

PRECIPITATION.

The number of days on which precipitation was recorded in the City was one hundred and ninety-four, but the total 54.322 inches, is only 96 per cent of the mean for the past forty-one years (56.406 inches)

The precipitation for the month of June 1.066 inches was the lowest on record and the summer was very dry. The December record 2.762 is the lowest for that month with a single exception.

Long Lake reached its lowest level on September 29th, when the surface of the lake was 202.19 or 3.80 feet below the waste weir. Spruce Hill Lake rose to 364.59 on May 2nd, and dropped to 360.80 on September 29th.

METERS.

Since the general installation of meters ceased at the first of May, 1908, no further effort has been made in this direction.

The I. R. C. agreement for supply by meter was renewed for five years and a similar agreement was made for supplying the Dockyard and Admiralty property. An agreement has also been approved by the Council for supplying all military property by meter. Over one hundred meters will be necessary for those services and a considerable number are being installed in compliance with the request of property owners.

To show the effect of meters on water consumption the Pittsburg Meter Co. of East Pittsburg, Pa., has recently compiled, from special official reports and letters, the number of taps and meters and the average daily per capita water consumption in over 300 cities and towns in the United States. These figures are given in a small pamphlet, which also includes population of each city and an indication of whether the works are publicly or privately owned. The Cities are arranged in population groups. Below is given the averages of the per capita consumption for each group of cities showing the consumption for cities having under 25 per cent of their taps metered with those having over 75 per cent metered.

new service pipes are put in every year and no effective effort made to stop the waste the condition of the service must continue to grow worse.

It has been stated that there is a lot of water going to waste over Long Lake dam. Let us see what there is in it. Undoubtedly there will be a good deal of water running off in a wet season, but that is of no use in a dry year. The water supply available is only what we can get in a dry year and when the drought comes again if we are using at a rate greater than the available supply there can be one result only—we shall be without water. We were dangerously near it in 1905.

From May 28th, 1904, to February 28th, 1906, one year and nine months, Long Lake overflowed on 54 days only. Making no allowance for evaporation or other loss and assuming that every gallon could be stored, the consumption could have been increased in the City 1,687.681 gallons a day. While that quantity would be enough for 2500 to 3000 houses supplied through meter, it may be used up by 250 to 300 service pipes without meters. The number of new service pipes put in since 1905 is 565.

The number of meters repaired during the year was 104 or 8 per cent of the total number in use. The average cost of repairs was $33\frac{1}{3}$ cents per meter repaired or $2\frac{2}{3}$ cents per meter in use.

STREETS

The area of cement concrete sidewalks laid, 9,036 yards was slightly less than last year, the length nearly two miles and the cost varying from \$1.32 to \$2.17 according to conditions. Included in the sidewalk work there was 2,160 feet of straight granite curb, 222 feet of corner granite curb, 2,573 feet of straight granite gutter, 187 feet of corner granite gutter and 5,541 feet of straight combined concrete curb and gutter.

An experiment was made with tar filled macadam on Kaye Street. Tarvia B was used and the grouting method adopted, but the result is not satisfactory and two or three blocks will be laid during the coming season using refined tar and the mixing method. The bitulithic laid on Duke Street and George Street between Barrington Street and Granville Street has demonstrated the unsuitability of this

material for such grades and there is opposition to any proposal to lay stone blocks. It seems probable, therefore, that tar filled macadam must suffice for the present.

Building lines were fixed on Oxford Street and North Street and legislation was sought to establish them, but the act passed does not come into force until proclaimed.

A strip of land on the south side of Duke Street was purchased, from Mr. J. Walter Allison to widen the street to the official line, and a narrow strip on the south side of South Street was sold to Mr. R. J. Anderson to enable him to build out to the line. The requisite width was purchased from Mr. A. M. Bell to widen North Street, Windsor Street and Chebucto Road to the official line at his property.

Property was acquired on both sides of Larch Street so that the City could relocate this street in accordance with the official plan. The amount paid was \$1200.00. Part of the lot on the west side has been sold to Mr. G. A. Redmond for \$500.00 and the lot on the east side to Mr. A. W. deGruchy for \$700.00.

Mr. A. C. Theakston asked for approval of the opening of a proposed street between Robie Street and Louisburg Street. Approval was granted provided Mr. Theakston will construct a sewer therein to the satisfaction of the City Engineer, the sewer if so constructed, to be a public sewer.

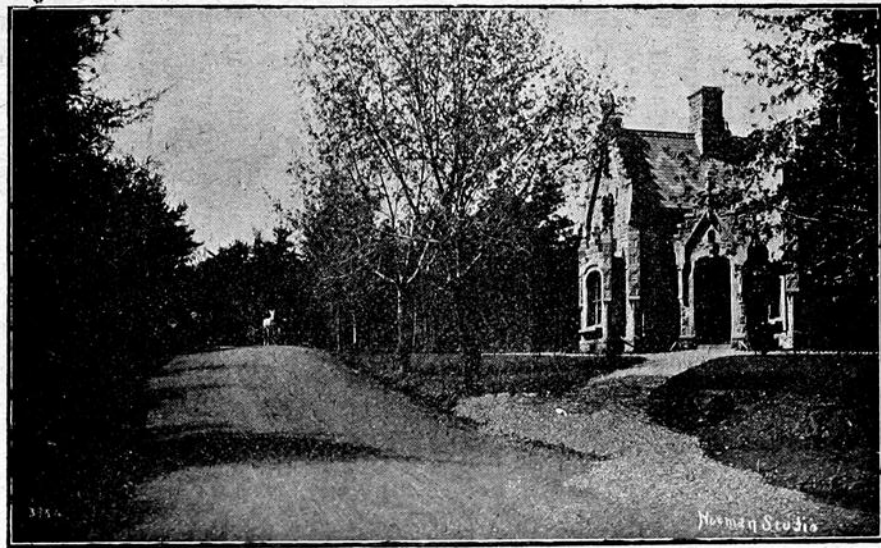
The re-numbering of Tower Road and Pleasant Street was ordered.

Repairs on tar concrete sidewalks cost \$1428.72.

SEWERS AND DRAINS.

Thirteen sewers were completed during the season the largest being on Agricola Street, north of Young Street to drain the greater part of Merkelsfield, and the Hennessey bog. The total length of sewers laid was 6120.33 feet and the average cost per foot \$5.55.

The length of sewers constructed under the Sewer Act from 1890 to 1909 inclusive, is 143,617 feet or 27 miles.



Point Pleasant Park Lodge.

Thirty-three new concrete catchpits were constructed and three reconstructed making the total 901.

Two hundred and twenty-eight permits were issued for laying cleaning or repairing drains.

The Plumbing Inspector reports approval of 545 applications for permission to do plumbing work—an increase of 123.

Seven hundred and ninety-one certificates for completion of work were issued. This work which had been neglected during Mr. O'Neill's illness was overtaken by Mr. J. E. Burns who was appointed Assistant Plumbing Inspector.

In June, after a competitive examination, Mr. Arthur Meagher was appointed Plumbing Inspector. He resigned in March and another examination resulted in the appointment of Mr. W. P. Morriscey.

The Board of Plumbing Examiners held eleven meetings. Eight applicants were examined, four of whom received permission to work for one year.

YALE STREET SEWER.

For some time the owners of property on Yale Street have been asking for a sewer but it could not be constructed as the only outlet was through Harvard Street which was beyond the reach of the Quinpool Road and Preston Street sewers. During the last year, the Council have expropriated a right of drainage through a lane running from the east end of Yale Street to Quinpool Road along the Monastery fence. The sewer will be constructed at once.

DEWOLFE'S WHARF OUTLET.

Messrs. T. A. S. DeWolfe & Sons complained that the discharge from the sewer had filled up their dock and asked to have the sewer extended and their dock dredged. The City Solicitor reported that the City was liable and DeWolfe's dock and the City dock were dredged by Beazley Bros., 940½ cubic yards being removed from the City dock and 2314½ yards from DeWolfe's dock.

INTERNAL HEALTH.

The amount expended in this service was divided generally as follows:—

Cleaning unpaved streets.....	\$7479 92
“ paved “	5500 00
“ catchpits.....	2277 00
Sprinkling.....	2096 25
Repairs, &c.....	748 55
Removal of ashes and garbage.....	3423 70

To the above should be added the cost of the work performed by the City teams in scavenging and sprinkling.

Tenders were invited for cleaning catchpits, the lowest being that of Robinson Bros., 95c. for each pit. This work had been costing the City by day's work about \$1.15 per pit. Adding to the price named in the tender the cost of dump men (which is included in the City figure) and inspection, the cost by contract would be about the same as by days work. It was decided that the work should be continued for this year by day's work.

PUBLIC BATHS.

The Beach bath was opened June 30th and closed September 5th. The number of bathers was,—male, 4,307, female, 741, total 5,048. The expenditure was \$359.27, receipts \$203.80.

CITY PROPERTY

The exterior of the new workshops, stores and stables was completed, and the interior of the stables. The horses, carriages, carts, &c., were moved up and the old stable vacated.

The Cathedral Committee (All Saints) purchased the four lots remaining on College Street, measuring about 37 feet by 126 feet for \$1000.00 each. They also obtained two more fifty feet lots on Morris Street Boulevard at a special price of \$3000. This figure makes a total of \$21,000.00 for the eight Boulevard lots sold to the Cathedral Committee or an average of \$2625.00 for each lot. Five of these lots are not disposed of.

The construction of the cement concrete walk along the east side

of the Grand Parade which has been delayed so long was ordered in March, and will be laid during the season.

At the meeting held on December 14th, 1909, the Council, after considering the proposed gift of "Sir Sandford Fleming Park," and the construction of a memorial tower thereon, passed the following resolution :—

RESOLVED, that when the property on the western side of the North West Arm of the Harbor of Halifax, lately conveyed in trust by Sir Sandford Fleming to his Honor the Lieutenant Governor of Nova Scotia shall be absolutely conveyed by deed of dedication in fee simple to the Corporation of the City of Halifax for the purposes of a public park (to be known as the "Sir Sandford Fleming Park,") so that the same shall be under the absolute control of the said City of Halifax and access to said property shall have been secured to the citizens of said City of Halifax both by land and water, by dedication to said City of Halifax of the road leading to said property known as "The Dingle Road," and by landing privileges at the wharf now existing on the northern side of said property. the said City of Halifax be authorized to borrow a sum of money equal to the amount granted by the Legislature of Nova Scotia for the purpose hereinafter expressed, but in no case to exceed the sum of two thousand five hundred dollars towards defraying the cost of a monument or tower upon said property (costing not less than \$20,000.00) commemorative of the 150th anniversary of the establishment of representative government in this Province,

And that the City Solicitor be instructed to prepare an Act for presentation at the ensuing session of the Legislature of this Province enabling the City to carry out the provisions of this resolution.

A request having been presented to the Council for the conveyance of the City Yard on Kempt Road to the Anderson Manufacturing Company, the City Engineer submitted the following report :—

CITY ENGINEER'S OFFICE, June 8th, 1909.

His Worship the Mayor :

Sir,—As I understand that it has been proposed that the City should give the Anderson Chair Company the City yard between Kempt Road and Longard Road north of Young Street as a site for their proposed factory, I feel that it is my duty to point out as strongly as I can the necessity for the

City retaining the land in the interest of the Works Department. I do not do so with any desire to hamper the Anderson Chair Company, as I would do anything in my power to increase the number of such industries in the City. It does not, however, need the sacrifice of City interests or City property to give them a site. The Hennessey property lying east of the City yard is vacant, except for two old houses on the extreme east end of it, and it is a most desirable site for manufacturing purposes. It might be argued that the City could acquire this property when it needs it for its own purposes. If, however, it were not secured at once, it might be built upon as there is a sewer and water pipe on two sides of it, and after building lots are sold and houses erected it would be very expensive to acquire it. If the City desires to give the Anderson Co., a site, there is nothing to prevent the purchase of a portion of the Hennessey property or some other property that may be suitable; but I must urgently protest against parting with any portion of the only piece of property in the north end of any value which the Works Department owns. If it is necessary a right-of-way for a railway siding could be given across the property to reach the Hennessey property or any other property in the neighborhood. Every argument that can be used in favor of handing the site over to the Anderson Chair Factory is equally strong in favour of the City holding it. Several years ago the land was purchased by the then Board of Works believing that it would be absolutely necessary to own such a property in the future. It is the only accessible property owned by the City into which a railway siding is run or can be run. In the future, by proper cheap storage buildings, bricks, cement, drain pipe, water pipe, coal, lumber, flag stones, and similar material can be delivered by rail in the City yard, thus saving one truckage. At present we have to truck to the yard on Bell Road and make a second truckage when the material is used. When plans were made for the proposed City electric light plant this ground was selected as one suitable for the location because coal could be delivered by rail. The buildings, coal sheds, trestles, etc., will take up considerable area. If a pumping station is ever installed on the water system it should be located where the 27 inch main crosses this property at Kempt Road, as any supply coming in from the North, for instance, from Birch Cove or Pockwock Lake, will come in Kempt Road. A pumping station with coal sheds, trestles, etc., will require considerable area. The storage of material and use of the property as a City yard will also require a considerable area. The number of places of deposit for garbage have been decreasing until at present the Exhibition grounds are the only location in which the City Health Board and householders will permit garbage to be dumped. The hollow at the Exhibition grounds will be filled in a comparatively short time and it is probable that within two years steps must be taken to construct an incinerator for the disposal of garbage and night soil. In fact, the disposal of the latter material should be by burning at present. The present method of disposal is very objectionable. This piece of land would provide accommodation for an incinerator and the necessary adjuncts. If the City should build an abattoir it is also a possibility that this site

CITY ENGINEER'S REPORT.

would be a very desirable location as beef can be brought in by rail, and the water supply is there, and owing to the difficulty of finding a water site location that would be suitable it is almost certain that it would have to be located on this land. In addition to the purposes mentioned, the yard will no doubt continue to be used for breaking stone during the winter. It will thereby be evident that this piece of land will be absolutely necessary for the City in the near future, and in any case it will be required for an incinerator within three years.

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

ELECTRIC WORK.

The usual investigations and tests to discover conditions which would cause electrolysis were made by the City Electrician. His report attached also shows the work done in connection with electric wiring.

BUILDINGS.

1908-09 Total number of permits.....608 Total value...\$952,410
 1909-10 " "557 " \$538,280

NEW BUILDINGS.			ALTERATIONS, ADDITIONS, &C.		
Month.	No.	Value.	Month.	No.	Value.
May	21	\$ 81,400	May	68	\$15,060
June	18	55,100	June	63	11,650
July	17	45,350	July	29	3,400
August	10	17,200	August	38	4,250
September	10	22,700	September	29	3,800
October	14	30,760	October	39	6,200
November	19	99,900	November	20	4,600
December	2	4,300	December	15	6,050
1910.			1910.		
January	7	25,575	January	9	5,075
February	3	9,000	February	19	8,550
March	15	34,560	March	24	9,100
April	13	20,600	April	55	14,100
	149	\$446,445		408	\$91,835

Violations of the law reported to the City Solicitor for 1909-1910 :—

Date of Report.	OWNER.	LOCATION.	VIOLATION.
1909.			
July 29.	Margaret Kelly....	Beech Street.....	No permit or deafening.
Sept. 7.	C. W. Nickerson..	Quinpool Road....	No deafening.
" 7.	L. A. Dolan.....	North Street.....	Deafening covered without inspection.
" 22.	R. A. Corbin....	Oak Street.....	Erecting building without permit, and contrary to Building Act.
" 27.	G. A. Wooten....	Sackville Street...	Gallery and roof in Acker's Theatre unsafe.
Oct. 6..	George C. Cook....	Up. Water Street.	Elevator and floors in building south side of Power's Wharf not in accordance with the Building Act.
Dec. 11.	R. A. Corbin.....	Oak Street.....	Erected new building without permit, and contrary to Building Act. (Second report).
1910.			
Feb. 11.	James Dent.....	York Street.....	Deafening not inspected.
" 11.	Dept. Militia & Def.	Spring Garden Rd.	Wooden addition in brick district.
" 11.	George C. Cook...	Up. Water Street.	Elevator and floors in building south side of Power's Wharf not in accordance with Building Act. (Second report).
" 17.	Geo. Perrier.....	Granville Street...	Erecting wooden stairway not in accordance with the Building Act.
April 1.	Robt. McAldin....	Agricola Street....	Deafening not inspected.
" 1.	A. C. Collins.....	Brussels Street....	Deafening not inspected.

EXPENDITURE

The report of the Clerk of Works shows the totals:—

Water Maintenance.....	\$91,114 62
Water Construction.....	58,943 53
Sewer Construction.....	39,326 63
Sewer Maintenance.....	1,720 54
Streets.....	32,576 42
Sidewalks.....	24,956 87
Internal Health, Street cleaning, scavenging, etc...	19,216 24
Patrol Cleaning paved streets.....	5,500 00
Street Lighting.....	22,946 98
City Hall Lighting.....	848 92
Teams and Stables.....	7,119 73
City Property.....	2,515 75

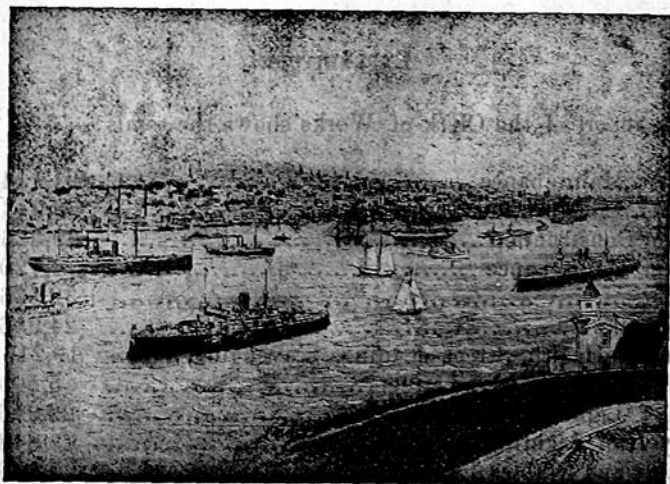
Fire Insurance.....	813 25
Fuel City Hall.....	1,098 20
Baths.....	403 80
Telephones.....	338 24
Electric Wiring Inspection.....	399 99
Workshops.....	3,700 00
	\$313,539 81
Increase in expenditure over 1908.....	16,529 98
Total labor payroll.....	122,182 57
Increase over 1908.....	10,761 75

The usual reports and statements are appended.

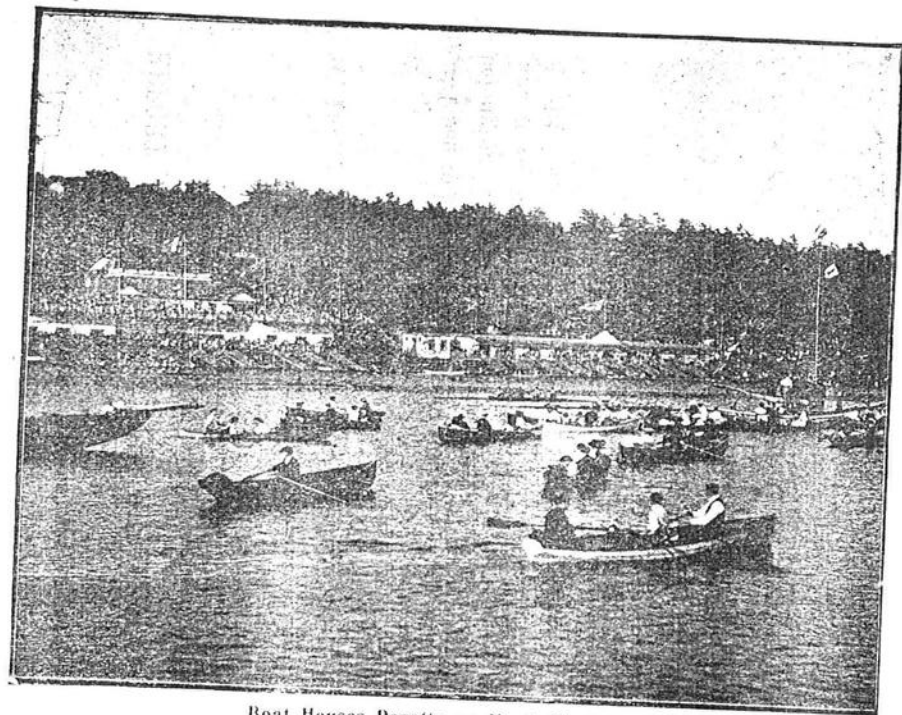
Respectfully submitted,

F. W. W. DOANE,

City Engineer.



Halifax City and Harbor.



Boat Houses Regatta on North West Arm.

REPORT FOREMAN OF WATER DEPARTMENT.

HALIFAX, N. S., April 30th, 1910.

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

SIR,—I beg to submit for your information the annual report of stock belonging to the Water Department, length of mains laid, re-laid and re-cleaned, also service pipes laid, with location of houses supplied with water during the year 1909.

Respectfully submitted,

E. MORRISON,
Foreman Water Department.

New Mains Laid in 1909.

STREET.	FROM	To	High or Low Service.	CAST IRON MAIN PIPE.				Joints.	No. of Valves.	HYDRANTS.		COST PER FOOT IN CENTS.						Total Cost.
				4 in. Pipe—feet.	6 in. Pipe—feet.	9 in. Pipe—feet.	12 in. Pipe—feet.			Length of Pipe—feet.	Size of Pipe—Inches.	Number.	Percentage of Rock.	Pipes and Specials.	Valves and Hydrants.	Labor and Cartage.	Lead and Gasket.		Dynamite and Fuse.	Total.
Acadia	Kenny	155ft. North	H	155				T&B.	1		5	60.0	12.9	98.2	.9	2.2	174.2	\$ 270 06
Agricola	Macara	West Young	H		700			"	1	9	20	92.3	15.7	107.5	1.7	1.6	218.8	1551 69
Allen	Chebucto Lane	Harvard	H	1007				"	1	31	2	60.9	20.5	12.8	1.8	.2	96.2	998 56
Brussels	Atlantic	600ft. North	L	600				"	1	6	2	61.1	3.3	35.4	.5		100.3	601 80
Chebucto Road.	Oxford	723ft. West	H	728				"	3	34	2	62.6	30.6	178.5	3.0	5.6	280.3	2136 88
Duke	9 in. main Water	West side Water	L		46			"	1			129.3	47.8	183.2	65.2		425.5	195 73
Henry	N. End pipe	South side Binney	H	360				"	1			60.0		38.7			98.7	355 29
Kenny	Gottingen	872ft. East	H	872				"	1	19	6	60.7	12.1	62.1	1.7	.3	136.9	1219 90
King's Place	End of pipe	96ft. North	H	96				"	1			60.0		27.8			87.8	84 29
Lilac	Coburg Road	292ft. North	H					"	1		100	65.1	6.9	172.0	1.7	5.6	251.3	733 79
Linden	W. end of pipe	27ft. West	H	27				"	1			42.0		81.1	2.8		125.9	34 00
Livingston	Agricola	Longard Road	H	500				"	1			60.0	4.0	53.3	.8		118.1	590 47
Longard Road.	Kane	Columbus	H	973				"	3	13	6	63.2	13.0	48.4	1.7	.1	126.4	1222 86
Morris	Summer	175ft. West	H	175				"	1		10	60.0	11.4	109.0	1.0		181.4	317 45
North	Chebucto Road	196ft. East	H	196				"	1		90	62.4	10.2	171.2	1.4	0.7	254.9	499 60
North	Windsor	486ft. East to connect.	H		*486			"	1	14	6	95.4	39.7	120.0	4.4	2.5	262.0	1310 00
Oxford	E. of 6in., opp. Payzant's	387ft. North	H			387		"			100	121.2		233.8	.5	8.4	363.9	1408 29
Parker	End of pipe	156ft. North	H	156	292			"	1		25	42.0		82.5	1.6	2.0	128.1	199 86
St. Alban's	Kempt Road	King's Place	H		228			"	1	11	6	61.9	44.5	45.3	3.8		155.5	371 65
Walker	Almon	290ft. South	H	290				"	1		5	43.1	5.5	39.6	.7	.3	89.2	258 62
Waterloo	South	516ft. South	H		516			"	1	12	6	62.1	21.2	61.3	.1	.7	145.4	767 71
Total				473	6698	1232	387		20	143	11	11						

*270 ft. of 6 in. pipe taken up and replaced with 9 in.

Street Mains Replaced with Larger Pipe, 1909.

Street.	LOCATION.		Size inches.		Length in feet.	Cost.
	From	To	Old.	New.		
✓ Duke . . .	W side Barrington..	W side Argyle....	6	9	185	\$ 538 00 ✓
✓ Gerrish ..	Brunswick	Gottingen.....	6	12	570	} 2478 47 ✓
" "	Lockman	Brunswick	9	} 12	340	
" "	"	"	3			
North . . .	Windsor	Eastwardly	6	9	270	} 1434 02 ✓
Proctor . .	W side Barrington..	Brunswick	6	} 12	457	
" "	E " " "	" " " "	3			
" "	" " " "	Water	6			
" "	" " " "	" " " "	3			
					1822	\$4450 49*

* Does not include cost of replacing main on North Street.

Total Length of Cast Iron Water Mains in the Water Supply System in the City of Halifax.

	SIZE OF PIPE IN INCHES.										Total length in feet.	
	27	24	20	15	12	9	8	6	4	3		Less than 3
Length on 31 Dec. 1908.	14,560	20,524	6,732	44,236	37,749	47,138	663	150,707	34,472	30,466	898	388,125
Laid during 1909. ....	.....	.....	.....	.....	1,754	1,417	.....	6,698	473	.....	.....	10,342
Taken up during 1909. ....	.....	.....	.....	.....	.....	340	.....	1,482	.....	797	.....	2,619
Hydrant pipes 1909 ....	.....	.....	.....	.....	.....	.....	.....	145	.....	.....	.....	145
Total 31st Dec. 1909.	14,560	20,524	6,732	44,236	39,503	48,215	663	156,068	34,945	29,669	898	395,993

Equal to $74\frac{2}{3}\frac{273}{880}$ miles.

N. B.—Pipe from main to hydrants (except on wharves) laid previous to 1897 not included in above summary.

Pipe Cleaning by Mechanical Scrapers.

DATE. 1909.	LOCATION.			Dia. of pipe—in.	Length cleaned in feet.	Cost.	REMARKS.
	From	To					
June 2..	Gottingen	Gerrish	North....	6	1430	\$ 9 92	Recleaned.
8..	High Service Main	Spruce Hill Lake	Hatch box	20	6712	} 19 44	"
8..	" " "	" " "	Robie St.	15	29623		
Sept. 16.	" " "	Spruce Hill Lake	Hatch box	20	6712	} 21 32	"
16.	" " "	" " "	Robie St.	15	29623		
Total.....				74110	\$50 68		

Length of Service Pipes Laid during 1909.

SIZE.	$\frac{1}{2}$ " feet.	$\frac{3}{4}$ " feet.	1" feet.	1 $\frac{1}{2}$ " feet.	2" feet.	3" feet.	4" feet.	6" feet.	Total Length in feet.
New	5911	421	.....	26	223	27	148	36	6823
Renewed ...	2835	22	39	.....	.....	.....	.....	.....	2896

New Hydrants.

STREET.	LOCATION.	Design.	Service.	Size of Pipe in Feet	Length of Pipe Feet.	No. of Nozzles.	Distance Valve from Hydrant.	Cost.
Agricola.....	Cor. Sullivan.....	City.	H.	6	9.0	3	8.0	\$108.78
Allan	Opp. Lane west of Monastery	"	"	6	16.0	3	10.7	127.62
Allan	Cor. Harvard	"	"	6	15.8	3	10.8	131.88
Chebucto Rd.	Opp. Beech	"	"	6	9.0	3	5.9	119.60
Chebucto Rd.	Cor. Oxford.....	"	"	6	25.0	3	20.9	141.45
Kenny	Opp. Acadia	"	"	6	19.0	3	10.2	120.82
Longard Rd..	Cor. Livingston	"	"	6	13.6	3	7.7	109.02
North	250 ft. E. of Windsor	"	"	6	6.8	3	5.0	125.40
North.....	246 ft. W. of Clifton.....	"	"	6	7.6	3	4.2	112.41
St. Alban ...	Cor. King's Place.....	"	"	6	11.0	3	5.4	111.91
Waterloo....	290 ft. S. of South.....	"	"	6	12.6	3	8.1	134.26
West	Cor. Maynard	"	"	6	12.0	3	6.9	161.63

Old Hydrants Replaced with Frost Jacket Hydrants.

STREET.	LOCATION.	Design.	Service.	Size of Pipe in Feet.	Length of Pipe in Feet.	No. of Nozzles.	Distance Val. from Hydrant	Cost.
Gottingen ...	Opp. Bloomfield	City.	H.	6	3.6	3	3.3	\$113.04
Gottingen ...	Opp. Almon	"	"	6	5.0	3	6.4	113.16
Gottingen ...	Opp. Macara	"	"	6	10.0	3	3.9	114.92
Proctor	Cor. Water	"	L.	6	.....	3	3.6	.....
Victoria Lane	Cor. S. Hollis	"	"	6	3	none	94.74

Hydrant Removed.

Maynard ...	North of West
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Summary of Hydrants.

No. of Hydrants in Streets	December 31, 1908	392
"	" Wharves December 31, 1908	20
"	" Military and Naval Property	20
"	" Private Property	13
"	" Use Dec. 31, 1908	445
"	" set on Streets in 1909	12
"	" removed from Streets in 1909	1
"	" in use Dec. 31, 1909	456

Valves Set during 1909. ON MAINS.

STREET.	LOCATION.	Size.	Service.
Acadia	N. line Kenny St., 33' 9" from N. W. corner	6	H.
Agricola	N. line Macara St., 22' 8" from N. E. corner.	9	H.
Allan	E. line Howard St., 5' 5" E. from centre of sewer M. H.	6	H.
"	E. line Monastery Lane, 30' 0" from S. line of St.	6	H.
Brunswick	N. line Gerrish St., 40' 0" from N. W. cor.	12	L.
Brussels	N. line Atlantic St., 28' 8" from N. W. cor.	6	L.
Chebucto Road	E. line Oxford St., 26' 2" from S. E. corner	6	H.
"	W. line Oxford St., (1' 10" W. of) 24' 2" from N. W. corner.	6	H.
"	E. line Beech St., 20' 8" from N. line of St.	6	H.
Cunard Court	At Proctor St., 29' 0" from S. E. corner, 4' 1" from S. W.	1½	L.
Duke	W. line Water St., 6' 11" to W. side, 9' 10" from fire plug.	9	L.
Gottingen	N. line Uniacke St., 14' 10" from N. E. cor	6	H.
Kenny	E. line Gottingen St. (1' 3" E. of) 32' 10" from S. E. corner.	6	H.
Lilac	N. line Coburg Road, 23' 10" from N. E. corner	6	H.
Livingston	W. line Agricola St., 26' 6" from N. line of St	6	H.
Longard	N. line Livingston St., 23' 4" from N. E. corner, (steps)	6	H.
"	S. line Livingston St., 22' 6" from S. E. corner.	6	H.
Morris	W. line Summer St., 25' 3" from N. W. cor.	6	H.
North	W. side Kline 19' 0" from N. side of St. 23' 2" W of W. line house No.	6	H.
"	W. line Clifton St., 20' 7" from N. W. cor.	9	H.
Proctor	W. line Barrington St. (2' 10" W. of) 14' 6" from N. W. corner	12	L.
St. Alban	W. line Kempt Rd., (1' 6" E. of) 25' 0" from N. W. corner.	6	H.
Walker	S. Line Almon St., 25' 0" from S. E. corner.	4	H.
Waterloo	S. line South St., 13' 9" from S. W. corner.	6	H.

VALVES RENEWED.

		Old.	
Gerrish	E. line Brunswick St., 18' 3" from S. E. corner	9	12 L.
"	W. line Brunswick St., 18' 6" from S. W. corner	6	12 L.
"	E. line Gottingen St., 31' 0" from N. E. corner	6	12 L.
Proctor	W. line Water (0' 6" E. of) 14' 9" from N. W. corner	6	12 L.
"	E. line Brunswick St., (1' 0" W. of) 14' 10" from N. E. corner.	6	12 L.

VALVES SET DURING 1909.—(Continued.)

STREET.	LOCATION.	Size.	Service.
VALVES REMOVED.			
Gerrish.....	E. line Brunswick St.....	3	L.
".....	W. line Lockman St.....	3	L.
Proctor.....	E. line Water St.....	3	L.
".....	W. line Brunswick St.....	3	L.

ON HYDRANTS.

Agricola.....	At Sullivan St., 3' 0" from hydrant.....	6	H.
Allan.....	Monastery Lane 10' 7" ".....	6	H.
Allan.....	Harvard St., 10' 8" ".....	6	H.
Chebucto Road.....	Oxford.....	6	H.
Chebucto Road.....	Beech St., 5' 9" ".....	6	H.
Duke.....	Water St., 6' 5" ".....	6	L.
Duke.....	Barrington St., 5' 0" ".....	6	L.
Gerrish.....	Brunswick St., 23' 0" ".....	6	L.
Gerrish.....	Maitland St., 22' 3" ".....	6	L.
Gottingen.....	Bloomfield St., 3' 3" ".....	6	H.
Gottingen.....	Almon St., 6' 4" ".....	6	H.
Gottingen.....	Macara St., 3' 9" ".....	6	H.
Kenney.....	Acadia St., 10' 2" ".....	6	H.
Longard Road.....	Livingston St., 7' 7" ".....	6	H.
North.....	250 E. of Windsor St. 5' 0" ".....	6	H.
North.....	260 W. of Clifton St., 4' 2" ".....	6	H.
Proctor.....	Cunard Court, 3' 1" ".....	6	L.
Proctor.....	Water St., 3' 6" ".....	6	L.
St. Alban.....	Kings Place 5' 4" ".....	6	H.
Waterloo.....	286 S. of South St., 8' 10" ".....	6	H.
West.....	Maynard St., 6' 9" ".....	6	H.

Total Number of Valves.

	HYDRANT VALVES.											TOTAL.				
	27".	24".	20".	15".	12".	9".	6".	4".	3".	1 1/2".			6".	4".		
										1 1/2".	1 1/4".				1".	
In use 31st Dec. 1908	1	8	2	29	58	76	367	110	112	1	9	2	11	110	1	383
Set in 1909.....					7	3	17	1				1		21		50
Removed in 1909.....						1	4		4							9
In use 31st Dec. 1909	1	8	2	29	65	78	380	111	108	2	9	2	11	131	1	924

Stock on Hand December 31st, 1909.

DESCRIPTION.	Length of each in feet.	No of pieces.	Diameter in inches.	Weight of one in lbs.	Total weight.	Value in cents per lb.	Total value.
Cast iron pipe, T. & B. Class A.....	12	2	27	2870	5740	1 $\frac{1}{2}$	\$ 100 44
“ “ “ “ B.....	12	3	27	3206	9618	“	168 31
“ “ “ “ C.....	12	1	27	3658	3658	“	64 01
“ “	6	24	2360	14160	“	242 80	
“ “	4	20	1263	5052	2 $\frac{1}{4}$	113 67	
“ “	6	15	1200	7200	“	162 00	
“ “	12	584	12	968	565312	1 $\frac{3}{4}$	9892 96
“ “	12	99	9	680	67320	“	1178 10
“ “	9	14	10	550	7700	“	134 75
“ “ (old).....	9	69	9	500	34500	“	603 75
“ “	2	8	386	772	2 $\frac{1}{2}$	17 37	
“ “	278	6	378	105084	“	2564 39	
“ “	18	5	222	3966	“	89 91	
“ “	9	645	4	156	100622	“	2263 95
“ “	12	31	4	202	6262	“	140 89
“ “	9	54	3	140	7560	“	170 10
Service pipes	90	50	26	2340	“	52 62	
“ “ plates.....	8	12	96	“	“	2 16	
“ “ caps.....	6	318	“	“	“	7 15	
“ “ thimbles.....	144	2	288	“	“	6 48	
“ “ sleeves.....	300	22	6600	“	“	148 50	
Sleeves for Valves.....	10	34	340	“	“	7 65	
Plates for Valves.....	40	54	2160	“	“	48 60	
Cast Iron Thimbles.....	11	27	630	6930	“	153 92	
“ Bell Mouth.....	2	27	831	1662	“	37 39	
“ Bevel Collars.....	13	27	795	10335	“	210 05	
“ Pipe, Plain Specials, Class A.....	2	1	27	404	404	1 $\frac{3}{4}$	7 04
“ “ “ “ R.....	2	1	27	460	460	“	8 05
“ “ “ “ B.....	3	1	27	700	700	“	12 25
“ “ “ “ B.....	4	1	27	920	920	“	16 10
“ “ “ “ B.....	5	1	27	1248	1248	“	21 84
“ “ “ “ B.....	6	2	27	1360	2720	“	47 20
“ “ “ “ C.....	3	2	27	820	1640	“	28 70
“ “ “ “ C.....	4	1	27	1068	1068	“	18 69
“ “ “ “ C.....	5	1	27	1332	1332	“	23 31
“ Saddles, 6"x27".....	2	27	70	140	3	4 20	
“ Bevel Collars.....	1	24	688	688	2 $\frac{1}{2}$	15 48	
“ Thimbles.....	9	24	396	3564	“	80 19	
Saddles 6"x24".....	2	24	70	140	3	4 20	

STOCK ON HAND DECEMBER 31ST, 1909.—(Continued.)

DESCRIPTION.	Length of each in feet.	No. of pieces.	Diameter in inches.	Weight of one in lbs.	Total weight.	Value in cents per lb.	Total value.
Cap.....		1	24	290	290	2 $\frac{1}{4}$	\$ 6 52
Split Thimbles.....		6	24	620	3720	2 $\frac{1}{3}$	93 00
Thimbles.....		4	20	230	920	2 $\frac{1}{4}$	20 07
Split Thimbles.....		1	20	453	453	2 $\frac{1}{4}$	11 32
Four-way branches.....		3	15	896	2688	2 $\frac{1}{4}$	60 48
“ “ 6"x15".....		3	15	660	1980	“	44 55
Three-way “ 6"x15".....		1	15	812	812	“	18 27
Y's.....		2	15	1112	2224	“	50 04
Three-way branches 6"x12"x15".....		1	15	580	580	“	13 05
Thimbles.....		3	15	234	602	“	13 54

Pipe—Specials.

No. of Pieces, Diameter in inches.	DESCRIPTION.	Weight of one in lbs.	Total Weight.	Value per lb. in cents.	Total Value.
1 15	Reducing to 6"	400	400	2 $\frac{1}{2}$	\$ 9 00
5 15	Split Thimbles	260	1300	2 $\frac{1}{2}$	32 50
5 15	Saddles 15x6"	67	335	2 $\frac{1}{2}$	7 54
6 15	Saddles 15x3"	55	330	2 $\frac{1}{2}$	6 82
4 12	Four-way Branches 12x12"	615	2460	2 $\frac{1}{2}$	61 50
3 12	Four-way Branches 12x9"	500	1500	2 $\frac{1}{2}$	37 50
5 12	Four-way Branches 12x6"	475	2375	2 $\frac{1}{2}$	59 37
2 12	Four-way Branches 12x4"	425	850	2 $\frac{1}{2}$	21 25
3 12	Three-way Branches 12x12"	424	1272	2 $\frac{1}{2}$	31 75
1 12	Three-way Branches 12x9"	500	500	2 $\frac{1}{2}$	12 50
6 12	Three-way Branches 12x6"	490	2940	2 $\frac{1}{2}$	73 50
1 12	Three-way Branches 12x9x6"	500	500	2 $\frac{1}{2}$	12 50
2 12	Three-way Branches 12x4"	424	848	2 $\frac{1}{2}$	21 20
4 12	Reducing to 9"	240	960	2 $\frac{1}{2}$	24 00
4 12	Reducing to 6"	200	800	2 $\frac{1}{2}$	20 00
2 12	Reducing to 6", with faucets	200	400	2 $\frac{1}{2}$	10 00
11 12	Thimbles	180	1980	2 $\frac{1}{2}$	49 50
1 12	Cap	45	45	2 $\frac{1}{2}$	1 12
1 12	Saddle 12x4"	45	45	3	1 35
1 12	Saddle 12x2"	43	43	3	1 29
8 12	Split Thimbles	222	1776	2 $\frac{1}{2}$	44 40
2 9	Six-way Branches 9x9x9x3"	450	900	2 $\frac{1}{2}$	22 50
3 9	Four-way Branches 9x9x6x6"	400	1200	2 $\frac{1}{2}$	30 00
4 9	Three-way Branches 9x9x6"	335	1340	2 $\frac{1}{2}$	33 50
2 9	Three-way Branches 9x9x9"	355	710	3	17 75
8 9	Reducing to 6"	157	956	3	23 88
4 9	Saddles 9x6"	45	180	3	5 40
1 9	Saddle 9x3"	40	40	2 $\frac{1}{2}$	1 20
5 9	Thimbles	112	560	3	16 80
14 9	Split Thimbles	139	1946	2 $\frac{1}{2}$	48 65
1 9	Cap	34	34	2 $\frac{1}{2}$	85
8 6	Four-way Branches	255	2140	2 $\frac{1}{2}$	51 00
5 6	Three-way Branches	209	1045	2 $\frac{1}{2}$	26 12
2 6	Three-way Branches 6x3" short	131	262	2 $\frac{1}{2}$	6 55
5 6	Reducing to 4"	114	570	2 $\frac{1}{2}$	14 25
9 6	Reducing to 3" with faucets	100	900	2 $\frac{1}{2}$	22 50
10 6	Offsets	140	1400	2 $\frac{1}{2}$	35 00
5 6	Thimbles	75	375	2 $\frac{1}{2}$	9 37
5 6	Split Thimbles	92	460	2 $\frac{1}{2}$	11 50

PIPE SPECIALS.—(Continued).

No. of Pieces. Diameter in inches.	DESCRIPTION.	Weight of one in lbs.	Total Weight.	Value per lb. in cents.	Total Value.
4 6	Y Branches	209	836	21 ³ / ₄	\$20 90
8 6	Bends	140	1120	2 ¹ / ₄	25 20
1 6	Cap	19	19	2 ¹ / ₄	43
9 5	Caps for main stopcocks	16	304	2 ¹ / ₄	6 83
21 4	Four-way Branches	123	2583	2 ¹ / ₄	58 12
10 4	Three-way Branches	114	1140	2 ¹ / ₄	25 65
5 4	Y Branches	96	480	2 ¹ / ₄	10 80
2 5	Reducing to 3"	84	168	2 ¹ / ₄	3 60
1 4	Reducing to 3" with faucet	90	90	2 ¹ / ₄	2 02
4 4	Offsets	66	264	2 ¹ / ₄	5 94
30 4	Thimbles	29	870	2 ¹ / ₄	19 57
2 4	Split Thimbles	64	128	2 ¹ / ₄	2 88
7 3	Crosses	90	630	2 ¹ / ₂	14 17
3 3	Three-way Branches	60	180	2 ¹ / ₄	4 05
4 3	Thimbles	29	116	2 ¹ / ₄	2 61
22 3	Split Thimbles	48	1056	2 ¹ / ₄	23 76
4 2	Three-way Branches	30	60	2 ¹ / ₃	1 35
2 2	Ys	23	46	.....	1 03
4 ...	Fire Hydrants, with jackets .....	.....	.....	.....	266 00
6 ...	Fire Hydrants, old style .....	.....	.....	.....	240 00
1 ...	Castings for fire hydrants	418	418	3	12 54
1 ...	Jackets for fire hydrants	340	340	3	10 20
7 ...	Extension pieces for fire plugs	124	868	3	26 04
6 ...	Cast-iron caps for suction hose	8	48	3	1 44
2 ...	Domestic hydrants	11	.....	.....	21 00
9 ...	Cast-iron boxes for top of rods in hydrants	11	99	3	2 97
6 ...	Setts of brass fittings for fire hydrants .....	.....	.....	.....	72 00
1 ...	Base for fire hydrant, 6x3"	150	150	3	4 50
... ..	Tin Tubing .....	.....	200	33	66 00
			1053676	.....	\$21087 03

Valves.

No. of Pieces.	Diameter in Inches.	DESCRIPTION.	Weight of one in lbs.	Weight of whole.	Value of each.	Total value.
1	12	Regulating valve				\$206 66
1	6	“ “				103 33
2	15	Stopcocks			\$66 00	120 00
9	12	“			40 00	360 00
4	9	“			25 77	103 08
11	6	“			20 00	220 00
20	4	“			17 00	340 00
4	3	“			16 00	60 00
1	1 1/4	Service stopcocks			3 00	3 00
22	1	“			2 50	55 00
39	3/4	“			2 00	78 00
36	1/2	“			1 50	54 00
97	3/8	“ curb			1 50	145 50
5	15	Gun Metal Spindles	28	140	60	84 00
1	12	“ “	19	19	60	11 40
3	9	“ “	14	42	60	25 20
4	6	“ “	9	36	60	21 60
3	4	“ “	6	18	60	10 80
7	3	“ “	5	35	60	21 00
270						\$2022 57

Rented Domestic Hydrants.

STREET.	LOCATION.
Cedar	N. E. Corner Louisburg St.
Duffus	S. E. " Gottingen Street.
Duncan	N. E. " Harvard Street.
Mott	N. W. " Seldon Street.
Oak	S. E. " Beech Street.
Preston	S. W. " Jubilee Road.
Sullivan	Opp. Oland's Brewery.
Tower Road	S. W. Corner Fay's Lane.

Free Pumps Maintained by City.

STREET.	LOCATION.
Campbell Road	Africville.
Chebucto Road	West of Beech Street.
Duffus Street	Opposite Grove Church.
Lady Hammond Road	W. of Longard Road.
North Kline Street	N. of Chebucto Road.
Quinn Street	N. of Quinpool Road.
West Harvey Street	E. of Oxford Street.

Hydraulic Hoists.

STREET.	LOCATION.	Size.
Barrington Street	G. M. Smith, No.	4 inch.
Hollis Street	Appraisers' No.	3 "
Sackville Street	Dillon Bros.	3 "

Hydraulic Motors.

Brunswick Street	Methodist Church	2 inch.
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Public Drinking Fountains.

No.	LOCATION.
Bedford Row	Market Square.
North Park Street	S. W. Corner Cogswell Street.
Public Gardens	Near Spring Garden Road.
Public Gardens	Near South Park Street.
St. Paul's Street	N. Corner Barrington Street.

Ornamental Fountains.

No.	LOCATION.
Grand Parade	Opposite George Street.
Public Gardens	Victoria Jubilee.
"	South African Memorial.
"	S. E. Corner.

Service Pipes Laid 1909.

Name.	Name of Owner or Agent.	Location of Premises.	No of Stopcock. Size of Pipe.	Purpose for which Water is used.
1	David Gray	S. side South	7422	Dwelling.
2	James Hutt	S. side Yale	7423	"
3	Robt. McDonald	S. side Lawrence	7424	"
4	W. J. Foley	S. side North	7425	"
5	A. E. King	W. side Maynard	7426	"
6	"	"	7427	"
7	"	"	7428	"
8	"	"	7429	"
9	Thos. P. Sheridan	W. side Agricola	7430	"
10	E. A. Dockrill	W. side Windsor	7431	"
11	City Board of Works	S. side Bell Road	7432	Stables.
12	A E King	W. side Maynard	7433	Dwelling.
13	G. A J. Boak	W. side Alexandra	7434	"
14	Falconer & McDonald	W. side Tower Road	7435	"
15	"	"	7436	"
16	W. H. Havill	W. side Chestnut	7437	"
17	Elizabeth B. Penton	E. side Robie	7438	"
18	H. Tremaine	N. side Quinpool Road	7439	"
19	W. A. Black	E. side Young Ave	7440	"
20	J. C. Silliker	W. side Dublin	7441	"
21	Charles H Barnes	W side Lucknow	7442	"
22	W. A. Black	S side Atlantic	7443	Stables.
23	H. R. Way	N. side North	7444	Dwelling.
24	Elizabeth Swan	E. side Agricola	7445	"
25	A. Hefiler	W. side Veith	7446	"
26	John Ross	E. side LeMarchant	7447	Hot House.
27	R. T. Smith	W. side Henry	7448	Dwelling.
28	"	"	7449	"
29	F. A. Shaw	E. side Louisburg	7450	"
30	"	"	7451	"
31	Geo. C Kingston	E. side Dresden Row	7452	"
32	Mrs. Jas. Fraser	N. side Yale	7453	"
33	Jessie Fraser	"	7454	"
34	C E. Pass	W. side Edward	7455	"
35	Amelia Martin	W. side School	7456	"
36	John Delaney	N. side Summit	7457	"
37	John Calder	E. side Oxford	7458	"
38	C. W. Nickerson	S. side Quinpool Road	7459	"
39	I. Ring	W. side Franklyn.	7460	"
40	Clayton & Sons	W. side Brunswick	7461	"
41	North End City Mission	E. side Maynard	7462	City Mission.

SERVICE PIPES LAID, 1909.—(Continued).

Number.	Name of Owner or Agent.	Location of Premises.	Number of Stopcock.	Size of pipe.	Purposes for which water is used.
42	D Grant	W. side Windsor	7463	$\frac{1}{2}$	Dwelling.
43	Miss Godard	S. side Chebucto Road	7464	"	"
44	Thos. E. Hallett	S. side "	7465	"	"
45	Gordon Thomson	W. side Robie	7466	"	"
46	Walter Byers	W. side Waterloo	7467	"	"
47	George Lowe	W. side Waterloo	7468	"	"
48	Gray & Flinn	N. side Russell	7469	"	"
49	C B. Clarke	S. side Atlantic	7470	"	"
50	W. J. Ward	E. side Ma'nard	7471	"	"
51	Mary Vaughan	E. side Union	7472	"	"
52	Wm Simmons	N. side Roome	7473	"	"
53	D Grant	W. side Windsor	7474	"	"
54	John Welsh	E. side Agricola	7475	"	"
55	Donald Campbell	S. side Almon	7476	"	"
56	J. Murphy	W. side Young Avenue	7477	"	"
57	P. J. Gough	W. side Kempt Road	7478	"	Stables.
58	Joseph Wallace	E. side Brussels	7479	"	Dwelling.
59	G H. Budge	E. side Brussels	7480	"	"
60	S J. Harivel	W. side Clifton	7481	"	"
61	F. W. Hodgson	E. side Windsor	7482	"	Shop and dwelling.
62	R. C. McMann	N. side William	7483	"	Dwelling.
63	Mary Westhaver	E. side Agricola	7484	"	"
64	R. E. Mathers	S. side Morris	7485	"	"
65	J. F. Purcell	W. side Clifton	7486	"	"
66	F. McCarthy	W. side Vernon	7487	"	"
67	L. J. Fader	W. side Pleasant	7488	"	"
68	J. R. Wallace	N. side South	7489	"	Flats.
69	J. R. Wallace	N. side South	7490	"	"
70	Thos Bellfountain	W. side Seymour	7491	"	Dwelling.
71	Jas. H Gordon	E. side Henry	7492	"	"
72	P. Dwyer	E. side Campbell Road	7493	"	"
73	L. A. Dolan	S. side North	7494	"	"
74	E. A. McCurdy, Agent	W. side Franklyn	7495	"	"
75	E. D. Glenister	N. side Kenny	7496	"	"
76	Wm. Hamm	S. side "	7497	"	"
77	Samuel Orr	N. side "	7498	"	"
78	Samuel Orr	N. side "	7499	"	"
79	Samuel Orr	N. side "	7500	"	Printing factory.
80	E. A. Green	S. side "	7501	"	Dwelling.
81	John Campbell	N. side "	7502	"	"
82	D. McNeil	S. side Pepperell	7503	"	"
83	A. O. Johnston	N. side Duncan	7504	"	"
84	E. McInnes	E. side Young Avenue	7505	"	"
85	Geo. G. Dustan	W. side Seymour	7506	"	"
86	F. J. Kelly	E. side Parker	7507	"	"
87	J. E. Kelly	E. side "	7508	"	"

SERVICE PIPES LAID, 1909.—(Continued).

Number.	Name of Owner or Agent.	Location of Premises.	Number of Stopcocks	Size of Pipe.	Purpose for which water is used.
87	J. E. Kelly	E. side Parker	7508	$\frac{1}{2}$	Stable.
88	Gray & Flinn	W. side Seymour.....	7509	"	Dwelling.
89	G. C. Skinner	N. side Russell.....	7510	"	"
90	Mary M. Grant	W. side Veith	7511	"	"
91	Mr. Brown, Trustee	S. side Morris	7512	2	Children's Hospital
92	J. A. Kimber	S. side Livingstone	7513	$\frac{1}{2}$	Dwelling.
93	Alfred Crawley	S. side "	7514	"	"
94	H. Martin	S. side "	7515	"	"
95	"	S. side "	7516	"	"
96	E. A. Easingwood	N. side "	7517	"	"
97	Thos. Whiteway	N. side Longard Road....	7518	"	"
98	David Schwartz	E. " "	7519	"	"
199	J. J. Francis	E. " "	7520	"	"
100	J. A. Rasley	E. " "	7521	"	"
101	J. S. Parker	W. " "	7522	"	Saw Mill.
102	"	E. " "	7523	"	Dwelling.
103	"	E. " "	7524	"	"
104	J. J. Moulton	E. " "	7525	"	"
105	Thot. Aucoin	E. side Agricola	7526	"	"
106	Geo. L. Godard	E. side Longard Road....	7527	"	"
107	Margaret Morley	E. " "	7528	"	"
108	M. A. Crawley	E. " "	7529	"	"
109	Wm. Holland	E. " "	7530	"	"
110	Seth Smith	E. " "	7531	"	"
111	John O'Donnell.....	E. " "	7532	"	"
112	J. E. Doyle	E. " "	7533	"	"
113	A. Boudreau	E. " "	7534	"	"
114	E. D. King	E. " "	7535	"	Shop & Dwelling.
115	E. D. King	S. " Livingstone	7536	"	Dwelling.
116	John Baker	E. " Maynard	7537	"	"
117	C. H. Longard	S. " Kent	7538	"	"
118	E. Hartnett	E. " Windsor	7539	$\frac{3}{4}$	Shop & Flats.
119	"	E. " "	7540	$\frac{1}{2}$	Flats.
120	"	E. " "	7541	$\frac{1}{2}$	Flats.
121	J. H. Dawes	W. side Henry	7542	"	Dwelling.
122	H. H. Hubley	W. side Henry	7543	"	"
123	John A. Keefe	E. side Walker	7544	"	"
124	Neil McFarlane	W. side Walker	7545	"	"
125	Thos. Johnston	W. side King's Place	7546	"	"
126	E. M. Potts	E. side King's Place	7547	"	"
127	W. J. Bowie	S. side Linden	7548	"	"
128	E. E. Silliker	E. side Oxford	7549	"	"
129	A. Stevens	E. side Oxford	7550	"	"
130	N. B. Smith	W. side Oxford	7551	"	"
131	H. P. Storey	N. side Coburg road	7552	"	"

SERVICE PIPES LAID, 1909.—(Continued.)

Number.	Name of Owner or Agent.	Location of Premises.	Number of Stopcocks.	Size of Pipe.	Purpose for which water is used.
132	A. Lamphier	N. side Lawrence	7553	$\frac{1}{2}$	Dwelling.
133	R. C. Lea	E. side Alexandra	7554	"	"
134	"	E. " "	7555	"	"
135	"	E. " "	7556	"	"
136	A. Hunt	E. side Allan	7557	"	"
137	H. McC. Hart	N. side St Alban	7558	$1\frac{1}{2}$	Flats.
138	S. Craig	N. side Lawrence	7559	$\frac{1}{2}$	Dwellings.
139	— Higgins	S. side Allan	7560	"	"
140	Albert Marriott	N. " "	7561	"	"
141	Joshua Wonnacott	S. " "	7562	"	"
142	Mrs G. D Tigdwell	S. " "	7563	"	"
143	R. Bonnell	S. " "	7564	"	"
144	Geo. W. Tanner	S. " "	7565	"	"
145	H. W. Marshall	W. side Louisburg	7566	"	"
150	Samuel Smith	W. side Church	7567	"	"
151	C. D. Hogg	S. side Chebucto Road	7568	"	Stable.
152	G. C. Brushett	S. side Duncan	7569	"	Dwelling.
153	Wm. Glazebrook	W. side Kline	7570	"	"
154	Andrew C. Collins	E. side Brussels	7571	"	"
155	R. F. O'Brien	W. side Robie	7572	"	"
156	J. F. Lessell	E. side South Park	7573	"	"
157	M. Boleman	E. side Agricola	7574	"	"
158	M. Burke	S. side North	7575	"	"
159	T. H. Cosman	E. side Agricola	7576	"	"
160	George M. Williams	W. side Acadia	7577	"	"
161	Arch McFatrige	S. side Cornwallis	7578	"	" in rear.
162	Chas. Widgery	S. side Lawrence	7579	"	"
163	James E. Curren	W. side Robie	7580	"	Lot.
164	R. F. Westhaver	E. side Preston	7581	"	Shops.
165	Catherine Penny	E. side Seymour	7582	"	Dwelling.
166	Gray & Flinn	S. side South	7583	"	"
167	J. C. Yeadon	S. side Allan	7584	"	"
168	W. J. Ward	W. side Creighton	7585	"	"
169	W. F. O'Connor	N. side Coburg Road	7586	"	"
170	W. S. Cullen	N. side Allan	7587	"	"
171	E. Cronan & Morris	S. side Chebucto Road	7588	"	"
172	N. Evans	N. side North	7589	"	Stable.
173	N. Evans	N. side North	7590	$\frac{1}{2}$	Dwelling.
174	R. L. Martin	E. side Edward	7591	"	"
175	James Brooks	W. side Maitland	7592	"	"
176	James Brooks	W. side Maitland	7593	"	"
177	Thos. Brown, Trustee	W. side Tower Road	7594	$\frac{3}{4}$	Church.
178	Wm Orr	N. side Cabot	7595	$\frac{1}{2}$	Dwelling.
179	Grove Church Trustees	N. side Roome	7596	"	School building.
180	Matilda Sutherland	E. side Agricola	7597	"	Dwelling

SERVICE PIPE LAID, 1909.—(Continued.)

Number.	Name of Owner or Agent.	Location of Premises.	Number of Stopcocks.	Size of Pipe.	Purpose for which water is used.
181	Wm. Mabee.....	E. side “.....	7598	1	Dwelling.
182	J. W. Anstey.....	W. side “.....	7599	“	“
183	A. L. Levy.....	W. side “.....	7600	“	Stables.
184	James Hillis & Sons.....	E. side Veith.....	7601	“	“
185	S. P. Dumareq.....	W. side Oxford.....	7602	“	Dwelling.
186	Thomas Gregory.....	W. side Veruon.....	7603	“	“
187	Mrs G. Emmett.....	W. side Gottingen.....	7604	“	Shop & dwelling.
188	Robt. McA'din.....	E side Agricola.....	7605	“	Dweiling.
189	Geo. W. Nash.....	W. side Agricola.....	7606	“	“
190	F. W. Cartis.....	S side Allan.....	7607	“	“
191	W. W. Foster.....	N. side North.....	7608	“	“
192	P. J. Hartnett.....	N. side Chebucto Road.....	7609	“	Shop & Dwelling.
193	Martin Shepherd.....	N. side Livingstone.....	7610	“	Dwelling.
194	—— Company.....	N. side Fenwick.....	7611	3	Skating Rink.

Statement of Meters for Year ending April 30th. 1910.

Meters belonging to the Department April 30th, 1910	2371
Meters purchased during year	1405
Meters reclaimed during year	1

Total number of meters belonging to the department 30th April, 1910

Distributed as follows:—

In service	1298	
In store (new)	2304	
In store (old)	131	
In repair shop (old Siemen's Meters)	44	
Private Meters in service	2	
Total Meters in service		1300
New Meters set during the year		135
Meters discontinued		17
Meters changed		96
Cause—Testing	2	
Not registering	74	
Broken dial	1	
Leak at body	1	
Re-location	1	
Frozen and burst	15	
Replaced with smaller Meter	1	
Cog-wheel broken	1	
Meters tested		272
Repaired at Shop		86

	No.	Labour.	Material.	Total.
Repairs—New dial	1	.10	.05	.15
Cast Iron bottom	1	.10	.55	.65
Disc piston	3	1.00	2.55	3.55
Di-c spindle	5	.75	.75	1.50
Spindle change gear	1	.10	.05	.15
Gear train	2	.50	2.50	3.00
Brass spindle	3	.75	.....	.75
Bras cover	2	.50	.....	.50
Burst by frost	9	9.00	.....	9.00
Strained by frost	4	3.00	.....	3.00
Disc piston warped	3	1.25	.....	1.25
Disc Chamber strained	2	.75	.....	.75
Gear Train strained	5	1.90	.....	1.90
Worm wheel worn	3	.40	.....	.40
Defaced	1	.12	.25	.37
Hands broken	4	.50	.....	.50
Dial Plate bent	4	1.30	.....	1.30
Screws broken	3	.60	.....	.60
Bolts stripped	30	2.25	.....	2.25
	<u>86</u>	<u>\$24.87</u>	<u>\$6.70</u>	<u>\$31.57</u>
Repaired in service				18

	No.	Labour.	Material.	Total.
Repairs—Glass broken	4	.75	.30	\$1.05
Stuffing box leaking	7	.87	....	.87
Couplings leaking	1	.12	....	.12
Bottoms leaking	3	.50	....	.50
Defaced	1	.25	....	.25
Hands broken off	1	.12	.05	.17
Brass cap broken	1	.12	....	.12
	18	\$2.73	\$0.35	\$3.08
Removed during alterations to buildings				2
Removed on account of vacation of premises				1

Meters Owned by City April 30th, 1910.

	DIAMETER IN INCHES.										Totals.
	6"	4"	3"	2"	1½"	1¼"	1"	¾"	5/8"	½"	
Tridents	0	0	0	28	11	0	24	132	2383	0	2578
Lamberts	0	0	0	0	0	0	0	0	901	0	901
Siemens	11	17	43	8	5	10	28	32	0	129	283
Crown	0	0	0	0	0	0	1	2	1	0	4
Buffalo	0	0	0	0	0	0	0	0	2	0	2
Empire	0	0	0	0	0	0	0	0	0	1	1
Keystone	0	0	0	0	0	0	0	1	0	0	1
Hersey	0	0	0	0	0	0	0	0	0	1	1
Worthington	0	0	0	0	0	0	0	1	0	0	1
Nash	0	0	0	0	0	0	0	0	0	2	2
Disc	0	0	0	0	0	0	0	0	0	1	1
Standard	0	0	0	0	0	0	0	0	0	1	1
Niagara	0	0	0	0	0	0	0	0	0	1	1
Total	11	17	43	36	16	10	53	168	3287	136	3777

Meters in Store April 30th, 1910.

	DIAMETER IN INCHES.										Totals.
	6"	4"	3"	2"	1½"	1¼"	1"	¾"	⅝"	½"	
Tridents	0	0	0	4	2	0	7	72	1733	0	1818
Lamberts	0	0	0	0	0	0	0	0	532	0	532
Siemens	2	6	19	5	1	6	14	2	0	61	116
Crown	0	0	0	0	0	0	1	0	1	0	2
Buffalo	0	0	0	0	0	0	0	0	2	0	2
Empire	0	0	0	0	0	0	0	0	0	1	1
Keystone	0	0	0	0	0	0	0	1	0	0	1
H-rsey	0	0	0	0	0	0	0	0	0	1	1
Worthington ..	0	0	0	0	0	0	0	1	0	0	1
Nash	0	0	0	0	0	0	0	0	0	2	2
Disc	0	0	0	0	0	0	0	0	0	1	1
Standard	0	0	0	0	0	0	0	0	0	1	1
Niagara	0	0	0	0	0	0	0	0	0	1	1
Totals.....	2	6	19	9	3	6	22	76	2268	68	2479

City Meters in Service April 30th, 1910.

	DIAMETER IN INCHES.										Totals.
	6"	4"	3"	2"	1½"	1¼"	1"	¾"	⅝"	½"	
Tridents	0	0	0	24	9	0	17	60	650	0	760
Lamberts	0	0	0	0	0	0	0	0	369	0	369
Siemens	9	11	23	4	4	4	14	30	0	68	167
Crown	0	0	0	0	0	0	0	2	0	0	2
Totals	9	11	23	28	13	4	31	92	1019	68	1298

Private Meters in Service April 30th, 1910.

	DIAMETER IN INCHES.										Totals.
	6"	4"	3"	2"	1½"	1¼"	1"	¾"	⅝"	½"	
Siemens	0	1	0	0	0	0	0	0	0	0	1
Indicator	0	0	0	1	0	0	0	0	0	0	1
Totals.....	0	1	0	1	0	0	0	0	0	0	2

Meters in Repair Shop April 30th, 1910.

	DIAMETER IN INCHES.										Totals.
	6"	4"	3"	2"	1½"	1¼"	1"	¾"	⅝"	½"	
Tridents	0	0	0	0	0	0	0	0	34	0	34
Siemens	0	0	0	0	0	0	0	0	0	10	10
Total.....	0	0	0	0	0	0	0	0	34	10	44

List of Meter Parts in Store.

	DIAMETER IN INCHES.										Totals.
	6"	4"	3"	2"	1½"	1¼"	1"	¾"	⅝"	½"	
Trident bottoms..	0	0	0	0	0	0	0	4	8	0	12
Siemens dials ..	3	0	0	0	0	0	4	0	0	0	7
" hands L.	16	0	0	4	0	0	12	0	0	4	36
" " S.	0	0	0	5	0	0	4	0	0	10	19
Totals.....	19	0	0	9	0	0	20	4	8	14	74

Meters Discontinued during Year 1909-10.

Street.	No.	Date.	Size	Meter Make.	No.	Cause.
Barrington		Oct. 23, 1909	4	Siemens.	161348	No further use.
Bedford Row	35	June 24, 1909	8	Trident.	293689	Premises torn down.
Brunswick	42	Dec. 28, 1909	"	"	454935	Taken off by owners.
Cedar	2	Dec. 29, 1909	"	"	449636	Taken off by owners.
Creighton	Stable.	Aug. 2, 1909	"	"	454940	No further use.
Duke	28-30	Feb. 18, 1910	"	"	454975	Water turned off.
Granville		Dec. 27, 1909	"	Lambert.	355330	Premises destroyed by fire.
Hollis	30	Dec. 29, 1909	"	"	355179	Premises vacant.
Hollis	104	June 22, 1909	"	Trident.	875665	Taken off by owner.
Kempt Road		May 25, 1909	3	"	239770	No further use.
Pleasant Avenue		Jan. 4, 1910	2	"	87678	No further use.
Water, Upper	39	June 1, 1909	"	"	312717	Premises destroyed by fire.
Water, Upper	216	July 29, 1909	"	"	293687	Premises condemned.
Water, Upper	266	Mar. 14, 1910	"	"	87666	Brought in by Mr. Morrison.
Water, Upper		Dec. 10, 1909	"	Siemens.	161304	No further use.
Water, Upper		Dec. 11, 1909	"	Trident.	87699	No further use.
Water, Upper		May 11, 1909	"	"	311413	Premises destroyed by fire.
Windsor	New Round House.	Jan. 3, 1910	1	"	240423	No further use.

Total Precipitation for the Year 1909.

1909.	CITY OF HALIFAX.				CHAIN LAKE				SPRUCE HILL LAKE.			
	Snow.	Melted Snow.	Rain.	Total.	Snow.	Melted Snow	Rain.	Total.	Snow.	Melted Snow.	Rain.	Total.
	Inches.	Inches.	Inches.	Inches.								
January	21.00	2.100	3.074	5.174	24.5	2.66	3.07	5.73	27.	3.20	2.93	6.13
February	9.6	.960	3.855	4.815	10.5	2.26	3.87	6.13	8.75	2.02	4.13	6.15
March	14.9	1.490	3.566	5.056	18.25	2.16	3.88	6.04	16.25	1.68	4.32	6.00
April	19.5	1.950	2.037	3.987	19.	2.23	.91	3.14	21.33	2.57	1.54	4.11
May			6.329	6.329			5.91	5.91			6.82	6.82
June			1.066	1.066			1.01	1.01			1.30	1.30
July			3.644	3.644			3.60	3.60			3.94	3.94
August			3.388	3.388			2.99	2.99			3.81	3.81
September			5.938	5.938			5.76	5.76			6.78	6.78
October	T.	.014	7.151	7.165			6.76	6.76			7.50	7.50
November	1.2	.120	4.878	4.998			5.48	5.48	.25	.04	5.60	5.64
December	14.5	1.450	1.312	2.762	17.	1.68	1.49	3.17	16.00	1.85	1.06	2.90
Total	80.7	8.084	46.238	54.322	88.25	10.99	44.73	55.72	89.58	11.35	49.73	61.08

Detailed Precipitation for the Year 1909.

Day.	CITY OF HALIFAX.											
	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.
1	.010	.020	.600	.050	.482	.046	T.	.....	.384	.010	.....	.120
2	.....	.080	.714	.....	1.680	.....	.....	.....	1.484	.210	T.	.278
3	.064	.010	.206	.060	.....	.....	.260	.....	.010	.034	T.	.020
4	.100	.....	.330	.230	.094	.....	.014	.....	.....	.....	.850	.088
5	.030	.080	.022	.130	.092	.....	.....	.....	.120	.....	.436	.028
6	1.894	.230	.....	.....	.062	.....	.....	.414	.312	.....	.....	T.
7	.110	.....	.....	.075	.....	.....	.068	.026	.....	.....	.....	.....
8	.....	.130	.....	T.	.....	.....	.668	.....	.....	.....	.....	.150
9	.....	.....	.....	.200	.....	.....	.130	.102	.....	.....	.160	T.
10	.....	.420	.160	.310	.010	.....	.....	.668	T.	.....	.....	.....
11	.....	.607	.058	.....	.060	.346	.....	.054	1.450	.090	.....	.....
12	.010	T.	.....	.....	.360	.....	.030	.....	.....	1.302	.....	T.
13	.120	.028	.....	.....	.....	.....	.054	.010	.....	.765	.....	.....
14	.060	.....	.....	.....	.012	.230	.....	.....	.....	.212	.....	.480
15	.298	.230	.....	.026	.010	.....	.....	.....	.....	.222	.....	.168
16	.....	.100	.....	.020	.....	.....	.....	.....	.....	.016	.....	.....
17	.162	.060	.050	.020	.....	.....	.980	.....	.010	.024	.700	T.
18	.394	.....	.440	.240	.052	.220	.....	1.606	.100	.....	.144	.....
19	T.	.....	.....	.080	.040	.....	.012	.100	.....	.038	.010	.....
20	.280	.664	.....	.186	.....	.....	.012	.....	.....	.....	.114	.....
21	.....	.020	.....	.....	.....	.....	.044	T.	.....	.....	.....	.....
22	.152	.....	.090	.588	.....	.....	.040	.....	T.	.114	.....	.....
23	.030	.....	.120	.344	1.815	.038	.038	.....	T.	.028	.122	T.
24	.220	.484	.070	.210	1.000	.....	.086	.....	T.	.832	.432	T.
25	.130	1.702	.....	.....	.....	.010	.....	.010	.....	2.984	.168	.....
26	.880	.020	1.322	.878	.....	.....	.....	.380	.012	.200	.246	.400
27	.....	.....	.010	.....	.....	.....	.....	.018	.200	.....	.146	.090
28	.....	.....	.032	T.	.266	.012	.....	T.	.046	.012	.....	.....
29	.....	.....	.832	.290	.216	.142	.....	.....	.290	.040	.410	.280
30	.150	.....	T.	T.	.058	.022	.042	T.	1.520	.032	.060	.660
31	.080	.....	.....	.....	.020	.....	.096	.....	.....	.....	.....	.....
Total.	5.174	4.815	5.056	3.987	6.329	1.066	3.644	3.388	5.938	7.165	4.998	2.762

Total for the year, 54.322 inches.

Detailed Precipitation for the Year 1909.

CHAIN LAKE.												
Day.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.
1			.56	.06	.14	.11	.05					.26
2			.36		1.79				2.23			.31
3	.02		.62	.43			.22			.19		
4	.16		.56	.13	.12		.04				1.10	.09
5		.10	.04								.25	.03
6	.47	.25			.13			.40	.37		.18	.03
7	1.61	.03		.06	.12		.41	.05				
8		.25					.28					.15
9								.12			.20	
10		.15	.17	.40				.50				
11		.89	.08		.05	.28		.10	.93	.04		
12					.40					1.63		
13	.17						.12			.40		
14		.02				.18				.53		.15
15	.31	.37			.04					.03		.63
16		.58		.05						.23		
17		.54					.80			.04	.04	
18	.47		.87	.33		.22		1.64	.13		.87	
19	.08			.20	.10		.02	.18		.02		
20		.60		.17							.10	
21							.05				.03	
22	.03		.13							.16		
23			.24		.88	.04	.11			.02	.09	
24	.42	.15	.08		1.55		1.22		.02	.68	1.31	
25		2.08				.02	.08			2.25	.11	
26	1.09	.12	1.25	1.03						.41	.22	
27			.12						.31		.42	.75
28			.06									
29			.90	.28	.51	.16			2.0	.11	.47	
30					.08		.04		1.57	.02	.09	.77
31	.90						.16					
Total.	5.73	6.13	6.04	3.14	5.91	1.01	3.60	2.99	5.76	6.76	5.48	3.17

Total for the year, 55.72 inches.

Detailed Precipitation for the Year 1909.

SPRUCE HILL LAKE.												
Day.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.
1	.11	.04	.55	.09	.30	.12	.....	.....	.31	.03	.....	.17
2	.....	.....	.15	.....	2.12	.....	.....	.....	2.10	.....	.....	.30
3	.....	.05	.65	.....	.....	.....	.28	.....	.03	.15	.08	.....
4	.18	.....	.55	.43	.10	.....	.03	.....	.....	.....	1.15	.15
5	.....	.04	.04	.05	.11	.....	.....	.....	.....	.....	.49	.05
6	.34	.18	.....	.....	.08	.....	.....	.50	.40	.....	.06	.05
7	1.83	.03	.....	.05	.....	.....	.08	.04	.....	.....	.....	.....
8	.....	.23	.....	.02	.....	.....	.....	.50	.....	.....	.....	.17
9	.....	.....	.....	.....	.....	.....	.20	.26	.....	.....	.27	.....
10	.....	.18	.16	.45	.....	.....	.....	.63	.....	.....	.....	.....
11	.....	.96	.15	.....	.05	.43	.....	.15	1.26	.03	.....	.03
12	.....	.....	.....	.....	.50	.....	.....	.....	.....	1.70	.....	.....
13	.25	.02	.....	.....	.....	.....	.18	.....	.....	.51	.....	.....
14	.....	.....	.....	.....	.....	.25	.....	.....	.....	.60	.....	.15
15	.20	.18	.....	.....	.05	.....	.....	.....	.....	.09	.....	.53
16	.....	.43	.....	.05	.....	.....	.....	.....	.....	.15	.....	.....
17	.....	.70	.....	.....	.....	.....	.90	.....	.....	.05	.08	.....
18	.47	.04	.83	.30	.....	.25	.....	1.73	.18	.....	.88	.....
19	.04	.....	.....	.09	.11	.02	.05	.23	.....	.09	.....	.....
20	.16	.61	.....	.18	.....	.....	.....	.....	.....	.....	.13	.....
21	.....	.08	.....	.....	.....	.05	.08	.....	.....	.....	.04	.....
22	.....	.....	.....	.58	.....	.....	.....	.....	.....	.12	.....	.....
23	.....	.....	.05	.03	.82	.....	.18	.....	.....	.05	.12	.04
24	.37	.....	.22	.54	1.86	.....	1.22	.....	.04	.80	1.35	.....
25	.....	2.30	.04	.....	.....	.05	.11	.....	.....	2.33	.11	.....
26	1.01	.08	1.07	.93	.....	.....	.....	.24	.....	.60	.22	.44
27	.13	.....	.59	.....	.....	.....	.....	.03	.33	.....	.08	.26
28	.....	.....	.05	.....	.22	.....	.....	.....	.12	.....	.....	.....
29	.....	.....	.90	.32	.45	.13	.....	.....	.27	.18	.54	.04
30	.34	.....	.....	.....	.05	.....	.05	.....	1.74	.....	.04	.49
31	.70	.....	.....	.....	.....	.....	.08	.....	.....	.....	.....	.03
Total	6.13	6.15	6.00	4.11	6.82	1.30	3.94	3.81	6.78	7.50	5.64	2.90

Total for the year, 61.02 inches.

PRECIPITATION AT HALIFAX, N. S.

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

YEAR.	January.	February.	January to Feb. inclusive.	March.	January to Mar. inclusive.	April.	January to April inclusive.	May.	January to May inclusive.	June.	January to June inclusive.
1869..	4.530	4.380	8.910	7.950	16.860	2.570	19.430	5.570	25.000	3.920	28.920
1870	6.670	9.780	16.450	3.080	19.530	3.860	23.390	3.190	26.578	1.690	28.270
1871..	3.730	5.880	9.610	6.160	15.770	4.880	20.650	2.590	23.240	2.960	26.200
1872..	3.880	4.490	8.370	5.370	13.740	2.850	16.590	4.440	21.030	4.230	25.260
1873..	7.830	1.610	9.440	4.090	12.530	2.860	16.390	2.340	18.730	2.960	21.650
1874..	5.420	5.310	10.730	3.980	14.710	4.550	19.260	4.770	24.030	7.920	31.950
1875..	3.481	5.877	9.378	2.113	11.491	3.378	14.869	3.977	18.846	6.067	22.913
1876..	3.451	6.456	9.907	6.334	16.241	3.125	19.366	4.664	24.030	3.384	27.414
1877..	4.200	1.809	6.009	8.666	14.675	3.801	18.476	4.024	22.600	3.841	26.341
1878..	7.522	2.697	10.219	10.284	20.503	3.502	24.005	5.759	29.764	4.477	34.241
1879..	4.400	3.001	7.401	6.202	13.638	3.481	17.084	4.687	21.771	1.191	22.962
1880..	7.733	5.122	12.855	3.365	16.220	4.797	21.717	4.088	25.105	1.343	26.448
1881..	3.607	5.329	8.936	6.556	15.492	3.498	18.990	2.460	21.450	5.308	26.751
1882..	6.840	5.949	12.789	7.068	19.857	4.824	24.681	4.677	29.355	5.507	34.865
1883..	4.930	3.860	8.790	4.941	13.731	3.703	17.434	8.613	26.047	3.322	29.269
1884..	4.406	6.161	10.567	7.034	17.601	7.213	24.814	3.629	28.443	3.773	32.216
1885..	6.388	5.090	11.478	3.889	15.367	3.520	18.887	3.282	22.169	2.749	24.918
1886..	8.670	3.842	12.512	4.027	16.539	0.823	17.362	8.519	26.181	2.708	28.889
1887..	7.706	6.735	14.441	4.449	18.890	6.396	25.286	2.126	27.412	2.129	29.533
1888..	5.442	6.284	11.726	4.310	16.036	3.675	19.711	2.877	22.588	4.959	27.527
1889..	4.391	6.181	10.572	2.046	12.618	7.403	20.021	3.871	23.892	3.757	27.647
1890..	3.963	4.645	8.608	9.889	18.497	2.958	21.455	3.970	25.425	3.440	28.865
1891..	8.383	8.740	17.123	2.685	19.808	4.010	23.818	4.195	28.013	4.131	32.144
1892..	6.321	2.605	8.926	5.986	14.912	2.653	17.565	5.459	23.024	3.638	26.662
1893..	4.781	5.979	10.760	2.303	13.063	4.209	17.272	5.054	22.326	1.753	24.079
1894..	7.122	3.571	10.693	3.623	14.316	5.648	19.964	1.769	21.733	3.803	25.536
1895..	10.131	4.605	14.736	5.931	20.667	3.956	24.623	4.089	28.712	1.827	30.539
1896..	1.720	4.199	5.919	8.786	14.705	1.413	16.118	2.532	13.650	4.671	23.321
1897..	5.896	2.898	8.794	5.470	14.264	6.211	20.475	4.613	25.088	6.070	31.158
1898..	4.060	4.422	8.482	4.068	12.550	7.346	19.896	2.366	22.262	5.598	27.860
1899..	5.053	3.613	8.666	7.178	15.874	3.278	19.152	3.677	22.829	3.875	26.704
1900..	8.532	5.277	13.809	6.577	20.386	3.949	24.335	4.254	28.589	2.656	31.245
1901..	6.043	0.966	7.009	4.102	11.111	6.318	17.429	5.556	22.985	6.959	29.944
1902..	3.289	2.735	6.024	7.757	13.781	3.067	16.848	3.725	20.573	4.908	25.481
1903..	5.082	3.712	8.794	7.294	16.088	5.515	21.604	0.676	22.279	3.493	25.772
1904..	6.318	5.328	11.646	5.590	17.236	5.912	23.148	3.315	26.463	2.668	29.131
1905..	8.290	5.326	13.616	2.804	16.420	1.260	17.680	3.217	20.897	4.070	25.867
1906..	4.624	5.208	9.832	7.142	16.974	8.381	25.355	6.203	31.563	1.704	33.267
1907..	6.186	4.481	10.667	3.364	14.031	3.218	17.249	3.344	20.503	3.723	24.316
1908..	6.172	6.112	12.284	3.129	15.413	6.373	21.786	6.248	28.034	4.320	32.354
1909..	5.174	4.815	9.989	5.056	15.045	3.987	19.032	6.329	25.361	1.066	26.427
Totals	232.397	238.872	.....	220.648	.....	174.301	.....	171.049	.....	151.486	.....
Means	5.668	5.826	.....	5.381	.....	4.251	.....	4.172	.....	3.505	.....

PRECIPITATION AT HALIFAX, N. S.

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

YEAR.	July.	January to July inclusive.	August.	January to Aug. inclusive.	September.	January to Sept. inclusive.	October.	January to Oct. inclusive.	November.	January to Nov. inclusive.	December.	Total for the year.
1869..	2.920	31,840	2,580	34,420	1,570	35,990	7,300	43,290	5,470	48,760	5,770	54,530
1870..	3.210	31,480	2,200	33,680	3,330	37,010	6,830	43,840	6,440	50,280	5,880	56,160
1871..	3.380	29,580	3,690	33,270	4,810	38,080	4,490	42,570	4,180	46,750	4,390	51,140
1872..	2.830	28,140	6,820	34,960	1,410	36,370	4,880	41,250	6,650	47,900	6,160	54,060
1873..	3.900	25,590	4,450	30,040	4,480	34,520	8,630	43,150	7,930	51,130	4,310	55,440
1874..	2.290	34,240	3,370	37,610	5,040	42,650	2,460	45,110	3,580	48,690	5,490	54,180
1875..	5.612	28,525	3,555	32,080	2,060	34,140	9,976	44,116	5,544	49,660	1,614	51,274
1876..	3.914	31,328	1,909	33,237	6,094	39,331	4,068	43,397	7,397	50,796	3,176	53,972
1877..	4.468	30,809	3,539	34,348	3,164	37,512	6,857	44,369	8,678	53,047	4,493	57,540
1878..	1.483	35,724	3,127	38,851	0,800	39,651	5,061	44,712	6,989	51,621	5,119	56,740
1879..	3.843	26,805	4,827	31,632	2,596	34,223	4,755	38,978	4,823	43,806	4,029	47,835
1880..	3.086	29,534	3,920	33,454	5,712	39,166	4,590	43,756	4,704	48,460	4,393	52,853
1881..	3.177	29,835	3,062	32,990	3,105	36,095	4,206	40,301	4,420	44,721	7,094	51,755
1882..	5.071	39,936	3,925	43,861	5,914	49,775	7,403	57,178	1,392	58,570	3,452	62,022
1883..	3.640	32,909	5,342	38,251	3,864	42,115	5,841	47,956	3,478	51,434	6,678	58,112
1884..	3.294	40,510	2,771	43,281	1,788	45,069	3,093	48,162	5,992	54,154	9,124	63,078
1885..	5.817	30,735	3,001	33,736	2,497	36,233	6,280	42,513	5,824	47,936	8,693	56,629
1886..	6.525	35,414	4,526	39,940	4,459	44,399	2,136	46,534	5,284	51,818	5,469	57,287
1887..	2.045	31,578	8,351	39,929	3,308	43,237	3,058	46,295	6,718	53,013	4,120	57,133
1888..	5.601	32,528	7,000	39,528	5,331	44,859	6,359	51,218	6,802	58,020	7,774	66,294
1889..	2.668	30,815	2,633	32,948	1,399	34,347	4,179	38,526	7,145	45,671	2,988	48,659
1890..	2.141	31,006	7,042	38,048	4,534	42,582	6,603	49,185	3,716	52,901	7,202	60,103
1891..	4.003	36,147	3,385	39,532	3,052	42,584	9,621	52,205	2,338	54,593	4,076	58,669
1892..	2.710	29,372	6,809	36,181	1,744	37,925	3,472	41,397	9,240	50,637	3,053	53,690
1893..	4.757	28,836	5,954	34,790	4,891	39,181	5,640	44,821	3,760	48,581	10,167	58,748
1894..	1.059	26,695	3,993	30,588	1,010	31,599	3,863	35,461	5,785	41,246	4,562	45,808
1895..	3.924	34,463	5,502	39,965	2,491	42,456	5,627	48,083	8,223	56,306	5,846	62,152
1896..	8.729	32,050	3,037	35,087	12,092	47,179	15,039	62,213	4,396	66,614	3,248	69,862
1897..	8.661	34,819	5,185	40,004	1,169	41,173	0,846	41,919	6,051	47,970	3,552	51,522
1898..	3.652	31,512	5,651	37,163	4,153	41,321	4,845	46,166	10,248	56,414	4,066	60,480
1899..	5.747	32,451	1,542	33,993	3,201	37,194	6,191	43,385	2,560	49,523	3,923	53,013
1900..	1.872	33,117	3,993	37,110	5,043	42,153	7,365	49,518	6,858	56,376	3,271	59,697
1901..	1.585	31,629	3,656	35,185	6,872	42,057	4,906	46,963	2,560	49,523	8,393	58,096
1902..	1.651	27,132	4,767	31,899	4,657	36,556	4,252	40,808	3,813	44,621	7,295	51,916
1903..	4.313	30,085	4,247	34,332	4,237	38,569	6,368	44,937	9,598	54,535	4,690	59,125
1904..	2.323	31,454	6,511	37,965	4,502	42,467	5,031	47,498	5,107	52,605	4,589	57,194
1905..	1.927	27,794	2,733	30,527	2,753	33,280	1,539	34,819	6,348	41,167	6,268	47,435
1906..	6.125	39,392	1,509	40,901	3,374	44,275	3,986	48,261	5,920	54,181	9,958	64,139
1907..	3.381	27,697	4,865	32,562	4,260	36,822	5,340	42,162	6,039	48,201	6,715	54,916
1908..	5.700	38,054	10,658	48,712	1,413	50,125	3,704	53,829	3,272	53,101	7,769	64,870
1909..	3.644	30,071	3,398	33,469	5,938	39,397	7,165	46,562	4,998	51,560	2,762	54,322
Tota s	156.028		179.025		153.622		224.254		231.819		220.076	2312.652
Means	3.805		4.866		3.747		5.470		5.654		5.367	56.406

Meteorological Notes, Halifax, N. S.

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

1909.	PRESSURE.				TEMPERATURE.					DIRECTION OF WIND FROM							PRECIPITATION.												
	Mean reduced.	Highest.	Lowest.	Range.	Mean.	Difference from average.	Year's Observations.	Highest.	Lowest.	Mean daily range.	North	North East.	East.	South East.	South.	South West.	West.	North West.	C.	Total Number of Observations.	Amount.	Difference from Average.	Heaviest fall in month.	Days with .01 or more.	No. of fair days.	No. of auroras	No. of thunder storms.	No. of fogs.	
Jan	30.08	30.83	29.04	1.79	23.2	-0.9	34	53.4	-9.1	18.7	18	15	1	1	4	7	5	10	1	62	5.16	-.60	1.89	20	11	0	1	1	
Feb	29.89	30.62	28.95	1.67	23.4	-0.4	34	47.0	-10.5	17.9	19	5	3	2	4	5	9	8	1	56	4.88	+.27	1.70	17	11	0	0	0	
March ..	29.70	30.18	29.24	.94	31.6	+1.2	35	47.0	4.0	13.5	27	6	1	5	5	4	4	10	0	62	5.05	-.41	1.32	16	5	0	0	1	
April ...	30.02	30.68	29.06	1.62	38.7	-0.7	35	63.4	20.6	15.2	16	5	5	6	6	1	13	6	0	60	3.99	-.27	.88	18	12	0	1	2	
May	29.93	30.36	29.32	1.04	47.9	-0.9	34	71.2	31.2	16.6	17	7	1	7	14	5	6	5	0	62	6.30	+2.10	1.81	18	13	0	1	5	
June	29.93	30.25	21.59	.66	60.1	+2.1	34	94.4	36.2	23.4	25	4	0	0	6	7	6	10	0	60	1.09	-2.72	.35	10	20	0	0	0	
July	29.90	30.25	29.44	.81	64.0	-0.6	35	87.1	44.9	20.3	10	2	1	1	14	12	10	12	0	62	3.04	-.81	1.07	17	14	0	0	5	
August ..	29.98	30.37	29.49	.88	64.7	+0.1	35	87.7	44.7	18.9	15	7	4	2	7	10	10	5	2	62	3.38	-.95	1.60	11	20	0	3	2	
Sept	30.16	30.52	29.62	.90	60.4	+1.6	35	78.8	36.4	17.3	3	5	4	8	6	12	12	7	3	60	5.93	+2.09	1.52	13	17	0	0	2	
Oct	29.90	30.34	29.23	1.11	50.3	+1.5	35	74.2	29.8	14.8	9	6	2	3	3	0	10	9	23	0	62	7.45	+2.04	.98	19	12	1	0	1
Nov	30.10	30.68	29.58	1.17	40.7	+1.0	35	62.6	29.1	15.2	7	20	2	6	1	8	8	6	2	60	4.99	-.65	1.43	14	16	0	1	1	
Dec	29.68	30.58	28.82	1.76	29.0	+0.3	35	46.4	2.6	10.3	9	16	5	3	1	1	2	24	1	62	2.87	-2.45	.66	12	19	0	0	0	

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