Meagher.
Market Square ..	At Fountain.....				25' 10"			48 41	Jas. Downie.

Granite Crossings Laid, 1901.

STREET.	AT.	LENGTH.	REMARKS.
Maitland.....	Prince William.....	24' 2"	19-5 Y. 4-9 K.
Lockman.....	Artz.....	31' 3"	15-9 K. 15-6 Y.
North.....	Brunswick.....	32' 0"	6-8 K. 25-4 Y.
Brunswick.....	Artz.....	27' 10"	27-10 Y.
Lorne Terrace.....	North.....	37' 5"	37-5 Y.
Hollis.....	Duke.....	27' 0"	27-0 K.
Gottingen.....	Bloomfield.....	33' 0"	33-0 Y.

MATERIAL.				LABOR.	CARTAGE.
66 bush. Sand.....	4	\$ 2 64	Aug. 26	\$24 99	\$ 7 34
83 bush. Gravel.....	4	3 32	Sept. 9	12 48	4 45
14 bush. Screenings.....	4	56	Nov. 4	5 13	2 00
1142 Paving Setts.....	7	79 94		\$42 60	\$13 79
54-2 Crossing K.....	46	24 92			
158-6 Crushing Y.....	43	68 16			
		\$179 54			

TOTAL COST.

Material.....	\$179 54
Labor.....	42 60
Cartage.....	13 79
	\$235 93

Average cost per foot (213 ft.) \$1.10.

Streets Macadamized, 1901.

LOCATION.			Pay Roll	BROKEN STONE.						SCREENINGS.		Total Cost.	REMARKS.	
Street.	From.	To.		No. of bush.	Cost at 7c. bush	No. of bush.	Cost at 4c. bush	No. of bush.	Cost at 3½c bush	No. of bush.	Cost at 4c. bush			
South Park..	Victoria Road.	Inglis	\$ 91 58	2016	\$141 12									
Pleasant	Miller	S. G. Road....	189 58	2716	190 12				1358	\$54 32	\$287 02	Assoc. Stone & Crusher Binding.		
Barrington ..	S. G. Road ..	Prince	120 60	1400	98 00				1204	48 16	427 86	" " " "		
Lockman	Cornwallis ..	North	429 48						1092	43 68	262 28	" " " "		
Hurds	Barrington ..	Brunswick ..	73 86			8960	\$358 40		3906	156 24	944 12	Crusher Stone	" " " "	
Quilpool Rd.	Robie	North Park ..				938	37 52				111 88	" " Pit	" " " "	
Creighton ..	Falkland	Cogswell				2044	81 76			994	39 76	" " Crusher	" " " "	
Tower Road ..	South	College				1596	63 84			728	29 12	" " " "	" " " "	
"	College	S. G. Road ..				3668	146 72			1484	59 36	" " " "	" " " "	
Russell	Gottingen ..	Campbell Rd ..	1316	92 12									Assoc. Stone & Pit	" " " "
Longard Rd ..						3360	134 40						Crusher Stone & Pit	" " " "
Bower Rd								5012	175 42	1498	59 92		C. Prison Stone & Crusher	" " " "
Birmingham.	S. G. Road ..	Morris		3430	240 10								Assoc. & C. Prison & Pit	" " " "
Dresden Row ..	S. G. Road ..	"				2590	103 60			1148	45 92		Crusher Stone & Crusher	" " " "
Willow	Windsor	Robie				2786	111 44			1064	42 56		" " " "	" " " "
						4354	174 16			1400	56 00		" " " "	" " " "

DETAILED COST OF SEWERS CONSTRUCTED DURING 1901.

Table with multiple columns for materials (Concrete, Manholes, Dynamite, etc.) and costs. Includes project names like Owen, View, Green Bank Outlet, etc.

SEWERS CONSTRUCTED IN 1901.

Summary table for sewers constructed in 1901, showing location, material, length, and total cost.

DETAILED COST OF YOUNG AVENUE SEWER AND OUTLET.

Detailed cost breakdown for Young Avenue Sewer and Outlet, listing materials, manholes, and specific costs for various components.

Total length 6315 1 feet. Average cost per foot, \$6.12.

*\$10.00 damage to Flan Hennigan added.

Memo. of Waggon and Sleighs, &c., City Works Department,
January 28th, 1902.

- 12 Two Horse Watering Carts.
- 2 One Horse Watering Carts.
- 6 Two Horse Tip Carts.
- 5 Two Horse Tip Sleighs.
- 5 Two Horse Flat Waggon.
- 5 Two Horse Flat Sleighs.
- 1 Two Horse Lumber Waggon.
- 3 One Horse Driving Waggon.
- 3 One Horse Driving Sleighs.
- 1 One Horse Tool Waggon.
- 2 One Horse Street Scrapers.
- 2 One Horse Street Brooms.
- 1 One Horse Street Heapers.
- 1 Two Horse Donkey Boiler.
- 1 One Horse Steam Drill.

APPENDIX.

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Contracts, 1901-02.
—

WATER WORKS.

CONTRACTOR.	DESCRIPTION.	Quantity.	Rate.	Amount	Remarks.
Robinson Bros.....	Truckage of pipes ton of 2000 lbs, wharf to yard.....	179 $\frac{3}{4}$ tons.	.49	\$ 88 08	Schedule rate.
John A. Thomson	Special castings.....		.02 $\frac{1}{2}$.02 $\frac{1}{4}$.02 .01		

CONTRACTS, 1901-02.—(Continued.)

SEWERAGE.

Acadia Powder Co.	Explosives—Powder .....		.05		
	Dynamite .....		.17		
	Detonators .....		.35		
	Fuse hanks .....		.05		
	Electric Fuse .....		.02		
Wm. Stairs, Son & Morrow, Ltd.	Atlas Cement 400 gross.	500000 lbs	.66	1-5	per 100 lbs.
Brookfield Bros.	Drain pipe 6 inch .....		.12		
	9 inch .....		.21		
	12 inch .....		.32		
Jacob Miller	Bricks at City Siding	25000	8.70		
Jacob Walton	“ “	25000	8.70		
Jas. Freda	Salt Sand .....		.03 $\frac{1}{2}$		
	Fresh Sand .....		.04 $\frac{1}{2}$		
	Gravel .....		.03 $\frac{3}{4}$		
	Pebbles .....		.06		
Poor Asylum	Concrete per cu. ft. ....		.08		Formerly 7c.
Beazley Bros.	Lightering 8-48" pipes				
	Deep Water Terminus to Prince St. outlet and laying				\$145 00
	Diver and Apparatus placing sheeting				36 00
Reid & Archibald	Pile foundation Prince St. outlet....				789 00
Beazley Bros.	Lightering and laying 3-48" pipes Ogilvie St. outlet				110 00
	Constructing retaining wall				630 00

CONTRACTS 1901-02.—(Continued.)

STREETS.

CONTRACTOR.	DESCRIPTION.	Quantity.	Rate.	Amount.	Remarks.
City Prison.....	Hand broken stone per bus.....		.03½	.....
Samuel Walker	} Stone for Poor Association.....	38169 bus.	.01½	\$572 54	
Jas. Forbes		39348 "	.01¾	688 59	
Peter Kiddy					
Edward Hartnett					
A. J. Nicholson					
Jas. P. Murray.....	Stone for Crusher.....	23559 "	.01¾	412 28	
Aveling & Porter.....	15 ton road roller.....			£500	
Robinson Bros.....	Truckage of roller, Furness Pier to workshop.....			\$29 00	
Wm. D. Yeadon.....	Granite—Straight curb.....		.63	.....
	Corner.....		.68	.....
	" gutter.....		.66	.....
	Straight gutter.....		.43	.....
	" catchpit curb 4 in.....		5.00	.....
	" " " 7 in.....		5.50	.....
	Corner " " 7 in.....		5.50	.....
	" " " 4 in.....		5.50	.....
	Sq. manhole top 1 piece.....		6.00	.....
	" " 4 pieces.....		3.00	.....
	Round manhole top.....		7.50	.....
	Coal hole top.....		7.00	.....
	Hatch curb.....		.35	.....

CONTRACTS 1901-02.—(Continued.)

PERMANENT PAVEMENT.

C. P. Hill	Connecting rain leaders on Lockman Street			\$66 50
------------------	---	--	--	---------

BATHS.

T. P. Mulcahy	Coopering casks floating bath.....			\$42 25
	Pitching " "			2 00
	Casks for " "	40	1.00	40 00

CITY PROPERTY.

Power & Co.....	Gravel roofing City Hall.....			\$154 00
C. P. Hill	Plumbing Police Station			35 00

INTERNAL HEALTH.

Power & Co.....	Piping for storage tank, City Wharf.....			\$ 39 95
Willoughby Smith.....	Single teams for street cleaning.....	7 teams	15c. hour	.....
Wm. M. Willis	Two flat waggons.....			265 00
Robinson Bros.....	Horses and driver for sprinkler.....	3 teams	2.74 day	.....

CONTRACTS 1901-02.—(Continued.)

MISCELLANEOUS.

CONTRACTOR.	DESCRIPTION.	Quantity.	Rate.	Amount.	Remarks.
Black Bros. & Co.....	Hardware				Schedule rates.
S. Cunard & Co.....	Coal—Hard, Egg, City Hall.....	140 tons 2000	5.20		
	Soft coal, “	4 ch. 3000	6.25		
	“ Workshop	5 “	6.75		
	Acadia Lump, Roller	30 “	6.60		
	“ Drill	30 “	6.60		
	Acadia Nut, Crusher.....	50 tons 2000	3.66		
	Albion Slack, Shop	12 “	3.12½		

Certificate of Cost of Concrete Sidewalks Constructed under the
Provisions of Section 14 of Chapter 60 of the Acts of 1890 and
Acts in Amendment thereof, during the Year 1900.

Number.	PROPERTY OWNER.	Area of Concrete Sidewalk in front of property in square yards.	Cost of laying Concrete per square yard.	Cost of laying Concrete in front of property.	Cost of grading, resetting narrowing, filling up, &c., hatches, coal holes, &c.	Total Cost of Sidewalk in front of property.	Amount to be charged against the property owner, one-half cost.
George Street (North Sidewalk, from Hollis Street Eastwardly.)							
	W. & C. Silver.....	44.77	\$1 77	\$79 39	.....	\$79 39	\$39 69

I certify the foregoing statement to be correct.

F. W. W. DOANE,

City Engineer.

City Engineer's Office, November 28th, 1902.

Certificate of Cost of Flat Stone Sidewalk Constructed on the North
side of George Street and East side of Hollis Street, at W. & C.
Silver's, under the provisions of Section 14 of Chapter 60
of the Acts of 1890 and Acts in Amendment thereof,
During the Year 1900.

Number.	PROPERLY OWNER.	Area of flat stone sidewalk in front of property in square yards.	Cost per square yard.	Cost of laying sidewalk in front of property.	Cost of grading, resetting, narrowing, filling up, &c., hatches, coal holes &c.	Total cost of sidewalk in front of property.	Amount to be charged against the property owner, one-half cost.
	W. & C. Silver.....	28.75 } 43.00 }	.26	\$18 56	\$3 87	\$22 43	\$11 22
		71.75					

I certify the foregoing statement to be correct.

F. W. W. DOANE,

City Engineer.

City Engineer's Office, November 28th, 1902.

ASPHALT SIDEWALKS.

Certificate of Cost of Asphalt Sidewalks Constructed in 1900, under the provisions of Section 14 of Chapter 60 of the Acts of 1890, and Acts in Amendment thereof.

CORNWALLIS STREET (South Sidewalk between Brunswick Street and Barrington Street.)

Number.	PROPERTY OWNER.	Percentage of Asphalt.		COST OF ASPHALT SIDEWALK PER SQUARE YARD.			Cost of laying Asphalt in front of property.	Cost of grading, resetting, narrowing, and filling up hatches, coal holes, &c.	Total cost of Sidewalk in front of property.	Amount to be charged against property owner, one-half cost.	Cost of constructing, making, connecting, &c, drains, pits, rain leaders, spouts, &c.	Total amount to be charged to the property owner.
		Area of Asphalt Sidewalk in front of property in square yards.	Asphalt.	Grading.	Total.							
28	Devises of T. A. Anderson	50	22.40	.40	.08	.48	\$10 75	.....	\$10 75	\$ 5 38	.....	\$ 5 38
	W. L. Brown, Trustee	50	66.66	.40	.08	.48	32 00	.....	32 00	16 00	.....	16 00
NORTH SIDEWALK.												
	Devises of J. W. Heckman	50	117.10	.40	.08	.48	\$56 21	.....	\$56 21	\$28 11	.....	\$28 11
	.....		206.16	.....	.....	.....	\$99 56	.....	\$99 56	\$49 49	.....	\$49 49

I certify the foregoing statement to be correct.

City Engineer's Office, November 27th, 1902.

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

Certificate of Cost of Asphalt Sidewalks Constructed in 1901 under the provisions of Section 14
of Chapter 60 of the Acts of 1890, and Acts in Amendment thereof.

CORNWALLIS STREET (North and South sidewalks, from Barrington Street Westwardly.)

Number.	PROPERTY OWNER.	Percentage of Asphalt.		COST OF ASPHALT SIDEWALK PER SQ. YD.			Cost of laying Asphalt in front of Property.	Cost of grading, resetting, narrowing and filling up Hatches, Coal Holes, &c.	Total Cost of Sidewalk in front of Property.	Amount to be charged against Property Owner, one-half cost.	Cost of constructing, mak- ing, connecting, &c., Drains, Pits, Rain Lea- ders, Spouts, &c.	Total amount to be charged to the Property Owner.
		Area of Asphalt Sidewalk in front of Property in square yards.	Asphalt.	Grading.	Total.							
29-31	Devises of John Farquharson.....	50	61.93	.45	.07	.52	\$ 32 20		\$ 32 20	\$ 16 10		\$ 16 10
33	Michael Ring.....	50	30.76	.45	.07	.52	16 00		16 00	8 00		8 00
35	Devises of Annie O'Donnell.....	50	30.73	.45	.07	.52	15 98		15 98	7 99		7 99
20	Thomas P. Mulcahy.....	50	57.30	.45	.07	.52	29 80		29 80	14 90	\$ 3 37	18 27
22	John Mahoney.....	50	30.46	.45	.07	.52	15 84		15 84	7 92		7 92
24	H. P. Burton, Trustee.....	50	20.80	.45	.07	.52	10 82		10 82	5 41		5 41
26	Edward Foran.....	50	20.44	.45	.07	.52	10 63		10 63	5 32		5 32
	.....		252.42	.45	.07	.52	\$132 12		\$132 12			

ASPHALT SIDEWALKS.—(Continued.)

LOCKMAN STREET (West sidewalk.)

162	Charles E. Rogers.....	50	47.62	.35	.06	.41	\$ 19 58	\$ 19 58	\$ 9 79	\$ 24 11	\$33 90
168	Mrs. Minnie McLeod.....	50	23 27	.53	.13	.66	18 66	18 66	9 33	31 13	40 46
170	Wm. Nisbet.....	50	25 98	.53	.13	.66	17 15	17 15	8 57		8 57
172	Jas. L. Wetherbe.....	50	25 61	.53	.13	.66	16 90	16 90	8 45		8 45
174-6	Isabella and Ida Brodie.....	50	33 36	.53	.13	.66	22 02	22 02	11 01		11 01
180	Georgina Paul.....	50	28 45	.53	.13	.66	18 78	18 78	9 39		9 39
	M. H. Richey, Sr.....	50	49 12	.53	.13	.66	32 42	32 42	16 21		16 21
	".....	50	11 41	.53	.13	.66	7 53	7 53	3 77		3 77
	Roderick McDonald.....	50	11 41	.53	.13	.66	7 53	7 53	3 77		3 77
	Heirs of Elizabeth McDonald.....	50	11 41	.53	.13	.66	7 53	7 53	3 77		3 77
	".....	50	51 20	.53	.13	.66	33 79	33 79	16 90		16 90
	Sir Sanford Fleming.....	50	50 28	.53	.13	.66	33 18	33 18	16 59		16 59
194-6	Alexander Ferguson.....	50	40 92	.53	.13	.66	27 01	27 01	13 50		13 50
198	Dennis O'Sullivan.....	50	29 70	.53	.13	.66	19 60	19 60	9 80		9 80
200-2	John O'Sullivan.....	50	60 56	.53	.13	.66	39 97	39 97	19 98	25 35	45 33
204-6	Eliza Richardson.....	50	43 41	.53	.13	.66	28 65	28 65	14 33	14 42	28 75
208	Mrs. Gertrude A. Croucher.....	50	19 19	.53	.13	.66	12 67	12 67	6 33		6 33
210-2	Mrs. Mary MacDonald.....	50	20 27	.53	.13	.66	13 38	13 38	6 69		6 69
214	Mrs. Mary K. Duncan.....	50	15 58	.53	.13	.66	10 28	10 28	5 14		5 14
216-8	Joseph Hubley.....	50	34 47	.53	.13	.66	22 75	22 75	11 38	12 00	23 38
	.....	590	60				\$390 84	\$390 84			

I certify the foregoing statement to be correct.

City Engineer's Office, November 29th. 1902.

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

BRICK SIDEWALKS, 1901.

Certificate of Cost of Brick Sidewalks Constructed in 1901, under the Provisions of Section 14 of Chapter 60 of the Acts of 1890, and Acts in Amendment thereof.

NORTH SIDE OF JACOB STREET.

Number.	PROPERTY OWNER.	Area of brick sidewalk in front of property in square yards.	Cost of brick sidewalk per square yard.	Cost of laying brick in front of property.	Cost of grading, resetting, narrowing, and filling up hatches, coal holes, &c.	Total cost of sidewalk in front of property.	Amount to be charged against property owner one-half cost.
15	St. Paul's Parish.....	69.47	\$ 0 36	\$25 00	.....	\$25 00	\$12 50
15½	Charles E. Huggins.....	60.64	36	21 83	.....	21 83	10 92
17-21½	James Walker.....	79.07	36	28 46	\$3 14	31 60	15 80
23-31	Mrs Margaret Inglis.....	85.24	36	30 68	.....	30 68	15 30
		294.42	....	\$105 70	\$3 14	\$108 84	.....

EAST SIDE OF BARRINGTON STREET.

251½	A. & W. Smith & Co.....	34.47	\$1 45	\$49 91	\$4 61	\$54 52	\$27 26
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I certify the foregoing statement to be correct.

F. W. W. DOANE,

City Engineer.

City Engineer's Office, December 5th, 1902.

Concrete Sidewalk Laid 1901.

BARRINGTON ST. EAST SIDEWALK FROM BELL ST. SOUTHWARDLY.

Kenny & Co.....	40.63	\$1 82	\$74 12	\$74 12	\$37 06
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Cost of Grading Sidewalks for Asphalt.

LOCATION.	Side of street.	FRO ^M .	To.	Cost of grading in 1900.	Cost of grading in 1901.	No. of sq. yards.	Cost per sq. yard.
Cornwallis St.....	N. & S.	Brunswick St.	Eastwardly..	\$16 60	.....	206 16	\$0 08
“	“	Barrington St.	Westwardly..	.....	\$17 90	239 77	07½
Lockman St.....	W.	At. 162 .....	.....	.....	2 79	47 62	06
“	“	Artz St.....	North St.....	.....	77 98	590 59	13

Cost of Work on Hatches.

Number.	STREET.	OWNER.	LABOR PAYROLL.		Cartage at 22½c. per hour.	Sand at 4c. per bush.	Cement at 90c. per bush.	Total.	REMARKS.
			Date.	Amount.					
	George	W. & C. Silver...	Oct. 8, 1900.	\$2 97	.....	.....	90	\$3 87	
	Barrington...	A. & W. Smith...	July 1, 1901.	2 88	67	16	90	4 61	
19	Jacob		Nov. 18, 1901.	1 08	.....	04	45	1 57	
21	"		"	1 08	.....	04	45	1 57	

Detailed Cost of Sidewalks.

CORNWALLIS ST., NORTH AND SOUTH SIDE FROM BRUNSWICK ST. EASTWARDLY.

Asphalt, (at \$27.50 ton 2000 lbs.), 2½ barrels at \$5.11	\$12 78
Truckage, 2½ barrels at 6c.....	15
Refined tar, 4 barrels, 37 gallons each, 148 gallons at 13c.....	19 24
Sand, 200 bushels at 4½c.....	9 00
Truckage, 200 bushels at 1½c.....	3 00
Pebbles, 118 bushels at 6c.....	7 08
Truckage, 118 bushels at 1½c.....	1 77
Kerosene Oil, 1 gallon at 20c.....	20
Machine Oil, 1 gallon at 25c.....	25
Wood, 1 cord at \$2.50.....	2 50
Labor payroll October 8th, 1900.....	22 59
Cartage payroll October 8th, 1900.....	4 40
	<hr/>
206.16 sq. yards at 40c.....	\$82 96

GEORGE ST., NORTH SIDE FROM HOLLIS ST., EASTWARDLY, (CONCRETE.)

Cement, 12 barrels at \$2.60	\$31 20
Sand, 42 bushels at 4c.....	1 68
Gravel, 33 bushels at 4c.....	1 32
Broken Stone, 56 bushels at 4c.....	2 24
Labor payroll October 8th, 1900.....	31 00
Cartage payroll October 8th, 1900.....	10 40
	<hr/>
Tools, plant, &c., at 2%.....	\$77 84
	1 55
44.77 yards at \$1.77	\$79 39

GEORGE ST., NORTH SIDE, AND HOLLIS ST., EAST SIDE, AT W. & C. SILVER'S,
(RELAYING FLAG SIDEWALK.)

Cement, 1 barrel.....	\$ 2 60
Gravel, 28 bushels at 4c.....	1 12
Sand, 5 bushels at 4c.....	20
Labor payroll October 8th, 1900.....	13 44
Cartage	1 20
	<hr/>
71.75 sq. yards at 26c.....	\$18 56

BRICK SIDEWALK, BARRINGTON STREET, WEST SIDE, FROM BELL STREET, NORTHWARDLY, (1900.)

Sand, 84 bushels at 4c	\$ 3 36
Gravel, 28 bushels at 4c	1 12
Cement, 1½ barrels at \$2.60	3 90
Brick, 2360 at \$9.00	21 24
Labor	9 29
Cartage	3 40
	<hr/>
55.91 sq. yards at 76c.....	\$42 31

CONCRETE SIDEWALK, BARRINGTON ST., EAST SIDE FROM BELL ST., SOUTHWARDLY.

Broken Stone, 42 bushel at 7c.....	\$ 2 94
Cement, 11 barrels at \$2.50	27 50
Sand, 42 bushel at 4c	1 68
Gravel, 49 bushel at 4c	1 96
Labor payroll July 29th, 1901.....	24 94
Cartage payroll July 29th, 1901.....	13 65
	<hr/>
Tools, plant, &c., 2%.....	\$72 67
	<hr/>
40.63 sq. yards at \$1.82.....	\$74 12

BRICK SIDEWALK AT A. & W. SMITH'S PROPERTY EAST SIDE OF BARRINGTON ST., NORTH OF BELL ST., (1901.)

Brick, 1150 at \$9.00	\$10 35
Cement, 1 barrel.....	2 50
Gravel, 28 bushels at 4c.....	1 12
Sand, 42 bushels at 4c.....	1 68
Setts, 320 at 7c.....	22 40
Labor	7 41
Cartage	4 45
	<hr/>
34.47 sq. yds. at \$1.45, (Brick, 25.88 sq. yds., Block, 8.59 sq. yds.) ..	\$49 91

BRICK SIDEWALK, NORTH SIDE JACOB ST., (RELAID.)

Cement, 9 barrels at \$2.50.....	\$22 50
Gravel, 63 bushels at 4c.....	2 52
Sand, 260 bushels at 4c.....	10 40
Labor payroll, November 4th and 18th, 1901.....	60 04
Cartage payroll, November 18th, 1901	10 24
	<hr/>
294.42 sq. yards at 36c.....	\$105 70

 ASPHALT SIDEWALK N. AND S. SIDE CORNWALLIS ST., FROM LOCKMAN ST., WEST.

	LABOR.	CARTAGE.	
Aug. 12th, 1901—Grading	\$ 9 44	\$ 8 46	\$ 17 90
Laying	39 74	6 23	
		<u>\$45 97</u>	
1866 lbs. Asphalt at 1¼c.....		\$23 33	
131 gallons Tar at 13c.....		17 03	
414 bushels Sand at 4½c.....		18 63	
Truckage at 1½c.....		6 21	
1 gallon Spindle Oil		35	
½ gallon Kerosene Oil		11	
		<u>65 66</u>	
			<u>111 63</u>
Tools, Plant, &c., at 2%.....			\$129 53
			<u>2 59</u>
239.77 sq. yards at 55c.....			<u>\$132 12</u>

The above includes sidewalk on Barrington St. in front of Thomas P. Mulcahy, corner Cornwallis and Barrington Sts.

ASPHALT SIDEWALK, 160-162 LOCKMAN ST.

	LABOR.	CARTAGE.	
Aug. 26th, 1901—Grading	\$ 1 68	\$ 1 11	\$ 2 79
Laying	2 77	67	
		<u>\$ 3 44</u>	
425 lbs. Asphalt at 1¼c.....		\$ 5 32	
38 gallons Tar at 13c.....		4 94	
45 bushels Sand at 4½c.....		2 03	
Truckage at 1½.....		68	
		<u>12 97</u>	
			<u>16 41</u>
Tools, Plant, &c., at 2%			\$19 20
			<u>38</u>
47.62 sq. yards at 41c.....			<u>\$19 58</u>

ASPHALT SIDEWALK, W. SIDE LOCKMAN ST., ARTZ TO NORTH ST.

	LABOR.	CARTAGE.	
Grading—Aug. 26th, 1901.....	\$29 30	\$30 49	
September 9th, 1901.....	4 39	13 80	
			\$ 77 98
Laying, Aug. 26th, 1901 ..	\$14 35	3 11	
September 9th, 1901.....	61 53	11 35	
			\$ 90 34
6015 lbs. Asphalt at 1 $\frac{1}{4}$ c.....		\$75 19	
475 gallons Tar at 13c.....		61 75	
336 bushels Sand at 4 $\frac{1}{2}$ c.....		37 62	
Truckage at 1 $\frac{1}{2}$ c.....		12 54	
1 gallon Spindle Oil.....		35	
$\frac{1}{2}$ gallon Kerosene Oil.....		11	
		187 56	
			277 90
	LABOR.	CARTAGE.	
Sodding.....	\$18 62	\$8 68	27 30
			383 18
Tools, Plant, &c., at 2%.....			7 66
			390 84
590.60 sq. yards at 66c.....			\$390 84
(Asphalt per ton 2000 lbs., \$24.50, truckage, 50c.)			

LAYING BRICK SIDEWALK CORNER BUCKINGHAM AND ARGYLE ST.

(T. H. & W. T. FRANCIS.)

85 hours Mason at 36c.....		\$ 30 60
85 hours Labor at 14c.....		11 90
40 hours Cartage at 22 $\frac{1}{4}$ c.....		8 90
1800 Brick (old) at \$5.00.....		9 00
7 $\frac{1}{2}$ bushels Cement at 90c.....		6 75
112 bushels Sand at 5c.....		5 60
252 bushels Gravel at 5c.....		12 60
		85 35
132.49 sq. yards at 64c.....		\$85 35
(74.07 sq. yards relaid.)		

REPAIRS ASPHALT SIDEWALKS.

	LABOR.	CARTAGE.	
39571 lbs. Asphalt at 1 $\frac{1}{4}$ c.....	\$622 21	\$124 88	\$ 747 09
3457 gallons Tar at 13c.....		449 41	
6275 bushels Sand at 5c.....		313 75	
1 Cord Wood.....		5 00	
56 bushels Pebbles at 6c.....		3 36	
8 gallons Spindle Oil at 35c.....		2 80	
5 gallons Kerosene Oil at 20 $\frac{1}{4}$ c.....		1 01	
			1269 97
			\$2017 06

Cost of Breaking Stone at Poor Association Shed.

DATE.		No. of bush. broken.	Rate.	Amount.	Expenses of Foreman, &c.	Cost of stone at 1½c. per bush.	Total cost.	
Feb.	8.....	3439	4	\$137 56	\$12 00	\$51 59	\$201 15	
"	15.....	4775	"	191 00	10 10	71 63	272 73	
"	22.....	4505	"	180 20	11 00	67 57	258 77	
March	1.....	4588	"	183 52	10 10	68 82	262 44	
"	8.....	4587	"	183 48	10 35	68 81	262 64	
"	15.....	4281	"	171 24	10 10	64 22	245 56	
"	22.....	3265	"	130 60	10 35	48 97	189 92	
"	29.....	4507	"	180 28	10 10	67 60	257 98	
April	5.....	2757	"	110 28	10 10	41 36	161 74	
"	12.....	1206	"	48 24	9 50	18 09	75 83	
"	15.....	259	"	10 36	3 00	3 88	17 24	
		38169	.....	\$1526 76	\$106 70	\$572 54	\$2206 00
Coal, 1 load.....							3 50	
Interest, &c.....							33 61	
Sheds.....							473 81	
							\$2716.92	