

CONSUMPTION AND REVENUE BY METER—(Continued).

NAME.	CLASS.	½	¾	1	1½	2	3	4	6	Indicators.	Total.	Gallons.	Revenue.
A. McFatrige	Laundry	1		1							2	453300	\$ 71 83
E. B. Sutcliffe	Office		1		1						1	351550	55 72
"	Elevator										1	15900	9 31
Lawn Tennis grounds			1								1	20720	7 07
St. Luke's Cathedral	Church						1				1	1088250	76 17
J. A. Leaman	Stable	1									1	65200	11 78
St. Ann's College	College			1							1	259450	22 06
Mrs. Duggan	Tenement	1									1	118100	19 72
I. C. R. Freight Shed	Ware'ise				1						1		
School Commissioners	Latrine			1							1	727100	59 39
Miss Nolan	Dwelling		1								1	119000	2 73
Jos. Hirtle	"	1									1	150000	2 26
H Bayers	"	1									1	8650	1 30
R. E. Gannon	Stable	1									1	16850	3 53
People's H. & L. Co	Gas Works								1		1	13226800	1180 41
Thomas Robinson	Stable	3									3	141800	24 77
Hon. D. McKeen	Dwelling					1					1	314650	47 20
Pine Hill College	College		1								1	234950	20 45
Infants' Home	Institute	1									1	1140000	11 49
Halifax Infirmary	Hospital	1									1	432169	31 25
Mrs. Parsons	Dwelling	1									1	36100	5 41
Home for the Aged	Institute	1									1	435650	32 49
La Salle Academy	College		1								1	27850	5 95
St. Paul's Alms House	Institute	1									1	54600	5 81
Protestant Orphanage	"		1								1	292450	10 89
Salvation Harbor	"	1									1	98450	10 89
Stewart Tremaine	Laundry	1	1								2	1316400	143 78
George Wright	Dwelling	1									1	94700	14 21
"	"	1									1	18050	2 71
L. Borden	"	1									1	9750	1 46
L. Hamilton	"	1									1	97450	14 61
J. Creighton	"	1									1	12050	1 81
W. H. Fulton	"	1									1	163900	24 59
School for Blind	Institute		2	1							3	850400	72 53
E. Gibson	Dwelling	1									1	33550	5 04
M. Johnson	"	1									1	20650	3 10
W. J. Hames	Barn	1									1	43600	8 54
E. Sutherland	Laundry			1							1	316400	51 61
Freeman Bros	Dwelling	1									1	75650	11 35
A. Hubley	"	1									1	25850	3 88
"	"	1									1	23150	3 48
"	"	1									1	36700	5 51
Henderson & Potts	Factory					2					2	928150	145 93
St. Joseph's Hall	Hall										1	3950	2 28

CONSUMPTION AND REVENUE BY METER.—(Continued).

NAME.	CLASS.	½	¾	1	1¼	1½	2	3	4	6	Indicators.	Total.	Gallons.	Revenue.
B. F. Pearson	Dwelling										1	64050	\$ 9 61	
J. Dixon	Factory	1									1	24250	5 64	
J. May	Brewery						1				1	1357750	187 39	
Furness, Withy Co.	Wharf							1			1	759856	117 72	
D. Armories	Drill Hall		2	2							4	934900	160 72	
J. G. Bennett	Fount					1					1			
W. H. Schwartz	Mill	1									1	135050	22 26	
A. Gunn & Co	Factory	1									1	108250	18 24	
Dillon Bros.	Elevator						1				1	671800	105 43	
Dom. Government	Grain Elev	1									1	186750	30 01	
Halifax Curling Club	Rink	1						1			2	22850	15 42	
A. Urquhart	Dwelling	1									1	53700	8 07	
H. S. Jacques	"	1									1	39300	5 89	
R. King	"	1									1	16050	2 26	
"	"	1									1	9800	1 48	
"	"	1									1	6100	0 92	
"	"	1									1	17700	2 65	
W. H. Cawsey	"	1									1	25500	5 32	
W. J. Kirby	"	1									1	28500	4 21	
J. M. DeWolfe	"	1									1	18550	2 79	
W. A. Heisler	"	1									1	59450	8 92	
J. Slaughenwhite	"	1									1	19950	2 99	
A. Vail	"	1									1	15600	2 34	
W. Boutillier	"	1									1	58500	8 78	
Wm McKinley	"	1									1	12000	1 81	
A. Pelton	"	1									1	13300	2 00	
F. Selig	"	1									1	12350	1 85	
A. M. Harivel	"	1									1	22300	3 34	
"	"	1									1	38400	5 76	
Jos. Allen	"	1									1	17450	2 62	
Jos. Haverstock	"	1									1			
H. L. Williston	Stable	1									1	13550	2 03	
W. E. Crowe	Dwelling	1									1	10400	1 56	
M. Keefe	"	1									1	6800	1 02	
S. Bonnell	"	1									1	18150	2 72	
A. Hubley	"	1									1	47900	7 20	
Jos. Whitman	"	1									1	23250	3 48	
Jas. Barrowman	"	1									1	22350	4 86	
W. H. Isnor	"	1									1	23250	3 49	
Jas. Foley	"	1									1	73450	11 32	
J. J. Donnelly	"	1									1	7900	1 19	
A. Sullivan	"	1									1	39000	5 86	
H. L. Wallace	"	1									1	84800	12 78	
T. Eden	"	1									1	97500	14 64	

CONSUMPTION AND REVENUE BY METER.—(Continued.)

NAME.	CLASS.	½	¾	1	1¼	1½	2	3	4	6	Indicators.	Total.	Gallons.	Revenue.
M. D. Logan	Dwelling	1										1	34650	\$ 5 20
Capt. Rood	"	1										1	37150	5 57
H. L. Wallace	"	1										1	119150	17 87
W. B. Freeman	"	1										1	43450	6 37
W. H. Cawsey	"	1										1	23050	3 46
H. R. Silver	"	1										1	50740	6 81
Wm. Francis	"	1										1	32150	4 83
C. A. Baker	"	1										1	7200	1 08
R. H. Horton	"	1										1	35800	5 37
W. Delaney	"	1										1	13150	1 97
Lawson, Est.	Wharf						1					1	3992400	424 35
Murdochs' Nephews	Hotel	1										1	1025200	138 32
G. Verdi	Dwelling	1										1	21200	3 19
Thomas Williamson	"	1										1	24100	3 61
I. C. R. Cattle Shed	Depot							1				1	8250	11 24
A. McCaughin	Dwelling	1										1	26050	3 01
Geo. Tanner	"	1										1	18400	2 76
J. Butler	"	1										1	8400	1 24
Wm. Kennedy	"	1										1	19000	2 85
Mrs. Davey	"	1										1	10600	1 59
J. Phalen	"	1										1	4100	0 62
M. Muldowney	"	1										1	4200	0 64
Wm. Connolly	"	1										1	7100	1 06
W. J. Cooke	"	1										1	5700	0 82
R. Dunsworth	"	1										1	115700	1 19
Jas. Baker	"	1										1	6400	0 96
S. Brown	"	1										1	13300	2 00
Jas. Hutt	"	1										1	15800	2 37
J. P. Kelly	"	1										1	1650	0 25
S. Grant	"	1										1	14000	2 26
F. S. Goudge	"	1										1	7800	1 17
Freeman Bros	"	1										1	15450	2 32
G. L. Murray	"	1										1	32550	4 89
H. McC. Hart	"	1										1		
M. Dwyer	"	1										1	204300	30 65
Jas. Kelly	"	1										1	10750	1 65
M. Morrison	"	1										1	11950	1 80
Wm. Robinson	"	1										1	6800	1 02
Carroll & Co	Stable	1										1	47200	9 08
Phalen & Son	Wharf							1				1		
A. & W. Smith	Factory		1									1		
City Engineer	Dwelling	1										1		
I. C. R. Yard	Depot									1		1		
H. C. Tully	Barn	1										1		

STREET FOREMAN'S REPORT.

CITY HALL, HALIFAX, MAY 1ST, 1901.

F. W. W. DOANE, ESQ.,

City Engineer.

DEAR SIR,—I beg to submit herewith statements showing the work performed and material used in 1900-01.

Respectfully submitted.

JOHN McDONALD,

Foreman of Streets and Sewers.

Concrete Catchpits Constructed in 1900.

Side of Street.	STREET.	LOCATION.	FOREMAN.
N.	Artz Lane ...	Lockman	James Downie.
S.	Bishop	Hollis	"
E.	Letson's Lane ..	.....	Edw. Meagher.
W.	" .....	.....	"
W.	Grafton	Jacob	John McDonald
W.	Young Ave ...	Ogilvie	James Downie.
E.	Church	Harvey	John McDonald
N.	Kent	Pleasant	James Downie.
E.	Gottingen	Gerrish	C. McGillivray.
E.	"	Uniacke	"
W.	"	"	"
W.	Bedford Row ..	Prince	"
W.	Seymour	Between Coburg Road and Morris St	Edw. Meagher.
S.	Cornwallis ..	Brunswick	James Downie.
S.	"	Brunswick Court	"
W.	Barrington	Bell's Lane	"
S.	Allen	Windsor	"
E.	Hollis	Duke	"
W.	Windsor*	Chebucto Road	C. McGillivray.

*Brick Catchpit.

Total Cost of 18 New Catchpits, 1 New Top, and 1 Brick Pit, 1900.

MATERIAL.	@	Cost.	Pay Roll.	Labor.	Cartage.
338 ft 9 in. Crock	\$0 16	\$ 54 08	June 4	\$16 86	\$ 3 80
24 Tiles	0 03	0 72	" 18	29 41	6 60
57 bbls. Cement	2 60	148 20	July 2	28 41	9 60
286 bush. Sand	0 04	11 44	" 16	27 60	1 00
558 bush. gravel	0 04	23 52	" 31	22 31	1 00
5-9 in. Bends	0 78	3 90	Aug. 13	4 05	6 80
1-9 x 9 Y	1 00	1 00	" 27	31 71	8 00
1-9 in. Slant	0 58	0 58	Sept. 10	19 08	18 00
1300 Brick	0 85	11 05	" 24	17 65	1 80
56 bush. B. Stone Cr.	0 04	2 24	Oct. 22	44 11	2 40
132 " S. Y	0 04	5 28	Nov. 5	99 76	3 60
308 " Assoc	0 07	21 56	" 19	6 57	5 40
4 C. P. Curbs	6 00	24 00		41 46	3 60
14 C. P. Curbs	5 00	70 00		33 08	4 80
1 C. P. Curb	5 50	5 50		34 04	
19 C. P. Covers	2 10	39 90		6 40	
15 C. P. Grates	0 34	5 10		14 31	
90 bbls. Brush	0 15	13 50		56 27	
10 gallons Oil	0 20 $\frac{1}{4}$	2 05			
57 lbs. Dynamite	0 18	10 26		\$533 08	\$81 00
312 Electric fuse	0 02	6 24			
10 ft. Fuse		0 03			
Detonators		0 10			
		\$460 25			
				TOTAL COST.	
			Material	\$ 460 25	
			Labor	533 08	
			Cartage	81 00	
				\$1074 33	

Granite Curb and Gutter Laid, 1900.

STREET.	FROM.	To.	Corner or Side.	Straight Curb.	Circular Curb.	Straight Gutter.	Circular Gutter.	FOREMAN.	REMARKS.
Bishop	Hollis	Pleasant	S.	299' 0"	31' 6"	298' 4"	31' 6"	Downie.	Y.
Young Avenue ..	Inglis	Tennis Grounds ..	E.	308' 4"	15' 9"	310' 4"	15' 9"	"	269' 2" Y curb.
Pleasant	Kent		N. W.		14' 2"		14' 2"	"	39' 2" K "
"	Tobin		S. W.		15' 9"		15' 9"	"	2-0 S. Y. gutter.
"	South		S. W.		15' 10"		15' 10"	"	Y.
"	Tobin		N. W.		15' 9"		15' 9"	"	Y.
Windsor	Chebucto Road ..	Duncan	W.	14' 9"	96' 8"	140' 4"	96' 11"	McGillivray ..	Y.
George	Bedford Row ..	Hollis	N.			126' 5"	11' 10"	Downie	Y.
Windsor	Lawrence		N. W.		15' 9"		15' 9"	"	Y.
Cornwallis	Brunswick	Gottingen	S.	426' 7"	60' 9"	434' 9"	78' 5"	"	Y.
Barrington	Bell's Lane		W.		12' 9"	61' 8"	12' 9"	"	Y.

Granite Crossings Laid, 1900.

STREET.	AT.	LENGTH.	FOREMAN.	REMARKS.
Wright Avenue.....	South end	18' 11"	Downie.....	Single.
Gerrish	East side Lockman	24' 2"	"	"
"	West "	31' 8"	"	"
Gray's Lane.....	East "	16' 7"	"	"
Cornwallis	"	24' 1"	"	"
Maynard	North side Falkland	33' 2"	"	"
Lockman	" Cornwallis	29' 0"	McDonald	Double.
"	" Gerrish	29' 0"	"	Single
"	South side "	29' 0"	"	"
Queen	West side Doyle	35' 5"	Meagher	"
Brunswick Court	South side Cornwallis	21' 0"	Downie.....	"
William	East side Agricola	36' 0"	"	"
Maynard	South side West	23' 2"	"	"
South Park	North side Inglis	95' 5"	"	Double.
Lucknow Terrace	" Victoria Rd.	38' 5"	"	"

Streets Macadamized, 1900.

STREET.	FROM.	TO.	REMARKS.	Material.	Labor.	Cartage.	TOTAL.
Pleasant	Distillery ...	South	Broken stone, Assoc	\$ 91 14	\$33 66	\$ 36 20	\$161 00
Morris	Water	Hollis	" "	61 74	22 83	27 20	111 77
Hollis	Morris	Bishop	" "	21 28	8 03	7 20	36 51
Buckingham	Barrington ..	Argyle	" "	42 14	11 03	18 00	71 17
Water	North	Railway Bridge ..	" City Prison.	108 29	53 90	126 00	288 19
Brunswick	Duke	George	" Assoc	124 46	18 32	51 20	193 98
Jacob	Water	Brunswick	" "	146 02	29 07	55 80	230 89
Inglis	Pleasant	South Park	" "	296 94	66 27	101 00	464 21
Cogswell	Brunswick ..	Gottingen	" City Prison.	45 57	9 95	90 00	225 52 sidewalk included.
Bishop	Hollis	Pleasant	" Assoc	27 44	19 87	20 00	67 31
Agricola	William	Charles	" Crusher	62 72	18 14	43 40	126 26
S. Garden Road..	Pleasant	Tower Road	" Assoc	266 56	45 01	86 20	397 77
Creighton	Falkland	Cornwallis	" "	35 28	35 58	25 20	96 06
Brunswick	Jacob	Cogswell	" "	17 64	4 49	8 00	30 13

1911
1912
1913
1914

1915
1916
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1918

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1920
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1923
1924
1925
1926
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1928
1929
1930

SEWERS CONSTRUCTED IN 1900.

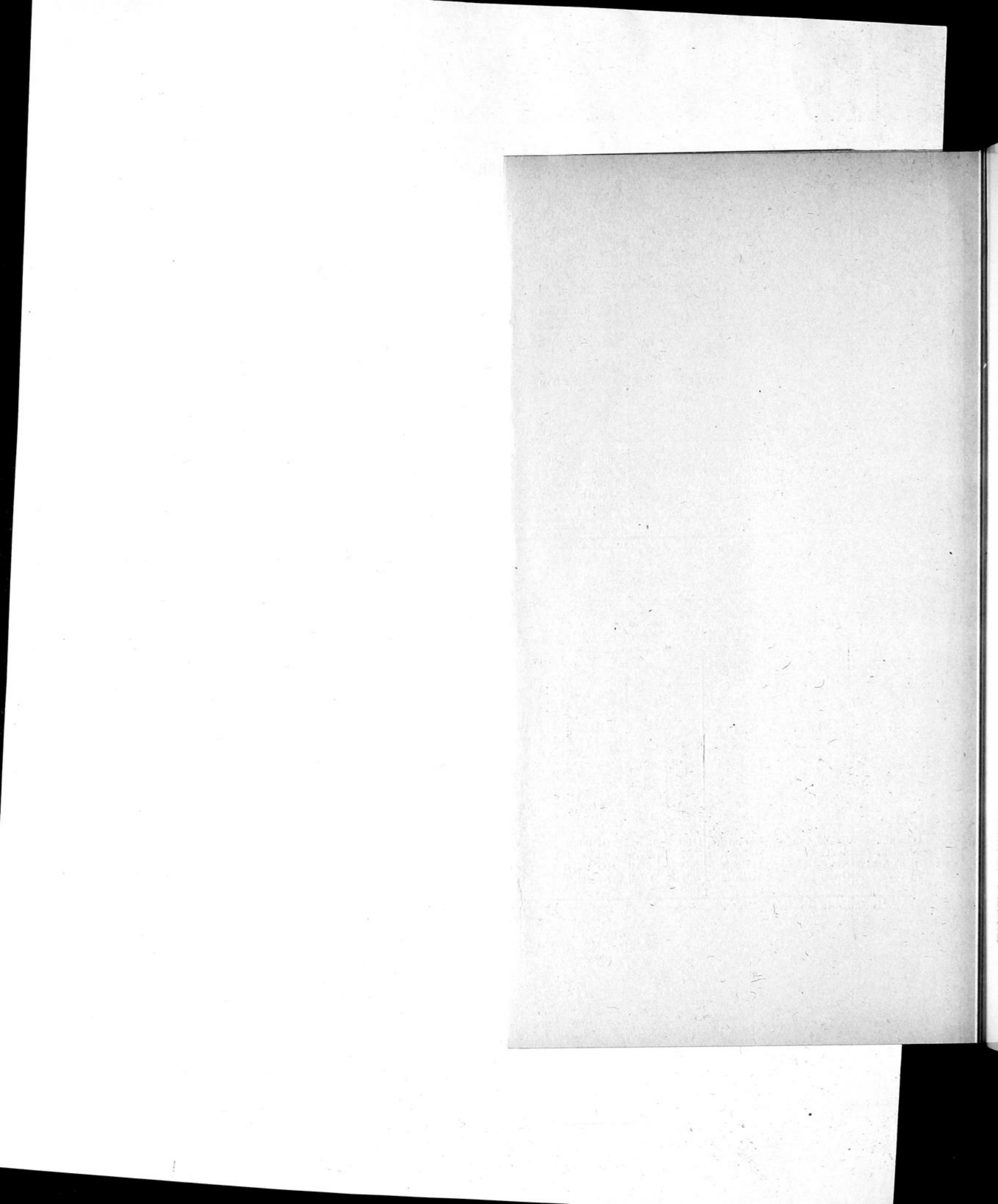
STREET.	LOCATION.		Size in Inches.	Material.	Length in Feet.	Manholes.	Drain Connections.	Catch Pits.	Average depth in Feet.	Average depth of Soil in Feet.	COST OF WORK.			COST PER LINEAL FOOT.			Sewerage rates at \$1.25 per lineal foot frontage.	FOREMAN.	
	FROM	To									Labour and Truckage.	Material.	Total.	Labour and Truckage.	Material.	Total.			
Duncan	Chebucto Lane	Harvard	12 x 18	Concrete	1100	4	8				\$4255 37	\$1047 87	\$5303 24	3 87	.95	4 82	\$2521 26	C. MacGillivray.	
Seymour	South	Morris	12 x 18	"	557	1	4				1136 87	405 63	1542 50	2 04	.72	2 76	1183 35	"	
Bloomfield	Kempton Road	Agricola	12 x 18	"	368 8	1	6				945 34	293 69	1239 03	2 56	.79	3 35	811 25	"	
Plover	Atlantic	Manhole Southerly	36"	"	277 5	1	4												"
"	Owen	"	48"	"	660 7	1	1				3751 75	2786 53	6538 28	3 99	2 97	6 96	2139 37	"	
Totals					2964	8	22				\$10089 33	\$4533 72	\$14623 05	3 40	1 52	4 93	\$6655 23		

DETAILED COST OF MATERIALS USED IN SEWERS CONSTRUCTED DURING 1900.

LOCATION.			CONCRETE.			MANHOLES.			DYNAMITE.		ELECTRIC FUSE.		BRICKS.		CEMENT.			SAND.		KEROSENE OIL.		COAL.		BRUSH.		TALLOW.		CROCK PIPE.			Lumber and Tools.	Total Material.									
Street.	From	To	Length in feet.	Cost per foot.	Cost.	Covers.		Granite tops.		Steps.		No. of lbs. at 16 cents.	No. of lbs. at 22½ cents.	Cost.	No. at 2½ cents each.	No. at 2 cents each.	Cost.	No. of bbls. at \$2.60 per barrel.	No. of bbls. at \$2.15 per barrel.	Cost.	No. of bushels at 5 cents per bushel.	No. of bushels at 4 cents per bushel.	Cost.	No. of gallons at 18½ cents per gallon.	No. of gallons at 20½ cents per gallon.	Cost.	No. of bushels at 20 cents per bushel.	Cost.	No. of bundles at 15 cents.	Cost.			No. of lbs. at 10 cents per lb.	Cost.	No. at 16 cents each.	Cost.	Slants.		Straight Pipe.		
						No. at \$1.75 each.	No. at \$2.80 each.	No. at \$6.00 each.	No. at \$7.00 each.	No. at 9 cents each.	No. at 14 cents each.																										No. of lineal feet at 42 cents per foot.	No. of lineal feet at 47 cents per foot.			
Duncan	Chebucto Lane	Harvard	1100	\$ 54	\$594 00	4		4	\$7 00	16	\$1 44	1060	\$238 50	2150	\$53 75	7125	\$60 57	21½	\$ 46 23	141	\$ 7 05	16½	\$3 05	35	\$ 7 00	*						8	\$1 28				\$1047 87				
Seymour	South	Morris	557	54	300 78	1		1	1 75	4	36	180	40 50	450	11 05	1600	13 60	8	17 20	45	2 25	7	1 30	24	4 80	*					4	64 10			405 63						
Bloomfield	Kempton Road	Agricola	368 8	54	199 15	1		1	2 80	1	6 00	28	44 10	550	11 00	1300	11 50	6	15 60		56	2 24	2½	51		*					6	96			293 69						
Plover	Owen	Atlantic	277 5	1 95	2159 84	2		2	5 60	2	12 00	8	1 12	225	850	237 15	850	350	28 25	3700	31 45	35	21	136 15		311	12 44	1	21	177	35 40	300	\$45 00	15	\$1 50	4	64	6	2 82	\$85 00	2786 53

*Included in labour.





Stock Report, Dec. 31st., 1900.

SEWERAGE, PERMANENT PAVEMENT, STREETS, Etc.

TOOLS, ETC.	NUMBER.	REMARKS.
Tool Boxes (Wooden)	5	
“ (Sheet Iron)	3	
Padlocks and Keys	8	
Picks	152	
“ (Gutter)	22	
Shovels	120	
“ Short Handle	8	
“ Scoops	8	
“ Snow	1	
“ Coal	16	
Crow Bars	25	
Pinch Bars	16	
Gads	18	
Steels from 2 to 7 feet	148	
Sledge Hammers	14	
Striking “	69	
Paving “	5	
Napping “	23	
Wall “	9	
Scrapers	26	
Guns	14	
Reels and Lines	10	
Hand Drills	6	
Points	20	
Chisels	10	
Plugs and Feathers (Sets)	10	
Riddles	4	
Rakes (Garden)	6	
Axes (Chopping)	2	
Plastering Trowels	2	
Buckets (Wooden)	15	
“ (Iron)	3	
Pounders (Cast Iron)	10	
“ (Curb)	11	
“ (Paving)	5	
Saws	4	
Lanterns	8	
Spirit Levels	3	
Torches	6	
Lantern Globes (Ruby)	120	
“ (White)	8	
Wheelbarrows	5	
Bass Brooms (dcz)	5½	
Templates	15	
Tube Brushes	8	
Hydrant Wrenches	7	

STOCK REPORT.—(Continued).

TOOLS, ETC.	NUMBER.	REMARKS.
Sewer Rods, 1' 6" to 4 ft	50	
Sewer Scrapers	3	
Sand Screens	3	
Watering Cans	4	
Batteries	5	
Battery Wire, feet	100	
Concrete Perforators	2	
" Seamer	1	
Lining Rods (Sets)	3	
Cross Heads "	5	
Mortar Boards	5	
Rope (yards)	100	
Lawn Mowers	1	
Weed Trimmer	1	
Shears	1	
Pick Handles (doz.)	8	
Shovel " "	6	
Hammer " "	5	
Scoop " "	1	
Brass Taps for Hydrants	3	
Tar Pots	2	
Asphalt Pct	1	
Sand Heaters	2	
Asphalt Rollers	4	
Horse Roller	1	
Blasting Horns	4	
Straight Edges	20	
Spades	4	
Hard Pan Plough	1	
Ladders	2	
Rubber Hose (feet)	400	
Hatchets	1	
Tar Kettles	6	
Ladles	3	
Hoes	6	

STOCK REPORT.—(Continued).

GRANITE—NEW.	Number	Feet.	Inches.	REMARKS.
Curbing, straight		403	10	238' 1" Y., 165' 9" K.
“ circular		31	6	Y.
Gutters, 18", straight		388	4	216' 6" Y., 171' 10" K.
“ 18", circular		117	2	31' 6" Y., 85' 8" K.
“ 16", “		19	5	K.
Catch Pit Curbs, straight.	51	.....	.....	37 of 7 in. Y., 14 of 4½ in. K.
Man-hole Tops, square ...	65	.....	.....	46 of Y., 19 of K.
Boundary Stones	48	.....	.....	.....
GRANITE—OLD.				
Curbing, straight		70	.....	.....
“ circular		40	.....	.....
Gutters, straight		50	.....	.....
“ circular		30	.....	.....
Hatch Curb		35	.....	.....

STOCK REPORT.—(Continued.)

CROCK PIPE.	Number.	Feet.	Remarks.
Crock Pipe, straight, 4".....		162	2 feet long.
" " 6".....		680	2 and 3 feet long.
" " 9".....		164	2 and 3 feet "
" " 12".....		177	3 feet "
" " 15".....		488	2 and 3 feet "
" " 18".....			
" Slants, 6".....	220		
" " 9".....	176		
" Bends, 6".....	75		
" " 9".....	64		
" " 12".....	5		
" " 15".....	1		
" Traps, 6".....	74		
" " 9".....	18		
" T's, 6 x 6.....	17		3 feet long.
" Y's, 6 x 6.....	119		2 and 3 feet long.
" T's, 6 x 4.....	122		2 and 3 feet "
" Y's, 6 x 4.....	122		2 and 3 feet "
" T's, 4 x 4.....			
" Y's, 4 x 4.....	12		2 feet "
" T's, 9 x 6.....	22		3 feet "
" Y's, 9 x 6.....	68		2 and 3 feet "
" T's, 12 x 6.....			
" Y's, 12 x 6.....	10		2 feet "
" Y's, 9 x 9.....	8		3 feet "
" T's, 15 x 6.....			
" Y's, 15 x 6.....	14		2 feet "
Stoppers, 6".....	50		
Thimbles, 6".....	120		
Tiles, 3".....	4900		1' 2" long.

STOCK REPORT.—(Continued).

CONCRETE.	Number.	Remarks.
Sewer Blocks, 36 in.		
“ 48 in.		
“ 24 x 36.		
“ 20 x 30.		
“ 14 x 21.		
“ 12 x 18.		
“ 16 x 24.		
Curb, straight, 3' x 2.6"	33	
“ Catch Pit	2	
Steps	3	
Slabs, 33 x 33.	7	
“ 18 x 30.	29	
“ 18 x 18.	8	
“ 18 x 10 $\frac{3}{4}$	12	
“ 18 x 8 $\frac{1}{2}$	6	
Conductors	8	2' 6" long.
Thimbles, 6 in.	26	
“ 9 in.	14	
CASTINGS.		
Manhole Tops, square	3	
“ Covers, “	56	
“ “ Round	6	
“ Steps	125	
Coalhole Tops and Covers, round	51	
“ Covers, square	4	
“ Tops and Covers, square	1	
Ceiling Flame and Grating	5	
Catch Pit Covers	8	
“ Gratings	18	
Crossing Plates	0	
Grate Bars	9	

STOCK REPORT.—(Continued).

MISCELLANEOUS.	Number.	Remarks.
Brick (new)	5100	
“ (old)	10000	
Lumber, feet	1500	
Sand, bushels	1000	
“ fresh water, bushels	2000	
Gravel, bushels	2000	
Pebbles, “	1350	
Shelburne blocks	6767	
Porphyry “ tons	750	
Cobble Stones, “	2000	
Stone (Rubble) “	3000	
Granite (Rough) “	70	
Old Iron, “	2	
Coal, chaldron	1	
Kerosene Oil, gallons	20	
Cylinder Oil, “	5	
D. M. Engine Oil, gallons	15	
Dynamite, pounds	135	
Electric Fuse	450	
Detonators	100	
Tape Fuse, feet	100	
Cement, barrels	190	
Zinc, “	1	
Asphalt, “	34	10 barrels damaged.
Coal Tar, “	27	
Roofing Felt, 3 ply, rolls	14	

STOCK REPORT.—(Continued.)

IN WORKSHOPS AND SHEDS.	Number.	Remarks.
<i>Blacksmith's Shop.</i>		
Bellows	1	
Anvil	1	
Sledge, (Forge).....	1	
Hand Hammer.....	1	
Tank	1	
<i>Carpenter's Shop.</i>		
Pine, 2", feet.....	100	
" 1½", ".....	300	
" 1", ".....	100	
Spruce, 1", ".....	100	
" 2", ".....	75	
Nails, (kegs).....	3	
Foot Lathe.....	1	
Circular Saw.....	1	
<i>Shed.</i>		
Street Scrapers	2	
" Sweepers.....	2	
" Heaper	1	
Steam Roller.....	1	
Donkey Boiler.....	1	
Steam Drill and Gear	2	
Pumps	4	
" Edson Patent	2	
Snow Ploughs.....	3	
Dory Boat	1	
Shear Poles set.....	1	
Block and Tackle.....	1	
Old Stone Crusher.....	1	
Paper Carts	3	

APPENDIX.
 ———
 Contracts, 1900-01.
 ———
 WATER WORKS.

CONTRACTOR.	DESCRIPTION.	Quantity.	Rate.	Amount.	Remarks.
John A. Thomson	Special Castings		$\left. \begin{array}{l} .023 \text{ per lb.} \\ .021 \text{ " } \\ .021 \text{ " } \\ .02 \text{ " } \\ .01 \text{ " } \end{array} \right\}$		Schedule rate.
Neptune Meter Co.	$\frac{5}{8}$ in. meters	200	9.00	\$1800 00	Duty not included.
Robinson Bros	Truckage of pipes, ton of 2000 lbs., Corbet's wharf to City Yard	201815 lbs. ....	.33 ton	33 30	
Glenfield & Kennedy, Ltd	6 in. socket valves	50	18.48	923 99	All charges included.
W. H. Brush	Finishing house at Long Lake			230 00	
D. Y. Stewart & Co	3-27 in. pipes, class A. T. & B.	8610 lbs	£ 5 12 6 ton, 2000 lb		C. I. F. duty not included.
	3-27 " " B. "	9606 "	5 12 6 "		
	4-27 in. thimbles, class A. "	2532 "	12 10 0 "		
	4-27 " " B. "	2561 "	12 10 0 "		
	4-27 " " C. "	2610 "	12 10 0 "		
	20- 3 in. pipes, S. & F.	2635 "	6 55 0 "		
	4-20 " " " "	6016 "	5 12 6 "		
	2 miles 6 in. pipes, T. & B.	330938 "	112 6 "		
	2000 feet 4 in. " "	35830 "	120 0 "		

CONTRACTS, 1900-01.—(Continued).

SEWERAGE.

D. Y. Stewart & Co	8-48 in. pipes, 12 ft. x 1 $\frac{1}{2}$ in	58856 lbs.	£5 10 0	C. I. F. duty not included.
	3-48 " " 12 ft. x 1 $\frac{3}{8}$ in	25838 "	5 10 0 .....	.....
James Freda	Sand .....	.....	.03 $\frac{1}{2}$ per bush .....	.....
	Gravel .....	.....	.03 $\frac{1}{2}$ " .....	.....
Black Bros. & Co*	White's Cement, 375 lb. gross	500000 lbs. ....	.66 $\frac{1}{2}$ per 100 lb. ....	.....
"	Citadel Cement	58 bbls	2.45 per bbl .....	.....
Wm. Stairs, Son & Morrow	Atlas Cement, 380 lb. nett	125 " .....	.....	331 25
F. Hyde & Co	Drain Pipe { 15 in	400 feet .....	.46 $\frac{1}{2}$ each .....	.....
	{ 12 in	200 " .....	.31 $\frac{1}{2}$ " .....	.....
	{ 9 in. x 9 in. junctions	10.	1.00 " .....	.....
Wm. Curry & Son	Lumber	12874.2 feet	10.50 "	135 18	

STREETS.

City Prison	Hand-broken stone03 $\frac{1}{2}$ bush	Actual cost.
Poor Association	" "	23648 bush .....	.06 "	\$1472 87
George Harvey	Stone for crushing	59828 "01 $\frac{1}{2}$ "	Delivered in Rochester.
Aveling & Porter	Boiler for No. 1 Roller .....	.....	.....	£130
Wm. D. Yeadon	Granite—Straight Curb .....	.....	.63 feet .....	.....
	Corner " .....	.....	.68 " .....	.....
	" Gutter .....	.....	.67 " .....	.....
	Straight " .....	.....	.44 $\frac{1}{2}$ " .....	.....
	" Catchpit curb, 4 in. ....	.....	1.00 " .....	.....
	" " 7 in. ....	.....	1.00 " .....	.....
	Corner " 7 in. ....	.....	1.10 " .....	.....
	" " 4 in. ....	.....	1.10 " .....	.....
	Sq. Manhole Top, 1 piece .....	.....	6.00 .....	.....
	" " 4 " .....	.....	4.00 .....	.....
	Round Manhole Top .....	.....	7.50 .....	.....
	Coalhole Top .....	.....	7.00 .....	.....
	Hatch Curb .....	.....	.65 feet .....	.....

PERMANENT PAVEMENTS.

Carritte-Paterson Mfg. Co.	Distilled Tar	4358 gals .....	.13 gal.	566 54	.....
"	Asphalt	22288 lbs	27.50 ton	306 46	.....

CONTRACTS. 1900-01.—(Continued).

INTERNAL HEALTH.

CONTRACTOR.	DESCRIPTION.	Quantity.	Rate.	Amount.	Remarks.
W. A. Hendry ..	Road to Midden Pit			\$450 00	
" ..	Rental and Supervision of Pit			50 00	
Geo. Heaman ..	900 gal. Street Sprinkler with brake			310 00	Per annum for 5 years.
" ..	500 " " " "			235 00	Delivered in Halifax.
" ..	Studebaker Sprinkler			75 00	" "
J. M. McGrath & Co ..	Horses and Driver for Sprinkler		\$3.00 day		
John Nolan ..	Single teams for street cleaning	5 teams	.15 $\frac{1}{2}$ hour		

BATHS.

T. P. Mulcahy ..	Coopering Casks Floating Bath			\$35 00	
" ..	Pitching " " "			7 50	
" ..	Wine Casks for " " "	20	\$1 50	30 00	

MISCELLANEOUS.

Black Bros. & Co ..	Hardware		Schedule		
Peoples Heat & Light Co.	Coke for City Hall	Est. 175 tons	\$4 00		Ton of 2000 lb.

Cost of Breaking Stone at Crusher, 1900-1901.

STOCK.	LABOR.	CARTAGE.
50 gallons D. M. Engine Oil at 65c. \$ 32 50	Jan. 28.... \$ 66 18	\$ 9 60
10 gallons Cylinder Oil at 80c. 8 00	..... 1 86	C. H. 4 40
18 gallons Kerosene Oil at 20¢..... 3 65	Feb. 11.... 122 46	13 00
15 lbs. Cotton Waste at 6c..... 90	25.... 129 50	14 60
12 ton Coal 55 20	Mar. 11.... 127 22	14 20
30 ton Coke at \$4.00 120 00	25.... 134 66	14 20
59828 bushel Stone at 1¢..... 1046 99	April 8.... 66 94	8 00
	<u>\$1267 24</u>	<u>\$648 82</u>
Total.....		\$78 00
		<u>\$1994 06</u>

Stone Broken.

Fortnight ending January 28.....	1536 Bushel.
“ “ “ 28.....	3000 “
“ “ February 11.....	13188 “
“ “ “ 25.....	12990 “
“ “ March 11.....	11700 “
“ “ “ 25.....	13170 “
“ “ April 8.....	5780 “
	<u>6,1364</u>

Broken Stone, Bushel.....	34,200
Screenings, Bushels.....	27,164

61,364 at 3¢. = \$1,994.06

Repairs to Crusher, 1900-1901.

STOCK.	LABOR.	CARTAGE.
2 Files. \$ 1 15	Dec. 17.... \$ 41 04	\$ 1 80
1300 feet Lumber at \$11.00 14 30	31.... 39 83	1 00
Tubes and Expanders. 76 92	Jan. 14.... 51 27	1 40
Smoke Stack 12 60	28.... 21 11	4 20
35 lbs. Spikes at \$1.40 1 40	Feb. 11.... 1 00	
11 rolls Felt Paper at \$1.25..... 13 75	April 8.... 9 26	2 20
15 lbs. Nails at 5c 75		
15 lbs. Tins at 6c..... 90		
	<u>\$121 77</u>	<u>\$163 51</u>
Total.....		\$ 10 60
Breaking Stone.....		295 88
		<u>1994 06</u>
Total cost of Breaking Stone 61,364 bushels at 3¢.		<u>\$2289 94</u>

Memo. of Underground Work Laid in Halifax by The N. S.
Telephone Co., Ltd., 1900.

MAINS.

- From manhole at Office along Granville St, 15 ducts 255' 6", to manhole at Blowers St.
- From thence, 15 ducts 366', to manhole at Sackville St.
- Then west along Sackville St., 8 ducts 178' 6", to Manhole at Barrington St.
- Then west 6 ducts 184', to manhole at Argyle St.
- From manhole at Granville and Sackville east, 4 ducts 164' 6" to manhole at Hollis St.
- Then east, 3 ducts 172' 6", to manhole at Bedford Row.
- From manhole at Office west on Salter St., 12 ducts 232' 6", to manhole at Barrington St.
- Then south, 12 ducts 170', to manhole at Spring Garden Road.

BRANCHES.

- From Office manhole, 1 duct 83', to pole corner Salter and Granville Sts.
- Thence to pole S. W. corner Salter and Hollis Sts. 3 ducts 129'.
- From manhole corner Granville and Sackville Sts. to first pole north on Granville St., 3 ducts 110'.
- From manhole corner Sackville and Hollis Sts. to first pole north on Hollis St., 3 ducts 112'.
- From manhole corner Sackville and Bedford Row to second pole north on Bedford Row, 2 ducts 144'.
- Thence to first pole west on Sackville, 2 ducts 35'.
- From manhole corner Sackville and Barrington Sts. north to pole on Barrington St., 4 ducts 137'.

From manhole corner Sackville and Argyle Sts. north to pole on Argyle St., 2 ducts 116', to first pole west on Sackville, 3 ducts 31', to second pole west on Sackville St., 3 ducts 143', west on Sackville St. left dead, 4 ducts 122'

From manhole corner Barrington and Salter, north to pole corner Barrington and Salter Sts., 1 ducts 58'

From manhole corner Spring Garden Road and Barrington Sts., south to pole in front of Brigade Office, 4 ducts 46', west to second pole on Spring Garden Road, 2 ducts 125', west to third pole on Spring Garden Road, 2 ducts 229', west left dead, 4 ducts 219'.

15,918 feet of cable was pulled in containing 1,014 miles of conductor.

Land Acquired by the City of Halifax, 1900-1901.

LOCATION.	From	To	Date.	Consid- eration.	REGISTRY.		Remarks.
					Book.	Page.	
Fenwick St., south side	Eliza Smith		May 9, 1900.	\$600 00	.....	.....	Expropriated.
" "	Misses M. & A. McMillan.		" "	300 00	.....	.....	"
Long Lake, north side	Wm. Yeadon and wife	City of Halifax.	July 31, 1900.	150 00	344	396	
Willow St. from Robie St. to Windsor St.			June 18, 1900.	.....	.....	.....	Accepted by resolution of City Council.
Windsor St., east side Park	Rev. W. H. L. Cogswell and wife	City of Halifax.	Dec. 26, 1900.	1 00	344	398	
Young Avenue, east side	Executors J. S. McLean	"	July 2, 1900.	1 00	342	456	

Properties under Lease or Rental by the City of Halifax, 1900-1901.

LOCATION.	Leased from	Date.	Expires.	Rental.	Remarks.
Citadel Promenade	War Department..	April 29, 1896	5 years ...	£0 1 0 per annum.	Printed in Report, 1896-97..
Common, Gardens Cottage, &c. ...	" ..	Dec. 1899 ...	1 m. notice .....	.....	" " 1899-00..
" City Store Yard, &c. ...	" ..	" ..	" ..	.....	" " " ..
Green Bank, Sewer Outlet, South of	" ..	Aug. 8, 1900	"	£1 0 0 per annum	" " 1900-01..
North Ordnance, Floating Bath mooring	" ..	Nov. 30, 1899	Yearly ...	£0 1 0 per annum	" " 1898-99..
North Slip	Lord High Admiral	Dec. 1, 1864	99 years ..	0 1 0 "	" " 1899-00..
Pipe line, Right of Way near Arm	H. H. Cogswell....	Sept. 1, 1847	" ..	0 5 0 "	" " " ..
Pipe line, Right of Way, Sambro Road	George Welsman..	Aug. 28, 1900	.....	5 0 0 "	" " 1900-01..

City Property under Lease, 1899-1900.

LOCATION.	To whom Leased.	Date of lease.	Rental.	Remarks.
Bauer Street, Encroachment at lot No. 16	Isabel Zwicker	Sept. 20, 1899	\$1.00 per ann	Payable 1st October.
Campbell Road. Railway Siding to Imperial Oil Company's Property.....	Imperial Oil Co., Ltd.	April 20, 1900	1.00 "	Agreement published in annual report, 1899-1900
Cunard Street, Encroachment at No. 137.....	Isaac Sallis	Nov. 1, 1885	1.00 "	
Duffus Street, Encroachment.....	R. B. Moxon	Dec. 16, 1885	.25 "	
" "	Thos. J. Moxon	Dec. 16, 1885	.25 "	
" "	George H. Eisenhauer	Dec. 16, 1885	.25 "	
" "	J. F. Walker.....	June 26, 1875	4.00 "	
Ferry Dock.....	Dartmouth Ferry Co.	April 1, 1890	800 "	
Fenwick Street, Encroachment on Sewerage lot.	Harlan Fulton	Nov. 1, 1884	5 "	Woolen Mill.
Hastings Street, North of Doyle Street	Wm. Jakeman	Jan. 11, 1895	2 "	Three years.
Hollis Street, Encroachment at Halifax Hotel...	H. Hesslein & Sons		1 "	
Inglis Street, Cellar vaults	B. O'Neil	Feb. 28, 1871	£0 1 0 "	
Kempt Road, City Lot, cor. Young Street	Jonathan Adams	May 1, 1900	\$50 "	
Lockman Street, Encroachment	Caleb Heisler	Aug. 25, 1900	.25 "	
Morris Street, Encroachment at No. 99.....	Jas. Morrow	Nov. 13, 1884	1 "	Payable 1st December.
" " Right of Ingress and egress East of Water Street.....	Geo. P. Black	Nov. 25, 1875	5 "	3 months notice.
Morris Street, public landing foot of	Alex. Grant	Aug. 1, 1890	1 "	25 years.
Market Wharf, boat house on	Geo. Liston	Oct. 1, 1884	5 "	
" "	William Stone	" 1, 1884	5 "	
" "	Thomas Stone.....	" 1, 1884	5 "	
North Street, Encroachment corner of Lockman Street	Wm. A. Adams	Aug. 24, 1899	1 "	Payable Sept. 1st.

Prince Arthur Street, Encroachment on east side between Quinpool and Norwood Streets	Robt. Pickford	Nov. 27, 1890	\$1.00 per ann	
Robie Street, Encroachment	T. J. Doran	April 10, 1879	.25	"
Salter Street, lot east of Water Street.....	Jno. Taylor Wood ...	May 18, 1875	1.00	" 3 months' notice.
Spruce Hill Lake, Encroachment at the Middle Dam	Archibald Kidston ...	May 13, 1899	.....	Published in annual re- port, 1899-1900.
Spruce Hill Lake, Encroachment at Narrows ...	"	Aug 27, 1900	.....	Published 1900-01.
Tower Road, old Exhibition Building	Harshaw B. Clark ...	July 1, 1898	1140.52	"
Wanderer's Grounds.....	W. A. A. C	May 1, 1896	100	" 20 years.
Young Street, Railway Siding to Exhibition Grounds	Exhibition Com & Min. Railways and Canals.	Nov. 20, 1897	.....	Agreement published in annual report, 1897-98.

Licensed Master Plumbers, 1900-1901.

NAME.	PLACE OF BUSINESS.
Farquhar Bros.	Corner of Barrington and Blower St.
Power & Co.	289-291 Barrington St.
Macdonald & Co.	162-174 " "
Ezra Davidson	50 " "
George Rent	31 " "
Crump & Perrier	25-29 " "
Longard Bros.	213 Hollis St.
John McFatrige, Jr.	224 " "
J. E. Myers	90 Gottingen St.
W. S. Craig	316 Upper Water St.
Magnus & Lownds	165 Lower Water St.
J. B. Naylor & Sons	22 Spring Garden Road.
Day & Kinsman	72 Cornwallis St.
F. R. Brown	208 Hollis St.
C. W. Johnston	70 Agricola St.
C. P. Hill	43 Duke St.
Donovan & Brennan	30 Upper Water St.
G. A. Wooten & Co.	154 Granville St.
Union Plumbing Co.	85½ Gerrish St.

Number and Location of New Street Lights, 1900.

2000 C. P. ARC.

NUMBER.	STREET.	LOCATION.
231	Young Avenue	South West corner Ogilvie St.
232	Bower Road	Between Tower Road and Francklyn St.
233	Robie	North East corner Cunard St.
234	Lawrence	South side between Windsor St. and Chebucto Lane
235	Duncan	At Chebucto Lane.
236	Allen	" "

Number of Arc Lamps, 2000 C. P., in use April 30th, 1901.....	236
" Bernstein Lamps, 50 C. P., " "	2
" Gas " " " "	3

Total number of Street Lamps 241

RULES AND REGULATIONS

TO AMEND THE RULES AND REGULATIONS FOR THE GUIDANCE OF ARCHITECTS, PLUMBERS, HOUSEHOLDERS AND OTHERS USING THE WATER SUPPLY, AND THE RULES AMENDING THE SAME.

Be it enacted and ordained as follows:

Sections 33 to 52, both inclusive, of the Rules of the City Board of Health hereby amended, as also the Rules previously amending the said sections, are hereby repealed and the following substituted therefor:

33. A Board of Plumbing Examiners is hereby constituted, to consist of the City Engineer and the City Inspector of Plumbing. The Board shall be called together by the City Engineer (who shall be Chairman of the Board) at such times as the Board of Health may direct.

34. No person shall do or perform any plumbing work as a master plumber in the City of Halifax unless he is duly licensed to perform the same, and is registered as such in the office of the Board of Works for said city, and the person obtaining such license shall be known as a "Master Plumber," and shall pay for said license to the Board of Works the sum of ten dollars.

35. To entitle any person to a license under the next preceding section, he shall be of the full age of twenty-one years, and have a place of business as a plumber in the City of Halifax, and shall furnish to the Board of Plumbing Examiners sufficient evidence that he is himself a practical and experienced plumber, and his license as a master plumber, when issued, shall be kept in a conspicuous place in his place of business.

36. Every person before doing any plumbing work or business in the said city for or on account of himself or any master plumber shall be a practical and experienced plumber and furnish the Board of Plumbing Examiners sufficient evidence that he is capable of properly doing and performing plumbing work in said city, and if

the Board is satisfied of his competency to perform said work, they shall cause his name to be registered in the said office of the Board of Works and give him a certificate of competency as a journeyman plumber, after which he shall be at liberty to do such plumbing work, but not before.

37. Every person desiring a license as a master plumber, or as journeyman plumber, shall file a petition in writing with the Clerk of Works, giving the name of the applicant, and if the applicant is applying for a master plumber's license he shall state in his petition his age and place of business in said city, and the said petition shall be accompanied with the bond hereinafter referred to.

38. Any change in the location of the business of a master plumber shall be promptly reported to the said Clerk of Works.

39. Any journeyman plumber desiring to become a master plumber shall first comply with these rules and regulations as to master plumbers, and no journeyman plumber shall do business as a master plumber until he has obtained a master plumber's license, notwithstanding anything in these rules and regulations.

40. Any master plumber or journeyman plumber who furnishes satisfactory evidence to the Board of Plumbing Examiners that he has carried on the business as a practical and experienced master or journeyman plumber in the City of Halifax for not less than four (4) years next previous to November 29th, 1897, shall be entitled to receive a license or registration without examination.

41. All licensed master plumbers shall be held responsible for all acts of their employees for work done in connection with their plumbing business in respect to which such license is granted.

42. Every licensed master plumber shall on the first day of every month report to the City Engineer, upon printed forms to be supplied at the City Engineer's Office, the number, nature and extent of all new plumbing fixtures placed by him or his journeyman plumber in any building in said city, but they shall not be required to make returns of any old fixtures renewed, except water closets and urinals.

43. Every master plumber shall only employ journeyman plumbers to do said plumbing work, but said work may be done and performed by any practical plumber under the guidance and

direction of a journeyman plumber or master plumber then present directing the work.

44. Every master plumber, before obtaining a master plumber's license, shall file a bond with the Clerk of Works in the penal sum of two hundred dollars conditioned for the faithful performance of his duty as a master plumber and for his not permitting or allowing any plumbing work that he may be called upon to do to be performed by any person in his employ except by such persons as may be authorized to do plumbing work under these rules and regulations, and for his not violating any of the terms and conditions of said rules and regulations or any other rules or regulations in force in the city respecting plumbing, drainage, sanitary matters and the city water works.

45. No person shall carry on business in the said city as a master plumber unless he is the holder of the license herein mentioned, nor shall any journeyman plumber do or perform any plumbing work until he has obtained his certificate under these rules and regulations.

46. No person shall be allowed, without having first obtained a permit from the City Engineer, to open or shut off the street stopcock connected with the service supplying any premises or buildings, unless in case of urgent necessity to prevent loss or damage from flooding, and shall in every such case leave the stopstock as he found the same, and any person who shall commit any damage or injury to any stopcock in the service pipes of the department shall be liable for the amount of any such damage, in addition to any penalty imposed for the violation of these rules.

47. When any old fixtures or plumbing requires renewal the work shall be done in accordance with these rules and regulations, as far as they apply, but it shall not be necessary to take out any old work which, in the opinion of the Plumbing Inspector, is in good sanitary condition. In every case where in the opinion of the City Engineer and Plumbing Inspector the enforcement of any rule or rules respecting plumbing is impracticable or inadvisable, they shall have power to modify or suspend any such rule or rules to meet the exigencies of the particular case.

48. The City Engineer, the Foreman of Water Works, or any Inspector appointed for that purpose, shall have the right at proper hours of the day, and upon reasonable notice given and request

made upon the owners, to enter upon and have free access to all parts of any building in the City of Halifax in which water from the City Water Works is delivered or consumed.

49. The City Health Board shall have the power at any time to cancel any master plumber's license or any journeyman plumber's certificate for cause and thereupon all rights of said master plumber or journeyman plumber to do any plumbing work under these rules or regulations shall cease and determine.

50. The license to master plumbers shall expire on the 31st day of December in each and every year, but they may be renewed by the City Board of Health on the recommendation of the Board of Plumbing Examiners, and the master plumber shall pay one dollar (\$1.00) for each and every renewal.

51. The City Health Board shall from time to time, as occasion may require, on the nomination of the City Engineer, appoint such inspectors of plumbing as may be found necessary, but no person shall be eligible for such appointment who has not passed a satisfactory examination for proficiency in both practice and theory of plumbing and drainage before the Board of Plumbing Examiners.

52. Such inspector or inspectors shall be under the supervision of the City Engineer, and shall be attached to the office of the said City Engineer, and shall be paid such salary as the City Council determines.

53. All work contemplated in these regulations shall be done by a licensed master plumber, or by a certified journeyman plumber in the employ of such licensed master plumbers, or as provided in rule 43, and shall be subject to the inspection, supervision and approval of the City Engineer or an inspector appointed by the City Health Board for that purpose, and all faulty or defective work which is at any time discovered shall be made satisfactory to the said engineer or inspector, as the case may be, and when found satisfactory the certificate shall issue to the plumber at the expiration of (30) days from date of inspection, unless in the meantime such work has become faulty or defective.

54. Hereafter no person or member of any company or employee or apprentice of such person or company shall do or perform any work authorized by these rules, nor shall any such person or member of any corporation direct or instruct any employee or

apprentice to do or perform any such work until the owner or his agent shall have first obtained the permit and filed the plan and specification mentioned in rules 27 to 31, both inclusive, of the rules hereby amended.

55. Every person violating any of the rules and regulations of the Board of Health shall be liable to a penalty of not less than five (\$5.00) dollars, nor more than eighty (\$80.00) dollars for each offence on summary conviction before the stipendiary magistrate, and in default of payment to imprisonment in the city prison for a term not to exceed ninety (90) days.

Sec. 1. sub-section H, is hereby repealed and the following substituted: No trap vent pipe shall be less than three inches in diameter where it passes through the roof, and all vent pipes after leaving the trap must continue to rise above the bottom of any fixtures vented before being connected with or to any other vent, and vent pipes must pass out through the roof or be connected with the soil pipe.

Section 4 The first sentence is struck out and the following substituted: Every connection between lead and cast iron pipe shall be made with brass ferrules, properly gasketted, leaded and caulked into the soil pipe, and every connection between lead and wrought iron pipe shall be made with brass soldering nipples, having properly wiped joints.

Adopted at a meeting of the City Health Board, June 11th, 1900.

(A certified copy.)

JOHN A. WATTERS,
Secretary.

LEASES.

MEMORANDUM OF AGREEMENT made the eighth day of August, 1900, between the Commanding Royal Engineer in Canada on behalf of Her Majesty's principal Secretary of State for the War Department (hereinafter called "the said Secretary of State," which expression wherever hereinafter used shall include his successors in office, where the context so requires or admits of the one part, and the Corporation of the City of Halifax, Nova Scotia, hereinafter

called "the Tenant," which expression wherever hereinafter used shall include his executors, administrators and assigns, where the context so requires or admits, of the other part. Witnesseth that the tenant having applied to the said Secretary of State for permission to carry a sewer across a portion of the War Department property near Green Bank, a part of Point Pleasant Park, the said encroachment being more particularly described in the schedule hereto, the said Secretary of State has consented to grant such permission on the terms and in manner following, to which both parties hereto agree, namely :—

1. The position and direction of the said encroachment shall be fixed, and the works in connection therewith carried out and executed under the supervision and to the entire satisfaction of the Commanding Royal Engineer of the district for the time being, at the entire cost of the tenant.

2. The tenant shall pay to the said Secretary of State by way of acknowledgment that such permission exists by leave only of the said Secretary of State, and not by any other right or title whatsoever, the sum of one pound per annum, on the first day of January in every year during the continuance of this agreement, without any deduction whatsoever, the first payment of one year's rent or acknowledgment to become due and be payable in advance on the thirtieth day of August, 1900.

3. The said Secretary of State, or any person acting under him, or on his behalf, or by his direction, shall not be liable for any accident of whatever nature which shall, or may occur, to the said sewer, or the works in connection therewith, nor shall the tenant be allowed or permitted to enter upon the property of the War Department to execute any repairs thereof that may be necessary without having first obtained the written consent of the said Commanding Royal Engineer, nor at any time other than that specified in such written consent, and all such repairs shall be executed, and on each occasion of execution of repairs the War Department property shall be restored and made good to the satisfaction of the said Commanding Royal Engineer, at the entire cost of the tenant.

4. This agreement may be terminated at any time by the said Secretary of State by a notice in writing signed by him, or some agent duly authorized by him in that behalf, and given to the

tenant, or sent by post to him at his last known place of abode or business. And immediately upon such notice being so given or sent the permission hereinbefore granted shall be deemed to be withdrawn without payment of any compensation to the tenant, who shall thereupon forthwith proceed, at his own cost, and to the satisfaction of the said Commanding Royal Engineer, to remove the said encroachment and to restore the War Department property in connection with the said encroachment to the condition in which it was before the commencement of the said works. And in case the tenant shall neglect or fail within one calendar month from the giving or sending of such notice to remove the said encroachment and the works in connection therewith, and to restore the War Department property as aforesaid, the said Secretary of State may, at the expense in all respects of the tenant, remove the said encroachment and works and restore the said property to its former condition, and all costs and expenses incurred in such removal and restoration shall on demand be paid by the tenant to the said Secretary of State.

5. The permission of the said Secretary of State for War is granted only on the condition that the above encroachment shall be removed within six months, if a city sewer close to the south side of the Queen's wharf is not extended to below low water mark to the satisfaction of the Commanding Royal Engineer before the 31st December, 1901, and the said corporation of the City of Halifax hereby agrees to remove the said encroachment within the time allowed.

As witness whereof the parties hereto have hereunto their hands and seals subscribed and set the day and year first above mentioned.

(Sgd.) J. T. HAMILTON, *Mayor.*

(Sgd.) H. TRENAMAN, *City Clerk.*

Signed, sealed and delivered in }
the presence of }

(Sgd.) J. T. ROUSE, E. C., *Q. M. S.*

(Sgd.) F. W. W. DOANE.

*Witness to the signature of J. T. Hamilton
and H. Trenaman.*

RECEIVED from the City of Halifax the sum of Five Dollars (\$5 00) as payment in full for a right-of-way over my property adjoining the high service pipe line, for which amount I hereby agree to allow the City a right-of-way over my property at any and all times with men, teams, materials, or for any other purpose which they may require in connection with the Board of Works service.

Received payment.

(Sgd.) GEORGE WELLSMAN.

August 28th, 1900.

Permission to Erect Fence at Spruce Hill Lake.

HALIFAX, August 27th, 1900.

I, Archibald Kilston, hereby agree that I will remove the fence to be erected by me on City property near the Narrows, at Spruce Hill Lake, within twenty-four hours after receipt of notice from the City Engineer to do so, and that I will not make any claim for or in consequence of my occupation of City property, while the fence is maintained or at any time afterwards.

ARCHIBALD KIDSTON.

Witness:

JAS. J. HOPEWELL.

Description of Properties acquired by the City of Halifax during 1900-1901.

FENWICK STREET, South Side.—Two lots of land on the south side of Fenwick street, near Queen street, expropriated from Mrs. Eliza Smith and the Misses M. and A. MacMillan, for the sum of six hundred dollars (\$600.00) for the first lot, and three hundred dollars (\$300.00) for the other, by resolution of Council of May 9th, 1900, for the purpose of completing the grading and widening of Fenwick street. The description in the resolution of Council is as follows:—

All that lot, piece or parcel of land situate on the south side of Fenwick street, in the City and County of Halifax, said to belong to Mrs. Eliza Smith, the said lot being more particularly described as follows:—Beginning at a point on the south side line of Fenwick street, distant eighty-three (83) feet, more or less, westerly from the intersection of the said south side line of Fenwick street with the west side line of Queen street, the said point being the intersection of the eastern boundary line of the property now under description with the southern boundary line of Fenwick street; thence running in a southerly direction by the said eastern boundary line for a distance of forty-two (42) feet, more or less, or until it meets the southern boundary line of the said property; thence in a westerly direction by the said southern boundary line for a distance of thirty (30) feet, more or less, or until it meets the western boundary line of the said property; thence in a northerly direction by the said western boundary line for a distance of forty two (42) feet, more or less, or until it meets the aforesaid south boundary line of Fenwick street; thence easterly by the said south boundary line of Fenwick street for a distance of thirty (30) feet, more or less, to the place of beginning. The said lot being shown, colored red, on a plan entitled, "Plan shewing land required for the widening of Fenwick street," signed by F. W. W. Doane, City-Engineer, dated March 2nd, 1900, and filed in the City Engineer's office, at Halifax, N. S., as plan No. 1232.

Also all that lot, piece or parcel of land situated on the south side of Fenwick street in the City and County of Halifax adjoining the above described lot of land to the westward, and said to belong to the Misses M. & A. MacMillan, the said lot being more particularly described as follows:—Beginning at a point on the south side line of Fenwick street formed by the intersection of the west boundary line of the above described property with the said south line of Fenwick street; thence in a southerly direction by the eastern boundary line of the property now under description for a distance of one hundred feet (100) more or less, or until it meets the southern boundary line of the said property; thence westerly by the said southern boundary line for a distance of eighty feet (80) more or less, or until it meets the western boundary line of the said property; thence northerly by the said western boundary line for a distance of one hundred feet (100) more or less, to the south side line of Fenwick street; thence easterly by the said south side line of Fenwick street for a distance of eighty feet (80) more

or less, to the place of beginning. The said lot being shewn colored blue on plan entitled, "Plan showing land required for the widening of Fenwick street," signed by F. W. W. Doane, City Engineer, dated March 2nd, 1900, and filed in the City Engineer's office at Halifax, N. S., as plan No. 1232.

LONG LAKE, North Side.—This piece of land was acquired from William Yeadon and wife by deed bearing date of 31st day of July, 1900, for the sum of one hundred and fifty dollars (\$150.00). The said deed is recorded in the Registry of Deeds Office, book 344, pages 396, 397 and 398. The description in the deed is as follows:—

All that certain tract of land in the County of Halifax lying on the west side of the North West Arm, beginning at the eastern corner of lot No. 1 in Sutlin Manor (so-called); thence running north thirty-five degrees west forty-five chains; thence south fifty-five degrees west twenty-six chains, or until it meets the shore of Beaver Lake; thence easterly by the shore of said lake to the northern boundary of lot No. 1 aforesaid; and thence by the northern side of said lot to the place of beginning, containing in the whole (by estimation) one hundred acres, more or less.

Always excepting thereout and therefrom forty-three acres and one-tenth of an acre, more or less, sold to the said City of Halifax Water Works, as will fully appear by the conveyance of the same on record. Being all the land conveyed to the said William Yeadon by John H. Christman and Harriett C., his wife, and Charles G. Clarke and May A., his wife, by a certain indenture bearing date the twenty-sixth day of November, A. D. 1877, duly recorded in the Registry of Deeds at Halifax in libro. 210, folios 300 and 301.

WILLOW STREET.—This street, between Robie and Windsor Streets, was accepted by the City Council, by resolution dated June 18th, 1900. The description in the resolution is as follows:—

All that lot, piece or parcel of land situate, lying and being in the City and County of Halifax, the said lot being more particularly described as follows:

Beginning at a point on the west side line of Robie Street distant 200 feet from the intersection of the said west side line of Robie St^y with the south side line of North Street; thence westwardly by a line parallel to said south line of North Street and distant therefrom 200 feet until it comes to the east side line of Windsor Street;

thence southerly by the said east side line of Windsor Street for a distance of 64 feet, more or less; thence easterly by a line parallel to the first above described line and distant 60 feet therefrom until it comes to the west side line of Robie Street; thence northerly by the said west side line of Robie Street for a distance of 64 feet, more or less, to the place of beginning. The said lot being shown as Willow Street on Plan Number 973, filed on the 8th of March, 1898, in the City Engineer's office at Halifax, N. S., which plan was traced from Plan Number 40 on file in the Crown Land Office at Halifax, N. S.

WINDSOR STREET.—A piece of land known as "Cogswell Park" on the east side of Windsor Street, deeded to the City by the Rev. William H. L. Cogswell and wife for the sum of one dollar (\$1.00). The deed is recorded in the Registry of Deeds Office in Book Number 344, pages 398 and 399. The description in the deed is as follows:

All that certain lot, piece or parcel of land situate, lying and being in the city of Halifax aforesaid, bounded and described as follows:—Beginning on the eastern side of Windsor Street at the corner formed by the eastern side of said street and the western side of Parker Street; thence running northerly along the eastern side of Windsor Street, four hundred and forty feet four inches, to the southern side of Welsford Street; thence easterly along the southern side of Welsford Street one hundred and fifty-eight feet to the west side of Parker Street; thence southerly along the west side of Parker Street four hundred and seven feet to the place of beginning, being a triangular piece of land marked on a plan of lands belonging to the Estate of Charles Cogswell, made by James H. Austen, Deputy Surveyor, and dated the 16th day of April, A. D. 1898, said piece of land having been devised by the said Charles Cogswell to the said William H. L. Cogswell.

YOUNG AVENUE.—A strip of land one hundred and sixty-nine feet by ten feet on the east side of Young Avenue at the south-east corner of Inglis street, acquired from the executors of the estate of John S. MacLean, for the purpose of widening Young Avenue to the width of eighty feet. The deed is recorded in the Registry of Deeds office book 342, pages 456, 457 and 458. The description in the deed is as follows:—

All that lot, piece or parcel of land situate, lying and being on

the east side of Young Avenue, in the City and County of Halifax, the said lot being more particularly described as follows:—Beginning at a point formed by the intersection of the east side line of Young Avenue with the south side line of Inglis street, thence in a southerly direction by the said east side line of Young Avenue for a distance of one hundred and sixty-nine feet, more or less, or until it comes to the northern boundary line of property lately purchased by J. F. Kenny, Esquire, thence in an easterly direction by the northern boundary line for a distance of ten feet, thence in a northerly direction for a distance of one hundred and sixty-nine feet, more or less, or until it comes to the south side line of Inglis street; thence westerly by the said south side line of Inglis street for a distance of ten feet to the place of beginning. The above described lot being all that portion of lots Nos. 1, 3 and 4 of the division of property belonging to the estate of John S. MacLean, lying to the westward of a line drawn parallel to the centre line of Young Avenue, and distant forty feet easterly therefrom.

REPORT
OF
CLERK OF WORKS.

CITY WORKS OFFICE,
HALIFAX, N. S., MAY 1ST, 1901.

To His Worship the Mayor :

SIR,—I herewith beg to submit for your information the Annual Report of this Department for the civic year 1900-01.

I have the honor to be, Sir,

Your obedient Servant,

JAS. J. HOPEWELL,

Clerk of Works.

ANNUAL REPORT, 1900-1901.

City Property.

1900.			
May 1.	By Appropriation.....	\$ 2000 00	
	“ Queen Insurance Co., damages Exhibition Building.....	10 00	
	“ Construction.....	78 47	
			\$ 2088 47

EXPENDITURE.

Labor and Cartage, general repairs.....	\$ 535 31	
Materials, “.....	356 14	
Sewerage, transfer for work and materials.....	34 89	
Painting and Glazing, J. Taylor.....	305 99	
Carpenter's work, W. H. Brush.....	763 50	
Office Furniture, etc., Gordon & Keith.....	92 64	
		\$ 2088 47

Permanent Pavement.

1900.			
May 1.	By Balance brought forward, 1899-1900.....	\$ 6673 31	
	“ Lockman St. widening, transfer for 1000 ft. curb., Engineer's Certificate.....	640 00	
	“ Sewerage, transfer for work done.....	318 69	
	“ Collection, sidewalks, etc., City Collector.....	1703 79	
	“ “ materials sold, City Works Office.....	262 07	
			\$ 9597 86

EXPENDITURE.

John Kline, granite.....	\$ 311 42		
Wm. D. Yeadon, granite.....	510 61		
John McFatrige, Jr., asphaltting.....	325 00		
Caritte-Patterson Mfg. Co., tar, asphalt.....	720 12		
Streets, transfer for material used.....	119 84		
Labor, as per pay lists.....	1453 02		
Materials, etc.....	689 85		
		4129 86	
	Balance carried forward, 1901-02.....		\$ 5468 00

Esplanade.

1900.
May 1. By Loan \$ 6500 00

Quinpool Road Widening.

1901.
May 21. By Lockman St. widening, transfer..... \$ 502 10

EXPENDITURE.

1900.	May 1.	To Balance brought forward, 1899-1900.....	\$ 142 10	
		“ Jeffrey Terriss.....	15 00	
		“ Mary Warner.....	15 00	
		“ Norman Dauphiney.....	15 00	
		“ Roman Catholic Epis. Corporat'n	15 00	} Allowance for obtaining money from court for land expropriated.
		“ Monastery Good Shepherd.....	15 00	
		“ Dr. W. J. Almon.....	15 00	
		“ Dr. Thos. W. P. Flinn.....	15 00	
		“ C. W. Davies.....	15 00	
		“ John Dixon.....	15 00	
		“ Mrs. Worrall.....	15 00	
		“ Mrs. C. Hosterman.....	15 00	
			307 10	
		Balance carried forward, 1901-02.....	\$ 195 00	

West and Maynard Streets Land Purchase.

1900.
May 1. By Balance brought forward, 1899-1900 \$ 1139 24

Steam Roller Loan.

1900.
May 1. By Balance brought forward, 1899-1900..... \$ 1236 41

Young Avenue.

1900.
May 1. By Balance brought forward, 1899-1900 \$ 47 86

Young Avenue House and Land Expropriation.

1900.
May 1. By Balance brought forward, 1899-1900 \$ 332 55

Citadel Improvement.

1900.			
May 1.	By Balance brought forward, 1899-1900	\$	365 53
	EXPENDITURE.		
	Labor, as per pay list	\$	13 04
	Army Pay Department, rent of letting		0 25
	Black Bros. & Co., hardware		2 35
			15 64
	Balance carried forward, 1901-02	\$	<u>349 89</u>

Lockman Street Widening.

1900.			
May 1.	By Balance brought forward, 1899-1900	\$	187 85
31.	" J. W. Allison, purchase land, etc		1750 00
31.	" Thos. P. Mulcahy, purchase land cor. Cornwallis & Lockman.		1000 00
31.	" Jas. Coolen, purchase land		200 00
1901.			
Feb. 28.	" City Treasurer		30 00
Apl. 30.	" "		225 00
			<u>\$3392 85</u>
	EXPENDITURE.		
	Permanent Pavement, transfer for 1000 ft. curb used ..	\$	640 00
	Quinpool Road widening, transfer		502 10
	John O'Sullivan, allowance for obtaining money from court		15 00
	Labor, as per pay lists		14 29
	Sewerage, transfer for material used		5 38
			1176 77
	Balance carried forward, 1901-02	\$	<u>2216 08</u>

Public Baths.

1900.			
May 1.	By Balance brought forward, 1899-1900	\$	1217 24
	" Receipts		410 05
			<u>\$1627 29</u>
	EXPENDITURE.		
	Army Pay Department, 3 years' rent letting	\$	0 75
	Queen Insurance, premium fire insurance		36 00
	Labor, as per pay lists		278 02
	Material, Bathing Drawers, Towels, Washing, etc ...		574 88
			859 65
	Balance carried forward, 1901-02	\$	<u>737 64</u>

Plumbers' License Fees.

G. A. Wooten & Co	\$ 10 00
Power & Co	2 00
Chas. Johnson.....	2 00
Donovan & Brennan	10 00
Union Plumbing Co	10 00
Macdonald & Co.....	1 00
Crump & Perrier	1 00
W. S. Craig.....	1 00
George Rent	1 00
John McFatrige, Jr.....	1 00
Day & Kinsmau	1 00
Magnus & Lownds	1 00
Longard Bros.....	1 00
John E. Myers.....	1 00
Charles P. Hill	1 00
J. B. Naylor & Son	1 00
F. R. Brown	1 00
Ezra Davison	1 00
Farquhar Bros.....	1 00
Deposited with Treasurer	<u>\$ 48 00</u>

Street Lighting.

1900.		
May 1.	By appropriation.....	\$18500 00

EXPENDITURE.

Halifax Ill. & Motor Co., Ltd., 1 year's electric lighting.	\$18321 27	
Peoples Heat & Light Co., Ltd., 1 year's gas, 2 lamps.	82 50	
		<u>18403 77</u>
Unexpended balance		<u>\$ 96 23</u>

City Hall Lighting.

1900.		
May 1.	By appropriation	\$ 80) 00

EXPENDITURE.

Halifax Elec. Tram Co., Ltd., 1 year's electric lighting.	\$ 632 16	
Peoples Heat & Light Co., Ltd., 1 year's gas	43 65	
John Starr & Co., 100 electric globes	20 00	
Canadian Gen. Elec. Co., electric supplies	2 38	
		<u>698 19</u>
Unexpended balance.....		<u>\$ 101 81</u>

Insurance.

1900.
May 1. By appropriation.....\$ 800 00

EXPENDITURE.

Queen Fire Insurance Co.,—			
City Hall.....	\$30000 at	60c....	\$180 90
“ Furniture, fittings	10000 at	60c....	60 00
City Prison.....	5000 at	1.00	50 00
“ outbuildings.....	3000 at	1.00	30 00
Infectious Disease Hospital.....	5000 at	1.50	75 00
Small Pox Hospital.....	500 at	1.00	5 00
Exhibition Rink, Tower Road.....	2000 at	2.00	40 00
Machinery Hall.....	1500 at	2.00	30 00
“ contents.....	9200 at	2.00	184 00
City Stables, Exhibition Grounds..			
“ contents.....			
Grafton St. Ladder House.....	1000 at	90c....	9 00
West St. Engine House.....	4000 at	50c....	20 00
Central Engine House.....	2000 at	60c....	12 00
Gerrish St. Engine House.....	1000 at	2.50	25 00
Queen St. “.....	1800 at	50c....	9 00
Isleville “.....	1000 at	75c....	7 50
Quinpool Road Engine House.....	2500 at	50c....	12 50
Spring Garden Road Engine House..	1000 at	50c....	5 00
Keepers House Spruce Hill Lake... 500 at	75c....		3 75
“ Chain Lake.....	500 at	75c....	3 75
			761 50
Unexpended balance.....			\$ 38 50

Streets.

1900.
May 1. By appropriation.....\$21000 00

“ Collections, City Works Office.....	310 83
“ Permanent Pavement, transfer for work and material.....	119 84
“ Sewerage, “ “.....	534 25
“ Construction, “ “.....	23 72
“ Maintenance, “ “.....	243 59
	\$22232 23

EXPENDITURE.

½ Salary, Foreman of Streets.....	\$ 500 00
Fenwick Street Expropriation.....	900 00
Association for Improving the Condition of the Poor, Broken Stone and Interest.....	1398 02
Wm. D. Yeaton, granite.....	1667 17
Geo. Harvey, stone for crusher.....	1046 80
Horses and Drivers, transfer for work done.....	57 63
Internal Health, transfer for work and material.....	88 24
Labor and Material, repairing streets and sidewalks... 16574	37
	\$22232 23

Telephones.

1900.
May 1. By Appropriation \$ 238 00

EXPENDITURE.

City Clerk's Office, 12 months.....	\$ 35 00
“ Collector's Office, 12 months	35 00
“ Engineer's “ 12 “	35 00
“ Workshop, “ 12 “	35 00
“ Clerk of Works Office, 12 months.....	35 00
Aldermen's Room, 12 “	25 00
His Worship the Mayor's desk, 12 months	13 00
Stipendiary's residence	25 00
	<u>\$ 238 00</u>

Fuel.

1900.
May 1. By Appropriation \$ 850 00
“ Discount, City Works Office..... 2 50

\$ 852 50

EXPENDITURE.

Wm. Roche, coal per bills.....	\$ 84 28
S. Cunard & Co., coal per bills	95 00
People's Heat & Light Co., coke per bills	500 20
Labor, putting in coal and removing ashes	25 08
Horses and Drivers, transfer for work done	9 20
	<u>713 76</u>
Unexpended balance.....	<u>\$ 138 74</u>

Sewerage.

1900.
May 1. By balance brought forward, 1899-1900 \$23944 49
“ Collectors sewer frontage per City Collector..... 16754 44
“ “ City Works office
 452 64 |

“ Lockman St. widening, transfer for work & material.. ..	5 38
“ Construction, “ “	43 72
“ City Property, “ “	34 89
	<u>\$41235 56</u>

EXPENDITURE.

Salaries	\$ 3050 00
Permanent Pavement, transfer for material used	318 69
Labor and material	18901 80
	<u>22270 49</u>
Balance carried forward 1901-02	<u>\$18965 07</u>