

SANITARY COMMITTEE.

Statement of Expenditure from 1st May, 1883, to 30th April, 1884.

1883.			
June 1.	Paid Keeper of Hospital, C. A. Lawdey..\$	8	33
Aug. 27.	do. do. do. ..	25	00
Oct. 2.	Part Cost of Barn.....	83	65
Nov. 1.	C. A. Lawdey.....	17	01
30.	A. Hart for Oil.....	1	50
Dec. 31.	C. A. Lawdey	16	66
	S. Cunard & Co., Coal.....	40	00
1883.			
Mar. 1.	George Rent, Lantern	2	50
	C. A. Lawdey.....	25	00
		<u>\$</u>	<u>219 65</u>

PRINTING AND STATIONERY.

Statement of Expenditure for Printing, Advertising and Stationery from 1st May, 1883, to 30th April, 1884.

1883.			
June	Paid A. & W. McKinlay for Seals, &c..\$	4	75
Oct. 2.	Blackader Bros. for Reports.....	213	50
31.	A. & W. McKinlay, acct.....	9	00
Dec. 8.	Lithograph Co. for Printing Debentures.	45	00
	Morning Herald, acct.....	144	75
	Blackader Bros., acct.....	281	66
20.	Buckley & Allen, acct.....	26	51
	do. do.	49	85
	A. & W. McKinlay, acct.....	5	30
	T. P. Connolly, acct.....	6	00
		<u>\$</u>	<u>786 32</u>

SANITARY COMMITTEE

POINT PLEASANT PARK.

*Statement of Expenditure at the Park from 1st May, 1883, to
30th April, 1884.*

1883.			
Sept. 8.	Paid Sir Wm. Young.....	\$	500 00
Nov. 2.	do.		500 00
			\$ 1000 00

DALHOUSIE COLLEGE.

*Statement of Expendituae account of Dalhousie College from
1st May, 1883, to 30th April, 1884.*

1884.			
Jan. 26.	Paid Secretary of Board of Commis- sioners per Appropriation.....	\$	500 00

ASYLUM FOR THE BLIND.

*Statement of Expenditure on account of Asylum for the Blind
from 1st May, 1883, to 30th April, 1884.*

1883.			
Aug. 9.	Paid Secretary for Maintenance of 2 Pupils as per Appropriation.....	\$	120 00

REVISORS ELECTORAL LISTS.

*Statement of Expenditure from 1st May, 1883, to 30th April,
1884.*

1884.

Apl. 1. Paid Ald. Nisbet per Appropriation.....\$ 200 00

BOARD OF WORKS REPORT

BOARD OF WORKS REPORT.



W. D. O'DONNELL, PHOTO.

ARTOTYPE.

VIEW OF WASTE WEIR AND GATE AT S. E. END OF LONG LAKE.

BOARD OF WORKS REPORT.

OFFICE OF COMMISSIONERS BOARD OF CITY WORKS.

July 28th, 1884.

The Board of City Works beg leave to submit the accompanying Reports from the different departments under its control for the year ending 30th April, 1884, and which at a meeting held this day were duly submitted, and read, and ordered to be forwarded to the City Council for its information.

Respectfully submitted.

GEO. McLELLAN,

Chairman.

CITY ENGINEER'S REPORT.

For the year ending 30th April, 1884.

WATER WORKS.

A new waste-weir and bridge have been built at Spruce Hill Lake in accordance with the recommendation contained in my last annual report. The weir is a permanent structure of granite, built a little to the eastward of the old wooden structure, the site of which is now occupied by embankment. In the new work four openings, each nine feet five inches in clear width, have been provided for the discharge of the waste waters of the lake. The divisions are made by means of cast iron standards capable of receiving stop logs or planks, so that the lower Spruce Hill Lake may at any future time be raised about two and a half feet without incurring additional

expense at this point. The standards also form the supports or piers for one side of the new bridge. The work was commenced on the 3rd September, was done by days' labor and was completed on the 25th October at a total cost of \$1068.25.

The new sluice way and water gate, also suggested in the last annual report, to be built between the Upper and Lower Chain Lakes have been constructed. The dam at this point having been found to be in a dangerous condition was strengthened by widening the base, and at the same time it was raised about three feet. The entire work was done by days' labor, it was commenced on the 20th Aug. and completed 16th Oct., at a total cost of \$1104.33 including the brick bulkhead wall, granite coping, and the necessary gearing for operating the gate.

The new sluice way is 24 by 36 inches, or double the size of the old one and it is placed at a level about 18 inches lower.

By the construction of an additional small dam a short distance to the north of this point, the Upper Chain Lake can at trivial expense be raised to the same level as Long Lake, and a considerable quantity of extra water can thus be held in store. As, however, some land which does not belong to the city would be flooded, this work cannot be done until the necessary arrangement is made with the owner of the property which would be overflowed.

Granite standards and iron gearing have been placed on the bulkhead wall at Long Lake for the purpose of conveniently handling the gate which regulates the discharge of water from Long Lake to the Chain Lakes.

Some slight repairs were done to the wall surmounting Long Lake dam, and a portion of the masonry of the waste weir was repointed.

A screen about 100 feet in length, composed of stout pickets driven into the bottom, capped on top, and with a boom capable of rising and falling with the water, was placed in Lower Chain Lake a short distance in front of the inlet to the South gate house with the view of preventing the anchor ice, slush and drift ice from being drifted into the screen chambers and cutting off the supply of water from the city as had

happened in the previous year. This device at very trivial cost has answered a good purpose, as was evident from the accumulations collected in front of it when the winter set in. It was, however considerably thrown out of position in the spring by the action of the frost, but was righted again with little trouble by the gate house keeper. I would recommend as a further precaution that a boom about 400 feet in length be thrown across the lower Chain Lake, near its lower end, This boom to have stout pickets secured to it at intervals of two to three inches apart and projecting into the water from two to three feet. This will serve as a safeguard against drifting ice for the gate house also.

As it was noticed during the past summer that the growth of fresh-water sponge was increasing in a very rapid degree in Long Lake and the Chain Lakes, men were sent around the shores to gather all that could be found. This work should be carefully repeated every year, and is required to be done at the Spruce Hill Lakes also, as fresh-water sponge is found to exist there. This substance, when in a state of decomposition, gives forth a most offensive odor, and if allowed to accumulate in our lakes must eventually seriously contaminate the water supply.

Attention was called in my last annual report to the advisability of enlarging and lowering the conduit between Long Lake and Upper Chain Lake. This conduit is built of three-inch plank dowed together, its size inside being two feet six inches in height by two feet in width, and its length about 1200 feet. Being laid nearly on a dead level it does not discharge the water—in dry weather when Long Lake is low—in sufficient quantity to keep the chain Lakes up to a proper height, and there is the risk, in the event of a long continuous drought, that the latter lakes might continue falling to such an extent as to endanger the regular water supply to the city. It would probably cost at least \$6,000 to \$8,000 to do the work required in enlarging and lowering this conduit, the greater portion of which expense however could be avoided if it should be concluded within a reasonable time to draw our water supply direct from Long Lake, as suggested and recommended in previous reports.

As complaints are occasionally made respecting the quality of the water delivered into the city, I may say that the water

from Spruce Hill Lakes has never to my knowledge been subjected to chemical analysis, and its constituent parts are at present unknown. When these lakes were first made use of as city reservoirs, in 1868, dams were constructed in order to increase their capacity for storage purposes, and the water thus impounded overflowed large areas of land covered with trees, bushes and vegetable matter which, for motives of economy, were not carefully removed at the time as they should have been. The result was that as time went on the water became more and more contaminated until in 1876 the Council authorized the cleaning out of these lakes. This work was done as far as it was practicable to do it at the time with the appropriation allowed and without draining the water to so low a level as to cut off entirely the High Service Supply to the city. Although the effect upon the quality of the water was at once felt to be most marked and beneficial, it was well understood at the time that the cleaning was not as thorough as could be desired, and to complete it in a perfectly satisfactory manner would have involved lowering the water to such an extent as to render the High Service works worthless for several weeks. If, therefore, it is desired to render the waters of Spruce Hill Lakes as pure as they can be made without recourse to filtering it will yet be necessary to adopt this course which will be found to be expensive. In the meantime it would be prudent always to keep the brush cleared away from the margin of the lakes, and I might suggest that if an analysis of the water were made, citizens receiving their supply from this source may very possibly find that the impurities are by no means as great as are sometimes represented.

With regard to the quality of the Low Service Supply, the waters of Long Lake are known to be of a pure description. Professor Lawson's analysis, made at a most unfavorable season, showed the total foreign matter per gallon to be 3.84 grains. This water, however, in its course through the Chain Lakes absorbs impurities to a large extent. In addition to the deposits of infusorial earth in the Upper Chain Lake, the great source of impurity is the public road which skirts the shore for about a mile, the washings from which at times find their way to a considerable extent directly into the inlet to the South Gate House. A sample of water taken from this point yielded 5.12 grains of foreign matter to the gallon. A filter bed could be constructed here for about \$4000, but in any case the public road should be diverted from its present course if

these lakes are to be retained as city reservoirs. An old rubble wall at this point, through which the water is supposed to be filtered is now so much choked that the supply delivered through it is insufficient to keep the low service mains filled with water whenever the North Gate House is required to be turned off. It is therefore necessary that this wall should be removed, and I would suggest substituting in its place a water-tight wall capable of receiving screens and stop-planks and a gate worked by ordinary gearing. If we compare the quality of our water with that furnished from the Thames, by some of the Water Companies, to the city of London, the comparison is largely in our favor. While our worst sample taken from Lower Chain Lake at the south inlet to the city showed 5.12 grains of foreign matter to the gallon, that of the London supply yielded 19.32 grains to the gallon.

The old wall sluice and gate near the North Pipe House are leaky and not in good condition, nothing however can be done to them until after the South Gate House is rendered capable of independently maintaining the Low Service Supply while the required work is in progress.

During the year 4150 lineal feet of main distribution pipes were laid. Six fire hydrants and two domestic or supply hydrants were erected. 3430 feet of lead service pipes were laid, and one hundred additional houses were furnished with a water supply. 1725 feet of old three inch pipes were cleaned and the 15 inch High Service main for a length of over five miles was recleaned. For particulars see the usual schedules attached hereto. Of the 4150 feet of distribution pipes 832 feet were laid in Campbell Road to supply the railway reservoir in Mulgrave Park. The work was done under a special arrangement with the Dominion Government who provided the pipes and paid the whole cost of the work. By the agreement entered into, the pipes after being laid became the property of the city.

In previous reports attention has been called to the necessity of proceeding with the work of cleaning out the distribution pipes throughout the city, and an appropriation of \$5000 towards this object was asked for last year but not yet obtained. By making similiar small appropriations for a few successive years the whole work could soon be accomplished.

I cannot close this section of my report without again calling attention to the necessity of adopting some active measures towards suppressing the general and excessive waste of water which is allowed to take place throughout this city. Although the evil effects are more severely felt throughout the Winter owing to the practice of leaving taps or faucets open wherever the water will flow at all, having become habitual during that quarter of the year, the lavish waste of water is constantly going on at all other times. Some citizens are under the impression that by allowing a constant stream of water to flow from one or more taps they are thereby flushing out their house drains; this however, is not the case, a continuous small stream of water will not flush a drain, a bucketfull of water or two poured down a drain once a day or less, often will accomplish the needed flushing much more effectually than all the continuous streams that can be obtained from an ordinary service pipe. The lavish waste of water for this purpose therefor is not productive of any good result, and there is no plea whereby it can be justified, while it is the direct cause of danger in other respects, especially in cases of fire. It is this waste which has gradually diminished the water pressure throughout both the high and low service districts so that the water will not now rise to the upper stories of buildings where otherwise there would be good force, and this state of things is rapidly growing worse, notwithstanding the cleaning out of the principal mains, the effect of which was to greatly increase the volume of water poured into the city. It also prevents the extension of the mains in some localities, and is the sole cause why hydraulic-motors and elevators which would pay a handsome revenue, have not been introduced by parties who otherwise would have adopted them. But what is probably worse than all, it destroys to a large extent the value of the fire department. Our turnkeys are perhaps now as well drilled to their work as it is practicable to have them, and upon the first alarm of fire being sounded their energies are at once devoted to concentrating the whole available force of water upon the locality where it is needed; yet in spite of all their exertions it sometimes happens that they cannot succeed in getting a really good force of water on to a fire as quickly as is to be desired, great caution is needed in all such cases not only for fear of opening or closing the wrong valves and thus depriving the district entirely of water, but for fear of closing the valves in too great a hurry and bursting the mains. This catastrophe has occurred on more than one occasion and

sometimes results in the supply being almost entirely cut off. Precautions are now being taken to prevent similiar accidents from happening again as far as it is practicable to do so, but further expenditure will probably be needed in this direction. I might add that there is abundance of water for all the legitimate wants of the citizens if it is used with common care. There is no occasion for a single individual to be stinted in the smallest degree, but the present mains are not capable of yielding this supply and of maintaining at the same time the enormous draught upon them caused by thousands of open taps and defective pipes, water closets, and cisterns which discharge their contents directly into the sewers for no purpose whatever.

SEWERAGE.

The principal work undertaken in this department was the completion of the Freshwater sewer from South street—passing mostly through private property—to the city lot at the head of Smith street. The work was let in two contracts, the upper section—which was 592 feet in length—extending from South street to within about 40 feet of the north side of Artz street, and the lower section—716 feet in length—extending from a point about 33 feet from the south side of Artz street to the upper end of the existing sewer in the city lot above mentioned. The upper sewer is circular in shape, five feet in internal diameter and is built of rubble masonry in cement. The lower sewer is five feet nine inches in diameter and is built in precisely the same manner. The total cost of the work was \$10,563.11.

No other new sewers of a permanent character have been constructed during the season.

The total length of public sewers now in use in the city—so far as known—is 103,717 feet or nearly 20 miles, not including a number which are known to be in bad condition and unfit to be retained.

STREETS AND ROADS.

The Association for giving relief to the poor not having turned out, during the previous winter, any broken stone for Macadamizing purposes, there was a scarcity of that material during the past season. In consequence of this and also because of a lack of funds the usual amount of repairs and improvements upon our streets and roads were not effected.

A stone crusher was put in operation during the summer, but being of an old style and much worn the results so far have not been satisfactory. Expensive breaks to the machinery and stoppages were of almost daily occurrence, so that the actual cost of producing the broken stone was greatly increased, and had there been any other available means of obtaining the needed material its use for the time would have been discontinued. After paying all bills it was found that the cost per bushel was $5\frac{8}{10}$ cents. With proper machinery the cost should not exceed two cents per bushel. The latest improved "Blake Marsden Crusher," warranted against breakage under ordinary conditions can now be purchased in England at a very reasonable rate, and I would recommend that one of these machines be procured.

The ordinary street cleaning and watering during the past year was performed by Mr. John Naylor under his three years contract. This contract expired at the close of the season of 1883. The amount paid to Mr. Naylor under his contract during the past year was \$7,000, and during the three years he has received in all \$19,516.66.

The usual returns of work done upon the streets and roads will be found appended hereto.

As a rule our street work is started too late in the season to produce the best results with the limited amount of money at the disposal of the Board. Midsummer is not the best season to repair or macadamize roadways and this is the time which is generally selected for work of this description. If the work could be commenced early in the spring a dollar would go further than it will two or three months later, there would be no difficulty in procuring the best laborers, many of whom are then in actual need of employment; all the work would not be crowded into a few short weeks, so as to make it difficult to give it proper supervision, and much of it could be done to far greater advantage and with more satisfactory results than is practicable at a later period.

The system hitherto adopted under which street repairs are performed is also capable of improvement. It is not economy to leave the surface of a roadway utterly neglected until it gets into such a condition that attention to it is absolutely necessary. The proper times for general repairs are the

spring and autumn, and the best and most economical system under which to maintain a gravel or broken stone roadway is one which compels constant attention to its surface. In other words it should never be allowed to get out of repair after having been once properly made.

The disadvantages which result from carrying out the general Street work under fixed ward appropriations, being well understood by the board, it cannot be necessary here for me to do more than merely refer to the subject. Special attention was called to the evils which follow upon this system in my report for 1880. It would seem to be more in the interests of the tax payers and citizens generally that work should be performed where it is most needed, irrespective of ward boundaries.

In my two last annual reports reference was made to the inconvenience and loss which the city sustains by reason of the north slip property having been handed over to the Dominion Government. There is now no available public wharf upon which to land or store street materials. Heavy wharfage has now to be paid on all materials requiring to be brought by water, besides which the expense of double handling and double truckage is frequently entailed. It would in my judgment prove economical to purchase some suitable wharf property in a central locality.

Respectfully submitted,

E. H. KEATING,
City Engineer.

The Chairman Board of Works.

Contracts Let during the Civic year ending 30th April, 1884.

DESCRIPTION OF CONTRACT.	AMOUNT OR RATE.	EXTRAS.	TOTAL.	NAME OF CONTRACTOR.	DATE OF CONTRACT.
Street Cleaning and watering	\$1000 per mo.		\$7000 00	John Naylor	
Pipes and Special Castings			2121 04	W. S. Symonds	May 9.
Contract for Gravel	23cts. per load.			D. Parker	
" " Sand	2 cts. per bus.			Harry Horn	
Sewer through Smith's Fields (Lower Section)	\$5997 00	\$207 61	6204 61	Sam'l A Marshall	June 25.
Sewer through Smith's Fields (Upper Section)	4281 00	97 50	4358 50	M. E. Keefe	July 25.
Isleville Engine House,	2089 00	15 00	2104 00	W. G. Wiswell	June 20.
6" Stop Cocks	30 00 each		180 00	A. Moir & Son	Aug. 13.
Barn, Small Pox Hospital	290 00		290 00	M. E. Keefe	Aug. 28.
Pointing down old granite crossing	20 cts. per sq. ft.		151 08	James White	Nov. 7.
Stop Cocks			540 00	A. Moir & Son	Oct. 26.
Granite Curb-Stones	63 cts. per ft.			Andrew Yeardon	
" Crossings.	50 " "			" " "	

Precipitation, 1883.

MONTH.	HALIFAX, N. S.		MONTH.	RAINFALL, 1883.
	Rain.	Snow Melted.		LOWER CHAIN LAKE.
	Inches.	Inches.		Rain.
January	2.400	2.530	January	Inches. 2.142
February	2.428	1.432	February	0.977
March	3.641	1.300	March	3.725
April	2.933	0.770	April	2.505
May	8.613		May	9.585
June	3.322		June	2.425
July	3.540		July	2.295
August	5.342		August	4.710
September	3.864		September	3.500
October	5.841		October	6.370
November	2.628	0.850	November	3.317
December	4.008	2.670	December	4.650
Rain	48.560	9.552	Total Rain	46.201
Melted Snow	9.552			
Total Precipitation,	58.112			

Snow fall, 95 4-10 inches = 9.552

Snow fall not taken at Chain Lake.

NOTE.—The returns for the city were kindly furnished by Augustus Allison, Esq., Meteorological Agent for the Dominion Government.

WATER DEPARTMENT.

List of Pipes cleaned and recleaned by Mechanical Scrapers during the Summer of 1883.

No.	LOCALITY.	Diameter of Pipe.	Length Cleaned.	Total Cost.	REMARKS.
		Inches.	Feet.	\$ c.	
1	High Service Main.....	15	29,500	10 60	Recleaned
2	North St., from Gottingen to Brunswick St.....	3	525	5 60	Cleaned.
3	Granville St., from Buckingham to Prince St.....	3	1,200	20 87	Cleaned

List of Streets where Water Pipes have been laid during the Season of 1883.

NAME OF STREET.	From	To	Diameter of Pipe in Inches.	Length of Pipe in Feet.	Total Length.
Russell St.....	Campbell Road....	St. Mark's Church...	6	588	✓
R Windsor St.....	Compton Av.....	Allen St.....	6	327	
Allan St.....	Windsor St.....	650 ft. West.....	"	650	✓
R Lemarchant St....	Coburg Road.....	430 ft. South.....	"	430	
Henry St.....	Morris St.....	170 ft. North.....	"	170	
Queen St.....	Tobin St.....	Bridge.....	"	435	Old 3 lifted.
James St.....	West St.....	William St.....	4	410	
William St.....	James St.....	110 ft. West.....	4	110	
Lorne Terrace....	.....	North End Terrace...	6	198	
R Campbell Road....	Depot Hill.....	Op. Dom'n Reservoir	6	832	4150 laid.
" "	Campbell Road....	" " " "	"	50	
Service Pipes.....	Put into.....	Houses Lead.....	1	20	
" "	" "	" "	"	40	
" "	" "	" "	"	3398	7658

100 houses supplied with Water during the Season of 1883 and Spring of 1884.

1 Domestic Hydrant, cor. Duncan and Windsor Streets.

1 " " on Jubilee Road.

3458

List of Fire Hydrants put down in 1883.

NAME OF STREET.	Where Situated.	Diameter of Pipes in Inches.	Length in Feet.	Total Length.
Russell St.....	330 ft. West from Campbell Road.....	6	9	✓
Windsor St.....	Cor. of Allan St.	6	27	✓
Allan St.....	356 ft. West from Windsor St.....	6	12	✓
Lemarchant St.....	430 ft. South from Coburg Road.....	6	12	✓
Queen St.....	Cor. of Kent.....	6	12	✓
Campbell Road.....	Opp. centre of Kenny St.....	6	13	85

Total No. of feet Excavated in 1883 and Spring of 1884.....7743

Pipe Stock on hand April 30, 1884.

No. of Pieces.	Diameter.	Weight of one.	Weight in lbs.	Weight of whole.	Cost per lb.	Total value.		REMARKS.
						\$	c.	
7	27	2651	18,564	.....	.....	.....	.....	.....
8	24	3192	25,537	.....	.....	.....	.....	.....
6	20	1263	7,578	.....	.....	.....	.....	.....
3	15	1029	3,087	.....	.....	.....	.....	.....
152	12	680	103,360	.....	.....	.....	.....	.....
262	9	533	140,712	.....	.....	.....	.....	.....
20	6	280	5,600	.....	.....	.....	.....	.....
274	4	196	53,504	.....	.....	.....	.....	.....
61	3	128	7,808	365,750	2	7,315.00	.....	.....
50	1½	25	1,250	.....	.....	.....	.....	Serv. Sd. Ps.
50	.....	12	600	.....	.....	.....	.....	Plates.
30	.....	6	180	.....	.....	.....	.....	Caps.
28	.....	1½	42	2,072	3	62.16	.....	.....

Wood Wedges.

Diameter in inches.	No. of Pieces.	Total Number of Pieces.	Cost of each.	TOTAL VALUE.
24	2100	.....	.....	.....
20	300	.....	.....	.....
15	5460	.....	.....	.....
12	5000	.....	.....	.....
9	1560	.....	.....	.....
6	1200	15,620	1¼	195.25
Key.	2500	2,500	¼	6.20

Branch Pipes and Irregular Pieces.

No. of pieces.	Diameter.	DESCRIPTION.	Weight of one in lbs.	Weight of whole.	Total Weight.	Cost.	Total Cost.
3	27	Bell Mouth.....	831	2493	2493	$3\frac{11}{12}$	\$ 97.64
1	24	Cap.....	290	290			
14	24	Thimbles.....	396	5544			
8	20	".....	234	1872			
2	20	Caps.....	200	400			
3	15	D. B. of 15 in.....	896	2688			
3	15	D. B. of 6 in. outlet.....	660	1980			
1	"	S. B. of 15 in. ".....	812	812			
2	"	Y. B. of 15 in.....	1012	2024			
7	"	Thimbles.....	234	1638			
1	"	S. B. red'g. to 12 in. 6 in. outlet	500	500			
1	"	Reducing to 12 in.....	400	400			
2	"	" to 9 in. without facet	232	464			
3	12	D. Branch.....	500	1500			
1	12	Angle piece.....	500	500			
5	12	Caps.....	45	240			
11	"	Thimbles.....	160	1760			
1	"	Reducing. to 9 in. with facet...	200	200			
3	"	" to 6 in.....	231	693			
1	"	S. B. red'g. to 9 in. 6 in. outlet...	200	200			
1	"	Reducing to 6 in., no facet.....	200	200			
2	9	Extra Branches.....	384	768			
16	"	D. B. of 9 in.....	411	6576			
11	"	S. B. of 9 in.....	351	3861			
2	"	Branch of 3 in. outlet.....	354	708			
7	"	Offsets.....	136	952			
8	"	Caps.....	36	288			
7	"	Reducing to 6 in.....	121	847	37905	3	1,137.15
8	9	Thimbles.....	107	856			
14	6	D. B. of 6 in.....	223	3122			
1	6	" " 3 in. outlet.....	180	180			
7	6	S. B. of 6 in.....	203	1421			
2	6	" " 3 in.....	160	320			
2	6	Reducing to 4 in., with facet...	124	248			
5	6	" " 3 " ".....	114	570			
2	6	" " 4 " no facet.....	94	188			
1	6	" " 3 " ".....	74	74			
6	6	Thimbles.....	71	426			
21	4	D. B. of 4 in.....	123	2583			
1	4	S. B. of 4 in.....	100	100			
3	4	Angle Branches of 4 in.....	86	258			
20	4	Thimbles.....	29	580			
16	4	Caps.....	8	128			
4	4	Reducing to 3 in., with facet...	84	336			
6	4	" to 3 in., no facet.....	74	444			
4	3	D. B. of 3 in.....	90	360			
8	3	S. B. of 3 in.....	81	648			
52	3	Thimbles.....	26	1352			
19	3	Caps.....	8	152			

Branch Pipes and Irregular Pipes.—(Continued.)

No. of Pieces.	Diameter.	DESCRIPTION.	Weight of one In lbs.	Weight of Whole.	Total Weight.	Cost.	Total Cos.	
1	2	S. B. of 2 in.	23	23				
8	2	Angle Branches of 2 in.	23	184	14,553	3	\$ 436.59	
6	24	Split Thimbles	620	3720				
1	20	" "	453	453				
9	15	" "	260	2340				
11	12	" "	222	2442				
22	9	" "	133	2926				
14	6	" "	92	1288	13,169	2½	362.14½	
12	4	Split Thimbles	64	768				
18	3	" "	48	864	1632	2½	34.88	
		Pipe Scrapers and Valves.....				1.10	519.25	
		Rubber Springs for Pipe Scr's..					195.25	
		Cutters " "				79.20	13.17	
5	12	Stopcocks				55.00	396.00	
6	9	"				32.00	330.00	
10	6	"				24.00	192.00	
8	4	"				18.00	144.00	
8	3	"				12.00	36.00	
3	2	"						
4	15	Gun Metal Screws.....	28	112				
2	12	" " "	18	36				
1	4	" " "	6	6				
1	3	" " "	5	5	159	.65	103.35	
4		Fire Hydrants, with jackets ...				66.50	266.00	
11	2½	Old Fire Hydrants.....				4.00	44.00	
3	½	Domestic Hydrant, iron.....				12.00	36.00	
4	½	" " wood.....				4.00	16.00	
7		Jackets for fire plugs.....	350	2450				
7		Rings for top of jackets.....	19	133				
7		Flanges for jackets.....	41	287				
6		Extension pieces for fire plugs.	124	744	3614	2½	90.35	
1	2	Scotch Meter, Kennedy.....				94.70	94.70	
1	1½	" " "				48.00	48.00	
2	3	American Meters, Gem				75.00	150.00	
8	¾	" " "				22.50	180.00	
2	¾	" " "				25.00	25.00	
1	½	" " "				17.50	17.50	
1	½	Siemen's Meter				22.50		
1	¾	" "				21.50		
1	½	" "				20.50	64.50	
1	½	" "				12.00	36.00	
3		Pressure Gauges.....			320	320	5½	17.50
	½	Lead Pipe.....				24	.80	19.20
36	½	Union Couplings.....				100	.35	35.00
		Brass Fittings.....					.40	60.00
		Tin Tubing.....			150		.5½	11.88
		Lead Pipe.....			216			24.00
24		Brass Stopcock for lead pipe...						100.00
		Blacksmith's Tools.....						100.00
		Carpenter's Tools.....						

RECAPITULATION.

Lbs.		DESCRIPTION.	Cost per lb. price.	Value.	Total Value.
	365,750	Pipes.....	\$ c.	8 c.	
	2,072	".....	2	7315	00
No.	15,620	Wood Wedges.....	3	62	16
"	2,500	Key ".....	1 $\frac{1}{4}$	195	25
		" ".....	$\frac{1}{2}$	6	20
Lbs.	2,493	Branch Pipes.....	3 $\frac{11}{12}$	97	64
"	52,458	" " &c.....	3	1573	74
		Split Thimbles and Bolts.....	2 $\frac{1}{2}$	396	99
		Pipe Scrapers and Valves.....		519	25
		" Rubber Springs.....		195	25
		Stop Valves, from 12 to 2 in.....		1418	00
		Gun Metal Screws.....		103	35
No.	4	Fire Hydrants, new style.....		266	00
"	11	" " 2 in., old style.....		44	00
"	3	Domestic Hydrants, iron.....		36	00
"	31	Extra Castings, for fire hyd's.....		90	50
"	18	Meters from 3 in. to $\frac{1}{2}$ in.....		504	50
"	3	Pressure Gauges.....		36	00
Lbs.	530	Lead Pipe.....		30	00
No.	24	Stopcocks for Lead Pipe.....		24	00
Lbs.	150	Tin Tubing.....		60	00
		Service Brass Fittings.....		35	00
		Blacksmith's Tools.....		100	00
		Carpenter's ".....		100	00
					\$ 13,208.83

STREET DEPARTMENT.

No. 1.

List of Streets Repaired and Macadamized, 1883-4.

No. of Ward	STREETS.	FROM	TO	Graded.	Macadamized.	No. Bushels Broken Stone.	REMARKS.
				FT.	FT.		
1	Robie.....	South.....	Mr. Ritchie's gate.....	750	.....	.....	Gutters opened, both sides.
"	South.....	Tower Road.....	Wellington.....	450	.....	.....	" " " "
"	Dresden Row.....	Rottenburg.....	Spring Garden Road.....	325	.....	.....	Prepared for broken stone.
"	Kent.....	Queen.....	Pleasant.....	775	.....	.....	" " " "
"	Birmingham.....	Rottenburg.....	Spring Garden Road.....	325	.....	.....	" " " "
"	Tobin.....	Queen.....	Pleasant.....	900	.....	.....	Slight repairs.
"	Water.....	Morris.....	Hort's Wharf.....	300	300	240	" " " "
"	Morris.....	Water.....	Hollis.....	300	300	816	" " " "
"	Spring Garden R'd.	Pleasant.....	Hastings.....	625	625	2002	" " " "
1&2	Annandale.....	Dresden Row.....	Briar's Lane.....	260	.....	.....	" " " "
2	Albamarle.....	Blower.....	Sackville.....	.....	300	616	Where required.
"	Barrington.....	Sackville.....	Grafton.....	.....	300	418	" " " "
"	Blower.....	Granville.....	Bell Road.....	750	450	756	" " " "
"	Summer.....	Jubilee.....	Sackville.....	.....	750	3376	Slight repairs.
"	Grafton.....	Spring Garden R'd.	Barrington.....	.....	625	1824	Where required.
2&3	Sackville.....	Water.....	Barrington.....	.....	150	532	" " " "
3	George.....	Granville.....	Prince.....	.....	825	1824	" " " "
"	George.....	Sackville.....	Grafton.....	.....	150	140	" " " "
"	George.....	Argyle.....	Barrington.....	.....	475	140	Lot shore gravel put on this street.
"	Prince.....	Bedford Row.....	Sackville.....	.....	300	.....	Prepared for broken stone.
"	Barrington.....	Prince.....	George.....	.....	150	.....	" " " "
"	Granville.....	Prince.....	.....	.....	.....	.....	" " " "

List of Streets Repaired and Macadamized, 1883-4.
(CONTINUED).

No. of Ward.	STREETS.	FROM.	TO.	Graded.	Macadamized.	No. Bushels Broken Stone.	REMARKS.
				FT.	FT.		
3	Hollis.....	Union Bank.....	Club House.....	.....	.....	938	Crossings raised.
4	Water.....	Duke.....	Jacob.....	.....	200	2002	
"	Hollis.....	".....	Water.....	.....	300	504	
"	Barrington.....	".....	Jacob.....	.....	900	3194	
"	Argyle.....	".....	".....	.....	675	672	
"	Bell's Lane.....	Water.....	Barrington.....	.....	150	350	
"	Jacob.....	Argyle.....	Brunswick.....	.....	450	3344	
5	Water.....	Jacob.....	Gerrish.....	.....	2625	12502	Stones from crusher.
"	Windsor.....	Compton Avenue.....	North.....	1500	.....	.....	Prepared for broken stones.
"	".....	Lawrence.....	Duncan.....	275	.....	.....	Laid wooden box and filled ditch.
"	N. George.....	West.....	Charles.....	600	.....	.....	Slight repairs.
5&6	Gerrish.....	Water.....	College Hall.....	.....	900	1960	" " opened gutters.
6	Water.....	Gerrish.....	North.....	.....	1350	4550	" " " "
"	".....	Young.....	City Prison.....	.....	3600	1120	Slight repairs.
"	Bloomfield.....	Gottingen.....	Agricola.....	900	.....	.....	" " " "
"	Kaye.....	Gottingen.....	Gottingen.....	950	.....	.....	Not finished.
"	Longard.....	Campbell Road.....	North.....	.....	950	308	Slight repairs, opened gutters.
"	Campbell Road.....	Russell.....	Water.....	.....	475	828	
"	Windsor.....	North.....	Almon.....	1200	.....	.....	" " " "
"	Kempt Road.....	".....	3 Mile House.....	8300	.....	826	" " " "
"	Union.....	Young.....	To end.....	625	.....	.....	" " " "
"	Needham.....	".....	".....	250	.....	.....	" " " "

No. 2.

List of Streets in which Granite Curb Stones have been set.—1883-4.

WARDS.	STREETS.	FROM	To	NEW.		REMARKS.
				FT.	RESET.	
1	Pleasant.....	Smith.....	Green.....	...	300	South side.
"	South Park....	Opp. Blind....	Asylum....	5.6	...	At gratings.
2	Annandale	Opposite.....	Mr. Ronne's...	5.6	...	"
"	Hollis	Sackville.....	Dr. Jennings...	...	226	Where required.
3	Granville	Prince.....	North.....	...	180	"
"	Barrington....	Corner.....	Duke.....	...	88	Op Mr. Pickering.
"	"	"	George.....	...	84	" " Newman.
4	Water	Opposite.....	Mr. Lawson's...	...	88	
5	Barrington....	Cornwallis....	Fire plug.....	212	...	East side.
"	Cornwallis....	Barrington....	Opp. O'Maley's	77	...	South side.

No. 3.

List of Crossings Laid.—1883-4.

WARDS.	STREETS.	FROM	To	NEW.		REMARKS.
				FT.	RESET.	
1	Inglis	West side..	Pleasant....	...	50	
"	Pleasant ...	North "	Inglis	36	...	Paved with granite blocks.
"	Victoria L	Corner	Pleasant....	18	...	Iron plates on gutters.
"	Gas Lane...	"	"	17	...	One iron plate on gutter.
"	Water.....	"	Morris .....	...	24	Old pavement put down.
3	Prince	East side...	Hollis .....	...	34	Iron plates put on gutter.
"	"	" "	Barrington ...	...	34	"
"	Hollis	Opp. the ...	Club House ...	...	31	4-6 inch wide.
"	"	South side	Prince .....	...	31	Cut flat; iron plates on gut'r.
"	"	North "	" .....	...	31	" " " "
"	George.....	East "	Barrington ...	...	38	" " " "
5	Pop. Grove	North "	Jacob.....	...	34	Paved with granite blocks.
"	Lockman...	Opp. St. Pa	trick's Schl. ...	...	20	" " " "

No. 4.

List of Streets in which Gutters have been Paved, 1883-4.

WARDS.	STREETS.	FROM	To	NEW.	RESHT.	REMARKS.
				FT.	FT.	
1	Pleasant.....	Smith.....	Green.....	128	300	South side.
"	Birmingham	Opposite.....	Jno. McCrow	162	...	West side.
2	Annandale...	Dresden Row	Briar's Lane.	356	...	North side.
"	Robie.....	Quinpool Rd.	McCurdy.....	226	...	West side.
"	Hollis.....	Sackville....	Dr. Jennings	180	...	East side, where req'd.
3	Granville....	Prince.....	Northerly....	84	...	Where required.
"	Granville....	Corner.....	George.....	88	...	Opp. Mr. Newman's.
"	Barrington...	".....	Duke.....	88	...	" " Pickering's.
4	Water.....	Jacot, opp...	Mr. Lawson..	212	...	West side.
5	Barrington...	Cornwallis...	to fire plug...	77	...	East "
"	Cornwallis...	Opposite Mr.	O'Malley's...	386	...	South "
"	Gerrish.....	Brunswick...	Maitland.....	86	...	" "
"	Water.....	McDanl's wf.	McKay's wf..	180	...	East "
"	West.....	Agricola.....	John.....	300	...	North "
"	".....	".....	Love Lane...	361	...	South "
"	John.....	West, half w	ay to Charles.	75	...	East "
"	West.....	John.....	Love Lane...	...	...	North "

No. 5.

List of Sidewalks Graded, Repaired and Gravelled, 1883-84.

No. WARD.	STREETS.	FROM	TO	Distance in ft.	Bushels of Gravel.	REMARKS.
1	South Park	Morris	South	600	.....	Gas ashes.
1	Pleasant	Green	Smith	300	.....	South side.
1	Queen	Dundonald	Morris	325	132	East " "
1	Brenton	Morris	Brenton Place	400	.....	" " gas ashes.
1	"	Tobin	South	150	.....	" " " "
1	Birmingham	Rottenburg	Spring Gar. R'd.	325	.....	Both sides, where required.
1	Dresden Row	"	"	325	.....	East side, " "
1	Morris	Dresden Row	Brenton	175	200	North " "
1	"	Queen	Pleasant	900	108	South " "
1	South Park	Morris	Spring Gar. R'd.	900	.....	West " not finished.
1	Tobin	Queen	Pleasant	900	192	Where required.
2	Albermarle	Blower	Sackville	300	168	East side.
2	Robie	Spring Gar. R'd.	Cemetery	300	48	" " " "
2	"	Quinpool Road	Mr. McCurdy	356	264	West side.
2	Annandale	Briar's Lane	Dresden Row	260	132	North " "
3	Hollis	Sackville	Dr. Jennings'	226	.....	Brokenshire patent.
3	Barrington	Corner	Duke	88	396	Bricks reset.
3	Granville	Opposite	Neal, White & Co.	42	.....	" " " "
3	"	"	Mr. Newman's	84	.....	Brokenshire patent.
3	"	Prince, opposite	Mr. McSweeney	100	.....	" " " "
3	George	Argyle	Brunswick	450	240	Both sides, where required.
3	Prince	"	Grafton	150	100	North side.
3	Argyle	Opposite	Mr. Mumford's	150	180	Where required.
4	Barrington	"	Mr. Chaplin's	52	.....	Brick sidewalk.
4	Duke	"	"	75	.....	" " " "
4	Argyle	Jacob	Duke	675	564	West side, where required.
4	Jacob	Argyle	Albermarle	300	96	South " "
4	Albermarle	Jacob	Buckingham	325	264	Both sides.
4	Grafton	"	"	325	336	East side.
4	"	Buckingham	Duke	325	180	West " "
4	Buckingham	Argyle	Albermarle	300	.....	Both sides, where required.
4	Bell's Lane	Barrington	Water	150	84	Where required.
4	Water	Jacob, opposite	Mr. Lawson's	88	.....	Bricks reset.
5	Barrington	From McDonald	& Co.'s north	150	60	West side.
5	Poplar Grove	Jacob	Northerly	100	24	East " where required.
5	Brunswick	Cornwallis	Maitland Ter.	450	528	West " " "
5	Gottingen	Cunard	North	1950	612	" " where required.
5	Gerrish	Brunswick	Maitland	336	192	South side.
5	West	Agricola	North George	300	504	Both sides.
5	John	West half way	Charles St.	361	348	East side.
5	North Gorge	West	Charles	600	480	" " " "
5	Water	Jacob	Gerrish	200	264	At entrance to wharves.
6	Campbell Road	Hanover	Duffus	1825	.....	Slight repairs, steam ashes.
6	Kaye	Gottingen	Campbell Road	200	.....	Where required.
6	Gottingen	Bloomfield	Almon	200	.....	West side.
6	Kempt Road	Bilby	May	625	.....	West side, not finished.

No. 6.

List of Sewer Pipes and Branches, etc., in store, April 30, 1884.

No.	SIZE.	CROCK PIPES AND BRANCHES.	SIZE OF BRANCH.
3	15	Pipes	
8	15	Single Branches.....	12
4	15	" "	9
7	12	" "	3
7	12	" "	12
33	9	" "	9
30	9	" "	6
2	9	" "	3
1	12	Double "	9
15	9	" "	6
7	9	" "	9
4	15	Angle "	15
4	15	" "	12
3	15	" "	9
1	15	Bend	
5	15	Elbows	
24	12	"	
42	9	"	

No. 7.

Street Stores on hand April 30, 1884:

Bricks, old.....	5,000
Paving Stones, loads.....	162
Granite Blocks, pavement.....	2,239
Granite Crossing, feet.....	36
Deep Curbing, feet	708
Shallow " "	217
Gratings and Frames for gutters, cast iron.....	3
Manhole Covers for sewers, cast iron.....	14

CLERK OF WORKS REPORT.

OFFICE OF COMMISSIONERS

BOARD OF CITY WORKS,

July 7th, 1884.

To the Chairman and Commissioners Board of City Works :

GENTLEMEN,—In accordance with instructions I have the honor to herewith submit for your information the accompanying Report, showing the various disbursements for the different services under your control, from May 1st, 1883, to April 30, 1884.

All of which is respectfully submitted,

J. B. JOHNSTON,

Clerk of Works.

WATER DEPARTMENT.

*Statement showing Expenditure for Maintenance Account,
Water Department, for year ending 30th April, 1884.*

Paid for	Labor.....	\$	8969 52	
"	Salaries.....		3317 03	
"	Printing, Advertising and Stationery.....		373 08	
"	Gas.....		6 50	
"	Insurance.....		2 50	
"	Hardware, &c.....		106 85	
"	Labor and material connect- ing Engine and Boiler at Workshops.....		264 05	
"	Sundry Plumbers' Work...		102 64	
"	Certain work in connection with Water Rates.....		456 00	
"	Materials for rebuilding Dam, Chain Lakes, also for re- buildi'g waste wier, Spruce Hill Lake.....		719 15	
"	Miscellaneous		678 70	\$14996 02
				\$14996 02

MONTHLY DISBURSEMENTS.

May.....	\$	2205 67	
June.....		1206 27	
July.....		599 46	
August.....		273 21	
September.....		2362 33	
October.....		2076 60	
November.....		1114 66	
December.....		1294 61	
January.....		806 79	
February.....		1162 48	
March.....		793 35	
April.....		1100 59	\$14996 02
			\$14996 02

*Statement shewing Expenditure for Construction Account,
Water Department, for year ending 30th April, 1884.*

Paid for labor ser. extens'n to houses...	\$	1221	54	
" Extens'n 6" main, Russell st..		531	94	
" " 6" main, Windsorst.		340	77½	
" " 6" main, Allen st. . .		576	04	
" " 6" main, LeMar't st.		647	03	
" " 6" main, Henry st..		181	86	
" " 6" main, Queen st..		159	88	
" " 6" main, Lorne Ter.		146	95	
" " 4" main, James st...		521	60	
" " 4" main, William st.		205	61½	
" Castings, Water Pipe, &c. . .		2644	57	
" Hardware, Lead Pipe, &c. . .		1087	58	
" Stop Valves.		545	34	
" Sundry Brass Castings.		134	59	
" Wooden Wedges.		68	12	
" Fire Plug, Campbell Road. .		11	11	\$ 8988 54
				<u>\$ 8988 54</u>

MONTHLY DISBURSEMENTS.

May.	\$	93	29	
June.		20	85	
July.		1562	06	
August.		1273	04	
September.		2174	87	
October.		1098	80	
November.		872	13	
December.		398	19	
January.		673	08	
February.		3	75	
March.		47	04	
April.		771	44	\$ 8988 54
				<u>\$ 8988 54</u>

WARD 1.

Statement shewing Expenditure for Labor, Cartage and Material for Street Work performed during the year ending 30th April, 1884.

GENERAL REPAIRS THROUGHOUT THE WARD.

To amount paid for labor.....	\$ 13 34	
" " cartage.....	8 46	
		—————\$ 21 80

WATER STREET, (Crossings, &c.)

To amount paid for labor.....	\$ 59 35	
" " cartage.....	31 50	
" " material.....	15 80	
		—————\$ 106 65

SOUTH PARK ST., (Grading, &c.)

To amount paid for labor.....	\$ 210 38	
" " cartage.....	87 84	
" " material.....	3 10	
		—————\$ 301 32

MORRIS ST., (Grading, &c.)

To amount paid for labor.....	\$ 79 70	
" " cartage.....	66 69	
" " material.....	63 36	
		—————\$ 209 75

PLEASANT STREET, (Resetting Curb, &c.)

To amount paid for labor.....	\$ 93 88	
" " cartage.....	27 54	
" " material.....	43 64	
		—————\$ 165 06

ROBIE ST., (Grading, &c.)

To amount paid for labor.....	\$ 128 67	
" " cartage.....	29 52	
		—————\$ 158 19

GOTTINGEN ST.

To amount paid in proportion for McGinnis & Sullivan property:.....	\$ 80 00	
		—————\$ 80 00

SOUTH ST., (Grading, &c.)			
To amount paid for labor.....	\$	149 66	
" " cartage.....		51 30	
			\$ 200 96
SUMMER ST., (Grading, &c.)			
To amount paid for labor.....	\$	19 22	
" " cartage.....		10 98	
			\$ 30 20
SPRING GARDEN ROAD, (Grading, &c.)			
To amount paid for labor.....	\$	52 31	
" " cartage.....		65 12	
" " material.....		50 05	
			\$ 167 48
QUEEN ST., (Repairs to Roadway.)			
To amount paid for labor.....	\$	38 65	
" " cartage.....		28 17	
" " material.....		3 30	
			\$ 70 12
DRESDEN ROW, (Grading, &c.)			
To amount paid for labor.....	\$	156 03	
" " cartage.....		59 40	
			\$ 215 43
BIRMINGHAM ST., (Repairs, &c.)			
To amount paid for labor.....	\$	61 38	
" " cartage.....		40 02	
" " material.....		13 20	
			\$ 114 60
VICTORIA LANE, (New Crossing, &c.)			
To amount paid for labor.....	\$	18 93	
" " cartage.....		3 60	
" " material.....		44 97	
			\$ 67 50
KENT ST., (Grading, &c.)			
To amount paid for labor.....	\$	124 48	
" " cartage.....		80 82	
			\$ 205 30
TOBIN ST., (Repairs, &c.)			
To amount paid for labor.....	\$	23 43	
" " cartage.....		19 26	
" " material.....		4 80	
			\$ 47 49

INGLIS ST., (Crossing, &c.)		
To amount paid for labor.....	\$	24 03
" " cartage.....		1 62
" " material.....		19 26
		\$ 44 81
"ESPLANADE" ACCT., (Freshwater.)		
To S. M. Brookfield.....	\$	150 00
" " 		65 66
		\$ 215 66
GAS LANE, (New Crossing, &c.)		
To amount paid for labor.....	\$	9 37
" " cartage.....		3 06
" " material.....		20 90
		\$ 33 33
BRENTON STREET, (Repairs, &c.)		
To amount paid for labor.....	\$	14 29
" " cartage.....		18 00
		\$32 29
DUNDONALD STREET, (Repairs, &c.)		
To amount paid for labor.....	\$	3 83
" " cartage.....		8 10
		\$11 93
		\$2499 87
CR.		
By appropriation.....	\$	2500 00
Unexpended.....	\$	13

WARD 2.

Statement shewing Expenditure for Labor, Cartage, and Material for Street work performed during the year, ending 30th April, 1884.

DR.

GENERAL REPAIRS THROUGHOUT THE
WARD.

To amount paid for labor.....	\$ 29 63	
" " cartage.....	30 24	
" " material.....	15 26	
	<u> </u>	\$ 75 13

HOLLIS STREET, (Resetting Curb, &c.)

To amount paid for labor.....	\$ 201 99	
" " cartage.....	36 90	
" " material.....	71 14	
	<u> </u>	\$ 310 03

SPRING GARDEN ROAD, (Macadamizing.)

To amount paid for labor.....	\$ 61 09	
" " cartage.....	79 16	
" " material.....	50 05	
	<u> </u>	\$ 190 30

ALBERMARLE STREET, (Grading, &c.)

To amount paid for labor.....	\$ 25 87	
" " cartage.....	26 96	
" " material.....	35 00	
	<u> </u>	\$ 87 83

BLOWER ST. (Macadamizing, &c.)

To amount paid for labor.....	\$ 10 66	
" " cartage.....	26 10	
" " material.....	37 80	
	<u> </u>	\$ 74 56

SUMMER STREET, (Repairs, &c.)

To amount paid for labor.....	\$ 69 38	
" " cartage.....	19 44	
	<u> </u>	\$ 88 82

GOTTINGEN ST.

To amount paid in proportion for Mc-Ginnis & Sullivan Property.....	\$ 80 00	
	<u> </u>	\$ 80 00

GRAFTON ST., (Paving Gutter, &c.)		
To amount paid for labor.....	\$	32 85
" " cartage.....		45 54
" " material.....		220 26
	—————	\$ 298 65
ROBIE ST., (Paving Gutter, &c.)		
To amount paid for labor.....		170 23
" " cartage.....		65 16
" " material.....		26 40
	—————	\$ 261 79
ANNANDALE ST., (Paving, &c.)		
To amount paid for labor.....	\$	146 31
" " cartage.....		51 84
" " material.....		25 30
	—————	\$ 223 45
QUINPOOL ROAD, (Repairs, &c.)		
To amount paid for labor.....	\$	10 00
" " material.....		2 10
	—————	\$ 12 10
WATER ST., (Macadamizing, &c.)		
To amount paid for labor.....	\$	3 70
" " cartage.....		18 18
	—————	\$ 21 88
SACKVILLE ST., (Macadamizing, &c.)		
To amount paid for labor.....	\$	2 65
" " cartage.....		10 26
" " material.....		54 19
	—————	\$ 67 10
BARRINGTON ST., (Macadamizing, &c.)		
To amount paid for labor.....	\$	6 70
" " cartage.....		17 30
" " material.....		22 40
	—————	\$ 46 40
		<u>\$1838 04</u>
CR.		
By Appropriation.....	\$	1800 00
Overexpended.....	\$	<u>38 04</u>

WARD 3.

Statement shewing Expenditure for Labor, Cartage, and Material for Street work performed during the year, ending 30th April, 1884.

GENERAL REPAIRS THROUGHOUT THE WARD.

To amount paid for labor.....	\$ 27 45
" " cartage.....	62 80
" " Material.....	66 58
	<u> \$ 156 83</u>
HOLLIS ST., (Raising Crossings.)	
To amount paid for labor.....	\$ 73 01
" " hauling.....	55 50
" " material.....	90 34
	<u> \$ 218 85</u>
BARRINGTON ST., (Repairs &c.)	
To amount paid for labor.....	\$ 90 94
" " cartage.....	37 26
" " material.....	17 40
	<u> \$ 145 60</u>
GRANVILLE ST., (Brokenshire, &c.)	
To amount paid for labor.....	\$ 173 14
" " cartage.....	62 28
" " material.....	20 94
	<u> \$ 256 36</u>
PRINCE ST., (Repairs, &c.)	
To amount paid for labor.....	\$ 121 97
" " cartage.....	61 48
" " material.....	21 82
	<u> \$ 205 27</u>
GEORGE ST., (Repairs, &c.)	
To amount paid for labor.....	\$ 154 29
" " cartage.....	119 44
" " material.....	37 22
	<u> \$ 310 95</u>
GOTTINGEN ST.	
To amount paid in proportion for McGinnis & Sullivan property.....	\$ 80 00
	<u> \$ 80 00</u>

SACKVILLE ST., (Macadamizing, &c.)		
To amount paid for labor.....	\$	5 58
" " cartage.....		15 30
" " material.....		54 72
	—————	\$ 75 60
GRAFTON ST., (Macadamizing, &c.)		
To amount paid for labor.....	\$	25 55
" " cartage.....		37 08
" " material.....		109 44
	—————	\$ 172 07
ARGYLE St., (Repairs, &c.)		
To amount paid for labor.....	\$	11 07
" " cartage.....		5 42
" " material.....		4 50
	—————	\$ 20 99
		<u>\$1696 27</u>
CR.		
By Appropriation.....	\$1700 00	
Unexpended.....	<u>\$ 3 73</u>	

WARD 4.

Statement shewing Expenditure for Labor, Cartage and Material for Street work performed during the year, ending 30th April, 1884.

GENERAL REPAIRS THROUGHOUT THE		
WARD.		
To amount paid for labor.....	\$	23 42
" " cartage.....		33 78
" " material.....		25 20
	—————	\$ 82 40
WATER STREET, (Repairs, &c.)		
To amount paid for labor.....	\$	47 00
" " cartage.....		66 02
" " material.....		123 14
	—————	\$ 236 16

BELL'S LANE (Macadamizing, &c.)

To amount paid for labor.....	\$	6	35	
" " cartage.....		16	66	
" " material.....		22	30	
				\$ 45 31

HOLLIS STREET, (Macadamizing, &c.)

To amount paid for labor.....	\$	7	17	
" " cartage.....		18	80	
" " material.....		25	50	
				\$ 51 47

BARRINGTON STREET, (Macadamizing, &c.)

To amount paid for labor.....	\$	77	28	
" " cartage.....		134	76	
" " material.....		174	30	
				\$ 386 34

ARGYLE STREET, (Macadamizing, &c.)

To amount paid for labor.....	\$	27	28	
" " cartage.....		45	84	
" " material.....		49	20	
				\$ 122 32

JACOB STREET, (Repairs, &c.)

To amount paid for labor.....	\$	50	79	
" " cartage.....		67	16	
" " material.....		203	04	
				\$ 320 99

GRAFTON STREET, (Repairs, &c.)

To amount paid for labor.....	\$	42	52	
" " cartage.....		35	10	
" " material.....		8	40	
				\$ 86 02

BUCKINGHAM STREET, (Repairs, &c.)

To amount paid for labor.....	\$	38	53	
" " cartage.....		24	66	
" " material.....		4	50	
				\$ 67 69

ALBERMARLE STREET, (Repairs, &c.)

To amount paid for labor.....	\$	81	27	
" " cartage.....		44	10	
" " material.....		6	60	
				\$ 131 97

GOTTINGEN STREET.

To amount paid in proportion for McGinnis and Sullivan property....	\$ 80 00	
		\$ 80 00

COR. GOTTINGEN AND FALKLAND STREETS.

To amount paid J. J. Carnell for property	\$ 105 00	
		\$ 105 00
		<u>\$1715 67</u>

CR.

By appropriation.....	\$1700 00	
Over expended.....	\$ 15 67	<u>15 67</u>

WARD 5.

*Statement shewing Expenditure for Labor, Cartage and
Material for Street Work performed during the year,
ending 30th April, 1884.*

GENERAL REPAIRS THROUGHOUT THE
WARD.

To amount paid for labor.....	\$ 75 47	
" " hauling.....	107 28	
" " material.....	130 34	
		\$ 313 09

WATER ST., (Repairs, &c.)

To amount paid for labor.....	\$ 103 68	
" " cartage.....	305 32	
" " material.....	261 80	
		\$ 670 80

LOCKMAN ST., (Repairs, &c.)

To amount paid for labor.....	\$ 13 43	
" " cartage.....	4 80	
" " material.....	4 96	
		\$ 23 19

GERRISH ST., (Macadamizing, Grading, &c.)

To amount paid for labor.....	\$ 119 59
" " cartage.....	119 47
" " material.....	47 65
	<u> </u> \$ 286 71

WEST ST., (REPAIRS, &c.)

To amount paid for labor.....	\$ 83 35
" " cartage.....	45 02
" " material.....	40 20
	<u> </u> \$ 168 57

NORTH GEORGE ST., (Grading, &c.)

To amount paid for labor.....	\$ 54 13
" " cartage.....	32 80
" " material.....	12 00
	<u> </u> \$ 98 93

JOHN ST., (Repairs, &c.)

To amount paid for labor.....	\$ 53 37
" " cartage.....	24 42
" " material.....	31 80
	<u> </u> \$ 109 59

GOTTINGEN ST., (Paving, etc.)

To amount paid for labor.....	\$ 94 78
" " cartage.....	103 58
" " material.....	15 58
" " in proportion for Mc- Ginnis & Sullivan Property.....	400 00
	<u> </u> \$ 613 94

BARRINGTON ST., (Macadamizing, &c.)

To amount paid for labor.....	\$ 127 37
" " cartage.....	13 90
" " material.....	3 30
	<u> </u> \$ 144 57

WINDSOR ST., (Mac., &c.)

To amount paid for labor.....	\$ 141 07
" " cartage.....	48 18
	<u> </u> \$ 189 25

CORNWALLIS ST., (Repairs, &c.)

To amount paid for labor.....	\$ 36 02
" " cartage.....	2 70
	<u> </u> \$ 38 72

BRUNSWICK ST., (Grading, &c.)			
To amount paid for labor.....	\$	37	33
" " cartage.....		48	26
" " material.....		13	20
			<u>\$ 98 79</u>
POPLAR GROVE, (Repairs, &c.)			
To amount paid for labor.....	\$	15	50
" " cartage.....		6	00
" " material.....		10	82
			<u>\$ 32 32</u>
ROBIE ST., (Repairs, &c.)			
To amount paid for Material, &c.....	\$	43	89
			<u>\$ 43 89</u>
			<u>\$2832 36</u>
CR.			
By Appropriation.....	\$	2700	00
Over expended.....	\$	132	36
			<u><u>\$ 132 36</u></u>

WARD 6.

Statement shewing Expenditure for Labor, Cartage and Material for Street work performed during the year, ending 30th April, 1884.

GEN. REPS. THROUGHOUT THE WARD.			
To amount paid for labor.....	\$	131	41
" " hauling.....		70	00
" " material.....		59	13
			<u>\$ 260 54</u>
KEMPT ROAD, (Macadamizing, &c.)			
To amount paid for labor.....	\$	740	31
" " cartage.....		235	44
" " material.....		25	00
			<u>\$1000 75</u>
CAMPBELL ROAD, (Macadamizing, &c.)			
To amount paid for labor.....	\$	86	28
" " cartage.....		41	58
" " material.....		15	50
			<u>\$ 143 36</u>

LONGARD ST., (Repairs, &c.)			
To amount paid for labor.....	\$	44	59
" " cartage.....		28	52
" " material.....		6	16
			<u>\$ 79 27</u>
GERRISH ST., (Grading, &c.)			
To amount paid for labor.....	\$	86	51
" " cartage.....		101	47
" " material.....		38	05
			<u>\$ 226 03</u>
WATER ST., (Macadamizing, &c.)			
To amount paid for labor.....	\$	62	99
" " cartage.....		141	06
" " material.....		214	48
			<u>\$ 418 53</u>
BLOOMFIELD STREET, (Repairs, &c.)			
To amount paid for labor.....	\$	33	97
" " cartage.....		8	10
			<u>\$ 42 07</u>
GOTTINGEN STREET, (Macadamizing, &c.)			
To amount paid for labor.....	\$	249	57
" " cartage.....		192	96
" " material.....		53	74
" " in proportion for McGinnis and Sullivan property		80	00
			<u>\$ 576 27</u>
YOUNG STREET, (Repairs &c.)			
To amount paid for labor.....	\$	28	81
" " cartage.....		5	94
			<u>\$ 34 75</u>
KAYE STREET, (Repairs, &c.)			
To amount paid for labor..	\$	64	37
" " cartage.....		20	34
			<u>\$ 84 71</u>
NEEDHAM STREET, (Repairs, &c.)			
To amount paid for labor.....		21	45
" " cartage.....		2	70
			<u>\$ 24 15</u>
DUFFUS STREET, (Repairs, &c.)			
To amount paid for labor.....	\$	32	70
" " cartage.....		3	26
			<u>\$ 35 96</u>

WINDSOR STREET.

To amount paid for labor.....	\$ 109 40	
" " cartage.....	16 96	
		—————\$ 126 36

VEITH STREET, (Repairs, &c.)

To amount paid for labor.....	\$ 8 25	
" " cartage.....	7 20	
" " material.....	10 50	
		—————\$ 25 95

—————
\$3078 70

CR.

By appropriation.....	\$3100 00	
Unexpended.....	\$ 21 30	—————

MISCELLANEOUS ACCOUNT, STREETS.

Statement showing Expenditure for Labor, Material, &c., &c.,
from 30th April, 1883, to 30th April, 1884.

DR.

To amount paid for Hardware and Tools, also material for supplying the differ- ent Wards, such as Gravel, Paving Stone, Broken Stone; Granite Curbing, and Granite Crossing, and which is charged to their separate accounts when delivered.....	\$4391 81	
	<u> </u>	\$4391 81

CR.

By amount of Appropriation.....	\$1500 00	
By sundry materials delivered to Wards.....	2177 10	
	<u> </u>	\$3677 10
		<u>\$ 714 71</u>

Cash Account, Streets.

1884.

DR.

April 30. To amount expended from May 1st, 1883, to date....	\$14,260 13	
	<u> </u>	\$14,260 13

1883.

CR

May 1. By amount of Appropriation as per Estimates.....	\$15,000 00	
	<u> </u>	\$15,000 00

1884.

May 1. By Balance to Credit.....		\$ 739 87
----------------------------------	--	-----------

Details of Street Account.

CREDITS.

Amount to credit of Ward 1..\$	13
“ “ “ 3..	3 73
“ “ “ 6..	21 30
Miscellaneous account.....	714 71
	<hr/>
	<u>\$ 739 87</u>

INTERNAL HEALTH.

Statement shewing Expenditure for Internal Health service performed during the year, ending 30th April, 1884.

Clearing gratings, gutters, &c.		
To amount paid for labor.....	\$ 309	49
Catch Pits.		
To amount paid for labor.....	597	49
Cutting snow on streets.		
To amount paid for labor.....	232	96
Ashes from City Building.		
To amount paid for labor.....	15	76
Removing snow from the City Property.		
To amount paid for labor.....	56	09
Spreading ashes on Dump.		
To amount paid for labor.....	114	30
Examining, flushing and cleaning sewers.		
To amount paid for labor.....	520	32
Cleaning round Green Market.		
To amount paid for labor.....	43	12
General Work.		
To amount paid for labor.....	912	40
		<u>\$ 2801 93</u>
Rebuilding Culvert, (Tower Road.)....	\$	14 77
Naylor's Contract.		
To amount paid as per Contract for Street Cleaning and Watering..	6550	00
Nicholson's Account.		
To amount paid as per Contract for removal of ashes.....	1400	00
Naylor's Account, (other than Contract.)		
To amount paid for labor.....	470	78
Naylor's Account, (Machines).....	275	00
Sundry Accounts, (Materials, &c.)....	230	63
		<u>\$ 8941 18</u>
		<u>\$11,743 11</u>

MONTHLY DISBURSEMENTS.

May.....	\$ 1350 00	
June.....	1449 38	
July.....	1006 92	
August.....	2301 38	
September.....	1311 42	
October.....	1182 76	
November.....	1748 47	
December.....	119 45	
January.....	59 86	
February.....	86 72	
March.....	309 60	
April.....	817 15	
		—————\$11,743 11
		————— <u>\$11,743 11</u>

CITY PROPERTY.

Statement shewing Expenditure for Maintenance of City Property for year, ending April, 30th 1884.

Paid Sundry repairs City Building.....	\$	433	11
“ “ City Market Building....		32	42
“ “ Exhibition do.		26	51½
“ “ Ladder House Grafton st.		177	21
“ “ Central Engine House. .:		191	71
“ “ Engine House, Fresh'tr,		30	00
“ “ “ “ Isleville..		189	24
“ “ Gerrish st. Engine House		38	48
“ “ No. 6 “ “		16	93
“ “ Parade Fence.....		11	84
“ “ Ferry slip Building.....		82	75
“ “ Fence, Freshwater.....		41	47
“ “ Fuel.....		41	55
“ “ Hardware.....		77	36
“ Printing and Advertising.....		13	08
“ Insurance.....		304	53
“ Caretaker Exhibition.....		265	00
“ Keeper of City Clock ...		100	00
“ Miscellaneous.....		93	77
		\$	2166 97

MONTHLY DISBURSEMENTS.

May.....	\$	65	00
June.....			
July.....		334	94
August.....		107	18
September.....		311	15
October.....		344	68
November.....		296	78
December.....		304	42
1884.			
January.....		169	88
February.....		92	20
March.....		54	52
April.....		86	22
		\$	2,166 97
		\$	2,166 97

SPECIAL GRANT FOR NEW ENGINE HOUSE, ISLEVILLE.

1883.

Paid for Construction New Engine		\$ 2,000 00
House, Isleville		\$ 2,000 00
		\$ 2,000 00

CONTINGENT ACCOUNT.

1883-'84.

Paid Bell Telephone Co. rent of Tele-		200 00
phone		\$ 200 00
		\$ 200 00

FUEL ACCOUNT.

*Statement shewing Expenditure for Fuel for City Building
and offices Board of City Works, &c., for year ending
April 30th, 1884.*

Paid for Kindling Wood	\$ 34 50	
" Coal City Building	258 00	
" " Offices Board of Works.	116 50	
		\$ 409 00
		\$ 409 00

Abstract Statement showing the Expenditure for each Service per month, with totals, for year ending 30th April, 1884.

	May.	June.	July.	August.	September.	October.	November.	December.	January	February.	March.	April.		
Water Service, Maintenance Account.....	\$2205 67	\$1206 27	\$ 590 46	\$ 273 21	\$2362 33	\$2076 00	\$1114 66	\$1204 61	\$ 806 70	\$1162 48	\$ 793 35	\$1100 59	\$14,906 02	
Water Service Construction Account.....	93 20	20 85	1562 06	1273 04	2174 87	1098 80	872 13	398 10	673 08	3 75	47 04	771 44	8988 54	
Street Service.....	.....	247 71	512 00	1526 55	3118 69	4654 50	2353 61	161 57	90 85	265 49	196 19	1132 97	14,260 13	
Internal Health.....	1350 00	1449 38	1006 92	2301 38	1311 42	1182 76	1748 47	119 45	59 86	86 72	309 60	817 15	11,743 11	
Sewerage.....	.....	.....	150 00	2721 56	2657 00	3075 00	2492 11	426 00	.....	.....	.....	.....	11,521 07	
City Property.	65 00	.....	334 94	107 18	311 15	344 68	296 78	304 42	169 88	92 20	54 52	86 22	2166 97	
Special Grant for building New Engine House, Isleville.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2000 00	
Fuel Account....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	409 00	
Contingent Account.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	200 00	
														\$66,285 64

J. B. JOHNSTON,

Clerk of Works.

CITY CLERK'S REPORT.

CITY CLERK'S REPORT.

OFFICE OF CITY CLERK,

Halifax, July 22nd, 1884.

To His Worship the Mayor and City Council:

I have the honor to submit, for your information, my report of the amount of fines and fees received in the Police Court, with fees in City Court, from 1st May, 1883, to 30th April, 1884, with a general summary of the amounts received from all sources, together with the whole number of cases including those for whom writs were issued.

I have the honor to be,

Gentlemen,

Your obedient servant,

THOS. RHIND,

City Clerk.

Return of Fines and Fees received in the Police Court from 1st May, 1883, to 30th April, 1884, with the number of cases before the Court each month, including cases for which warrants were issued, and settled out of Court :

MONTHS.	Fines Imposed.	Fines Unpaid.	Fines Paid.	Fees Paid.	No. of Cases entered, includ'g warrants issu'd.
1883.					
May	\$ 311 00	\$ 63 00	\$ 248 00	\$ 49 85	176
June.....	382 00	105 00	277 00	56 05	174
July.....	482 50	168 00	314 50	63 95	180
August.....	528 00	176 75	351 25	65 50	176
September..	452 50	131 00	321 50	47 50	167
October....	691 00	438 00	253 00	53 40	213
November..	578 50	288 00	230 50	60 90	184
December ..	701 00	455 00	246 00	43 20	151
1884.					
January....	225 50	109 00	116 50	18 05	106
February...	383 00	146 00	237 00	43 85	541
March	260 00	124 50	135 50	54 75	144
April	407 00	218 00	189 00	63 10	173
	\$5342 00	\$2422 25	\$2919 75	\$ 620 10	1985

*Return of Fees received in City Court, from 1st May, 1883,
to 30th April, 1884:*

MONTHS.	Fees City Court.	MONTHS.	Judgment Fees City Court.
1883.		1883.	
May	\$ 47 40	May	\$ 30 00
June	50 85	June	23 00
July	69 30	July	47 00
August	61 20	August	47 00
September	64 35	September	40 00
October	62 15	October	37 00
November	64 20	November	45 00
December	46 60	December	28 00
1884.		1884.	
January	39 00	January	27 00
February	47 00	February	31 00
March	43 50	March	23 00
April	44 65	April	28 00
	\$ 640 20		\$ 406 00

*Summary of Fines, Fees, Dog Tax, Exhibition Licenses and other amounts received at City Clerk's Office
and paid over to the City Treasurer, from 1st May, 1883, to 30th April, 1884.
total compared with Estimate of Committee of Public Accounts.*

MONTHS.	Fines Police Court.	Fees Police Court.	Fees City Court.	Judgment Fees City Court.	Dog Tax.	Bankers' License.	Exhibition License.	Sweep License.	Detective Service.	City Seals.	Sundries.	TOTAL.
1883.												
May.....	\$248 00	\$49 85	\$47 40	\$30 00	\$44 00	\$25 00	\$69 00	\$ 8 00	.....	.....	.....	\$ 521 25
June.....	277 00	56 05	50 85	23 00	8 00	.....	29 00	.....	65 00	.....	.....	508 90
July.....	314 50	63 95	69 30	49 00	2 00	.....	58 00	8 00	.....	.....	.....	562 75
August.....	351 25	65 50	61 20	47 00	6 00	.....	.....	.....	20 00	1 50	.....	552 45
September.....	321 50	47 50	64 35	40 00	.....	.....	27 00	.....	.....	.....	.....	500 35
October.....	253 00	53 40	62 15	37 00	.....	.....	19 00	.....	40 00	3 50	0 50	468 05
November.....	230 50	60 90	64 20	45 00	.....	.....	.....	.....	.....	1 50	.....	402 10
December.....	246 00	43 20	46 60	28 00	1 00	.....	4 00	.....	.....	1 50	.....	460 30
1884.												
January.....	116 50	18 05	39 00	27 00	35 00	.....	.....	.....	90 00	.....	.....	245 05
February.....	237 00	43 85	47 00	31 00	232 00	.....	8 00	.....	.....	1 50	.....	604 85
March.....	135 50	54 75	43 50	23 00	165 00	.....	14 00	.....	.....	1 50	.....	423 25
April.....	189 00	63 10	44 65	28 00	86 00	50 00	58 00	.....	220 00	.....	.....	738 75
												\$ 5988 05
Total amount received.....						\$5988 05						
Amount estimated for 1883-4.....						5900 00						
Overplus.....						\$ 88 05						

CITY PRISON REPORT.

CITY PRISON REPORT.

CITY PRISON, Halifax, N. S., May 2, 1884.

The Chairman and Members of City Prison Committee :

GENTLEMEN,—I have the honor to submit for the information of the City Council and the public, my report as Governor of the City Prison for the civic year ending 30th day of April, 1884.

The tables appended to the report (11 in number), are intended to show :

1. The number of persons of each sex admitted during the year, and the offences for which they were sentenced ;
2. The amount and estimated value of labor performed at prison and on farm by men, women and horses ;
3. The daily cost and average for year of maintenance of male and female prisoners respectively ;
4. The quantity and estimated value of clothing furnished, &c., in the prison at end of year ;
5. The number and estimated value of horses, carts, &c., at date ;
6. The number and estimated value of implements used on farm, &c. ;
7. The quantity and value of stone shed implements and amount of stock on hand ;
8. The estimated value of tools and materials in workshops ;
9. The quantity and market value of farm produce raised for prisoners' use ;
10. Amount due to prison for labor performed and stock sold ;