

*Location, Size and Length in feet of Cast Iron Water Mains in the Water Supply System of  
the City of Halifax, April 30th., 1897.*

	From	To	Ser.	27"	24"	20"	15"	12"	9"	6"	4"	3"	Less than 3"
Whitman's	Water	Easterly	L							206			
Lawson's	do	do	"							240			
Boak's	do	do	"							156			
City	do	do	"									279	
Corbett's	do	do	"							266			160
Levi Hart's	do	do	"									200	
Jones'	do	do	"							381			
Plant	do	do	"							199		47	
Caldwell's	do	do	"							282			
Butler's	do	do	"							216			
Mitchell's	do	do	"									180	
Queen's	do	Hydrant	"							105			
Market	do	Easterly	"									150	
City	do	do	"							214	54	190	
Bennett's	do	do	"							204		200	
Power's	do	do	"									120	
Black's	do	do	"									375	
Pickford & Black's	do	do	"							192			
Central	do	do	"									200	
Ordnance	do	do	"							255			
O'Connor's	do	do	"							247			
Tobin's	no	do	"							287			
Commercial	do	do	"									340	
Cronan's	do	do	"							264			
Taylor's	do	do	"							213			
Liverpool	do	do	"							192			
McKay Bennett..	do	do	"							200			
Cunard's	do	do	"							100			
do N	do	do	"							149			
I. C. R. S.	do	do	"							175			

I. C. R. N....	Water	do	"							150			
Marine & Fisheries	do	do	"							140			
Dockyard	do	Hydrant	"							175			
do	do	do	"							80			
do	Lockman	do	"							230			
Magazine	Campbell Road	Hydrant	"							162			
Graving Dock	Renforth	Easterly	"							252	175		
Acadia Sugar	Campbell Road	do	"									138	
Wellington Barr'k	Gottingen	Easterly	H						680				
do	do	9" Main	"							360			
do	do	do	"							280			
R. A Park	Sackville	Southerly	"							180	175		
R E. Yard	do	do	"								105		
Citadel	do	Citadel	"							600			
Glacis Barracks			L								480		
Belle Vue	Spring Garden Rd.	House	"									112	
Victoria Hospital	Morris	Hydrant	"									335	
do	do	Hydrant	"								180		
Poor's Asylum	Robie	Hydrant	H							420			
Prot. Industrial S	Quinpool Road	School	"									900	
Cath. do do	24" Main	do	L								2151		
Exhibition Grounds	Brockley's Lane	Hydrant	"								254		
Public Gardens	South Park	Westerly	"									750	
Common	12" Main	Egg Pond	"									190	
Mains	Spruce Hill Lake	Hatchbox near old Bay Road	II			6712							
do	do	do do	"				29628						
do	do	Sackville	"					2340					
do	Chain Lakes	St. Andrew's Cross	L			13592							
do	do	do	"		14560								
do	do	do	"				2860						
do	St. Andrew's Cross	South Park	"					1624	1624				
do	do	Cogswell	"						1730				
do	do	Cornwallis	"										
do	do	do	"										
do	North Pipe House	East pipe house	"			292		312					
do	do	do	"			50							
do	do	Settling basin	"										

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the City of Halifax, April 30th, 1897.*

	From	To	Ser.	27"	24"	20"	15"	12"	9"	6"	4"	3"	Less than 3"
Wastes.								60					
Lower Chain Lakes	Settling basin	through dam ..	L	.....	.....	.....	.....	164	.....	.....	.....	.....	.....
do do	New Pipe House	Easterly .....	"	.....	.....	.....	.....	84	.....	.....	.....	.....	.....
Dutch Village Rd.	27" Main	Southerly .....	"	.....	.....	.....	.....	9	.....	.....	.....	.....	.....
do do	24" Main	Brook .....	"	.....	.....	.....	.....		.....	75	.....	.....	.....
do do	15" Main	do .....	H	.....	.....	.....	.....	450	.....	.....	.....	.....	.....
Spruce Hill Lake	Pipe House....	North Westerly	"	.....	.....	.....	.....		.....	.....	.....	.....	.....
Total .....				14560	20524	6712	44236	37201	42176	99881	15908	48249	898

Total length  $62\frac{2985}{5280}$  miles.

HALIFAX, N. S., May 1, 1897.

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 Board of Health Departments.

Respectfully submitted,

CLAUDE DONOVAN,  
*Plumbing Inspector.*

## Water Department.

	May	June	July	August	Sept.	October	Nov.	Dec.	Jan.	Feb.	March	April	Total
No. of Meter Readings	137	138	138	141	134	136	106	127	129	147	136	168	1637
No. of houses examined and Collector's orders issued for turning on	24	13	14	16	15	24	43	22	5	7	6	33	222
Total	161	151	152	157	149	160	149	149	134	154	142	201	1859

## Meters in use during past year.

KIND.	$\frac{1}{2}$ "	$\frac{3}{4}$ "	1"	1 $\frac{1}{4}$ "	1 $\frac{1}{2}$ "	2"	3"	4"	6"	Total.
Siemens	96	37	12	2	2	5	16	12	2	184
Crown	2	3	1							6
Beck							1			1
Starr		1								1
Hersey	1									1
Indicators						1				1
Total	99	41	13	2	2	6	17	12	2	194

Statement showing Class of places where meters are in use:

CLASS.	SIZE IN INCHES.								Indicators.	Total.		
	½	¾	1	1¼	1½	2	3	4			6	
Breweries.....	1	1				2	1				5	
Bakeries.....	4									1	4	
Churches.....							1				2	
Colleges.....	1	6	1				1				9	
Distilleries.....								1			1	
Elevators.....								3	6		10	
Electric L. & M. Companies.....			1	1		1		1			4	
Factories, Machine Shops, etc.....	6	6	1				2				15	
Halls, Clubs, etc.....	1	9	2								12	
Hospitals.....	1						1				2	
Institutions.....	3	8	3	1							15	
Laundries.....	1		2				1				4	
Nurseries.....			1								1	
Office Buildings.....	1	3									4	
Printing Offices.....	3	2									5	
Stables, Livery.....	10	1									11	
Stables, Private.....	5	1									6	
Tenements, Dwellings, etc.....	56	3	1			1					61	
Wharves Supplying Steamers.....	3				1		6	2	1		13	
Schools.....			1								1	
Dye Works.....	3										3	
Railroad, I. C. R.....					1			2			3	
Refineries.....							1				1	
Athletic Grounds.....		1									1	
P. H. & L. Co., Gas Works.....									1		1	
	99	41	13		2	2	5	17	12	2	1	194

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 SCALE OF RATES FOR ANNUAL RENTAL OF METERS.

 Adopted by Board of Works, June, 1892.
 

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

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

### SCHEDULE OF METER RATES 1896.

(Adopted by Council Oct. 27th, 1896)

1000 gallons daily		or under	15 cents per	1000 gallons.			
1000	"	to	2000	14½	"	"	"
2000	"	"	3000	14	"	"	"
3000	"	"	4000	13½	"	"	"
4000	"	"	5000	13	"	"	"
5000	"	"	6000	12½	"	"	"
6000	"	"	7000	12	"	"	"
7000	"	"	8000	11½	"	"	"
8000	"	"	9000	11	"	"	"
9000	"	"	10000	10½	"	"	"
10000	"	"	20000	10	"	"	"
20000	"	"	30000	9½	"	"	"
30000	"	"	40000	9	"	"	"
40000	"	"	50000	8½	"	"	"
50000	"	"	60000	8	"	"	"
60000	"	"	or upward	7½	"	"	"
Educat'l. and Charitable Inst's.				7	"	"	"

Minimum annual charge for water by Meter \$4.00.

## CONSUMPTION AND REVENUE BY METER.

NAME.	CLASS.	½	¾	1	1¼	1½	2	3	4	6	Indicators.	Total.	Gallons.	Revenue.
Victoria General Hospital	Hospital							1				1	13440500	\$ 407 14
H M. Lumber Yard	Wharf							1				1	1255650	162 23
Dalhousie College	College		1									1	163668	15 45
Ch. of England Institute	Hall		1									1	57431	12 61
St. Patrick's T.A. & B Soc	do		1									1	35068	9 26
Halifax Gas Light Co.	E. Works			1								1	555425	75 88
S Cunard & Co	Wharf	2							1			3	368830	81 81
Electric Light & Tm. Co.	Works				1		1		1			3	14143700	1210 98
McDongall's Distillery	Distillery									1		1	2537450	373 74
A. Keith & Son	Brewery		1					1				2	1995487	333 66
Smith Brothers	Store							1				1	714800	99 15
Burns & Murray	do								1			1	437400	79 33
Moir, Son & Co	Factory							1				1	1437600	200 79
T. & E. Kenny	Store								1			1	356900	67 56
J. Lindberg (Hx Brewery	Brewery						1					1	2445350	272 53
Dominion Government	App. Office							1				1	379800	65 06
"	Post Office							1				1	396050	68 31
Murdoch's Nephews	Store								1			1	727450	118 35
Stairs, Son & Morrow	do								1			1	512200	88 72
N. S. Sugar Refining Co.	Refinery							1				1	36972550	2782 92
Dominion Government	M. & F									1		1	1136000	177 04
Whelan & Ferguson	Factory	1										1	42600	8 45
W. H. Donovan	do		1									1	82950	16 48
MacDonald & Co	do		1									1	2375800	37 67
Musgrave & Co	Wharf								1			1	33000	9 95
Halifax Graving Dock	do				1					1		2	732200	124 40
Plant Steamship Co	do								1			1	1531000	221 14
Ladies College	College		2									2	503850	36 22
F. J. Quinn	Factory	1										1	73400	13 01
James Roue	do		1									1	125100	22 78
Halifax Club	Club		2									2	318450	55 76
St. Paul's Hall	Hall		1									1	41550	10 23
Queen Building	Offices	1	1									2	469650	75 38
J. Hunter Estate	Store	1										1	11900	5 22
P. Doyle	Dwelling	1										1	20800	5 12
J. McLearn	Stable	1										1	33150	6 97
J. Y. Payzant	Tenement	1										1	50200	9 53
B. Gladwin	Dwelling	1										1	26650	6 09
J. R. Lithgow	Office		1									1	250450	48 24
Carried forward		11	13	1	1	1	2	10	8	1		48		



## Consumption and Revenue by Meter. (Continued.)

NAME.	CLASS.	½	¾	1	1¼	1½	2	3	4	6	Indicators.	Total.	Gallons.	Revenue.
Brought forward.....		11	13	1	1	1	2	10	8	1		48		
J. Scott & Co.....	Store		1									1	43350	10 50
C. Kaizer.....	do		1									1	57950	10 68
D. A. Storey.....	Dwelling		1									1	49100	9 35
Nova Scotia Nursery.....	Greenhouse			1								1	249500	42 42
Alex. McKay.....	Laundry		1									1	95844	15 37
A. H. Whitman.....	Factory			1								1	163600	35 37
MacKay Bennett Co.....	Wharf						1					1	862300	130 72
E. B. Sutcliffe.....	Office		1			1		1				3	7285005	667 39
Scotch Dye Works.....	Works		1									1	30280	6 37
St. Luke's Cathedral.....	Church							1				1	333450	33 34
J. A. Leaman.....	Stable		1									1	101600	15 73
Deaf & Dumb Institute.....	Institute			2		1						3	1135300	93 46
Holy Heart Seminary.....	College			1								1	181300	17 69
T. D. Blackie.....	Mill		1									1	75290	15 28
Dom. Government, I.C.R.	Deep Water						1		1			2	262920	61 43
Methodist Church.....	Church										1	1	84777	5 94
St. Mary's Y. M. Hall.....	Hall		1									1	84550	16 68
City Club.....	Club		1									1	120600	22 09
J. Patterson.....	Factory		1									1	71050	13 65
Convent Sacred Heart.....	College							1				1	452800	41 69
F. D. Corbett & Co.....	Wharf							1				1	358000	63 70
J. A. Thompson.....	Foundry		1									1	67550	12 13
J. K. Hubley.....	Dye Works		1									1	67900	12 18
T. Robinson.....	Stable		3									3	196000	35 39
Conlon Brothers.....	do		1									1	17050	4 55
W. R. Newcombe.....	do		1									1	133900	23 08
R. Ainsley.....	do		2									2	67000	14 70
W. P. C. Inglis.....	do		2									2	113240	23 67
W. H. Isnor.....	do		1									1	58000	10 70
A. & W. Smith.....	Factory			1								1	166350	28 95
H. King, Estate.....	Stable			1								1	102770	19 41
Max Ungar.....	Laundry							1				1	4880900	518 09
Lawson, Harrington & Co	Wharf		1									1	9600	3 44
J. A. Leaman.....	Stable		1									1	39952	7 99
C. Hayward & Co.....	Brewery						1					1	1339400	182 12
Dominion Cotton Co.....	Factory							1				1	9566200	
R. C. Orphanage.....	Home			1								1	407150	32 50
Black Brothers.....	Wharf							1				1	397750	68 17
Dawes & Co.....	Brewery		1									1	28300	7 25
J. J. Ser'ven.....	Bakery		1									1	184450	29 66
F. J. Scott.....	do		1									1	64200	11 62
J. Fry.....	do		1									1	24900	5 73
Spain Brothers.....	Stable		1									1	186300	53 74
Carried forward.....		36	23	4	2	2	4	17	10	1	1	1100		

## Consumption and Revenue by Meter. (Continued).

NAME.	CLASS:	½	¾	1	1¼	1½	2	3	4	6	Indicators.	Total.	Gallons.	Revenue.
Brought forward.....		36	23	4	2	2	4	17	10	1	1	100		
Halifax Dispensary.....	Dispensary.....		1									1	34800	6 43
M. B. Vail.....	Laundry.....			2								2	1216700	173 00
G. M. Smith.....	Store.....							1				1	376750	70 35
Chronicle Office.....	Printing.....		1									1	348300	55 10
Herald Office.....	do.....		2									2	198500	34 83
B. G. Street.....	Dye Works.....		1									1	90100	15 52
Recorder Office.....	Printing.....		1									1	49000	10 35
I. O. O. F. Temple.....	Hall.....		1									1	26500	7 98
Halifax Medical College.....	College.....		1	1								2	180200	16 63
Mrs. Phelan.....	Tenement.....		1									1	368800	55 79
A. Young.....	Dwelling.....		1									1	15150	3 27
J. Doull.....	Tenement.....		1									1	130850	21 62
J. Hugh & Sons.....	Store.....		1									1	5100	4 77
Charles Myett.....	Tenement.....		1									1	111200	18 68
Farquhar & Forrest.....	Bakery.....		1									1	283400	42 52
J. A. Hancock.....	Dwelling.....		1									1	45350	9 80
Joseph Cashen.....	Tenement.....		1									1	36300	7 45
do do.....	do.....		1									1	49700	13 45
do do.....	do.....		1									1	183550	29 53
Mon. of Good Shepherd.....	Home.....			2								2	1664650	126 49
Thomas Hessian.....	Dwelling.....		1									1	65700	11 86
G. P. Henry.....	do.....		1									1	11500	3 72
C. Williston.....	Barn.....		1									1		
M. Dwyer.....	Dwelling.....			1								1	68100	12 71
A. Sullivan.....	do.....		1									1		
James Foley.....	do.....		1									1		
A. Urquhart.....	do.....		1									1		
C. A. Baker.....	do.....		1									1		
H. L. Wallace.....	do.....		1									1		
do.....	do.....		1									1		
do.....	do.....		1									1		
H. R. Silver.....	do.....		1									1		
W. J. Kirby.....	do.....		1									1		
J. J. Donnelly.....	do.....		1									1		
W. J. Delaney.....	do.....		1									1		
M. Keefe.....	do.....		1									1		
S. Bonnell.....	do.....		1									1		
William Francis.....	do.....		1									1		
W. E. Crowe.....	do.....		1									1		
G. L. Murray.....	do.....		1									1		
J. Mackintosh.....	do.....		1									1		
do.....	do.....		1									1		
Alex. Smith.....	do.....		1									1		
Carried forward.....		70	30	10	2	2	4	17	11	1	1	147		

## Consumption and Revenue by Meter. (Continued).

NAME.	CLASS.	½	¾	1	1½	2	3	4	6	Indicators.	Total.	Gallons.	Revenue.
Brought forward .....		70	30	10	2	2	4	17	11	1	147		
T. DeWolfe .....	Dwelling ..	1	:	:	:	:	:	:	:	1	1		
do .....	do	1	:	:	:	:	:	:	:	1	1		
do .....	do	1	:	:	:	:	:	:	:	1	1		
Mary Johnston .....	do	1	:	:	:	:	:	:	:	1	1	3350	
E. Gibson .....	do	1	:	:	:	:	:	:	:	1	1	2009	
Blind Asylum .....	Institution.	:	2	1	:	:	:	:	:	3	3	187750	17 40
W. McC Boak .....	Dwelling ..	1	:	:	:	:	:	:	:	1	1	4800	
W. H. Fulton .....	do	1	:	:	:	:	:	:	:	1	1	8250	
J. M. Creighton .....	do	1	:	:	:	:	:	:	:	1	1	1400	
L. Hamilton .....	do	1	:	:	:	:	:	:	:	1	1	6050	1 40
L. Borden .....	do	1	:	:	:	:	:	:	:	1	1	1250	
G. Wright .....	do	1	:	:	:	:	:	:	:	1	1	80	
do .....	do	1	:	:	:	:	:	:	:	1	1	23500	4 02
Mr. Tremaine .....	Factory ..	1	1	:	:	:	:	:	:	2	2	239000	34 96
J. A. Glassey .....	Stable .....	1	:	:	:	:	:	:	:	1	1		
Salvation Harbor .....	Home .....	:	1	:	:	:	:	:	:	1	1	300000	22 00
Protestant Orphanage .....	do .....	:	1	:	:	:	:	:	:	1	1	88050	7 49
St. Paul's Almshouse .....	do .....	1	:	:	:	:	:	:	:	1	1	384300	27 90
La Salle Academy .....	College .....	:	1	:	:	:	:	:	:	1	1	32700	3 29
Old Ladies' Home .....	Home .....	:	1	:	:	:	:	:	:	1	1	92250	8 46
St. Joseph's Convent .....	Convent ..	1	:	:	:	:	:	:	:	1	1	127850	9 95
Halifax Infirmary .....	Hospital ..	1	:	:	:	:	:	:	:	1	1	36993	3 09
Infant's Home .....	Home .....	1	:	:	:	:	:	:	:	1	1	150450	11 53
Pine Hill College .....	College .....	:	1	:	:	:	:	:	:	1	1	119800	10 38
David McKeen .....	Dwelling ..	1	:	:	:	:	1	:	:	1	1		
W. Robinson .....	do	1	:	:	:	:	:	:	:	1	1	980	
Thomas Smith .....	do	1	:	:	:	:	:	:	:	1	1		
James Kelly .....	do	1	:	:	:	:	:	:	:	1	1	1700	
M. Morrison .....	do	1	:	:	:	:	:	:	:	1	1	3750	
Gordon & Keith .....	Factory ..	:	1	:	:	:	:	:	:	1	1	29800	6 47
Peoples' Heat & Light Co .....	Gas Works	:	:	:	:	:	:	:	1	1	1	3342600	
R. E. Gammon .....	Stable .....	1	:	:	:	:	:	:	:	1	1		
Dom. Immigration Shed .....	Depot .....	:	:	:	:	:	:	1	:	1	1	653100	99 41
H. Bayers .....	Dwelling ..	1	:	:	:	:	:	:	:	1	1	6200	2 93
J. A. Hirtle .....	do	1	:	:	:	:	:	:	:	1	1	11200	2 68
Albro Street School .....	School .....	:	:	1	:	:	:	:	:	1	1	54250	6 30
T. J. Crockett .....	Dwelling ..	1	:	:	:	:	:	:	:	1	1	12450	3 78
Masonic Hall .....	Hall .....	:	:	1	:	:	:	:	1	1	1	323450	
N. S. Publishing Co .....	Printing ..	1	:	:	:	:	:	:	:	1	1	26100	5 91
Tennis Grounds .....	do	1	:	:	:	:	:	:	:	1	1	698	1 10
C. Connolly .....	Stable .....	1	:	:	:	:	:	:	:	1	1	38400	7 76
T. J. Crockett .....	Dwelling ..	:	1	:	:	:	:	:	:	1	1	12450	4 87
Y. M. C. A. Building .....	Hall .....	1	:	1	:	:	:	:	:	2	2		
		100	40	14	2	2	5	17	12	2	1194		

No. of Meters changed for non-registering .....	7
No. of Meters injured by frost .....	8
No. of Meters set and replaced .....	75
No. of Meters removed for various purposes .....	5

## PLUMBING AND DRAINAGE.

	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	March.	April.	Total.
No. of house drains inspected and passed .....	3	16	11	13	6	9	0	1	0	0	0	2	61
No. of Plumbing applications approved .....	49	35	32	28	51	49	39	30	16	27	40	35	431
No. of certificates recommended.	36	38	28	29	27	36	27	36	33	20	25	33	368

No. of permits cancelled .....	2
No. of times smoke test applied .....	104
No. of times water test applied .....	52
No. of times peppermint test applied .....	10
No. of houses inspected for defective plumbing and reported .....	28
No. of plumbing inspections .....	679
No. of houses inspected for defective drainage since connected with sewer .....	8
No. of houses remedied for defective plumbing, etc. ....	27
No. of houses examined and found tight .....	2

A number of houses in which plumbing work was done during 1896 were not strictly in accordance with Rules and Regulations of City Health Board, owing to their not being legally in force. Nearly all the work was done under inspection, and left in good sanitary condition.

CLAUDE DONOVAN,  
*Plumbing Inspector.*

**STREET FOREMAN'S REPORT.**

---

HALIFAX, N. S., May 1st, 1897.

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

Dear Sir:

I beg to submit a statement of the various works carried out by me under your direction during the past year.

All of which is respectfully submitted.

JOHN McDONALD,  
*Foreman of Works.*

## CATCH-PITS BUILT IN 1896.

NAME OF STREET.	POSITION OF CATCH-PIT.	No.
Water Street .....	From Cornwallis Street to Gray's Lane, West side	5 Curb
Coburg Road .....	Corner of Edward Street .....	1
South Street .....	“ Seymour Street .....	1
do .....	“ Henry Street .....	1
do .....	“ Edward Street .....	1
do .....	“ Robie Street .....	2 C Curb
Hollis Street .....	“ Prince Street .....	1
do .....	“ George Street .....	1
Buckingham Street .....	“ Granville Street .....	2
Jacob Street .....	“ Starr Street .....	1
do .....	“ Poplar Grove .....	1
Albemarle Street .....	“ Jacob Street .....	1
Brunswick Street .....	“ Jacob Street .....	1
Lorne Terrace .....	“ Brunswick Street .....	1 Curb
Queen Street .....	“ Spring Garden Road .....	1 “
South Park Street .....	“ Morris Street .....	1 C Curd
do do .....	“ South Street .....	1 “
Fenwick Street .....	“ Lucknow Street .....	1 “
Gottingen Street .....	“ North Street .....	1 Curb
Prince Street .....	“ Granville Street .....	1 “
South Street .....	“ South Park Street .....	1 “
Creighton Street .....	“ Cunard Street .....	1 “
Cunard Street .....	“ Creighton Street .....	1 “
Windsor Street .....	“ Allan Street .....	1 “
do .....	“ Welsford Street .....	1 “
Allen Street .....	“ Windsor Street .....	1 “
Campbell Road .....	“ Russell Street .....	1 “
Gottingen Street .....	“ Russell Street .....	2 “
Robie Street .....	Back of Cemetery .....	1 “
Dresden Row .....	Corner of Spring Garden Road .....	1 “
Brunswick Street .....	Near St Patricks, East side .....	1 “
do do .....	Corner of Gerrish Street .....	1 “
Louisburg Street .....	“ Shirley Street .....	2 “
Russell Street .....	“ North Starr Street .....	2 “
do .....	Between North Starr and Gottingen Streets .....	2 “
Lockman Street .....	From Cornwallis to Gerrish Streets, West side .....	3 “
Birmingham Street .....	Between Rottenburg and Morris Street .....	1
	Total .....	49

## SEWERS

STREET.	From.	To.	Size in inches.	Material.	Length in feet.
Inglis .....	Tower Road .....	Wellington .....	20 x 30	.....	272
Wellington .....	Inglis .....	Lundy's Lane .....	20 x 30	.....	538
do .....	Lundy's Lane .....	M. H. 512' Northerly..	16 x 24	.....	512
do .....	M. H. 512' Northerly..	M. H. / S. of South	12 x 18	.....	214
Gottingen .....	Old Ladies Home .....	North .....	20 x 30	.....	743
Barrington .....	Duke .....	George .....	12 x 18	.....	288
Buckingham .....	Granville .....	Grafton .....	20 x 30	.....	557
Barrington .....	Buckingham .....	Duke .....	12 x 18	.....	265
Campbell Road ..	Russell .....	Southwardly .....	12 x 18	.....	226
Barrington .....	Salter .....	Spring Garden Road ..	14 x 21	.....	226
Spring Garden Rd	Barrington .....	Grafton .....	12 x 18	.....	363
Grafton .....	M. H. North Buckingham	M. H. South of Duke.	12 x 18	.....	347
Creighton .....	Cunard .....	Gerrish .....	14 x 21	.....	579
Brunswick .....	North of Buckingham..	Duke .....	12 x 18	.....	511
Blowers .....	Grafton .....	Albemarle .....	12 x 18	.....	170
Albemarle .....	Blowers .....	M. H. South Sackville	12 x 18	.....	270
Gerrish .....	Gottingen .....	Maynard .....	16 x 24	.....	617
Louisburg .....	Linden .....	Pepperell .....	16 x 24	.....	555
Argyle .....	Jacob .....	Bell's Lane .....	12 x 18	.....	193
Gottingen .....	Opp No. 4 Engine House	Almon .....	20 x 30	.....	112
do .....	Almon .....	Sullivan .....	16 x 24	.....	985
Almon .....	Gottingen .....	Westwardly .....	20 x 30	.....	93
Brunswick .....	Proctor's Lane .....	Hurd's Lane .....	12 x 18	.....	394
Chestnut Place ..	Cunard .....	End of Place .....	12 x 18	.....	240
Brunswick Court ..	Cornwallis .....	End of Court .....	9" EP*	.....	172
Bell's Lane .....	Water .....	Barrington .....	36" Con.	.....	161
Sullivan .....	Gottingen .....	Westwardly .....	12 x 18	.....	550
Totals .....				CONCRETE	11053

\* Earthenware Pipe.

## CONSTRUCTED IN 1896.

Number of Manholes.	Number of Drain connections.	No of Ca'c'pits	Average depth in f et.	Average depth of soil in feet.	COST OF WORK.			Average cost per lineal foot.	Sewerage rates at \$1.25 per lineal foot from.	Foreman.			
					Labour and Truckage.	Material including Concrete.	Total.						
1	....	..	10-10	3-0	3022.68	2099.59	5122.27	3.33	411.05	C. McGillivray			
2	..	..	7-00	7-0					..	..	..	..	..
3	7	..	10-42	8-0					..	..	..	3279.55	" "
1	..	..	6-65	6-0	3701.80	1642.95	5344.75	7.19	..	" "			
2	26	..	10-10	2-0					..	..	..	1618.48	P. McKenzie
2	1	..	12-00	7-5					686.84	281.31	968.15	3.36	352.41
3	17	..	10-50	2-0	1324.52	950.87	2275.39	4.08	856.62	P. McKenzie			
1	9	..	11-31	3-0	1161.01	324.34	1485.35	5.60	664.82	W. Hawley			
1	9	..	12-0	2-5	1184.04	344.36	1528.40	6.76	452.62	B. Umlah			
2	1	..	8-5	8-5	601.09	537.41	1138.50	1.93	385.53	C. McGillivray			
2		..	8-0	8-0					903.97	" "			
2	14	..	9-77	2-0	1674.30	509.68	2183.98	6.29	748.60	P. McKenzie			
2	34	..	8-71	1-25	1525.16	725.88	2251.04	3.78	1352.29	C. McGillivray			
3	....	..	10-45	5-0	1729.22	650.40	2379.62	4.65	1212.84	" "			
1	10	..	11-15	11-15	426.69	204.38	631.07	3.71	271.36	P. McKenzie			
1	9	..	11-50	11-5	632.44	223.44	855.88	3.16	771.70	" "			
—	4	..	9-50	1-5	1793.17	762.02	2555.19	4.14	928.04	C. McGillivray			
2	3	..	11-77	6-0	2328.95	748.25	3077.20	5.54	1161.79	B. Umlah			
1	....	..	9-41	4-2	469.87	218.79	688.66	3.56	487.82	C. McGillivray			
1	13	..	9-35	3-0	3438.46	1613.81	5052.27	4.24	..	P. McKenzie			
4		..	8-07	3-0					2611.70	" "			
1	1	..	10-00	7-0	1891.79	641.21	2533.00	6.42	216.56	" "			
2		..	11-10	1-0					993.78	C. McGillivray			
2	5	..	8-50	5-0	804.28	287.04	1091.32	4.54	602.31	B. Umlah			
1	6	..	8-66	4-0	361.36	96.81	458.67	2.66	306.58	W. Hawley			
3	3	..	9-91	9-9	645.10	498.08	1143.18	7.10	224.49	C. McGillivray			
2	14	..	8-30	4-0	1773.61	795.08	2568.69	4.67	1451.38	P. McKenzie			
48	186	..			\$31176.88	\$14155.70	\$45332.58	\$4.10	\$22266.29				



# GRANITE CURB LAID IN 1896.

NAME OF STREET.	From.	To	Remarks.	No. OF FEET	
				Straight.	Circular.
Pleasant, W. side	South	Harvey	Re-laid	} 646' 0"	14' 2"
do do	Harvey	Morris	do		
Hollis do	Prince	George	do	} 327' 10"	36' 8"
Barrington E. side	Salter	Northwardly	do		
do do	Blowers	Northwardly	do	} 242' 8"	32' 7"
Brunswick E. side	Jacob	Artz Lane	do		
Water W. side	Cornwallis	Gray's Lane	do	3048' 8"	158' 8"
Lockman W. side	Cornwallis	Gerrish	Part Re-laid. p.new	( old 540'	15' 9"
				( new 565'	15' 9"
do do	Gerrish	Artz Lane	New	646' 0"	31' 7"
Grafton.. W. side	Spring Garden Rd	Blowers	Re-laid	226' 9"	20' 2"
Salter ... S. side	Hollis	Barrington	New	275' 8"	20' 3"
Gottingen E. side	Cornwallis	Prince William	Re-laid	557' 0"	18' 0"
South Park.....	Corner of Spring	Garden Road	New	58' 6"	46' 0"
Prince.. N. side	Granville	Barrington	Re-laid	120' 0"	.....
North .. S. side	Brunswick	W. A. Adam's P'ty	New	274' 8"	.....
Pleasant W. side	Smith	Northwardly	Re-laid	95' 0"	12' 6"
Barrington E. side	Front of Gordon &	Keith's New Bld'g	do	100' 0"	.....
Almon .....	Corner of Agricola	.....	New	13' 1"	16' 0"
Rottenburg .....	Cor. of Birming'm	.....	New	88' 5"	16' 0"

DETAILED COST OF MATERIALS USED IN SEWERS CONSTRUCTED DURING 1896.

Number.	STREET.	Cost of concrete.	Manholes.		Dynamite.	Electric Fuse.		Bricks.	Cement.	Sand.	Broken Stone.	Coal.	Crock Pipe.								Lumber, oil, tools, repairs, glass, water and gas pipes.	Total cost of materials.															
			Tops.			Steps.							No. at 36c. and 35c.	No. at 3c.	No. at 2 1/4 c.	Number at \$10 per 1000.	No. bbls. at \$2.60.	No. bushels at 7c.	No. bushels at 7c.	No. bushels at 20c.			Junct'ns		Bends.		Slants.		Straight Pipe.								
			No. granite at \$9.50.	No. iron at \$8.00.		Cost.	No. at 14c.																Cost.	Cost.	Cost.	Cost.	Cost.	Cost.	No. 9" x 6" at \$1.50.	Cost.	No. 9 inch at 80c.	Cost.	No. 6 inch at 33c.	Cost.	No. 9 inch at 57c.	Cost.	No. ft. 6 inch at 11c.
1	Wellington	\$1425 94	7	3	\$66 50	30	\$4 20	375	\$135 00	700	...	\$21 00	10400	\$104 00	71	\$184 60	492	\$34 44	...	54	\$10 80	...	...	7	\$2 31	...	...	...	36	\$20 80	\$100 00	\$2099 59					
2	Gottingen	862 51	2	...	19 00	12	1 68	1050	378 00	2100	...	63 00	2900	29 00	35	91 00	150	10 50	...	396	79 20	...	...	24	7 92	...	...	...	...	100 00	1642 95						
3	Barrington	155 52	2	...	19 00	5	70 40	14 40	150	...	...	4 50	2300	23 00	10	26 00	48	3 36	...	...	...	...	1	33	...	...	...	15	4 50	30 00	281 31						
4	Buckingham	640 55	3	...	28 50	18	2 52	90	32 40	300	...	9 50	4900	49 00	39	101 40	122	8 54	6	\$0 42	48	9 60	...	12	3 96	5	85	9	\$1 53	60 00	950 87						
5	Barrington	143 37	1	...	9 50	6	84	205	73 80	750	...	22 50	1500	15 00	5	13 00	48	3 36	...	...	...	...	9	2 97	...	...	...	...	40 00	324 34							
6	Campbell Road	122 04	1	...	9 50	6	84	230	82 80	762	...	22 86	2200	22 00	7	18 20	45	3 15	...	...	...	...	9	2 97	...	...	...	60 00	344 36								
7	Barrington St.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...						
8	Spring G'den Rd.	354 22	4	...	38 00	15	2 10	10	3 60	100	...	3 00	4343	43 43	19 1/2	50 70	117	8 19	...	...	...	...	...	1	57	...	...	12	3 60	30 00	537 41						
9	Grafton	187 38	2	...	19 00	10	1 40	325	113 75	...	1100	30 25	3200	32 00	10	26 00	84	5 88	...	...	...	...	14	4 62	...	...	...	...	60 00	509 68							
10	Creighton	405 30	2	...	19 00	8	1 12	400	140 00	...	1000	27 50	2400	24 00	12	31 20	84	5 88	...	...	...	...	34	11 22	...	6	\$0 66	...	60 00	725 88							
11	Brunswick	275 94	3	...	28 50	13	1 82	460	161 00	...	1200	33 00	3200	32 00	17	44 20	102	7 14	...	...	...	...	...	...	...	...	...	...	50 00	650 40							
12	Blowers	91 80	1	...	9 50	6	84	75	26 25	...	300	8 25	1900	19 00	8	20 80	56	3 92	...	...	...	...	7	2 31	3	1 71	...	...	20 00	204 38							
13	Albemarle	145 80	1	...	9 50	4	56	50	17 50	...	150	4 13	1400	14 00	5	13 00	14	98	...	...	...	...	9	2 97	...	...	...	...	15 00	223 44							
14	Gerrish	456 58	...	...	...	...	...	380	133 00	...	950	26 13	200	2 00	11	28 60	75	5 25	...	199	39 80	...	...	2	66	2	1 14	9	99	41	6 97	3	90	60 00	762 02		
15	Louisburg	410 70	2	...	19 00	10	1 40	280	98 00	...	900	24 75	4400	44 00	15	39 00	90	6 30	...	9	1 80	...	...	3	99	...	...	3	51	6	1 80	100 00	748 25				
16	Argyle	104 22	1	...	9 50	4	56	85	29 75	...	300	8 25	1600	16 00	7	18 20	33	2 31	...	...	...	...	...	...	...	...	...	...	30 00	218 79							
17	Gottingen	960 55	6	...	57 00	18	2 52	625	218 75	...	1750	48 13	6300	63 00	39	101 40	144	10 08	...	213	42 60	...	...	12	3 96	1	57	...	15	2 55	9	2 70	100 00	1613 81			
18	Brunswick	212 76	2	...	19 00	11	1 54	590	206 50	...	1562	42 06	3200	32 00	12	31 20	96	6 72	...	141	28 20	...	...	1	33	...	...	...	60 00	647 27							
19	Chestnut Place	129 60	2	...	19 00	6	84	115	40 25	...	500	13 75	2300	23 00	7	18 20	45	3 15	...	63	12 60	...	...	5	1 65	...	...	...	25 00	287 04							
20	Brunswick Court	...	1	...	8 00	...	...	50	17 50	...	250	6 88	...	...	1	2 60	6	42	...	...	...	...	5	\$7 50	1	\$0 80	...	162	27 54	...	25 00	96 87					
21	Bell's Lane	313 95	2	...	27 00	12	1 68	...	...	...	...	...	5000	50 00	24	62 40	165	11 55	...	...	...	...	3	99	...	...	3	57	...	30 00	498 08						
22	Sullivan	297 00	2	...	19 00	7	98	635	222 25	...	1450	39 88	3000	30 00	10	26 00	66	4 62	...	252	50 40	...	...	15	4 95	...	...	...	100 00	795 08							
Totals		\$7695 73 46	2	453 00	201	\$28 14	6070	\$2144 50	4862	11412	\$459 72	66643	\$666 43	364 1/2	\$947 70	2082	\$145 74	6	\$0 42	1606	\$321 20	5	\$7 50	1	\$0 80	167	\$55 11	15	\$8 55	15	\$1 65	233	\$39 67	83	\$24 90	\$1755 00	\$14755 70

## GRANITE GUTTERS LAID IN 1896.

NAME OF STREET.	From.	To	Remarks.	NO. OF FEET.	
				Straight.	Circular.
Pleasant	South	Harvey	West side	646' 1"	69' 0"
do	Harvey	Morris	West side		
Hollis	Prince	George	West side	328' 6"	36' 8"
Barrington	Salter	Northwardly	East side	242' 8"	16' 10"
do	Blowers	Northwardly	East side		
Brunswick	Jacob	Artz Lane	East side	3048' 8"	158' 8"
Water	Cornwallis	Gray's Lane	West side	743' 8"	23' 0"
Lockman	Cornwallis	Gerrish	West side	1105' 9"	18' 0"
do	Gerrish	Artz Lane	West side	646' 0"	36' 0"
Grafton	Spring Garden Rd	Blowers	West side	230' 1"	20' 2"
Salter	Hollis	Barrington	South side	275' 3"	20' 5"
Gottingen	Cornwallis	Prince William	East side	557' 0"	18' 0"
South Park	Corner of Spring	Garden Road		58' 6"	48' 8"
Prince	Granville	Barrington	North side	120' 2"	
North	Brunswick	W. A. Adam's P'ty	South side	275' 0"	
Pleasant	Smith	Northwardly	West side	94' 4"	
Barrington	Front of Gordon &	Keith's New Bld'g	East side	100' 9"	
Almon	Corner of Agricola			17' 3"	18' 1"
Rottenburg	Cor. of Birmingh'm			93' 4"	18' 0"
Barrington	Bell's Lane	Jacob	East side	306' 3"	
Bell's Lane	Water	Barrington	North side		
Argyle	Jacob	Buckingham	Both sides	721' 0"	
Jacob	Grafton	Brunswick	Both sides	493' 0"	

## STREETS MACADAMIZED IN 1896.

NAME OF STREET.	From.	To	Remarks.	No. Sq. Yds
Spring Garden Road	Carlton .....	Robie .....	Stone from Association	.....
Robie .....	Welsford .....	Quinpool Road .....	Stone from Association	.....
Kempt Road .....	Cemetery Gate .....	Windsor .....	Stone from Crusher...	.....
South Park .....	South .....	Victoria Road .....	Stone from Association	.....
Chebucto Road .....	Windsor .....	Polo Grounds .....	Stone from City Prison	.....
Quinpool Road .....	John Dence .....	Flinn's Property .....	Stone from Association	.....
Kempt Road .....	Railway Crossing ..	Young .....	Stone from City Prison	.....

**STOCK REPORT, APRIL 30th., 1897.**  
**SEWERAGE, PERMANENT PAVEMENT, STREETS, ETC.,**  
*in Stockyard and on Service,*

TOOLS, ETC.	NUMBER.	REMARKS.
Tool Boxes, Wooden .....	20	
"    "    Sheet Iron .....	3	
Padlocks and Keys .....	30	
Picks .....	272	
"    Gutter .....	30	
Shovels .....	183	
"    Short handle .....	8	
"    Snow .....	2	
"    Coal .....	18	
"    Scoop .....	14	
Crowbars .....	57	
Pinch Bars .....	20	
Gads .....	29	
Steels, from 2 to 7 feet.....	210	
Guns .....	15	
Scrapers .....	47	
Sledge Hammers .....	28	
Striking " .....	98	
Paving " .....	16	
Napping " .....	33	
Wall " .....	11	
Hand Drills .....	25	
Points .....	35	
Chisels .....	14	
Plugs and Feathers, (Sets) .....	6	
Reels and Lines .....	13	
Riddles .....	2	
Rakes .....	5	
Axes .....	6	
Saws .....	8	
Plastering Trowels .....	2	
Buckets, Wooden .....	15	
"    Iron .....	4	
Founders, Cast Iron .....	23	
"    Curb .....	20	
"    Paving .....	6	
Lanterns .....	22	
Lantern Burners .....	6	
Spirit Levels .....	3	
Wheelbarrows .....	18	
Handbarrows .....	2	
Brooms, Bass .....	15	
"    Birch .....	48	

*Stock Report, (Continued.)*

TOOLS, ETC.	NUMBER.	REMARKS.
Templates .....	14	
Tube Brushes .....	6	
Hydrant Wrenches .....	8	
Sewer Rods .....	61	
" Scrapers .....	4	
Sand Screens .....	3	
Watering Cans .....	2	
Batteries .....	6	
Battery Wire, feet.....	400	
Blasting Horns .....	3	
Concrete Perforators .....	2	
" Seavers .....	1	
Lining Rods, (Sets) .....	12	
Cross Heads, (Sets) .....	8	
Straight-edges .....	6	
Mortar Boards .....	5	
Lawn Mower .....	1	
Hoes .....	1	
Weed Trimmers.....	1	
Shears .....	1	
Notice Boards.....	6	
Hand Spikes .....	2	
Hydrant Caps, with Taps.....	3	
Rubber Boots, (pairs).....	4	
Rope, (yards) .....	200	
Horse Roller .....	1	
Tar Pot and Gear .....	1	
Pick Handles [doz] .....	7 $\frac{1}{2}$	
Shovel " " .....	13	
Hammer " " .....	11	
Ruby Lantern Globes .....	32	
Torches .....	4	

*Stock Report, (Continued.)*

NEW GRANITE.	Number.	Feet.	Remarks.
Curbing, straight .....		330' 0"	
" circular .....		98' 10"	
18" Gutters, straight .....		83' 4"	
" circular .....		62' 8"	
Catch-pit Curb .....	49	.....	
Square Manhole Tops .....	17	.....	
Boundary Stones .....	50	.....	
OLD GRANITE.			
Curbing, straight .....		250' 0"	
" circular .....		20' 0"	
18" Gutters, straight .....		350' 0"	
Curbing, dressed, straight .....		120' 10"	
" " circle .....		90' 0"	10' radius
" " " .....		11' 0"	12' radius
18" Gutters, " straight .....		783' 5"	
16" " " " .....		47' 2"	
Hatch Curb, dressed .....		265' 5"	
Granite Flags .....	13	105' 5"	

## Stock Report, (Continued.)

CROCK PIPE.	Number.	LENGTH.		Remarks.
		Feet.	Inches	
4" Crock Pipe .....	3	6	0	
6" do .....	307	921	0	
9" do .....	413	1239	0	
18" do .....	3	8	0	
6 x 4 do Y's .....	19	57	0	
6 x 6 do Y's .....	15	45	0	
6 x 4 do T's .....	22	66	0	
6 x 6 do do .....	18	54	0	
9 x 6 do do .....	1	2	0	
10 x 6 do do .....	6	12	0	
10 x 6 do Y's .....	7	14	0	
12 x 6 do T's .....	12	36	0	
15 x 6 do do .....	14	42	0	
6" Slants .....	67	.....	.....	
9" do .....	183	.....	.....	
6" Bends .....	38	.....	.....	
9" do .....	70	.....	.....	
12" do .....	6	.....	.....	
4" do .....	1	.....	.....	
15" do .....	1	.....	.....	
6" Traps .....	78	.....	.....	
9" do .....	18	.....	.....	
6" Stoppers .....	52	.....	.....	
6" Thimbles .....	129	.....	.....	
Tiles .....	6000	.....	.....	



*Stock Report, (Continued.)*

CONCRETE.	Number.	REMARKS.
36" Sewer Blocks .....	700	
48" do .....	350	
24 x 36 do .....	116	
20 x 30 do .....	100	
14 x 21 do sides .....	2000	
14 x 21 do tops .....	470	
Conductors .....	320	
Catch Pit Curb .....	2	
Straight Curb, 3' x 2' 6" .....	33	
Steps .....	3	
Flags, 18 x 18 .....	58	
do 18 x 8 .....	14	
Slabs .....	6	
6" Thimbles .....	26	
9" do .....	14	
CASTINGS.		
Square Man-hole Tops .....	12	
do do Covers .....	24	
Round do do .....	11	
Man-hole Step .....	89	
Catch Pit Covers .....	16	
Round, Coal-hole Tops .....	13	
do do Covers .....	13	
Crossing Plates .....	12	
Cellar Frame and Grating .....	1	
Square, Coal-hole Top and Cover .....	1	
Old Catch Pit Boxes and Gratings .....	4	

*Stock Report, (Continued.)*

MISCELLANEOUS.	Number.	REMARKS.
Brick, New .....	42000	
do Old .....	8000	
Sand, Bushels .....	1200	
Gravel, do .....	3000	
Lumber, 2in, feet .....	4000	
do 1in do .....	800	
Shelburne Blocks .....	29223	
Porphyry Blocks, tons .....	750	
Cobble Stones, " .....	1200	
Stone Rubble, " .....	1500	
Rough Granite, " .....	50	
Old Iron, " .....	8	
Coal, chaldron .....	$\frac{1}{2}$	
Kerosene Oil, gallons .....	15	
Dynamite, lbs .....	100	
Electric Fuses... ..	500	
Detonators .....	150	
Tape Fuse, feet .....	600	

*Stock Report, (Continued.)*

PLACE.	Number.	REMARKS.
<i>Blacksmith's Shop.</i>		
Bellows .....	1	
Anvils .....	1	
Sledge, (Forge) .....	1	
Hammer .....	1	
<i>Carpenter's Shop.</i>		
Pine, 2 inch, feet .....	400	
" 1½ " " .....	400	
" 1 " " .....	700	
" 6 x 6 pieces .....	6	
Rubber Hose, feet .....	800	
<i>In Shed.</i>		
Cement, Barrels .....	821	
Asphalt " .....	7	
Hard Pan Plough .....	1	
Street Scrapers .....	2	
" Sweepers .....	2	
" Heapers .....	1	
Steam Roller .....	1	
Donkey Boiler .....	1	
Steam Drill and Gear .....	1	
Pumps .....	4	
" Edison Patent .....	2	
Snow Ploughs .....	2	
Dory Boat .....	1	
Shear Poles, sets .....	1	
Blocks and Tackle .....	2	
Old Stone Crusher .....	1	

*Statement of 18 inch Granite in Stock Yard and on City Wharf.*

In Stock Yard .....	134' 0"	Can be used as Gutters.
" " .....	247' 5"	Can be used as Crossings.
On City Wharf ....	402' 0"	Can be used as Crossings.
Total .....	783' 5"	

Those on City Wharf have been dressed this winter by stone-cutter Thos. McCullough.

JOHN McDONALD,  
Foreman of Works.

## APPENDIX.

## CONTRACTS, 1896-7.

## WATER DEPARTMENT.

CONTRACTOR.	DESCRIPTION.	QUANTITY.	RATE	AMT.
Stairs, Son & Morrow .....	T. & B. Water Pipe .....	889341 lbs ...	\$33 55 ton ...	\$6531.19
" " " .....	do do .....	425986 " ...	33 25 " ...	7068.52 *

## SEWERAGE.

Brookfield Brothers .....	Cement 425 lbs nett .....	2000 bbls ..	\$2.44½	\$4885.00
Jacob Walton .....	Brick at Cotton Factory .....	100000' ....	7.90	790.00

## INTERNAL HEALTH.

Peter Kiddy .....	Removal of Ashes Garbage .....	29 weeks .....	57.00 .....	\$1648.00
George Harvey .....	Horses and Driver for Street Sprinkler .....	.....	2.95 day .....	.....

## STREETS.

City Prison .....	Broken Stone .....	.....	\$0.08½	.....
Poor Association .....	do do .....	35303 bush	0.06½	\$2313.54

*Contracts.—1896-7.—Continued.*

PERMANENT PAVEMENT.

C O Foss .....	Granite Setts .....	1944 36 s yds	\$2.00	\$3888.72
John McFatridge .....	Asphalt Sidewalks .....	.....	25 p.c. .40	.....
.....	.....	.....	30 p.c. .41	.....
.....	.....	.....	40 p.c. .43	.....
.....	.....	.....	50 p.c. .45	.....
.....	.....	.....	80 p.c. .50	.....
James P. Murray .....	S one for Crushing .....	.....	..... 0.02	.....
George Harvey .....	do do .....	.....	..... 0.02	.....

CITY PROPERTY.

T. J. Walsh .....	Painting Parade Fence, 2 coats & sanding .....	.....	.....	\$125.00
J E M. Taylor .....	Painting Yard Fence, 3 coats .....	.....	.....	229.00

LOCKMAN STREET IMPROVEMENT.

Eli Evans .....	Sale of No. 3 .....	.....	.....	\$5.00
do .....	do 13 .....	.....	.....	8.00
do .....	do 15 .....	.....	.....	5.00
do .....	do 21 .....	.....	.....	15.00
do .....	do 23 .....	.....	.....	10.00
do .....	do 39-41 .....	.....	.....	30.00
do .....	do 81 .....	.....	.....	15.00
do .....	do 103 .....	.....	.....	5.00
do .....	do 111 .....	.....	.....	20.00
do .....	do 163 .....	.....	.....	10.00

*Contracts.—1896-7.—Continued.*

E. G. Smith†	do	9			\$75.00
do	do	11			75.00
do	do	75.7			101.00
do	do	88			61.00
do	do	99			151.00
do	do	157			75.00
do	do	213-215			355.00
Mrs. M. A. Kent	do	43-5			225.00
J. B. Bennet ‡	do	47-9			105.00
D. J. Smith	do	97			125.00

CITADEL IMPROVEMENT.

I. E. M. Taylor	Painting Fence				70.00
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MISCELLANEOUS

Black Brothers	Hardware			Schedule	
Wm. Roche	Coal (Acadia)			Nut \$3 ton	
				Lump 5.25 ch	

\* \$13.50 off for breakage.

† Mr. Smith also gave piece of land on West side to widen street.

‡ Mr. Bennett do do do do do

## DETAILS OF COST OF WORK, 1896-7.

### WATER STREET PAVING.

*From Cornwallis Street to Gray's Lane. Aug. 8 to Sept. 9, 1896.*

JAMES DOWNEY, Foreman.

Labor and Cartage Pay Roll, August 17 .....	\$ 347 17	
"          "          "          31 .....	618 71	
"          "          "          Sept 14 .....	162 75	
McGrath and Adams cartage 14880 bushels stone at 2 $\frac{1}{2}$ c .....	334 80	\$1463 43
Crushed Stone, 14964 " 4 .....	598 56	
Sand, 5675 " 5 .....	283 75	
Gravel 2470 " 5 .....	123 50	
18 in. Granite Gutters from Yard, 57 feet at 46c .....	26 22	
16 in. " " " 62 " 41 .....	25 42	
16 in. " " " Kline, 743.8 " 41 .....	304 90	
16 in. Corners " " 23.0 " 63 .....	14 49	
Manhole Tops and Covers, 3 (round) 9 00 .....	27 00	
Cement, 2 barrels " 2.60 .....	5 20	
Shelburne setts, 2335 square yards " 2.00 .....	4670 00	\$6079 04
2496 square yards at 3.02 .....		7542 47
<b>RESETTING CURBSTONE</b>		
Pay Roll April 27th, 1896 .....		241 92
\$67 feet at 28 c .....		
Re-laying Granite Gutters in front of I. C. R. Freight depot.		
Pay Roll April 27th, 1896 .....		19 38

## CONCRETE SIDEWALKS.

*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 1896.*

HOLLIS STREET, West Sidewalk from Prince Street to George Street.

No.	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, re-setting, narrowing & filling up hatches, coal holes, etc.	Total cost of sidewalk in front of property.	Amount to be charged against the property owner, one half cost.
	Province of Nova Scotia.....	360.33	1.81	652.90		652.90	326.45

BARRINGTON STREET, East Sidewalk, from Blower Street Northwardly.

23	Miss Catherine Doyle .....	\$32.03	1.69	\$54.13	\$14.38	\$68.51	\$34.25
25-7-9	David King & Co .....	36.67	1.69	61.97	9.50	71.47	35.74
	J. G. Crump and G. A. Perrior } .....	24.98	1.69	41.52	9.04	50.56	25.28
31	Heirs of George Rent .....						
	Totals.....	93.68	1.69	157.62	32.92	190.54	95.27

BARRINGTON STREET, East Sidewalk, from Salter Street Northwardly.

Henry A McDonald.....	121.06	1.69	204.59		204.59	102.30
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I hereby certify the foregoing statement to be correct.

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

City Engineer's Office,  
Nov. 30th, 1897.



## Details of cost of Concrete Sidewalks.

*JAMES DOWNEY, Foreman.*

*HOLLIS STREET, West side, between Prince and George Street.*

### Labor and Cartage.

Pay roll June 8, 1896 .....	\$309 56	
“ “ 22, “ .....	40 39	
“ August 3, “ .....	6 23	
		\$356 18

### Materials.

538 bushels of Crushed Stone at 4c. per bushel .....	\$ 21 52	
378 “ Sand at 5c. “ “ .....	18 90	
294 “ Gravel at 5c. “ “ .....	14 70	
88 barrels of Cement at \$2.60 “ barrel .....	228 80	\$283 92
		\$ 640 10
Wear and tear of plant, tools, etc. 2 per cent .....		\$ 12 80
Total cost .....		\$652 90
Total number of square yards .....		360 33
Cost per square yard .....		1 81

### *Resetting Curb and Laying Granite Gutter.*

#### Labor and Cartage.

Pay roll May 25 1896 .....	\$ 40 40	
“ June 8 “ .....	82 26	
		\$122 66

#### Materials.

Broken Stone (Association) 126 bushels at 7c. ....	\$ 8 82	
Cement 3 “ at 90c. ....	2 70	
Granite gutters, 18 inch, (Kline) 327 ft. 10 in. at .46 .....	150 80	
Corner “ “ 36 “ 8 “ at .68 .....	24 93	\$187 25
Total cost .....		\$309 91
Total length of curb and gutter 364' 6" .....		
Cost per foot for labor and cartage .....		33-7 cents
Cost per foot including cement and stone .....		36 8 “

*Resetting Crossings*

## Labor and Cartage.

Pay roll June 22, 1896.....\$52 76

## Materials.

Gravel 56 bushels at 5c.....	\$2 80	
Sand 28 " at 5c.....	1 40	
Porphyry paving setts 95 at 7c.....	6 65	10 85
		<u>\$63 61</u>

*BARRINGTON STREET, west side, between St. Paul and George Street.*

## Labor and Cartage.

Pay roll May 25, 1896.....\$ 137 15

## Material.

Crushed Stone, 140 bushels at 4c.....	\$ 5 60	
Sand, 98 " at 5c.....	4 90	
Gravel, 112 " at 5c.....	5 60	
Cement, 28 barrels at \$2.60.....	72 80	88 30
		<u>\$225 45</u>

Wear and tear of plant, tools, etc. 2 per cent..... 4 51

Total cost.....	\$229 96
Total number of square yards.....	119 39
Cost per square yard.....	\$ 1 93

*BARRINGTON STREET, East side at Gordon & Keith's.*

## Labor and Cartage.

Pay roll November 9, 1896.....\$26 90  
 " " 23, " ..... 56 15  
 ----- \$ 83 05

## Material.

Crushed Stone, 126 bushels at 4 cents.....	\$ 5.04	
Sand 84 " 5 ".....	4.20	
Gravel 70 " 5 ".....	3 50	
Cement 18 barrels at \$2 60.....	46.80	59 54
		<u>\$ 142 59</u>

Wear and tear of plant, tools, etc. 2 per cent..... 2 85

Total cost.....	\$145 44
Total number of square yards.....	75 96
Cost per square yard.....	\$ 1 91



Sand 2 bushels at 7c.....	14
1 Granite coal hole top.....	9.00
1 Cast iron cover.....	84
	<u>\$ 14 38</u>

Nos. 25-7-9, DAVID KING & CO.

4 Hatches, June 25, 1896.

Mason 17 hours at 30c.....	\$5 10
Laborer 17 " at 12 $\frac{1}{2}$ c.....	2 12
Cement 2 bushels at \$1.00.....	2.00
Sand 4 " at 7c.....	28
	<u>\$ 9 50</u>

No. 31 HEIRS OF GEORGE RENT.

1 Hatch, July 7, 1896.

Mason 9 hours at 30c.....	\$2 70
Laborer 4 hours at 12 $\frac{1}{2}$ c.....	50
Cement 1 $\frac{1}{2}$ bushels \$1.00.....	1.50
Sand 3 bushels at 7c.....	21
Granite Hatch curb 5ft. 6 inches at 75c.....	4.13
	<u>\$ 9 04</u>

*Resetting Curb and Laying Granite Gutters.*

Labor pay roll June 22, 1896.....	\$ 76 09
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Materials.

Cement 3 bushels at 90c.....	\$ 2 70
Gravel 14 " at 5c.....	70
Association stone 70 bushels at 7c.....	4.90
18" Granite gutters 242 ft. 8 inches at 46c.....	111.63
18" Corner " 32 ft. 7 inches at 68c.....	22.16
	<u>\$ 142 09</u>
Total cost.....	<u>\$ 218 18</u>

*Relaying Crpsings at BLOWER and SALTER Street.*

Labor pay roll, July 20, 1896.....	\$ 61 66
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Materials.

Association stone 42 bushels at 7c.....	\$ 2.90
Gravel 70 " at 5c.....	3 50
Porphyry setts 150 " at 7c.....	10 50
Shelburne 90 " at 7c.....	6.30
	<u>\$ 23 24</u>
	<u>\$ 84 90</u>

## ASPHALT SIDEWALKS.

*Certificate of cost of Asphalt Sidewalks constructed in 1896 under the provisions of section 14 of chapter 60 of the acts of 1890 and acts in amendment thereof.*

BRUNSWICK STREET, East Sidewalk between Jacob Street and Artz Lane.

Number.	PROPERTY OWNER.	Per centage of Asphalt.	Area of Asphalt Sidewalk in front of property in square yards.	Cost of Asphalt Sidewalk per square yd			Cost of laying Asphalt in front of property.	Cost of grading, re-setting, narrowing and filling up hatches, coal hatches, Etc.	Total cost of sidewalk in front of property.	Amount to be charged against the property own. r one half cost.
				Asphalt.	Grading.	Total.				
177-187	T. F. Courtney .....	50	91.07	45	05	50	\$ 45 53	\$ 4 96	\$ 50 49	\$25.25
189 191	Patrick Forristall .....	50	87.86	45	05	50	18 68	16.65	85 83	17.67
193	Diocesan Synod of Nova Scotia, Rev. W. J. Ancient, Secretary .....	50	16.19	45	05	50	8 08	5 96	14 04	7.02
195-199	Patrick Hayden .....	50	55.83	45	05	50	27 66	20 91	48 57	24.29
201-211	A. G. Jones, et. al, Trustees .....	50	104.00	45	05	50	52 00	50 19	102 19	51.10
213-217	John W. Heckman .....	50	63.48	45	05	50	31 74	16 65	48 39	24.20
255	Leonard Scott .....	50	56.84	45	05	50	28 17	.....	28 17	14.09
257-261	Wm. Cunard .....	50	141.01	45	05	50	70 60	10 71	81 21	40.61
263	Trustees Brunswick Street Wesleyan Church, R. W. Fraser, Agent .....	50	44 44	45	05	50	22 22	2 27	24 49	12.25
265	Mrs. Anna M. Hiseler .....	50	31 96	45	05	50	15 98	.....	20 20	10.10
		75	7.67	50	05	50	4 22			

Asphalt Sidewalks.—Continued.

Number.	PROPERTY OWNER.	Per centage of Asphalt.	Area of Asphalt Sidewalk in front of property in square yards.	Cost of Asphalt Sidewalk per square yd			Cost of laying Asphalt in front of property.	Cost of grading, re-setting, narrowing and filling up hatches, coal holes, etc.	Total cost of Sidewalk in front of property.	Amount to be charged against the property owner, one half cost.
				Asphalt.	Grading.	Total.				
267-9	Wm. Roche .....	75	21.00	cts	cts	cts	11 55	2 84	\$ 50 96	\$25 48
		50	73 13	45	05	55	36 57			
	Trustees Brunswick Street Wesleyan Church, R. W. Fraser, Agent.....	50	137.90	45	05	50	68 95	.....	68 95	34 48
271	Mrs. Susan R. DeWolf.....	50	44.65	45	05	50	22 23	5.84	28 17	14 08
275	Henry D. Blackadar .....	50	78.46	45	05	50	39 23	.....	45 97	22 99
		75	12.26	50	05	55	6 74			
279	Nelson B. Smith .....	50	41.50	45	05	50	20 75	.....	20 75	10 38
283	John H. Bertram .....	50	79.48	45	05	50	39 74	.....	49 18	24 59
		75	17 17	50	05	55	9 44			
287-291	Dev. T. A. Anderson, Dr Anderson, Agent....	50	100.71	45	05	50	50 36	.....	50 36	25 18
298	W. L. Brown, Trustee Estate Wm. Brown ....	50	63.00	45	05	50	31 50	.....	31 50	15 75
295-297	John W. Heckman .....	50	91.25	45	05	50	45 63	.....	45 63	22 82
303	Murdoch Chisholm .....	75	11.34	50	05	55	6 24	.....	24 54	12 27
		50	36 60	45	05	50	18 30			
305	Sisters of Charity, Mount St. Vincent .....	75	11.62	50	05	55	6 39	.....	28 69	11 85
		50	34.59	45	05	50	17 30			
807-311	R. C. Episcopal Corporation .....	75	29.08	50	05	55	15 99	.....	147 44	73 72
		50	262.90	45	05	50	131 45			
313	Rev. John Lathern .....	50	37.10	45	05	50	18 55	.....	18 55	9 28
315	Rev. Stephen F. Huestis .....	50	32.24	45	05	50	16 12	.....	16 12	8 06
319	A. N. Brennan .....	50	29.40	45	05	50	14 70	.....	14 70	7 35

821	Sisters of Charity, Mount St. Vincent .....	{ 75	12 79	50	05	55	7 03	} .....	\$35 26	\$17 63	
		{ 50	56 46	45	05	50	28 23				
823 5	Heirs of Elizabeth Baker .....	{ 75	10 83	50	05	55	5 96	} .....	34 44	17 22	
		{ 50	56 96	45	05	50	28 48				
327-9	C. H. Longard, et. el., executors estate of John Longard .....	{ 75	10 20	50	05	55	5 61	} .....	37 31	18 66	
		{ 50	63 40	45	05	50	31 70				
331-3	Edward J. Longard .....	{ 75	25 18	50	05	55	13 85	} .....	66 79	33 39	
		{ 50	105 88	45	05	50	52 94				
335	Mrs. Eliza C. Pearman .....	{ 75	18 52	50	05	55	10 19	} .....	34 46	17 28	
		{ 50	48 53	45	05	50	24 27				
337	Alexander B. Macdonald .....	{ 50	48 53	45	05	50	24 27	} .....	31 39	15 70	
		{ 75	12 94	50	05	55	7 12				
341	Mrs. Lilian Sweet .....	{ 50	34 76	45	05	50	17 38	} .....	17 38	8 69	
		{ 75	11 42	50	05	55	6 28				
343	Dev. P. H. Peters .....	{ 50	28 15	45	05	50	14 08	} .....	20 36	10 18	
		{ 50	33 28	45	05	50	16 64				
345	Mrs. Harriet Rhind .....	{ 50	38 58	45	05	50	19 29	} .....	12 69	31 98	15 99
347-9	Mrs. Mary Moriarty .....	{ 50	30 09	45	05	50	15 05				
351	Robert W. Fraser .....	{ 75	5 76	50	05	55	3 17	} .....	18 22	9 11	
		{ 75	5 76	50	05	55	3 17				
353-5	Clarence C. Longard .....	{ 50	62 70	45	05	50	31 35	} .....	34 52	17 26	
		{ 75	7 38	50	05	55	4 06				
857 368	Mrs. Ellen Delaney .....	{ 50	121 55	45	05	50	60 78	} .....	4 68	69 52	34 76
		{ 50	132 37	45	05	50	66 19				
	Vestry and Wardens of St. George's Church .....	{ 75	11 86	50	05	55	6 52	} .....	66 19	33 10	
		{ 50	56 03	45	05	50	28 02				
377	W. A. Conrod .....	{ 75	15 23	50	05	55	8 38	} .....	34 54	17 27	
		{ 50	52 47	45	05	50	26 24				
383	George M. Smith .....	{ 75	10 17	50	05	55	5 59	} .....	3 26	25 67	12 84
		{ 50	33 64	45	05	50	16 82				
385	Peter Kelly .....	{ 50	31 24	45	05	50	15 62	} .....	3 26	26 57	13 29
387	W. M. Moir .....	{ 75	13 98	50	05	55	7 69				
391	John Rose .....	{ 75	12 50	50	05	55	6 88	} .....	32 09	16 05	
		{ 50	50 41	45	05	50	25 21				
	R. C. Episcopal Corporation .....	{ 50	28 33	50	05	55	15 58	} .....	70 15	35 08	
		{ 75	109 13	45	05	50	54 57				

Asphalt Sidewalks.—Continued.

Number.	PROPERTY OWNER.	Per centage of Asphalt.		Cost of Asphalt Sidewalk in front of property in square yards.			Cost of laying Asphalt in front of property.	Cost of grading, re-setting, narrowing and filling up hatches, coal holes, etc.	Total cost of Sidewalk in front of property.	Amount to be charged against the property owner, one half cost.
		Area of Asphalt Sidewalk in front of property in square yards.	Asphalt.	Grading.	Total.					
399	Miss Eliza Longard .....	75	11.88	50	05	55	6 53	.....	32 22	16 11
		50	51.38	45	05	50	25 69			
403	Edmund G. Smith .....	75	10.30	50	05	55	5 71	.....	80 71	15 36
		50	50.00	45	05	50	25 00			
405	Mrs. Maria Bell.....	75	11.18	50	05	55	6 15	.....	25 50	12 75
		50	38.69	45	05	50	19 35			
407	David Hunter .....	75	11.45	50	05	55	6 30	.....	25 65	12 83
		50	38.69	45	05	50	19 35			
409	Mrs D. M. Storey .....	50	32 55	45	05	50	16 28	.....	16 28	8 14
411-413	Elijah S. Pace .....	50	32 09	45	05	50	16 05			
			3589 51				\$1818 33	\$160 87	\$1974 20	987 16

COGSWELL STREET, North sidewalk between Brunswick Street and Gottingen Street,

H. M. War Department.....	{	75	60.83	50	07	57	38 09	.....	303 57	151 79
		50	510 53	45	07	52	265 48			
			577.36				\$303 57			



GOTTINGEN STREET, East Sidewalk between Cogswell Street and Prince William Street.

	H. M. War Department .....	{ 75 5.59	50 07 57	3 19 }				
		50 520.46	45 07 52	270 64 }	....	....	273 83	136 92
3	Alexander Anderson .....	50 45.78	45 07 52	23 81	....	....	23 81	11 91
5	Thomas Evans .....	{ 50 25 50	45 07 52	13 26 }				
		75 10 70	50 07 57	6 10 }	....	....	19 36	9 68
7	Aaron Sinfield .....	50 29.90	45 07 52	15 55	....	....	15 55	7 78
9	John and Archibald McFatrige .....	50 46.20	45 07 52	24 02	....	....	24 02	12 01
49 53	Michael Conroy .....	50 83 04	45 07 52	43 18	9 33		52 51	26 26
55-7	Thomas Hemsworth .....	50 26.55	45 07 52	13 81	....	....	13 81	6 91
		{ 75 11.15	50 07 57	6 36 }				
59	Charles J. Kirby .....	50 26.35	45 07 52	13 70 }	....	....	20 06	10 03
61-3	Mrs. E. E. Cullen .....	50 44 47	45 07 52	23 12	....	....	23 12	11 56
65-7	John A. Hancock .....	50 54.18	45 07 52	28 17	....	....	28 17	14 09
69	Heirs of J. Murphy, W. J. G. Thomson, Agent	50 32.96	45 07 52	17 14	....	....	17 14	8 57
91-91½	John W. Austen .....	50 55.31	45 07 52	28 76	....	....	28 76	14 38
93 5	Thomas Hemsworth .....	50 34.44	45 07 52	17 91	2 69		20 60	10 30
97-9	Irwin & Sons .....	50 35.54	45 07 52	18 48	2 69		21 17	10 59
101-101½	Francis F. Coolen, Edward G. Coolen .....	50 19.18	45 07 52	9 97	10 51		20 48	10 24
		{ 75 12.48	50 07 57	7 11 }				
103	Carl Palm .....	50 26.08	45 07 52	13 56 }	....	....	20 67	10 34
103½-105	Wm J. Nisbet .....	50 47.06	45 07 52	24 47	6 38		30 85	15 43
107	George J. Kline .....	50 53 24	45 07 52	27 68	....	....	27 68	13 84
			1246 16		\$ 649 99	\$31 60	\$681 59	340 84

Asphalt Sidewalks.—Continued.

Number.	PROPERTY OWNER.	Per centage of Asphalt.			Cost of laying Asphalt in front of property.	Cost of grading, re-setting, narrowing and filling up hatches, coal hoists, etc.	Total cost of Sidewalk in front of property.	Amount to be charged against the property owner, one half cost.	
		Area of Asphalt Sidewalk in front of property in square yards.	Asphalt.	Grading.					Cost of Asphalt Sidewalk per square yd.
GOTTINGEN STREET, West Sidewalk between Cornwallis Street and Cunard Street.									
62.4	Catherine Cook	50	30 12	45	07 52	15 66	15 66	7 83	
66.72	McPherson & Freeman	50	80.38	45	07 52	41 80	41 80	20 90	
74	Richard King	50	22.11	45	07 52	11 50	14 06	7 03	
		75	4.49	50	07 57	2 56			
74 1/2-76	People's Bank	75	4 49	50	07 57	2 56	14 11	7 06	
		50	22.21	45	07 52	11 55			
78-80	W. C. Smith, et. al	50	48 50	45	07 52	25 22	25 22	12 61	
82.4	G. C. Hartlen	50	64.68	45	07 52	33 63	38 94	19 47	
		75	7.57	50	07 57	5 31			
86.8	Mrs. Elizabeth D. Dow	50	26 45	45	07 52	13 75	19 88	9 94	
		75	10.75	50	07 57	6 13			
90.2-4	Mrs. C. M. B. Manley	50	35 20	45	07 52	18 30	31 06	15 53	
		75	8 84	50	07 57	5 04			
96 8	John McIntyre	50	44.03	45	07 52	22 90	27 73	13 87	
		75	8 48	50	07 57	4 83			
102.8	Gregori Verdi	50	69.22	45	07 52	35 99	44 36	22 18	
		487 52				\$256 73	\$16 09	\$272 82	136 42

SALTER STREET, South Sidewalk between Hollis Street and Pleasant Street.

	Nova Scotia Telephone Co .....	{ 75 26 98	50 13 63	17 00	.....	96 90	48 45
		{ 50 137.76	45 13 58	79 90	.....		
28-30	G. B. Ternan, et. el. ....	{ 50 59.60	45 13 58	34 57	.....	45 95	22 98
32-4	Dev. John Lithgow .....	{ 75 18.07	50 13 63	11 38	11 76	63 80	31 90
		{ 50 89.72	45 13 58	52 04			
		332 13		\$194 89	\$11 76	\$206 65	103 33

PRINCE STREET, North Sidewalk between Granville Street and Barrington Street.

9	Miss E. A. Kearney.....	50 27 87	45 25 70	19 51	6 06	25 57	12 79
9½-11	Thomas Ritchie and J. Y. Payzant, Trustees for Mather Estate.....	50 29.80	45 25 70	20 86	3 31	24 17	12 09
13-15	Thomas Ritchie.....	50 15 97	45 25 70	11 18	17 13	28 31	14 16
	W. H. Drake.....	50 42 96	45 25 70	30 07	4 76	34 83	17 42
		116.60		\$ 81 62	\$ 31 26	\$112 88	56 46

WATER STREET West Sidewalk between Fawson Street and Morris Street.

	Dev. John Roue.....	50 51 58	45 19 64	33 01	.....	33 01	16 51
10	John Sutherland .....	{ 75 9.13	50 19 69	6 33	.....	18 84	9 42
		{ 50 19 55	45 19 64	12 51	.....		
10½	Charles Sutherland.....	50 15.91	45 19 64	10 18	.....	10 18	5 09
12	A. G. Jones and H. T. Jones, Trustees.....	{ 75 9.86	50 19 69	6 80	.....	18 20	9 10
		{ 50 17 81	45 19 64	11 40	.....		
14	Miss Kate F Hill, Mrs. Augustus Allison, Mrs. Robie McLatchy and heirs of Mrs. J. M. Metzler .....	{ 75 9.55	50 19 69	6 59	.....	21 08	10 54
		{ 50 22.64	45 19 64	14 49	.....		
16	Wm. Stairs, Son & Morrow.....	{ 75 7.12	50 19 69	4 91	.....	15 07	7 54
		{ 50 15.87	45 19 64	10 16	.....	37 33	18 67
	Mrs. H. P. Peart.....	50 58 33	45 19 64	37 33	.....	37 33	18 67
		237.40		\$ 153 71	.....	\$153 71	76 87

Asphalt Sidewalks.—Continued.

Number.	PROPERTY OWNER.	Per centage of Asphalt.	Area of Asphalt Sidewalk in front of property in square yards.	Cost of Asphalt Sidewalk per square yd.			Cost of laying Asphalt in front of property.	Cost of grading, re-setting, narrowing and filling up hatches, coal holes, etc.	Total cost of Sidewalk in front of property.	Amount to be charged against the property owner, one half cost.
				Asphalt.	Grading.	Total.				
PLEASANT STREET West Sidewalk between South Street and Morris Street.										
	H. H. Fuller.....	50	78.80	45	26	71	55 95	.....	55 95	27 98
158	Mrs. A. Cabot .....	75	21 02	50	26	76	15 98	.....	40 01	£0 01
160-2	Hon. C. J. Townsend .....	50	33.85	45	26	71	24 03	.....	59 71	29 86
164-172	Halifax Ladies College, R. Laing, President....	50	84.10	45	26	71	59 71	.....	59 71	29 86
		50	104.00	45	26	71	73 84	.....	85 47	42 74
174	Misses S. & J. Romans .....	75	15.30	50	26	76	11 63	.....	90 88	45 44
		50	109.16	45	26	71	77 50	.....	90 88	45 44
176	Mrs. Margaret Harrison .....	75	17.60	50	26	76	13 38	.....	55 02	27 51
		50	66.00	45	26	71	46 86	.....	65 97	32 99
178-178½	Mrs. C. E. Smith.....	75	10 77	50	26	76	8 16	.....	65 97	32 99
		50	92 91	45	26	71	65 97	.....	633 48	\$453 01
			633.48				\$453 01	.....	\$453 01	226 58

ST. PAUL'S STREET, North Sidewalk.

ARGYLE STREET, East Sidewalk between St. Paul's Street and City Hall.

City of Halifax.....	50	552 00	45	15	60	\$ 331 20	.....	331 20	.....
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GRAFTON STREET, West Sidewalk between Spring Garden Road and Blowers Street.

City of Halifax .....	50	278.70	45	29	74	206 24	....	....	206 24	.....
Trustees Grafton Street Methodist Church . . . .	50	161.06	45	29	74	119 18	....	....	119 18	59 59
		439 76				\$325 42	....	....	\$325 42	.....

WATER STREET, East Sidewalk between Fawson Street and Morris Street.

H. M. War Department .....	{ 75	8.24	50	19	69	5 75 }	....	....	44 78	22 37
	{ 50	60.91	45	19	64	38 98 }				
1-8 Mrs. Kate Rudolf .....	{ 50	32.88	45	19	64	21 04 }	....	....	26 82	13 41
	{ 75	8 38	50	19	69	5 78 }				
5-7 Dev. W. B. Fairbanks.....	{ 75	30 13	50	19	69	20 79 }	....	....	47 99	24 00
	{ 50	42 50	45	19	64	27 20 }				
Halifax Electric Tramway Co.....	{ 75	20.47	50	19	69	14 12 }	....	....	35 18	17 59
	{ 50	32 91	45	19	64	21 06 }				
17-21 Alexander Grant .....	{ 50	69 28	45	19	64	44 34 }	....	....	44 34	22 17
		306.69				\$199 06	....	....	\$199 06	99 54

I certify the foregoing statement to be correct,

F. W. W. DOANE,

*City Engineer.*

City Engineer's Office, March 19th., 1898.

## Details of Cost of Asphalt Sidewalks.

*BRUNSWICK STREET, East side, between Jacob Street and Artz Lane.*

*Resetting Curb and laying Granite Gutters.*

*EDWARD MEAGHER, Foreman.*

Labor and cartage.	Pay roll, Sept. 14, 1896.....	\$240 91
" "	" " 28.....	196 99
" "	" Oct. 12.....	71 65
" "	" " 26.....	58 25
" "	" Nov. 9.....	115 76
" "	" " 23.....	129 45
" "	" Dec. 7.....	24 48
		————— \$837 49

*JAMES DOWNEY, Foreman.*

Labor and cartage.	Pay roll, Sept 14, 1896.....	\$171 21
" "	" " 28.....	299 00
" "	" Oct. 12.....	305 18
" "	" " 26.....	252 67
		————— \$1028 06

### Materials.

Cement 6 bushels at 90c.....	\$ 5 40
Sand 14 " at 5c.....	70
Gravel 6 " at 5c.....	30
Crushed stone 8149 bushels at 4c.....	325 96
18 in. Granite gutters (from Kline) 3048 ft. 8 in. at 46c.....	1402 39
18 " Corner " " " 158 " 8 " at 68c.....	107 89
	————— 1842 64
3207 feet of Curb relaid.....	\$3709 19
Cost for labor and cartage 58 cents per ft	

*Grading Sidewalk.*

*WILLIAM BURLEY, Foreman.*

Labor and cartage.	Pay roll Oct. 26, 1896.....	\$76 48
" "	" Nov. 9, ".....	62 50
" "	" " 23, ".....	49 33
" "	" Dec. 7, ".....	1 13
		————— \$ 189 44

3589.51 square yards at 5c

*Grading at St. Patrick's Chapel.*

Labor and cartage. Pay roll Nov. 23, 1896.....\$ 40 18  
 226.95 square yards at 18c.

*Grading, Resetting, Narrowing, etc., Hatches and Coal Holes.**183 Brunswick Street.**Resetting 2 Hatches, September 29th, 1896.*

To 9 hours Mason at 30c.....	\$2 70
" 9 " Labor at 12½c.....	1 12
" 1 bushel of Cement at \$1 00.....	1 00
" 2 bushels of Sand at 7c.....	14
	\$ 4 96

*191 Brunswick Street.**Resetting 2 Coal Holes, September 30th, 1896.*

To 15 hours Mason at 30c.....	\$4 50
" 15 " Labor at 12½c.....	1 87
" 2 bushels of Cement at \$1.00.....	2 00
" 4 " of Sand at 7c.....	28
" 2 Cast iron coal hole Tops and Covers.....	8 00
	\$ 16 65

*193 Brunswick Street.**Resetting Hatch, September 30th, 1896.*

To 10 hours Mason at 30c.....	\$3 00
" 10 " Labor at 12½c.....	1 25
" 1½ bushels of Cement at \$1 00.....	1 50
" 3 " of Sand at 7c.....	21
	\$ 5 96

*195 Brunswick Street.**Resetting Hatch, October 1st, 1896.*

To 6 hours Mason at 30c.....	\$1 80
" 6 " Labor at 12½c.....	75
" 1 bushel of Cement at \$1.00.....	1 00
" 2 " of Sand at 7c.....	14
	\$ 3 69

*197 Brunswick Street.**Resetting 2 Coal Holes, October 2nd, 1896.*

To 10 hours Mason at 30c.....	\$3 00
" 10 " Labor at 12½c.....	1 25
" 1½ bushels of Cement at \$1 00.....	1 50
" 3 " of Sand at 7c.....	21
" 2 Cast iron Coal Hole Tops and Covers.....	8 00
	\$ 13 96

## 199 Brunswick Street.

## Resetting Hatch, October 3rd, 1896.

To 5 hours Mason at 30c.....	\$1 50	
" 5 " Labor at 12½c.....	62	
" 1 bushel of Cement at \$1 00.....	1 00	
" 2 " of Sand at 7c.....	14	
	<u>          </u>	\$ 3 26

## 201 Brunswick Street.

## Resetting Coal Hole, October 3rd, 1896.

To 7 hours Mason at 20c.....	\$ 2 10	
" 7 " Labor at 12½c.....	0 87	
" 1 bushel of Cement at 1.00.....	1 00	
" 2 " Sand at 7c.....	0 14	
" 1 Cast iron coal hole top and cover.....	4 00	
	<u>          </u>	\$8 11

## 205 Brunswick Street.

## Resetting Hatch, October 4th, 1896.

To 17 hours Mason at 30c.....	\$ 5 10	
" 17 " Labor at 12½c.....	2 12	
" 3 bushels of Cement at 1 00.....	3 00	
" 6 " Sand at 7c.....	0 42	
	<u>          </u>	\$10 64

## 205 Brunswick Street.

## Resetting Coal Hole, October 6th, 1896.

To 7 hours Mason at 30c.....	\$ 2 10	
" 7 " Labor at 12½c.....	0 87	
" 1 bushel of Cement at 1.00.....	1 00	
" 2 " Sand at 7c.....	0 14	
" 1 Cast iron coal hole top and cover.....	4 00	
	<u>          </u>	\$8 11

## 207 Brunswick Street.

## Resetting 2 Hatches and supplying stone, October 7th, 1896.

To 16 hours Mason at 30c.....	\$ 4 80	
" 16 " Labor at 12½c.....	2 00	
" 3 bushels of Cement at 1.00.....	3 00	
" 6 " Sand at 7c.....	0 42	
" 12 feet Granite Hatch Curbing at 75c.....	9 00	
	<u>          </u>	\$19 22



## 211 Brunswick Street.

## Resetting Hatch, October 9th, 1896.

To 7 hours Mason a'30c .....	\$ 2 10
" 7 " Labor at 12 $\frac{1}{2}$ c .....	0 87
" 1 bushel of Cement at 1.00 .....	1 00
" 2 " Sand at 7c .....	0 14
	<hr/>
	\$ 4 11

213 $\frac{1}{2}$  Brunswick Street.

## Resetting Coal Hole, October 10th, 1896.

To 7 hours Mason at 30c .....	\$ 2 10
" 7 " Labor at 12 $\frac{1}{2}$ c .....	0 87
" 1 bushel of Cement at 1.00 .....	1 00
" 2 " Sand at 7c .....	0 14
" 1 Cast iron coal hole top and cover.....	4 00
	<hr/>
	\$ 8 11

## 217 Brunswick Street.

## Resetting Coal Hole, October 12th, 1896.

To 8 hours Mason at 30c.....	\$ 2 40
" 8 " Labor at 12 $\frac{1}{2}$ c .....	1 00
" 1 bushel of Cement at 1 00 .....	1 00
" 2 " Sand at 7c .....	0 14
" 1 Cast iron coal hole top and cover .....	4 00
	<hr/>
	\$ 8 54

## 257 Brunswick Street.

## Resetting Hatch and supplying stone, October 14th, 1896.

To 10 hours Mason at 30c .....	\$ 3 00
" 10 " Labor at 12 $\frac{1}{2}$ c.....	1 25
" 1 $\frac{1}{2}$ bushels of Cement at 1.00 .....	1 50
" 3 " Sand at 7c .....	0 21
" 6ft 4in Granite Hatch curb at 75c .....	4 75
	<hr/>
	\$10 71

## 263 Brunswick Street.

*Resetting Coal Hole, October 15th. 1896.*

To 4 hours Mason at 30c .....	\$ 1 20	
" 4 " Labor at 12½c .....	0 50	
" ½ bushel of Cement at 1.00 .....	0 50	
" 1 " Sand at 7c .....	0 07	
	<u>          </u>	\$ 2 27

## 269 Brunswick Street.

*Resetting Coal Hole, October 15th. 1896.*

To 4 hours Mason at 30c .....	\$ 1 20	
" 4 " Labor at 12½c .....	0 50	
" 1 bushel of Cement at 1.00 .....	1 00	
" 2 " Sand at 7c .....	0 14	
	<u>          </u>	\$ 2 84

## 271 Brunswick Street.

*Resetting Coal Hole, October 16th. 1896.*

To 3 hours Mason at 30c .....	\$ 0 90	
" 3 " Labor at 12½c .....	0 37	
" ½ bushel of Cement at 1.00 .....	0 50	
" 1 " Sand at 7c .....	0 07	
" 1 Cast iron Coal Hole Top and Cover .....	4 00	
	<u>          </u>	\$ 5 84

## 347 Brunswick Street,

*Resetting Hatch and supplying stone, October 16th. 1896.*

To 6 hours Mason at 30c .....	\$ 1 80	
" 6 " Labor at 12½c .....	0 75	
" 1 bushel of Cement at 1.00 .....	1 00	
" 2 " Sand at 7c .....	0 14	
" 12 feet Granite Hatch Curb at 75c .....	9 00	
	<u>          </u>	\$ 12 69

## 357 Brunswick Street.

*Resetting Hatch, October 22nd, 1896.*

To 7 hours Mason at 30c .....	\$ 2 10	
" 7 " Labor at 12½c .....	0 87	
" 1½ bushels of Cement at 1.00 .....	1 50	
" 3 " Sand at 7c .....	0 21	
	<u>          </u>	\$ 4 68

## 385 Brunswick Street.

## Resetting Coal Hole, October 29th, 1896

To 5 hours Mason at 30c .....	\$1 50	
“ 5 “ Labor at 12½c .....	0 62	
“ 1 bushel of Cement at 1.00 .....	1 00	
“ 2 “ Sand at 7c .....	0 14	
		\$ 3 26

## 387 Brunswick Street.

## Resetting Coal Hole, October 29th, 1896.

To 5 hours Mason at 30c .....	\$ 1 50	
“ 5 “ Labor at 12½c .....	0 62	
“ 1 bushel of Cement at 1 00 .....	1 00	
“ 2 “ Sand at 7c .....	0 14	
		\$ 3 26

## GOTTINGEN STREET, East side, from Cornwallis Street to Prince William Street.

## Resetting Curb and laying Granite Gutters.

## WM BURLEY, Foreman

Labor and Cartage. Pay roll, July 20th., 1896 .....	\$ 140 37	
“ “ “ Aug. 3rd., “ .....	156 74	
“ “ “ “ 31st., “ .....	8 00	
		\$ 305 11
Crushed stone, 1512 bushels at 4c .....	60 48	
“ “ screenings 1050 bushels at 4c .....	42 00	
Sand, 28 bushels at 5c .....	1 40	
Cement, 3 bushels at 90c .....	2 70	
18in Granite Gutters (yard) 557 ft at 46c .....	256 22	
“ Corner “ (Kline) 18 ft at 68c .....	12 24	
		375 04
		\$680 15

575 ft at 53 cents for labor and cartage.

## Grading Sidewalks East and West sides of Gottingen Street and North side

## Cogswell Street.

Labor and Cartage. Pay roll, June 22nd., 1896 .....	\$ 142 41	
“ “ “ Oct. 12th., “ .....	6 13	
“ “ “ “ 26th., “ .....	7 33	
		\$ 155 87

No. square yards 2311-04.

Cost per square yard 07

*Grading, Resetting, Narrowing, Etc, Hatches and Coal Holes,**Nos. 90-2-4 Gottingen Street.**Resetting Hatch and Supplying Stone July 27th. 1896.*

To 8 hours Mrson at 30c .....	\$ 2 40	
" 8 " Labor at 12½c .....	1 00	
" ½ bushel of Cement at 1.00 .....	0 50	
" 1 " Sand at 7c .....	0 07	
" 5ft Granite Hatch Curb at 75c .....	3 75	
	<u>          </u>	\$ 7 72

*No. 102 8 Gottingen Street.**Resetting Hatch and Supplying Stone, July 24th. 1896.*

To 6 hours Mason at 30c .....	\$ 1 80	
" 6 " Labor at 12½c .....	0 75	
½ bushel of Cement at 1.00 .....	0 50	
" " Sand at 7c .....	0 07	
7 ft Granite Hatch Curb at 75c .....	5 25	
	<u>          </u>	\$ 8 37

*No. 51 Gottingen Street.**Resetting Hatch and Supplying Stone, August 12th. 1896.*

To 5 hours Mason at 30c .....	\$ 1 50	
" 5 " Labor at 12½c .....	0 62	
" 1 bushel of Cement at 1.00 .....	1 00	
" 3 " Sand at 7c .....	0 21	
" 8 ft Granite Hatch Curb at 75c .....	6 00	
	<u>          </u>	\$ 9 33

*95 Gottingen Street.**Resetting Hatch, August 12th. 1896.*

To 5 hours Mason at 30c .....	\$ 1 50	
" 5 " Labor at 12½c .....	0 62	
" ½ bushel of Cement at 1.00 .....	0 50	
" 1 " Sand at 7c .....	0 07	
	<u>          </u>	\$ 2 69

*99 Gottingen Street.**Resetting Hatch, August 13th 1896.*

To 5 hours Mason at 30c .....	\$ 1 50	
" 5 " Labor at 12½c .....	0 62	
" ½ bushel of Cement at 1.00 .....	0 50	
" 1 " Sand at 7c .....	0 07	
	<u>          </u>	\$ 2 69

## 101½ Gottingen Street.

Resetting Hatch and Supplying Stone, August 13th. 1896.

To 5 hours Mason at 30c .....	\$ 1 50	
" 5 " Labor at 12½c .....	0 62	
" 1 bushel of Cement at 1.00 .....	1 00	
" 2 " Sand at 7c .....	0 14	
" 9 ft 8 in Granite Hatch Curb at 75c .....	7 25	
		\$ 10 51

## 103½ Gottingen Street.

Resetting Hatch, August 14th. 1896.

To 5 hours Mason at 30c .....	\$ 1 50	
" 5 " Labor at 12½c .....	0 62	
" ½ bushel of Cement at 1 00 .....	0 50	
" 1 " Sand at 7c .....	0 07	
		\$ 2 69

## 105 Gottingen Street.

Resetting Hatch, August 15th 1896.

To 6 hours Mason at 30c .....	\$ 1 80	
" 6 " Labor at 12½c .....	0 75	
" 1 bushel of Cement at 1.00 .....	1 00	
" 2 " Sand at 7c .....	0 14	
		\$ 3 69

## SALTER STREET, South side between Hollis Street and Barrington Street.

Laying Curb and Gutter.

JAMES DOWNEY, Foreman.

Labor and Cartage Pay roll, July 20th., 1896 .....	\$ 115 59	
Broken Stone (Association) 108 bushels at 7c .....	7 56	
Sand .....	6 do 5c .....	0 30
Cement .....	3 do 90c .....	2 70
Curb stone (Kline) 175 ft 8in at 64c .....	176 43	
18in Granite Gutters, 275ft 3in at 46c .....	126 61	
18in Corner " 20ft 3in at 68c .....	13 88	327 48
		\$443 07
276feet of Curb laid.		
Cost for labor and cartage 42 cents.		

## Grading Sidewalk.

Labor and Cartage. Pay roll July 20th., 1896 .....	\$ 50 12
377.73 square yards at 13c per yard.	