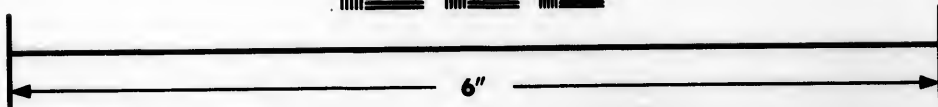
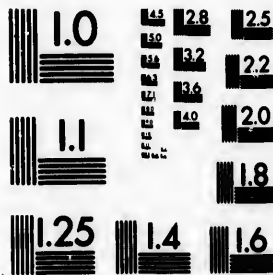


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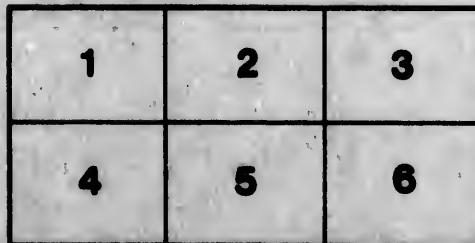
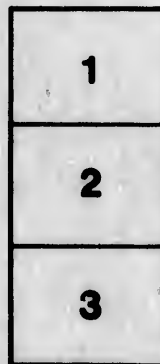
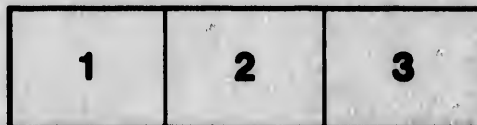
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ANNUAL REPORTS

—OF THE—

CORPORATION

—OF THE—

CITY OF VICTORIA

—FOR THE—

YEAR ENDING 31st DECEMBER,

1891

JOHN GRANT, - - - MAYOR.

VICTORIA, B. C.
THE COLONIST STEAM PRINTING HOUSE, GOVERNMENT ST.
1892.

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WARD.

James Bay.

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Yates Street

Johnson Str

Extension.

Report of the Street Committee.

CITY HALL, VICTORIA, B. C.,
6th JANUARY, 1892.

To His Worship the Mayor and Board of Aldermen :

GENTLEMEN,—Your Committee have the honor to submit the following statement, showing the work performed during the year, including contracts, box drains laid, rock taken out by steam drill, rock broken by rock crusher, rock broken by hand, streets macadamized and repaired, sidewalks laid by contract and by city carpenter during the year :

CONTRACT ON HAND AT CLOSE OF 1890, AND COMPLETED IN 1891.

WARD.	NATURE OF WORK.	CONTRACTOR.	COST.
Johnson Street.....	Concrete filling at Rock Bay bridge.....	W. Luney.....	\$668 00

WORK PERFORMED BY CONTRACT DURING THE YEAR.

WARD.	STREET.	NATURE OF WORK.	CONTRACTOR.	COST.
James Bay.....	Menzies.....	Box drain.....	C. Williams.....	\$ 700 00
" ".....	" ".....	" ".....	H. H. McDonald	1,943 50
" ".....	Dallas road.....	Crib work.....	J. Cox.....	1,250 00
" ".....	Government.....	One stone crossing.....	H. H. McDonald	113 75
" ".....	Fort.....	" ".....	H. H. McDonald	282 75
" ".....	" ".....	Repairs to James Bay bridge.....	R. McIntosh.....	1,485 87
Yates Street...	Johnson.....	Two stone crossings.....	H. H. McDonald	291 00
" ".....	Yates.....	One stone crossing.....	John Mortimer...	145 60
Johnson Street.	Government.....	" ".....	H. H. McDonald	198 25
" ".....	Bridge.....	Grading.....	G. Lyall.....	392 88
Extension.....	Sannich road.....	" ".....	H. Courtney.....	2,501 50
" ".....	Oak Bay avenue..	" ".....	T. F. Sinclair...	950 00
" ".....	" ".....	Survey city boundary..	Gore & Burnett...	795 00
" ".....	" ".....	Hydrants and valves for use of street sprinkler	Wilson Bros.....	319 50
" ".....	" ".....	Set of new wheels for sprinkler.....	Ledingham Bros..	68 35

BOX DRAINS LAID DURING THE YEAR.

Yates Street Ward.....	1,599 feet.
James Bay Ward.....	5,690 "
Johnson Street Ward.....	9,655 "
Extension City Limits.....	3,920 "

ROCK BROKEN BY HAND.

Johnson Street Ward.....	531 yards.
Yates Street Ward.....	793½ "
James Bay Ward.....	1,163 "
Beacon Hill Park.....	210¼ "
	<u>2,698¼ "</u>

ROCK TAKEN OUT BY STEAM DRILL.

Yates Street Ward.....	2,500 yards.
------------------------	--------------

ROCK BROKEN BY CRUSHER.

Pandora Street.....	4,550 yards.
Wharf Street.....	4,100 "
	<u>8,650 "</u>

NEW SIDEWALKS LAID BY CONTRACT.

JOHNSON STREET WARD.

2,572 feet.....	4 feet wide.
6,612 ".....	6 " "
363 ".....	8 " "
910 ".....	10 " "

10,457 feet.

YATES STREET WARD.

1,965 feet.....	6 feet wide.
118 ".....	10 " "
378 ".....	12 " "

2,461 feet.

JAMES BAY WARD.

500 feet.....	2 feet wide.
765 ".....	4 " "
907 ".....	5 " "
10,465 ".....	6 " "
283 ".....	8 " "

12,920 feet.

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EXTENSION CITY LIMITS.

3,144 feet.....	4 feet wide.
8,410 "	6 " "
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11,554 feet.	

NEW SIDEWALKS LAID BY CITY CARPENTER.

Johnson Street Ward.....	1,953 feet.
Yates Street Ward.....	947 "
James Bay Ward	1,191 "
Extension City Limits.....	972 "
<hr/>	
	5,063 feet.

SIDEWALKS REPAIRED BY CITY CARPENTER.

Johnson Street Ward.....	3,552 feet.
Yates Street Ward.....	5,581 "
James Bay Ward	1,973 "
<hr/>	
	11,106 feet.

THE FOLLOWING STREETS WERE MACADAMIZED
DURING THE YEAR:

Saanich Road, part of.	School Street.
Rithet Street.	Simcoe Street, part of.
Mcziess Street, part of.	Niagara Street, part of.
North Park Street.	Pandora Street, North.
Caledonia Avenue.	Government Street, part of.
Frederick Street.	Princess Ave., Douglas to Government St.
Chatham Street.	Bay Street, Douglas to Government Street.
Phoenix Place.	Toronto Street, part of.
Orchard Street.	Bridge Street, "
Pakington Street.	Herald Street, "
Pleasant Street.	Store Street, "
David Street.	Johnson Street, "
South Turner Street.	Blanchard Street, "
Randell Street.	Pandora Avenue, "
Cobourg Street.	Harrison Street, "
St. James Street.	

The city limits having been extended, the new boundary was surveyed by Messrs. Gore & Burnett, and boundary stones properly marked with the letters C. B. placed at every angle, and on lines exceeding ten chains in length smaller stones have been placed for the purpose of defining the line.

The survey of the portion of the city lying between the old and new boundaries was put in hands early in the year.

That portion bounded by the shore lines of Victoria Arm, Victoria harbour, and that portion of the new boundary running from Victoria harbour to Victoria Arm, including Victoria West, is completed, and the Commissioners appointed for the purpose have defined the centres of Catherine and Mary streets, so that the Board can now authorize the defining of street lines in Victoria West.

The remainder, a portion of which was surveyed by Mr. Cridge, and another portion by Mr. Tuck, is not yet completed (the field work is finished). The plans are in hands and in a short time will be ready for the Commissioners.

Your committee have the honor to be, gentlemen,

Your obedient servants,

A. J. SMITH,
F. G. RICHARDS, JR.,
J. HOLLAND.

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Report on By-Laws.

VICTORIA, B. C.,

JANUARY 8th, 1891.

To His Worship the Mayor and Board of Aldermen :

GENTLEMEN,—I have the honor to inform you that the subjoined list is a correct record of the numbers, title and dates of the By-laws that have passed the Council during the year just closed :

Number.	TITLE OF BY-LAWS.	Passed First Reading.	Assented to by the Ratepayers.	Finally passed.
131	The Bank Credit By-law, 1891.....	Feb. 4	.....	Feb. 11
132	Estimates By-law	Feb. 4	.....	Feb. 14
133	A By-law to Establish the Grades of Streets within the City	Feb. 18	.....	Mar. 18
134	A By-law to Amend the Revenue By-law, 1889.....	Feb. 18	.....	Mar. 18
135	The Bank Credit By-law ..	May 20	.....	June 3
136	The Street Commissioner Appointment By-law.....	Feb. 11	.....	June 5
137	The Agricultural Association By-law	May 22	.....	June 11
138	The Park Amendment By-law.....	May 13	.....	June 11
139	The Assessment Roll By-law.....	May 20	.....	June 11
140	The Revenue By-law Amendment By-law, 1891.....	June 17	.....	June 29
141	The Police Magistrate Legal Advisers Appointment By-law	Aug. 5	.....	Aug. 12
142	The District Telegraph By-law.....	July 22	.....	Aug. 5
143	The Gravel Pits Sale By-law	July 22	.....	Aug. 5
144	Deluge Fire Engine House Sale, By-law No. 2.....	July 2	Aug. 18	Aug. 19
145	The North Road Closure By-law, 1891.....	Aug. 26	.....	Sept. 2
146	Bank Credit Amendment By-law No. 2	Sept. 22	.....	Oct. 5
147	The Land and Improvement Rate By-law	Sept. 23	.....	Oct. 5
148	Market By-law.....	Nov. 11	.....	Dec. 7
149	Agricultural Association Loan By-law	Nov. 28	Dec. 9	Dec. 9
150	The Voters' Revision By-law.....	Dec. 2	.....	Dec. 9
151	Commissioners of Sewers Appointment By-law.....	Nov. 18	.....	Nov. 25
152	Municipal Election By-law.....	Dec. 30	.....	Jan. 2
153	Market Superintendent By-law.....	Dec. 30	.....	Jan. 2

I beg to report also that there has been held 47 regular, 29 special, 2 adjourned and 1 Statutory meeting of the City Council, during the past year.

I have the honor to be,
Gentlemen,
Your obedient servant,

WELLINGTON J. DOWLER,
C. M. C.



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Victoria Fire Department.

Chief Engineer's Report for Year Ending 31st December, 1891.

OWLER,
C. M. C.

To His Worship the Mayor and Aldermen :

GENTLEMEN,—In compliance with the rules and regulations governing the Fire Department of the City of Victoria, I have the honor to submit my fourth annual report for the year ending 31st December, 1891.

Therein will be found a list of officers and firemen, record of fires and alarms, estimated loss, list of alarm boxes, number and location of hydrants and cisterns, inventory of apparatus, also such suggestions and recommendations that may appear necessary to make the Fire Department more efficient.

During the year fifty-seven alarms of fire were sent in, with a loss estimated at \$10,975. The city covers an area of 4,500 acres, has buildings assessed at \$6,676,830, and a population of 25,000. The loss by fire is far below the record of any city of the same size in the United States or the Dominion. During four years all fires were kept from extending to adjoining property. Not one brick building was destroyed, and but four wooden buildings burned completely. Three of the buildings—the Rock Bay House, Wightman's grocery store and the Woodbine Cottage—were over a mile from the nearest fire hall.

NEW FIRE HALLS.

The large number of valuable buildings in the new limits calls for at least three new fire stations. The first place re-

quiring protection is Victoria West. In that locality several fire hydrants should be located. The seven-inch main along Esquimalt road is owned by a private company, but I am informed that the Corporation would have no difficulty in renting hydrants. The pressure is forty pounds at the junction of Esquimalt and Craigflower roads. In order to meet the requirements of the Northern and Western portions of the city a fire hall is required on John street.

A second engine house is required in the Eastern section of the city in the vicinity of Fernwood road and Yates street. It will be necessary to place an engine and hose cart in that section to do effective work.

The fire hall on Kingston street, James Bay, should be enlarged, and a hose wagon should be placed in the building. The water pressure is good in James Bay Ward, and in that portion south of James Bay bridge seventeen hydrants have been placed.

HYDRANTS.

During 1891 very few hydrants were connected. In some localities the department would be useless on account of lack of water. There are no hydrants in the new section. On Cadboro road the hydrant nearest to the buildings in the new limits is at the corner of Pemberton street. In the Western portion the nearest hydrant to Victoria West is on the junction of John and Pleasant streets, north of Point Ellice bridge. The Spring Ridge section requires hydrants, and I would respectfully recommend that tenders be called for at once for supplying fifty hydrants. In connection with this question permit me to call attention to the following paragraph taken from the last annual report of the Water Commissioner: "Double the number of hydrants could be advantageously placed in the city than are now at present, and, if Victoria is to continue to enjoy her immunity from disastrous conflagrations, it would be as well to take more

precaution present. principal streams over-estim

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precautionary measures in the shape of hydrants than at present. Larger street mains are required on some of our principal streets, as the value of a number of efficient hydrant streams with nearly the pressures shown above cannot be over-estimated."

CHEMICAL ENGINE.

In my last annual report appeared a recommendation for the purchase of a chemical engine. I imagine that every ratepayer is convinced that a chemical engine is required in this city at once, and, in order to avoid expense, I would recommend the purchase of a combined chemical engine and hose wagon. The combined machine would carry 500 feet of fire hose, and a tank containing 60 gallons of fluid with 150 feet of one-inch hose. It will serve for small or large fires, and will take the place of a hose wagon. The combined chemical and hose wagon will not weigh more than an ordinary chemical engine and will be more useful.

HOSE.

During 1891 the hose used at fires was tested frequently and only one length was found useless. The hose on hand is in fairly good condition and sufficient for the present.

DANGEROUS BUILDINGS.

On all the principal streets can be seen a number of old wooden buildings which endanger surrounding property. During the dry season a large conflagration is liable to occur, especially in the Chinese quarter. A stringent building By-law is required. Even the better class of buildings have no pretensions to security from fire. In all large cities the main question with owners is "How to construct buildings to be safe from fire?" The fire loss in the United States during 1891 amounted to \$125,000,000. This proves that fire is a good servant, but a poor master. It remains with the owners of property whether the small losses

by fire during the past will continue. Freedom from disastrous fires is often the cause of utter disregard for the safety of property. Carelessness is the cause of fires in many instances, and it is to be hoped that the citizens will endeavor to assist the Council and fire department by always complying with the laws for the prevention and suppression of fires.

ELECTRIC WIRES.

During 1891 the Fire Department were called on to suppress fires caused by the electric wires. The firemen find wires hampering them in their work on all the principal streets. The men are always willing to fight fire, but they dislike working among wires. Fortunately no serious accidents occurred, but something should be done for the safety of life and property. Wires run over house tops and through streets, carrying death dealing currents. At any moment several fires might be caused by crossed wires, and the small Fire Department in this city would be almost powerless. A competent inspector of wires is needed, and a By-law should be passed regulating the erection of wires and poles.

SALVAGE CORPS.

The only means of saving goods endangered by water, is removing the goods from the buildings. It would be to the interest of insurance companies and owners of goods to supply the department with covers. The expense connected with a salvage corps would be too heavy for a city the size of Victoria.

ALARM SYSTEM.

During the year I made several changes in the location of boxes. I would recommend placing boxes on Cadboro Road, Fernwood Road, Craigflower Road and Rithet Street. In the business portion, insulated wire replaced the bare wire. The system requires a great deal of attention.

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GENERAL.

The Yates Street Fire Hall requires repairs. No. 1 Fire Hall, on Pandora street, is in good order. Thirteen men sleep in the two stations.

The call system works fairly well, but it is only a question of time when Victoria will find it more advantageous to have a permanent force. Twenty call men with seven engineers and drivers are insufficient to cope with a large fire.

At present the city has but one steam fire engine, two horse hose carriages and one truck in service. The area of Victoria is 4,500 acres. The value of buildings and contents is estimated at \$13,000,000. On all the main streets large buildings are in course of construction, and it is plainly apparent that this city should have more apparatus in service. There are two steam engines and a hose wagon in reserve, but we require houses, horses and men to place the engines and hose wagon in service.

The water front, wharves and mills are unprotected.

Coal oil is a source of danger, and it is a fact that hundreds of cases of oil have been stored within the fire limits. The large quantity allowed in brick buildings is likely to cause a conflagration. The Standard Oil Company should be compelled to construct warehouses in the vicinity of this city. The only way to bring this about would be to restrict the quantity allowed in any building within the city limits.

On behalf of the Fire Department I thank Your Worship, Chairman Richards, Firewardens Munn and Coughlan, and the Board of Aldermen for the interest manifested in all business pertaining to the Department.

The Superintendent of Police, with his officers and men, were always ready and willing to assist the firemen and deserve credit.

Regarding the officers and members of the Fire Department their good work during the year is before you, and it is unnecessary for me to make any comment on the faithful services performed by every man on the Department roll.

Respectfully submitted.

THOMAS DEASY,
Chief Engineer, Victoria Fire Department.

LIST OF OFFICERS AND MEMBERS, VICTORIA
FIRE DEPARTMENT.

No. 1 COMPANY.

NAME.	OCCUPATION.
M. J. Conlin.....	Foreman.
D. Henry.....	Driver.
C. Palmer.....	Tillerman.
W. Bryce.....	Hook and Ladder Man.
T. Watson.....	" " "
J. Bryce.....	" " "
H. Murray.....	" " "
Geo. Watson.....	" " "

No. 2 COMPANY.

F. Hinds.....	Foreman.
C. Bush.....	Engineer.
D. McDougall.....	Driver.
L. McNeill.....	"
T. Hodges.....	Hoseman.
W. B. Agnew.....	"
W. Neal.....	"
G. Ledingham.....	"
W. Duncan.....	"
W. Rendell.....	"

No. 3 COMPANY.

H. McDowell.....	Foreman.
F. Atkinson.....	Engineer.
J. McNeill.....	Driver.

LIST

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LIST OF OFFICERS AND MEMBERS—Continued.

NAME.	OCCUPATION.
J. Hay.....	Hoseman.
T. Kinsey	"
E. Whitcomb	"
P. Manson.....	"
R. Ledingham.....	"
Thomas Deasy.....	Chief Engineer.
C. N. Gowen.....	Asst. "
T. Watson.....	Supt. Fire Alarm.

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e you, and it is
n the faithful
tment roll.

ASY,
e Department.

VICTORIA

HYDRANTS.

PATION.

Ladder Man.
" "
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" "

LOCATION.	PRESSURE.
	LBS.
S. E. Douglas and Cormorant.....	50
N. W. Cormorant and Blanchard	45
S. E. Cormorant and Amelia.....	44
N. E. North Park and Quadra	40
N. W. Chatham and Quadra	42
N. W. Chatham and Cook.....	44
N. W. Caledonia and Chambers	36
N. W. Fernwood and Chatham	38
N. W. Fernwood and Pandora.....	26
N. W. Fernwood and Yates.....	22
S. W. Fort and Pemberton.....	14
N. E. Fort and Moss.....	22
S. W. Belcher and Moss.....	40
N. W. Cook and Bellott.....	54
N. W. Cook and Franklyn.....	52
N. W. Cook and Parkington.....	62
N. E. Vancouver and Franklyn.....	52
S. W. Collinson and Dupont.....	56
S. E. Collinson and Maclure	60
Junction Douglas and Humboldt.....	60
N. E. Douglas and Rae.....	56
N. W. Blanchard and Rae.....	46
N. W. Quadra and Burdette.....	40
N. E. Fort and Quadra.....	48
N. W. View and Quadra.....	50
N. W. View and Vancouver	52
N. W. View and Cook.....	50
N. W. Fort and Cook.....	50

HYDRANTS—Continued.

LOCATION.	PRESSURE.
	LBS.
N. W. View and School	30
N. W. Johnson and Chambers	42
N. E. Johnson and Cook	45
N. W. Cook and Pandora	42
N. W. Alfred and Chambers	38
N. W. Chambers and North Park	36
N. W. Cook and North Park	40
S. W. Blanchard and Chatham	42
N. E. Blanchard and Pioneer	42
S. W. Queen's Avenue and Blanchard	46
S. W. Second and King's Road ..	54
N. W. King's Road and Fourth	56
S. W. Second and Hillside	52
Junction Government and Douglas	57
N. W. Gorge Road and Rock Bay Avenue	58
N. E. John and Rock Bay Avenue	64
N. W. John and Bridge	65
S. W. John and Pleasant	64
N. W. Turner and Work	63
Sayward's Mill	65
Murihead & Mann's Mill	60
S. W. Store and Discovery	63
Rice Mill, Store Street	64
S. E. Store and Fisguard	60
S. E. Store and Cormorant	62
South side Cormorant	60
N. E. Johnson and Store	62
N. side Johnson, between Government and Store	62
N. E. Yates and Wharf	64
N. E. Fort and Wharf	62
N. E. Langley and Fort	56
S. E. Langley and Broughton	65
N. W. Yates and Oriental	56
N. E. Government and Yates	50
S. E. Government and Johnson	55
S. W. Government and Cormorant	62
S. W. Government and Chatham	60
S. E. Government and Discovery	70
S. E. Government and Princess	72
S. E. Pembroke and Douglas	62
S. E. Douglas and Herald	50
N. W. Douglas and Johnson	52

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FIRE ALARM BOXES.

SOUTH OF JAMES BAY BRIDGE.

NO.	LOCATION.
4	Dallas Road, corner Simcoe Street.
5	Montreal Street, corner Kingston.
6	Menzies Street, corner Kingston.
7	Montreal Street, corner Simcoe.
8	Menzies Street, corner Simcoe.
16	Birdcage Walk, corner Superior.
52	Oswego Street, corner Michigan.

NORTH OF JAMES BAY BRIDGE.

13	Rupert Street, corner Humboldt.
14	Johnson Street, corner Government.
15	Constance Street, corner Discovery.
23	Fort Street, corner Quadra.
24	Cook Street, corner Caledonia Avenue.
25	Fisguard Street, corner Government.
26	Rock Bay, corner John and Bridge.
31	Fire Hall, Yates Street.
32	Spring Ridge.
34	Vancouver Street, corner Burdette.
35	Yates Street, corner Wharf.
41	Fountain, Douglas Street.
42	Blanchard, corner Chatham.
43	Fort, corner Moss.
45	Yates, corner Cook.
51	Second, corner King's Road.
53	Douglas, corner Discovery.
54	Pandora, corner Quadra.
61	Fire Hall, Pandora Street.
62	View, corner Blanchard.
63	Humboldt, corner Douglas.
64	Government, corner Fort.

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INVENTORY.

FIRE DEPARTMENT PROPERTY.

Engine house and lot, Yates street.....	\$18,000 00
Fire alarm system.....	6,300 00
Merryweather steam fire engine.....	5,700 00
Preston truck.....	4,400 00
3,900 feet carbolized hose.....	3,600 00
2,400 feet cotton hose, 3 ply, rubber lined.....	2,000 00
9 Horses.....	2,000 00
Deluge steam fire engine.....	1,400 00
Tiger steam fire engine.....	1,400 00
1 Hose wagon.....	400 00
1 Four wheel, two horse hose carriage.....	800 00
1 Two wheel, one horse hose cart.....	500 00
2 Hand engines.....	900 00
1 Engine house, James Bay.....	700 00
3 Sets double harness, 2 sets single.....	500 00
4 Fire bells.....	400 00
1 Fire escape.....	50 00
1 Somerville ladder.....	50 00
2 Extinguishers.....	80 00
10 Electric alarms.....	150 00
18 Gum coats.....	100 00
22 Pairs gum boots.....	60 00
Relief valves and nozzles.....	100 00
2 Saddles.....	10 00
6 Stoves.....	75 00
300 Feet garden hose.....	40 00
Furniture, bedding, etc.....	250 00
15 Hydrant keys.....	20 00
16 Lanterns.....	20 00
6 Leakstops.....	10 00
3 Clocks.....	20 00
4 Siamese couplings.....	20 00
2 Hammers.....	2 00
2 Cape chisels.....	2 00
2 Hose expanders.....	30 00
1 Old extinguisher.....	10 00
2 Monkey wrenches.....	5 00
2 Sprinklers.....	2 00
2 Large hammers.....	3 00
Electricians tools.....	10 00
1 Large gong.....	60 00
<i>Carried forward</i>	<u>\$50,179 00</u>

<i>Brought forward</i>	\$50,179 00
2 Hay forks	2 00
2 Shovels.....	2 00
2 Stamps.....	2 00
Navy couplings.....	8 00
Screw driver and wrench.....	3 00
2 Coal buckets.....	3 00
1 Set steelyards	5 00
8 Buckets.....	12 00
1 Silsby heater.....	60 00
9 Horse blankets	30 00
1 Vise.....	25 00
1 Wheelbarrow.....	5 00
40 Helmets	60 00
1 Letter press	2 00
2 Force pumps	20 00
1 Jumping sheet.....	10 00
4 Hose holders.....	4 00
2 Sliding poles.....	50 00
Siamese coupling on engine.....	20 00
3 Smoke protectors	3 00
4 Feed boxes.....	4 00
1 Saw.....	2 00
3 Whips.....	3 00
11 Pipes.....	50 00
4 Wheels	30 00
6 Dozen bottles for extinguisher.....	6 00
1 Wire cutter.....	20 00
2 Pulley blocks	2 00
4 Pairs rubber gloves.....	8 00
4 Hand hose reels.....	375 00
103 Hydrants	5,150 00
250 Feet old rubber hose.....	100 00
8 New waterproof coats.....	50 00
Ladders	30 00
Miscellaneous	50 00
7 Swings for harness.....	70 00
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FIRES AND ALARMS, WITH ESTIMATED LOSS.

1ST JANUARY TO 31ST DECEMBER, 1891.

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Sunday, Jan. 11, 5 p. m. Box 25.—Chimney fire, Chinese tenement, northwest corner Government and Fisguard streets. No loss.

Tuesday, Jan. 14, 12:20 p. m. Box 13.—Fire at residence of O. Newlings, east side Rupert street, between Humboldt and Collinson streets. Cause, defective chimney. Loss, \$50; no insurance.

Wednesday, Jan. 20, 5 p. m. Box 31.—Alarm from White House, east side of Government street, between Fort and Trounce avenue. Cause, electric wire setting fire to awning. No loss.

Thursday, Jan. 26, 4 p. m. Box 54.—No fire.

Friday, Feb. 2, 12:55 p. m. Box 15.—Fire at Muirhead & Mann's Mill, Constance street. Cause, spontaneous combustion. Loss, \$500.

Saturday, Feb. 5, 11 a. m. Box 35.—Fire at residence, South Turner street. Cause, paper igniting from fire in stove. Loss, \$25; insured.

Sunday, Feb. 7, 11:20 p. m. Box 34.—Fire in house on north side Belcher street, between Vancouver and Cook streets. House owned by P. Englehardt. Cause, incendiary. Loss, \$10; insured.

Monday, Feb. 8, 2:30 a. m. Box 31.—Fire at Chinese wash-house, south side Humboldt street. Cause, stove upsetting. Loss, \$50.

- Friday, February 20, 3 p. m. Box 25.—Fire at room 15
Stronach's tenement, Herald street. Cause, clothing
falling on stove. Loss, \$10.
- Friday, Feb. 20, 4 p. m. Still alarm.—Smoke issuing from
wall in Colbert & Warner's gasfitting store, south
side Yates street. No loss.
- Monday, March 9, 8 a. m. Still alarm.—Thirty-one building
burned on north side of Cormorant street, between
Douglas and Government streets. No loss.
- Wednesday, March 18, 11:30 p. m. Box 31.—No fire.
- Thursday, March 19, 8:15 a. m. Box 54.—Chimney fire at
residence of C. Guslean, Pandora street. No loss.
- Tuesday, March 31, 7:15 p. m. Box 25.—Fire caused by lamp
upsetting in Chinese tenement, Fisguard street. No
loss.
- Saturday, April 11, 4:40 p. m. Box 53.—No fire.
- Saturday, April 18, 7:15 p. m. Box 32.—No fire.
- Saturday, April 25, 10:10 p. m. Box 5.—No fire.
- Monday, April 27, 1 a. m. Box 31.—Fire in three-story
brick building on south side Johnson street, between
Government street and Oriental alley; occupied by
J. Amorsen, H. Shorey & Co. and Martin & Co.
Cause of fire unknown. Loss, \$2,500. Insured.
- Sunday, May 17, 10:55 p. m. Box 31. Fire at Mrs. Howard's
residence, north side Rae street. Cause, sparks ignit-
ing shingles on roof. Loss \$5.
- Friday, May 22, 7:15 p. m. Box 25.—Burning lepers cabins.
No loss.

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aturday, May 23, 11:55 p. m. Box 8.—Fire in building,
east side Store street. Cause, lamp upsetting. No
loss.

Monday, May 25, 11 p. m. Box 14.—No fire.

uesday, June 2, 8:45 a. m. Box 25.—Fire in building on
south side Chatham street, between Store and Gov-
ernment streets. Cause, wood falling from stove.
Loss, \$250; insured.

Monday, June 8, 10:20 a. m. Box 14.—Fire in asphalt vat.
Cause, tar igniting. No loss.

aturday, June 13, 5:45 a. m. Box 43.—Fire in shed belong-
ing to J. P. Elford, Cadboro road. Cause, ashes
No loss.

aturday, June 20, 10:30 p. m. Box 31.—Fire at shed ad-
joining Capt. Devereau's residence, Bay street.
Cause, ashes. Loss, \$25.

aturday, July 4. Telephone alarm.—Grass fire at Beacon
Hill. No loss.

Tuesday, July 7, 10 a. m. Telephone alarm.—Grass fire at
Park.

Tuesday, July 7, 7 p. m.—Fire in shed on Bridge street. No
loss.

Thursday, July 9, 12 noon. Still alarm.—Tar burning at
new market building. No loss.
Insured.

Saturday, July 18, 9 p. m. Box 45.—No fire.

Wednesday, July 22, 4:20 p. m. Box 6.—Smoke issuing
from new building on Pandora street. No loss.

Saturday, July 25, 11:30 p. m.—Fire in residence, No. 118
Fort street. No loss.

- Tuesday, July 28.—Fire in sample room, Clarence Hotel. alarm. No loss. Friday,
- Thursday, July 30, 5:45 p. m. Box 31.—Fire at Delmonico Hotel. Cause unknown. Loss, \$1. Tuesday,
- Friday, July 31, 5 p. m. Still alarm.—Grass fire on Cook street. No loss. Wednesday,
- Saturday, Aug. 1, 9:10 p. m. Box 25.—Fire at S. Gray's mill corner Government and Chatham streets. Cause wood igniting from furnace. Loss, \$15. Tuesday,
- Sunday, Aug. 2, 2:30 a. m. Box 31.—No fire. Tuesday,
- Sunday, Aug. 2, 2:30 p. m.—Fire between Vancouver and adjoining store. Cause, throwing cigar on paper. No alarm. No loss. Friday, C
- Sunday, Aug. 2, 4 p. m. Still alarm.—Gas escaping from store on Yates street. No loss. Friday,
- Sunday, Aug. 2, 4:30 p. m.—Telephone alarm. Grass fire near Provincial gaol. No loss. Thursday,
- Saturday, Aug. 1, 1 a. m.—Fire at City Brewery, Fort street. No loss.
- Saturday, Aug. 8, 5:50 a. m. Box 45.—Fire at residence of Mrs. Marwick, south side View street, between Vancouver and Cook streets. Cause, unknown. Loss \$700; insured. Monday,
- Monday, Aug. 10, 5 p. m. Still alarm.—Fire in shed adjoining Philharmonic Hall, Fort street. Cause, children upsetting lamp. No loss.
- Wednesday, Aug. 19, 8 p. m.—Fire at Indian cabin on Herald street. Cause, upsetting lamp. No loss. Tuesday,

- erence Hotel. Friday, Aug. 21, 11 p. m. Box 15.—Fire in building occupied by Indians, Store street. Cause, drunken Indian woman upsetting lamp. Loss, \$10.
- Fire at Delmonico Tuesday, Sept. 1, 1:10 p. m. Still alarm.—Grass fire at Spring Ridge. No loss.
- Grass fire on Co Wednesday, Sept. 9, 9:15 p. m.—Fire on platform behind W. Powell's blacksmith shop, corner Broad and Johnson streets. Cause, workmen neglecting to extinguish fire after setting tires. No loss.
- at S. Gray's mi Tuesday, Sept. 15, 3:30 p. m. Still alarm.—Fire at Hip Lung's cabins, Cormorant street. Cause, lighted match dropped on straw. No loss.
- streets. Cause \$15.
- Wancouver Friday, Oct. 2, 10 p. m. Box 31.—Fire in cupola of telephone office. Cause, crossed wires. Loss, \$75.
- ng cigar on pap Friday, Oct. 9, 12:20 p. m. Box 31.—Fire in Spencer's Arcade. Cause, incendiary. Loss, \$5,000; insured.
- s escaping from Friday, Oct. 9, 12:20 p. m. Box 31.—Fire in Spencer's Arcade. Cause, incendiary. Loss, \$5,000; insured.
- rm. Grass fire Thursday, Oct. 15, 6:45 p. m. Box 31.—Fire in tower of new R. C. Cathedral. Cause, workmen leaving charcoal pot in tower without removing burning charcoal. No loss.
- ery, Fort street Thursday, Oct. 15, 6:45 p. m. Box 31.—Fire in tower of new R. C. Cathedral. Cause, workmen leaving charcoal pot in tower without removing burning charcoal. No loss.
- at residence of Tuesday, Nov. 17, 2 p. m. Box 61. Fire in shed adjoining J. Gawley's residence, Kingston street, James Bay. Cause, boy with matches. Loss, \$10.
- t, between Van Monday, Dec. 7, 5:30 p. m.—Fire at Woodbine Cottage, Esquimalt road; building owned by Mrs. Greenwood, occupied by J. Wilson. Cause, supposed to be fire falling from grate. Loss, \$1,200; insured.
- unknown. Loss
- in shed adjoining Tuesday, Dec. 15, 2:30 a. m.—Fire at stable belonging to — Jackson, junction of Leighton and Cadboro roads. Cause, supposed incendiary. Loss, \$125.
- Cause, children
- abin on Herald
- oss.

Tuesday, Dec. 15, 10:25 a. m. Box 51.—Brush fire on King road. No loss.

Tuesday, Dec. 29, 2:50 a. m. Box 61.—Fire in building of Pandora street; occupied by Chinese. Loss, \$400.

Number of alarms and fires, 57. Total loss, \$10,970.

MONTHLY RECORD.

MONTH.	Number Fires.	Loss.	REMARKS.
January	4	\$ 50 00	No losses.
February	6	595 00	
March	4	.....
April	4	2500 00	
May	4	5 00	
June	4	275 00	
July	10	10 00	
August	10	725 00	
September	3	.....
October	3	5075 00	
November	1	10 00	
December	4	1725 00	
Total	57	\$10970 00	

CISTERNS.

LOCATION.	CAPACITY.
Corner Government and Johnson	25,000 gallons.
“ Store and Johnson	25,000 “
“ Yates and Government	15,000 “
“ Fort and Government	15,000 “
“ Fort and Blanchard	15,000 “
“ Pandora and Blanchard	15,000 “
“ Quadra and North Park	15,000 “
“ Oswego and Quebec	15,000 “
“ Yates and Wharf	15,000 “
“ Douglas and Yates	15,000 “

Total capacity..... 170,000 gallons.

Report

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ing and alley entrance between Rock Bay, James Bay, the harbour and Cook street, and an extra lamp in the centre of long blocks, with additional lamps in the suburban district.

About 120 of these lamps comprising the central district, were to be maintained nightly, and the remainder as occasion required.

Such system, both in extent and method, is more necessary now, we believe, than at any previous date, and almost nightly the Police or Fire Department is seriously hampered through the absence of a reasonably extended system of street lighting.

Since the plant was last enlarged (and then not sufficiently so), millions of dollars have been spent in the erection of buildings, everyone of which in some degree obscured the light and circumscribed its light-sheeding limits. The area of the city has, since then, been nearly, if not quite, doubled.

"More light" is a subject which should early occupy the attention of the incoming Board, who should have it in mind that, whatever it may cost, it is cheaper to light the city well rather than, by reason of the dark streets, render it possible to have it burned down or pillaged; to say nothing of the many other reasons why a well lighted city is to be preferred.

The only changes in the staff since last report consists in the resignation of Engineer R. Foster, and the appointment of E. C. Sheppard to fill the vacancy, and the temporary engagement of Wellington Rafuse as assistant trimmer.

The expenditure on account of the Department for the year has been ten thousand four hundred and thirty-four dollars and seventy-nine cents, which amount includes the special expenditure of about one thousand dollars spent on repairs.

Since the defeat of the By-law recommended in last report (and which, if carried, would have materially changed

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the location of much of the main lines, your Committee found it necessary, as a matter of security against the strong winds of the winter season, to strengthen the lines by the erection of new poles where it was found the old ones had become decayed. One hundred and thirty-eight new poles were set for this purpose in November and December, at an expense of about \$800.

All of which is respectfully submitted.

W. D. MCKILICAN, }
 JOHN ROBERTSON, } Committee.
 A. J. SMITH. }



Market Committee's Report.

VICTORIA, B. C., January 9, 1892.

To His Worship the Mayor and Board of Aldermen :

GENTLEMEN,—We, your Market Committee, beg to report as follows :

Upon taking office we discovered from the late Committee's report that the Council of 1890 had accepted plans for a Public Market building, when we took steps to advertise for tenders for the erection of same, and awarded the contract to Messrs. McGregor & Jeeves for the main building fronting on Cormorant street, which covers an area 210 feet by 120 feet, two storeys high, and comprising some sixty stalls and stores and having a large space on the ground floor for the use of farmers and hucksters, besides all necessary conveniences required for a Public Market.

The cost of the above is as follows :

Market contract and extras	\$50,742 26
Mr. Teague (architect).....	2,537 00
Advertising	60 75
Printing.....	45 00
Interest	136 00
Insurance.....	625 00
Gas fixtures.....	1,135 00
Electric light	300 00
Grading market site.....	147 00
Outstanding accounts	341 36

Making a total of..... \$56,070 03

And we are of opinion that, although we have slightly exceeded our estimate, the city has received good value for the money spent.

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There are several things we would recommend for the consideration of the new Council, in order to make the Market a success, and which, in our opinion, should be done:

The scales now in front of the City Hall should be moved to the Market site or new ones provided; and, also, scales will be required for inside service. We would also recommend that the different officers, who are named in the By-law, see that the same is carried into effect; and if the Corporation receive the amount of rents, according to the schedule which was adopted at the Council meeting, the Market will not only be a success, but will pay considerably more than is required to meet all demands, such as sinking fund, interest, insurance and current expenses.

A great measure of the success of this institution will depend upon the Market Committee and the Superintendent.

We would also recommend that, if the incoming Council could see their way clear to purchase the right of way to continue Broad street, it would doubtless add very considerably to the value of the Market property.

We think, also, that the premises might be made more attractive and, consequently, more successful if something in the way of musical entertainments was provided in the building occasionally.

There are, at the present time, fifteen stalls and stores rented, and prospects of more in the near future.

All of which is respectfully submitted.

J. HOLLAND,	} Committee.
W. D. MCKILLICAN,	
A. J. SMITH.	

Park Report.

To His Worship the Mayor and Aldermen :

Your Park Committee have pleasure in reporting increased public interest in the city's pleasure grounds during the past year.

The numbers of people who have visited Beacon Hill Park on Sundays and holidays have been very large and are constantly increasing.

During the year several public-spirited citizens have made donations of seats, swings, flag, birds, etc., and otherwise assisted in beautifying the Park.

As a result of a more generous expenditure than usual the Committee have been enabled to effect a number of improvements in the way of constructing roads, transplanting trees, etc. In all cases they directed that the work should be done in accordance with the official plan.

In respect to the maintenance of a zoo, your Committee submit that either the city should abolish the idea altogether or undertake the expense necessary to place and maintain it in a proper condition.

The Provincial Government was requested some time ago to deed the Park property (Beacon Hill) direct to the city, but up to the present this has not been granted.

An effort was made by your Committee in the early part of the year to secure a site for a public pleasure ground on Victoria Arm, near the Gorge bridge, but unfortunately without success. The idea is one which, we think, may well engage the attention of future Councils.

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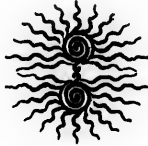
VICTORIA.

After a great deal of correspondence on the subject, the Committee have received the assurance of the Minister of Militia that the powder magazine in the center of Beacon Hill Park will be removed as soon as a new magazine can be erected at C Battery Barracks.

All of which is respectfully submitted.

H. A. MUNN,
F. G. RICHARDS, JR., } Committee.
J. COUGHLAN.

VICTORIA, January, 9th, 1892.



Report of the Supt. of Public Works.

VICTORIA, B. C.,

JANUARY, 6th, 1892.

To His Worship the Mayor and Board of Aldermen :

GENTLEMEN,—Your Superintendent of Public Works for the city, would respectfully report as follows :

The most important of the items of public works, in my department, during the past year, has been the building of the new market hall, to the superintendence of which I have devoted a considerable portion of my time.

The next work of importance was the fixing by Mr. Redfern, of the city hall clock.

There have been other items of minor importance, such as the alterations in police barracks, fixing of chimney pots on city hall chimneys, etc., to all of which I have given my best attention, and believe that everything has been carried out according to plans and specifications and instructions given.

Your obedient servant,

WILLIAM W. NORTHCOTT.

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Report of Hall Committee.

VICTORIA, B. C.,

JANUARY 6th, 1892.

To His Worship the Mayor and Board of Aldermen :

GENTLEMEN,—Your Hall Committee would respectfully report as follows :

The only money we have spent, last year, on the hall, is \$317.95 for the chimney pots and chimneys ; although we had \$1500 in the estimates, for hall purposes. The City Hall clock, for which the contract was let in 1890, and for which there was placed in the estimates for the year 1891, \$5000, has been fixed and completed, according to contract with Mr. Redfern, which, we think, has been carried out in a thorough manner, and has filled a long felt want, in the city, of having some regular and reliable time to go by. The cost of the above, for all purposes, including contract, carpenter, and other work, which the city had to do, was \$4821.12, for which we believe, the city has received full value.

There are also other improvements, which, if the incoming Council sees fit to have done, would make this building of still more use, viz : by putting in an elevator to the upper storey, when the whole of that part of the building could be made use of ; and also, if the piece of land on Cormorant street, between the present building and fire hall, were built up, would still further add to the efficiency of the hall premises for police and other purposes.

All of which is respectfully submitted.

W. D. MCKILICAN, Chairman.

JOSEPH HUNTER,

JOHN ROBERTSON.

Report of Water Commissioner.

To His Worship the Mayor and Board of Aldermen of the City of Victoria.

GENTLEMEN,—I have the honor to submit the following report of the Victoria Water Works, showing the extension, improvements and general enlargement effected during the past year, which, in view of the rapid growth of the city, combined with the general building up of the suburbs have necessitated an extensive branching out of the distribution system.

MAINS.

All mains are laid heretofore on a general plan, as far as possible, in those streets where they will effect the greatest improvements in the Water Works as a whole. The following detail shows the different improvements of the year 1891 :

St. Lawrence street, 1,800 feet 4 inch cast pipe.

St. Lawrence and Michigan streets, one 4 inch "T;" one 1 inch cock.

St. Lawrence and Superior streets, one 4 inch "T;" one 1½ inch cock.

St. Lawrence and Erie streets, one 4 inch valve.

St. Lawrence and Ontario streets, one 4 inch cross; two 1 inch cocks.

St. Lawrence and Simcoe streets, one 4 inch valve.

St. Lawrence and Niagara streets, one 4 inch cross; one 4 inch valve.

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St. Lawrence street, one 2 inch valve to connect Dallas road.

St. Lawrence street, one 4 inch spring bend.

Erie street, 48 feet 4 inch cast pipe.

Erie street, two 4 inch spring bends.

Dallas road from Menzies street to Oswego street, 1,300 feet 4 inch cast pipes.

Dallas Road and Oswego street, one 4 inch "T," one 4 inch valve, one 4 inch cap.

Dallas road and San Juan ave, one 4 inch "T," one 2 inch stopcock.

Dallas road and Boyd street, one 4 inch "T," one 2 inch stopcock.

Dallas road and Lewis street, one 4 inch "T," one 2 inch stopcock.

Dallas road and Menzies street, one 4 inch "T," one 4 inch valve, two 4 inch caps.

Dallas road from St. Lawrence street, to near Jensen's hotel, 700 feet 2½ inch and 2 inch cast pipes.

Dallas road to Capt. Meyers', 400 feet 2 inch pipe.

Michigan street, 300 feet ¾ inch pipe.

Ontario street 200 feet one inch pipe.

Fairfield road, 1,900 feet 4 inch cast pipe.

Fairfield road and Moss street, one 4 inch cross and cap, and 2 inch cock.

Cemetery, Ross Bay, 2,300 feet 2 inch pipe; one 2 inch cock and "T's."

"Lovers' lane," Cemetery road, 450 feet 2 inch pipe ; one 2 inch cock.

Moss street, from Fairfield road, 736 feet 2 inch pipe ; one 2 inch cock.

San Juan avenue, 778 feet 2 inch pipe.

Sylvia street, 306 feet 2 inch pipe ; one 2 inch cock ; one 2 inch "T."

Boyd street, 516 feet 2 inch pipe.

Lewis street, 309 feet 2 inch pipe.

Niagara street, 530 feet 1 inch pipe.

Battery street, 243 feet 2 inch pipe, and 215 feet 1 inch pipe.

Beacon Hill, 1,000 feet 4 inch cast pipe ; one 4 inch valve ; three 4 inch "T's," and two 4 inch caps.

Beacon street, 310 feet 1 inch pipe ; one 1 inch cock.

Bear pit, Beacon Hill, 1,600 feet 2 inch pipe, and 268 feet $\frac{3}{4}$ inch pipe.

Richardson street, 235 feet 2 inch pipe.

From Bay street to Orchard street, Rock Bay avenue, 300 feet 4 inch cast pipe ; one 4 inch spring bend ; one 4 inch "T;" one 4 inch cap ; one 2 inch stopcock.

Orchard street, 200 feet 2 inch pipe.

John street to Henry street, Rock Bay avenue, 350 feet 4 inch cast pipe ; two 4 inch valves.

Gorge road, 691 feet 4 inch cast pipe ; one 4 inch cross ; one 4 inch bend.

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Garbally road from Gorge road, 1214 feet 2 inch pipe.

Extension of Gorge road, 600 feet 2 inch pipe.

First street to Topaz avenue, 1,050 feet 2 inch pipe.

First street to Hillside avenue, one 4 inch valve.

Market street from First street to Saanich road, 950 feet 2 inch pipe.

Market street to Saanich road, one 4 inch valve.

A street (off Market street), 300 feet $\frac{3}{4}$ inch pipe.

Topaz avenue, 1,154 feet 4 inch cast pipe ; 700 feet 2 inch pipe ; one 4 inch "T," to gaol, and one 4 inch valve.

Topaz avenue and First street, one 4 inch "T," one 2 inch cock.

Topaz avenue, two 4 inch "T's" for blind streets.

Topaz avenue and Saanich road, one 4 inch valve and one reducer, 8 inches to 4 inches.

Delta street, 1,556 feet 2 inch pipe ; one 2 inch cock ; four 2 inch "T's," and three 2 inch plugs.

Burnside road, 2,500 feet 5 inch cast pipe.

Burnside road and Saanich road, 8 inch "Y" reducer, and two 4 inch valves.

Burnside road, three 4 inch "T's" and three 4 inch caps ; one 2 inch cock.

Alpha street, 1,100 feet 1 inch pipe and one 1 inch plug.

King's road to Seventh street, 765 feet 2 inch pipe.

Seventh street, 336 feet 2 inch pipe ; one 2 inch cock ; one 2 inch "T."

Edmonton road to Cedar Hill road, 650 feet 4 inch cast pipe.

Edmonton road to Cedar Hill road, to near Walnut street, 300 feet 1½ inch pipe.

South road, 1,122 feet 4 inch cast pipe; three 4 inch "T's;" one 4 inch valve, and two 4 inch caps.

Taunton street, 180 2 inch pipe.

Clarke street, 252 feet 2 inch pipe.

Stanley avenue, 1,320 feet 4 inch cast pipe; four 4 inch crosses.

Cedar Hill road, from old city boundary to Lansdowne road, 1,180 feet of 8 inch main; one 8x4 inch cross, and two 4 inch caps.

Cedar Hill road, from old city boundary to Fernwood road and Edmonton road, 1,845 feet 8 inch main; two 8 inch crosses, four 8 inch caps.

Vining street, 750 feet 2 inch pipe; one 2 inch cock.

North Chatham street East, 900 feet 2 inch pipe; two 2 inch cocks.

Bodwell street, 750 feet 2 inch pipe; one 2 inch cock; one 1½ inch cock.

Milne street, 522 feet 2 inch pipe; one 2 inch cock; one 1½ inch cock.

Chambers and Pandora streets, 832 feet 2 inch pipe; one 4 inch "T," and one 4 inch cock.

South Pandora street, 570 feet 2 inch pipe.

Harrison street, 285 feet 2 inch pipe; two 2 inch "T's," and two 2 inch plugs.

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Center road, 300 feet 4 inch cast pipe.

North road, 489 feet 1 inch pipe.

Cadboro Bay road, from Johnson's Nursery to Oak Bay avenue, 600 feet 6 inch cast pipe.

Cadboro Bay road to Jubilee Hospital, 1,600 feet 4 inch east pipe; two 4 inch "T's;" one 4 inch valve and two 4 inch caps.

Oak Bay avenue to past Richmond road, 1,500 feet 4 inch cast pipe; two 4 inch "T's;" one 4 inch valve, and two 4 inch caps.

Jubilee avenue, 700 feet 2 inch pipe; one 1½ inch cock.

Richmond avenue, 900 feet 2 inch pipe; two 1½ inch cocks.

Belcher avenue, from Major Peters' to Oak Bay avenue, 2,400 feet 2 inch pipe.

Belcher avenue, Cadboro Bay road, two 1½ inch cocks.

MacGregor avenue (found his own pipe), one 1½ inch cock.

Montrose street, Jewish Cemetery hill, 1,600 feet 2 inch pipe; one 2 inch cock.

Saanich road, 24 inch main, 3,500 feet; three 24 inch "T's," by 8 inch outlets; one 24 inch "Y" reduced to 12 inches opposite Market street; one 12x4 inch "T;" one 2 inch valve; two 2 inch sleeves; one 8 inch to 4 inch reducer and 4 inch cap, and 12 inch cap.

Trenching for mains, 51,331 feet—9¾ miles.

HYDRANTS.

During the year four new fire hydrants and four water-cart hydrants have been placed in position: One at the corner of St. Lawrence and Erie streets, and one at the corner of Simcoe street and Dallas road; one on corner of Kingston and Oswego; one on corner of Burnside and Saanich road.

Water-cart hydrants as follows: One on corner of Amelia and Pandora streets; one on the corner of Yates and Quadra streets; one on the corner of Douglas and Broughton streets; one on the corner of Fisguard and Douglas streets; making a total of 106 hydrants connected with the Water Works main at the end of the year.

SERVICE AND METERS.

The number of services connected with the mains during the past year were 361, which, added to those previously reported, make a total of 2,595 service pipes constantly supplied by the City Water Works. In addition to these services 28 meters of various sizes have also been placed in position during the past year, making a total of 138.

Trenching for services, 9,025 feet.

There are yet remaining on hand, available for use, 25 new $\frac{5}{8}$ Worthington meters, six old $\frac{5}{8}$ Worthington meters put in good condition, four old $\frac{3}{4}$ Worthington meters put in good condition, one new $\frac{1}{2}$ inch Thomson meter, one new $\frac{1}{2}$ inch Crown meter, and one new $\frac{1}{2}$ inch Nash meter.

PIPES ON HAND FOR EXTENSIONS, ETC.

There are on hand, available for immediate use:

115 lengths of 8 inch cast iron main
 16 lengths of 6 inch cast iron main
 564 lengths of 4 inch cast iron main
 232 lengths of 2 inch cast iron main
 3,500 feet of 12 inch cast iron pipe

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[Ready for use on being dipped and cleaned; taken up on laying 24 inch steel main on Saanich road.]

WROUGHT IRON PIPE.

Five hundred and one feet of 2 inch pipe.

CAST IRON FITTINGS FOR MAINS.

One 12 inch by 4 inch cross.
 One 12 inch by 8 inch "T."
 One 12 inch by 12 inch "T."
 One 16 inch by 12 inch "T."
 One 6 inch by 6 inch cross.
 One 6 inch by 4 inch "T."
 Four 4 inch by 4 inch "T's."
 One 6 inch by 4 inch "T."
 One 5 inch by 5 inch cross.
 Two 5 inch by 4 inch crosses.
 One 6 inch by 6 inch cross.
 Thirteen 4 inch by 4 inch crosses.
 One 2½ inch by 2½ inch cross.
 One 2½ inch by 2½ inch "T."
 One 12 inch by 4 inch "T."
 Four 12 inch sleeves.
 One 10 inch sleeve.

BRASS GOODS.

Seven 1½ inch service cocks.
 Ten 1 inch service cocks.
 Eight 1 inch stop and waste.
 Seven ¾ inch stop and wastes.
 Eight ¾ inch service main cocks.
 Five ½ inch service main cocks
 Six ½ inch stop and wastes.
 Thirty-three ¾ inch service unions.
 Thirty-six ½ inch service unions.
 Three 1 inch service unions.

One $1\frac{1}{2}$ inch service union.
Two $1\frac{1}{2}$ stopcocks.

LEAD GOODS.

Two hundred pigs of lead.
Three coils of $\frac{1}{2}$ inch lead pipe.
Two tons of scrap lead.

GALVANIZED IRON PIPE.

Ninety feet $\frac{3}{4}$ inch pipe.
Sixty feet $\frac{1}{2}$ inch pipe.

WHITE LEAD.

Twenty pounds.

HEMP PACKING.

Twenty pounds.

PIPE NIPPLES—ASSORTED LENGTHS.

Fifty-three 1 inch.
Eighty-eight $\frac{1}{2}$ inch.
Ten $1\frac{1}{2}$ inch.
Ninety-six $\frac{3}{4}$ inch.

POWDER.

Half a case of giant.
Half a keg of black.
Rubber packing, half a square yard.

CAST IRON BENDS.

Thirty-four 5 inch.
Thirty-eight 4 inch.
Three 6 inch.
One 6 inch elbow.

Two 10 inch to 2 inch diminishers.
 One 7 inch to 3 inch diminisher.
 One 12 inch to 10 inch diminisher.

CAST IRON SLEEVES

Five 9 inch.
 Five 7 inch.
 Seventeen 4 inch.
 Six 3 inch.
 Two 2 inch.

SADDLE SLEEVES.

Five 5 inch.
 Six 6 inch.

CAST IRON CAPS.

Three 8 inch.
 Twenty-two 7 inch.
 Two 5 inch.
 Two 4 inch.
 Six valve boxes with hinges.
 Six hydrant box covers.
 One cast iron meter cover.
 One 12 inch cast iron cap with saddle.
 One 8 inch cast iron cap.
 One new hydrant.
 Two hundred and eight deck valves.

IRON UNIONS.

Twenty-seven $\frac{3}{4}$ inch iron unions.
 Nineteen $\frac{1}{2}$ inch iron unions.
 Thirty-eight 1 inch iron unions.
 Fifteen pounds of assorted fittings.
 Ten pounds of assorted bushings.
 Twelve $1\frac{1}{2}$ inch "T" fittings.

Eighteen $1\frac{1}{2}$ inch to $\frac{3}{4}$ inch fittings.
 Three 2 inch fittings.
 Two $1\frac{1}{2}$ inch fittings.
 Six pounds assorted plugs and caps.
 Four 2 inch "T" fittings.
 Eight 2 inch to $1\frac{1}{2}$ inch reducers.
 One 2 inch to $\frac{3}{4}$ inch reducer.

TOOLS ON HAND AT WORKSHOP.

Twelve hand lamps.
 One ratchet brace.
 Two 12 inch taper bastard files.
 One 12 inch half-round file.
 Twelve files, assorted (in use).
 One tinsmith's snips.
 One cutting pkyers.
 One gas-fitters.
 Fourteen hand hammers.
 Five small wrenches.
 Six chain tongs.
 Two carpenter's braces.
 One machine brace.
 One extension bitt.
 Three augurs—1 inch, $\frac{3}{4}$ inch and $\frac{1}{2}$ inch.
 One copper bit.
 Two key-hole saws.
 Three carpenter's saws.
 Two squares.
 Two screwdrivers.
 Three carpenter's chisels.
 Twelve $\frac{1}{2}$ inch drills for 24 inch main.
 Two $\frac{1}{2}$ inch scew taps.
 One $\frac{3}{4}$ scew tap.
 One patent drilling machine and taps.
 One old drilling machine and taps.
 Two small "S" keys.

One aligator wrench.
One lathe, with slide rest and patent chuck.
Four extension tongs and five bad ones.
Two stock and dies.
Two oil cans.
Three pipe-cutters.
One pipe vise.
Two bench vises.
One 3 inch augur.
Nineteen assorted turn-off keys.
One plumber's saw.
Two cross-cut saws.
Three carpenter's axes.
Three kant-hooks.
Three ladles.
Two fire pots.
Two lead pots.
Six hand buckets.
Fifty shovels.
Sixty-three picks.
Seven blasting chains.
Two sand-sieves.
One snatch-block.
Two double blocks.
Three coils of rope.
Eighteen chisels.
Thirty-six caulking tools.
Twelve yarning tools.
Twenty-four cutters, assorted.
One carpenter's hammer.
One 2½ inch clamp.
Two burly drills.
One steam boiler and carriage.
Two pairs of blacksmith's bellows.
Two anvils, tongs, etc.
Seven new pick-handles.

Nine hammer handles.
 Sixteen striking hammers.
 Eight rock hammers.
 Fifty-nine rock drills.
 Two trowels.
 One gimlet.
 Four pairs rubber boots.

MAIN BURSTS, ETC.

The following is a record of the serious bursts, etc :

Joint blown on the 12 inch main, February 11th, 1891
 Saanich road.

Joint blown in February, 1891, Humber's brick yard.

February 23, joint blown near Tolmie's estate.

March 5th, 1891, joint blown near Twaye's house, Foot's
 Bottom.

April 6th, 1891, leak on 12 inch main between Queen's
 avenue and Princess avenue.

April 23rd, two leaks at Humber's brick yard.

April 28th, leak on 12 inch below Royal Oaks.

May 13, 1891, leak on 12 inch near King's road.

May 29th, leak on 12 inch near MacKenzie's farm.

June 11th, 1891, leak on 12 inch opposite Theodore
 Davie's, Saanich road.

August 6th, burst at Baker's brick yard, Saanich road.

August 6th, leak on 12 inch near Royal Oaks.

November 14th, joint blown on 12 inch near Royal Oaks.

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November 15th, leak on 12 inch, Tolmie's Hill.

November 26th, leak on 12 inch, Saanich road.

LAKE AND FILTER BEDS.

The lake, at the present time, is in a very fair condition. I have had all the floating island and other vegetable matter removed, and at the head dam I have had all the sand bays removed, as they were in a rotten condition, and have replaced the same by a proper dam, the slope having been sown down with grass, which is now of a substantial character, enabling me to keep the water at the present head, which will be a marked improvement. The sand bags on the wall of the receiver have also been removed, being rotten, which filled the receiver with dirt and sand, and are replaced by a solid concrete wall faced inside and out with cement. The filter beds are being cleaned out and will be thoroughly overhauled and placed in a first-class condition.

The sheds, at the present time, over the filter beds are in a very bad state, they also being decayed, and will require the earliest consideration of the incoming Council.

A full detail of financial statement of the revenue and expenditure for the past year will be found in the annual report of the auditor, which, being published in the Annual Report of the Corporation, economises a large amount of valuable space that would otherwise be occupied by duplicate accounts.

I have the honor to be, gentlemen,
Your obedient servant,

W. L. LYNN,
Acting Water Commissioner.

JOHN COUGHLAN,
W. D. MCKILLICAN, } Committee.
JOSEPH HUNTER.

Police Report.

To His Worship the Mayor and Board of Aldermen :

GENTLEMEN,—I have the honor herewith to submit the annual report of the Police Department for the year ending the 31st day of December, 1891:

The composition of the force at this date is as following :

Superintendent.....	.....
Sergeants.....	3
Constables.....	18
Total.....	<u>22</u>

All are in uniform. Of this number three are detailed for duty as gaolors in the lock-up, and two in the barracks rōm to attend to all cases of emergency, leaving thirteen constables for patrol duty.

During the year two sergeants and six constables have been added to the force.

The present condition of the force is fairly good. It is to be regretted that there has been two dismissals and one suspension for violations of the Police rules; otherwise the conduct of the members of the force has been satisfactory, and I am pleased to state that there has been very little sickness in the force during the year.

The clothing is, at present, in good condition.

The alterations lately carried out in the barracks by your honorable Police Committee has added very much to the comfort and convenience of the members of the force generally, for which they feel grateful.

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I have to state that the condition of the lock-up is totally inadequate to meet present requirements, as the number of persons arrested is considerably on the increase, and under present arrangements quite a number of prisoners have to serve eight or ten days' imprisonment in the lock-up for petty offences, such as drunkenness, etc., in consequence of which more accommodation is urgently needed. In submitting the detailed account of cases brought before the Police Court during the year, it will be seen that the number is about one-third more than those of last year. But it is satisfactory to note that, although the number has increased, crimes of a very serious nature are, happily, of rare occurrence in the city.

The number of convictions obtained for infraction of the City By-Laws have greatly exceeded those of last year.

In consequence of the large increase of prisoners sent to the Provincial Gaol from the city, the cost of keeping of such at that institution has been more than double of that of last year.

I have the honor to remain, gentlemen,
Your obedient servant,

HENRY W. SHEPPARD,
Superintendent of Police.

A. J. SMITH,
F. G. RICHARDS, JR., } Police Committee.
JOHN ROBERTSON. }

OFFENCES COMMITTED BY ALL OTHERS BUT INDIANS AND CHINESE DURING 1891.

No.	NATURE OF OFFENCE.	Convicted in Police Court.	Sent for Trial	Discharged.	TOTALS.
1	Assault.....	22		19	41
2	Assault police.....	4		1	5
3	Aggravated assault.....	4		2	6
4	Abduction.....		1	1	2
5	Bigamy.....		1		1
6	Breaking gaol.....	1			1
7	Buggery.....		2		2
8	Beating passage on steambot.....	1			1
9	Burglary.....		3	1	4
10	Carrying concealed weapons.....	7			7
11	Cruelty so animals.....	3			3
12	Cutting and wounding.....			2	2
13	City By-Laws (infraction of).....	136		20	156
14	Creating a disturbance on the street.....	3		1	4
15	Disturbing place of worship.....	2			2
16	Desertion from H. M. Royal Navy.....	2			2
17	Desertion from C Battery.....	1			1
18	Drunk.....	406		17	423
19	Embezzlement.....	1			1
20	Forgery.....		1		1
21	Fighting.....	13			13
22	Felony.....				
23	Fraud.....		1	1	2
24	Gambling.....	29			29
25	House-breaking.....			1	1
26	Highway robbery.....		3		3
27	Insulting language.....	2			2
28	Incendiarism.....		1		1
29	Larceny.....	23	9	31	63
30	Lodgings.....			35	35
31	Malicious injury to property.....	7	1	5	13
32	Merchant Seamen's Act (infraction of).....	5		4	9
33	Necessary witness.....			1	1
34	Obtaining goods under false pretense.....	1		4	5
35	Obtaining money under false pretense.....		1	4	5
36	Public Morals Act (infraction of).....	36		7	43
37	Possession stolen property.....	1		4	5
38	Pocket-picking.....	1		1	2
39	Passing counterfeit coin.....		2		2
40	Receiving stolen property.....		1		1
41	Resisting police.....		1		1
42	Rape.....		3	2	5
43	Refusing to pay wages.....	4			4
44	Refusing to pay tram fare.....	1			1
45	Supplying intoxicants to Indians.....	29		8	37
46	Threatening language.....	8	1	2	11
47	Till tapping.....	1			1
48	Unsound mind (died in cell, 1).....	7		25	32
49	Vagrancy.....	42		30	72
Totals.....(Died 1).....		804	31	231	1,067

OFFENCE

No.

1 Assault...
2 Assault p...
3 Aggravat...
4 Carrying...
5 Drunk...
6 Fighting...
7 Insulting...
8 Larceny...
9 Necessar...
10 Possessio...
11 Rescu...
To

OFFEN

No.

1 Burgl...
2 Assau...
3 Aggr...
4 City...
5 Drin...
6 Embe...
7 Felon...
8 Figh...
9 Gam...
10 Larc...
11 Necess...
12 Obt...
13 Obt...
14 Pub...
15 Sup...
16 Vag

OFFENCES COMMITTED BY INDIANS DURING THE YEAR 1891.

No.	NATURE OF OFFENCE.	Convicted in Police Court.	Sent for Trial.	Discharged.	TOTALS.
1	Assault.....	1			1
2	Assault police.....	6			6
3	Aggravated assault.....	1			1
4	Carrying concealed weapons.....	1			1
5	Drunk.....	175	7		182
6	Fighting.....	1			1
7	Insulting language.....	1			1
8	Larceny.....		1	4	5
9	Necessary witness.....			10	10
10	Possession intoxicants.....	35	7		42
11	Rescue prisoner.....		1		1
Totals.....		221	2	28	251

OFFENCES COMMITTED BY CHINESE DURING THE YEAR 1891.

No.	NATURE OF OFFENCE.	Convicted in Police Court.	Sent for Trial.	Discharged.	TOTALS.
1	Burglary.....		1	1	2
2	Assault.....	3	1	2	6
3	Aggravated assault.....	1			1
4	City By-Laws (infraction of).....	39		10	49
5	Drunk.....	1			1
6	Embezzlement.....		1		1
7	Felony.....		1		1
8	Fighting.....	6			6
9	Gambling.....	12		4	16
10	Larceny.....	6	3	3	12
11	Necessary witness.....		1		1
12	Obtaining money under false pretense.....			2	2
13	Obtaining goods under false pretense.....		1		1
14	Public Morals Act (infraction of).....	5	1	4	10
15	Supplying intoxicants to Indians.....	2			2
16	Vagrancy.....	4		1	5
Totals.....		79	6	31	116

RECAPITULATION.

1891.		All Others but Indians and Chinese.			INDIANS.			CHINESE.			TOTALS.
No.	MONTHLY TOTALS.	Convicted in Police Court.	Sent for trial.	Discharged.	Convicted in Police Court.	Sent for trial.	Discharged.	Convicted in Police Court.	Sent for Trial.	Discharged.	
1	January.....	43	1	10	14	.....	.....	7	1	1	77
2	February.....	35	.....	12	7	.....	1	10	.....	4	69
3	March.....	64	4	21	15	1	.....	9	1	5	118
4	April.....	59	1	19	14	.....	1	5	.....	1	105
5	May.....	42	3	9	15	.....	4	5	.....	2	86
6	June.....	92	3	10	21	.....	9	4	.....	3	142
7	July.....	67	1	23	5	.....	3	8	.....	3	102
8	August.....	108	5	32	25	1	.....	5	.....	.....	183
9	September.....	101	4	28	40	.....	3	7	.....	.....	193
10	October.....	93	5	20	24	.....	2	4	.....	1	146
11	November.....	56	6	26	21	.....	1	6	.....	2	118
12	December.....	47	.....	22	20	.....	2	4	3	3	101
Totals.....		804	31	232	221	2	28	79	6	31	1,434

NATIONALITY.

	Convicted in Police Court.	Trial.	Discharged.	TOTALS.
All others but Indians and Chinese.....	804	31	232	1,067
Indians.....	221	2	28	251
Chinese.....	79	6	31	116
Grand totals.....	1,104	39	291	1,434

Number of arrests.....	917
" by warrant.....	56
" given in charge.....	38
" summoned.....	355
" brought.....	68
Total.....	3,414

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Auditor's Report.

VICTORIA, B. C., January 11, 1892.

To His Worship the Mayor and Board of Aldermen, Victoria:

GENTLEMEN,—I have the pleasure to enclose herewith the annual accounts for the year 1891, comprising balance sheet and cash statement, also balance sheet of the water works, all of which I trust will be found in order. The receipts, I am glad to say, are larger than for any previous year, amounting to the sum of \$330,540.88, exclusive of the proceeds of loans. This is, of course, largely due to the increase of valuation on the real estate roll, which has swelled the receipts from real estate tax to \$189,970.65, as against \$100,569.59 last year. All the other items of revenue also show an increase, the principal items being licenses, \$441.58; water rents, \$9,244.34; fire insurance tax, \$1,775; police court fines, \$2,361.10. There is an increase of \$1,655 in the amount collected on account of road tax, but the total amount received is, even then, not as large as it ought to be, considering the population.

The arrears of taxes uncollected are, with the exception of real estate, less than last year; these latter are only some \$2,900 more, which is very small, considering the largely increased value of the roll. All arrears to December 31, 1888, have been collected, thus necessitating no tax sale during 1891.

The expenditure, I must point out, is again in excess of the revenue, the difference between the two, after allowing for unpaid accounts and the balance due McGregor & Jeeves on account of their market building contract (which will have to be paid out of ordinary revenue as the 85 per cent advanced on the market bonds by the B. C. Corporation, Ltd.,

CHINESE.

Sent for Trial.

Discharged.

TOTALS.

1	77
4	66
4	118
5	105
3	86
3	142
3	102
3	183
3	193
3	146
3	118
3	101
31	1,434

Discharged.

TOTALS.

232	1,007
28	251
31	116
291	1,434

17
56
38
55
58
1
4

is exhausted), being \$65,517.85. It must, however, be taken into consideration that a large amount of expenditure has arisen during the year that was wholly unforeseen and, consequently, unprovided for. Among these items I may mention: Compensation for damages, establishment of leper settlement at Darcey Island, and old men's home, expenses of Royal Commission, and the largest amount of all, the extra 25 per cent. of school teachers' salary, chargeable since July 1, and the sums paid to the Board of School Trustees for the current expenses of the schools. A sum of \$6,600 is due by the Government on account of this latter being 50 per cent. of their collections on account of Provincial Revenue Tax in the city. For the future the Corporation is to collect and appropriate this tax for the use of the Board of Trustees.

The Government has also been debited with 25 per cent. of the Charitable Fund and cost of Old Men's Home.

The largest over-expenditures are, however, on account of streets and water works; that on the former amounting to \$75,816.73, of which \$13,151.48 was provided for by the sale of the gravel pits.

Future Councils must thoroughly understand that it is utterly impossible out of the ordinary revenue to build new streets and keep in order those already made, especially as during the next few years large sums will be required to repair streets along the line of the new sewers. Some means will have to be devised for the opening of new streets, leaving repairs only as a charge on current revenues. This becomes all the more necessary on account of the large area that has been added to the city during the past year.

The expenditure on water works, including interest and sinking fund, is \$25,886.84 more than the revenue.

A large amount has been expended in the new limits on streets and water works, and only a very small amount of

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revenue has been received from this locality. An amount of \$4,000 is due by the Government for street work in that part of the city.

The three large spending departments of Police, Fire, and Street Lighting, have none of them exceeded the estimate made at the beginning of the year.

I would advise that, if possible, it be arranged to have the taxes collected at the commencement of the year, instead of at the end. Under the present arrangement money has to be borrowed to carry on the business of the city, as the major part of the taxes do not come in until the last month of the year, necessitating a large amount for interest—this year almost \$10,000.

The Bank of British North America has intimated that in future they will allow four per cent. interest on the Sinking Fund deposits, thus making the future payments on this account smaller than formerly. The total amount required for coupon interest and Sinking Funds, aggregates some \$75,000 per annum.

In the Water Works balance sheet you will notice that the balance due by the city has been increased to \$117,961.40 and the Sinking Fund account decreased to \$23,131.18. The reason for this is that in former years the interest and Sinking Fund of the first two Water Works loans were incorrectly credited to the Corporation, and these amounts have this year been written back. All the interest that the city now takes credit for is on the loans other than the first two, and the only Sinking Funds belonging properly to the Water Works are as shown on the enclosed balance sheet. The payments made on account of the two loans previously mentioned have been charged to profit and loss, instead of to the Water Works.

In the balance sheet you will notice that the Water Works have been valued at \$1,000,000, for which amount they could no doubt be sold.

I am, gentlemen,
Your obedient servant,

JAS. L. RAYMUR, Auditor



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Report of Assessment Committee.

VICTORIA, B. C.,
JANUARY 6th, 1892.

To His Worship the Mayor and Board of Aldermen :

GENTLEMEN,—There has been a considerable increase in the assessed value of the city, for the year 1891, owing partially to the fact that no re-valuation was made in 1890, and also, that so much had been done by way of "improvements," and a great deal of acreage property having been cut up. Hence, the roll of 1890 being \$9,538,000, that for the year just closed was \$17,500,000.

Taking these things into consideration, and also the fact of the low valuation that was placed on properties in former years, we considered it expedient to have a general re-valuation of the different real estate and improvements throughout the old city limits, and, for the first time in the history of the city, the various properties are, as near as may be, to their actual respective values, and in compliance with the Municipalities Act; and although it may have come somewhat hard on some, we think it is a very fair valuation throughout.

When the assessment for the extended city limits is added, we think that the next roll will be somewhere in the neighborhood of \$21,000,000.

All of which is respectfully submitted.

JOHN ROBERTSON,
C. E. RENOUF,
JOSEPH HUNTER.

Sanitary Committee's Report.

VICTORIA, B. C., January 9, 1892.

To His Worship the Mayor and Board of Aldermen :

GENTLEMEN,—We, your Sanitary Committee, beg to report as follows :

That we are pleased to state that the city has been free from any serious epidemic during the year, but upon taking office we discovered that there existed some five cases of leprosy among the Chinese, of which your Committee (with the assistance of the Provincial Government, who provided the land) left no stone unturned until they had them removed from our midst and safely housed and isolated on Darcey Island, at a cost to the city of \$1,134.36. As it was considered that the cost of maintaining the leper colony should properly be borne by the Dominion Government, correspondence was opened with the Department of Agriculture directly, and also through the city representatives in the House of Commons on this subject. The result so far has been that the Dominion Government refuses either to recognize its responsibility in the matter as it has done elsewhere, or to recoup this city for its outlay in protecting the people of the province against a terrible malady.

The streets, under all reasonable circumstances, have been kept fairly clean, and this has been a most difficult task when we consider the large amount of public work that has been carried on during the year, such as sewerage, draining, water and gas-piping.

Desiring, as we do, that our fair city's reputation for clean streets should be kept up, your committee have much

pleasure in recommending that the incoming Council take into their consideration the purchase of a street-sweeping machine, which would prove a boon to the public.

Your Committee further report that during the year a great transformation has taken place in James Bay mud flats, and urge upon the incoming Board the great necessity of having this good work go on.

All of which is respectfully submitted.

J. HOLLAND,
H. A. MUNN, } Committee.
C. E. RENOUF.



Health Officer's Report.

VICTORIA, B. C.,
DECEMBER 31st, 1891.

To His Worship the Mayor and City Aldermen :

GENTLEMEN,—I herewith submit my Annual Report for the year just ended, 1891.

There have not been any severe epidemics of contagious diseases during the year, and the general health of the citizens has been good.

The following are the number of deaths for the past year, and causes of same, as furnished monthly by me to the Dominion Statistical Officer at Ottawa.

1891.		
January	.....	33
February	.....	23
March	.....	31
April	.....	25
May	.....	29
June	.....	15
July	.....	36
August	.....	30
September	.....	44
October	.....	24
November	.....	25
December	.....	31
Total	.....	346
Diseases of the Nervous System	.....	38
“ “ Lungs	.....	83
“ “ Heart	.....	31
“ “ Kidneys	.....	9
“ “ Digestive System	.....	40

Diseases of the Liver	3
“ “ Blood Vessels.....	5
Premature Development.....	8
Rheumatism	2
Suicide.....	4
Septicemia.....	5
Suffocation	4
Drowning	7
Teething	6
Still Born.....	19
Old Age.....	11
Inanition	2
Typhoid Fever	13
Debility	4
Saryngitis	1
Syphilis	1
Tumor	1
Abscess	3
Accident	11
Child-birth	2
Alcoholism	4
Stricture	1
Marasmus	1
Cancer	10
Measles	4
Whooping Cough	4
Diphtheria	1
Gangrene.....	1
Dropsy.....	7
Total.....	<u>346</u>

The number of Chinese interred during the year, of the above was 44.

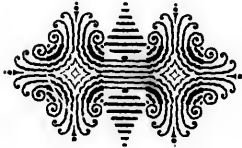
There are still some wells within the city limits, the water from which should be prohibited for domestic purposes, as it is no doubt a source of producing disease, and in cases coming under my notice during the year, this was fully illustrated.

The number of cases of insanity passing through police authorities are much less than in some recent years, and the number of Chinese in particular, has materially decreased.

It is to be hoped now as the market has been opened for the sale of meat and vegetables, a proper supervision will be made as to the quality of produce offered for sale, as complaints have been made as in former years, to the conditions of vegetables offered for sale by Chinese.

I have the honor to be,
Your obedient servant,

G. L. MILNE, M. D., C. M.,
Health Officer.



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Report of Committee on Old Mens' Home.

VICTORIA, B. C., January 6, 1892.

To His Worship the Mayor and Board of Aldermen, in Council Assembled:

GENTLEMEN,—We, your committee to whom was delegated the power to establish and maintain a home for the indigent poor of this city, have much pleasure in submitting the following facts for your consideration:

The property known as the French Hospital was leased together with the furniture, from the trustees of the Provincial Royal Jubilee Hospital.

Inmates were admitted the first week in July, and since that date twenty-three have been admitted, two have since died (John Kane and Auguste Herbuveau), one was transferred to Provincial Lunatic Asylum (Wm. Pike), leaving twenty persons now inmates of the Home, all of whom are in apparent good health, but either through old age or accident are unable to earn their own livelihood. There are many others worthy of admittance, but the premises will not accommodate any more.

The cost of operating the Home, July 1 to December 31, six months, is \$2,502.80, as follows:

MAINTENANCE.

Groceries	\$ 327 16
Meat	153 28
Wood and coal	75 00
Bread	86 30

Milk.....	\$ 69 38
Wages	275 33
Washing.....	153 12
Clothing.....	152 76
	<hr/>
	\$1,292 33
Rent.....	600 00
	<hr/>
Total.....	\$1,892 33

Twenty men, six months; or \$10.76 per month per man, or cost, including rent, \$15.76 per month per man.

When a permanent Home is established this last expenditure will not be necessary, and your Committee can safely say that when a permanent home is established the charges per month per man will not exceed \$8.50.

The following had to be incurred, which may not again recur in 1892:

Advertising.....	\$ 10 00
Funerals	91 50
Furniture.....	343 72
Alterations	149 25
	<hr/>
	\$ 610 47
Total maintenance and rent.....	1,802 33
	<hr/>
Grand total.....	\$2,502 80

Your Committee have very much pleasure in stating that n Mr. Petersen, the committee have had an efficient, economical and painstaking steward, and that he has conducted the Home in such a manner that it has made the supervision of it a pleasure for us instead of a task.

Your committee have to thank those who very kindly donated articles necessary to initiate the Home, saving the city a large expenditure; who have supplied the Home with

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literature, clothing, fruit, etc., during the year, and especially those who so generally donated articles during the holiday season, making this holiday season one that will be remembered with gratitude by the inmates of the Home.

Respectfully submitted.

C. E. RENOUF, Chairman.

J. HOLLAND,

HY. A. MUNN.



Cemetery Report.

VICTORIA, B. C., December 31st, 1891.

To His Worship the Mayor and Board of Aldermen :

GENTLEMEN,—I have the honor to lay before you the statistics of burials in Ross Bay Cemetery, for the year ending the 31st of December, 1891, as follows :

	Male.	Females.	Total.
Children (stillborn)	10	8	18
“ under twelve months old	43	21	64
“ from one year to five years	11	12	23
“ from five years old to ten.....	4	2	6
From ten to fifteen years old.....	1	1	2
“ fifteen years to twenty years old	5	4	9
“ twenty years to forty years old	40	23	63
“ forty to sixty years old.....	46	17	63
“ sixty years to seventy years old.....	16	9	25
“ seventy to eighty years old.....	10	7	17
“ eighty to ninety years old	4	2	6
Indians	4	4	8
Chinese	41	1	42
Total.....	235	111	346

The Nationalities are as follows :

	Males.	Females.	Total.
British Columbian.....	59	34	93
Other parts of Canada.....	23	16	39
England	39	25	64
Scotland	16	4	20
Ireland	15	3	18
Wales	13	2	15
United States.....	8	9	17

Germany...
 France...
 Norway...
 Denmark...
 Austria...
 India...
 Chili...
 Isle of Jersey...
 Iceland...
 Unknown...
 Stillborn...
 Chinese...
 Indians...

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NATIONALITIES—*Continued.*

	Males.	Females.	Total.
Germany.....	4	1	5
France.....	1	1	2
Norway.....	3	0	3
Denmark.....	1	0	1
Austria.....	1	0	1
India.....	1	1	2
Chili.....	1	1	2
Isle of Jersey.....	2	0	2
Iceland.....	1	0	1
Unknown.....	4	1	5
Stillborn.....	10	8	18
Chinese.....	41	1	42
Indians.....	4	4	8
Total.....	235	111	346

A comparison of this Report with that of last year, shows an increase of 69 males, a decrease of 9 females, making a total increase of 60 burials for the year just closed.

I have the honor to be, gentlemen,
Your obedient servant,

WELLINGTON J. DOWLER,
Secretary Ross Bay Cemetery



Sanitary Officer's Report.

CITY HALL, VICTORIA, B. C.,
JANUARY 6TH, 1892.

To His Worship the Mayor and Board of Aldermen:

GENTLEMEN,—I have the honor to submit the following report on the sanitary condition of the city for the year ending 31st December, 1891.

During the year a marked improvement in the sanitary condition of the city has taken place, due to the interest that the inhabitants take in conforming to the provisions of the Sanitary By-Law.

A considerable number of the residents have had new stone-ware drains connected with their premises, and I have had very little difficulty in making them conform to the provisions of the By-Law.

Every possible precaution has been taken to prevent sewage passing through the Johnson street ravine, and when ever any rubbish has accumulated in the ravine it has been removed with the least possible delay.

I regret to state that, owing to the excavation for sewage purposes, the streets through which the work was in progress are in a very bad condition.

Four hundred and thirty-five special notices have been served during the year to remove nuisances, mostly Chinamen, but I am glad to state that I was obliged to issue only three summonses.

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During the past year James Bay flats have been filled in for a distance of 500 feet, by an average width of 70 feet, and about 6 feet in depth.

BOX DRAINS LAID DURING THE YEAR.

Yates Street Ward.....	1,599 feet
James Bay Ward.....	5,690 "
Johnson Street Ward.....	9,655 "
Extension city limits.....	3,920 "

I trust the performance of my duties has met with your general approval.

I have the honor to be, gentlemen,
Your obedient servant,

B. BAILEY,
Sanitary Officer



Librarian's Report.

To the Library Committee :

We have added during the year, to our list of books, 700 volumes, some of them paper-covered books, making a total of 9,700 volumes.

We have lent to readers 32,700 books, of which 15,200 were taken by ladies, and 17,500 by gentlemen.

The highest number lent in one day was 245; the daily average was 109 books.

Almost 800 persons have joined this year—278 ladies and 517 gentlemen.

We have now about 3,000 readers (2,770). One very serious result of this great increase of readers, without a corresponding increase of money to buy books, is that a good many sets of books, and large sets at that, are simply worn out by constant use for three years.

You remember that when the \$1,200 a year By-Law was passed, nobody expected more than a few hundreds to join. Surely, in view of what I report here, it is absurd to think of running this library on \$100 a month, when we consider that every charge, even to gas, is made against this miserable pittance.

In the beginning of the year Mrs. Dunsmuir gave us \$50 for books. I wrote to some dozen wealthy men, asking for money to add to this \$50, so that we could buy to advantage. To these letters we got two answers—one excused himself, the other, Mr. Finlayson, sent us \$40.

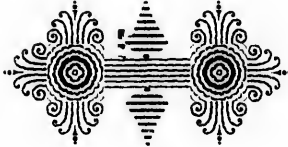
Our
is supplied
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the coast.

Our reading room is far from what it ought to be, but it is supplied only by Mr. Rithet's annual \$50, and by the liberality of the proprietors of the city papers and of some on the coast.

I have the honor to be,

Your obedient servant,

JAS. MCGREGOR,
Librarian.



Cemetery Committee's Report.

To His Worship the Mayor and Board of Aldermen :

GENTLEMEN,—Your Cemetery Committee's duties during the year just closed have been comparatively light, owing to the funds at their disposal having been somewhat limited. They have, therefore, to report that matters in general in connection with Ross Bay Cemetery have continued in 1891 very much the same as in preceding years. Had the rate-payers sanctioned the measure laid before them to complete the purchase of the property embraced in the proposed extension to the cemetery proper, your Committee would have felt a very desirable object had been gained.

The older portion of the cemetery is rapidly filling up, and it will soon become imperative to inter in the extension. But before doing so the extension will have to be laid out, and your Committee are of the opinion that this cannot be properly done unless the whole area of the ten acres contemplated to be used for cemetery purposes is included in the interior survey of plots. Your committee hope, therefore, that next year the ratepayers will grant their approval to a By-Law authorizing the purchase in full of the western addition to Ross Bay Cemetery.

The general management of the cemetery has continued during the past year very much the same as in preceding years. The principal reform has been in relation to the official map. This map was supposed to designate the precise position of each block, plot and road in the cemetery; but discrepancies existed in the map, particularly in reference to the location of the gravel roads, whereby more plots were shown on the map in some places than actually existed, and less in others.

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This, together with the changes in the ownership of plots, has given rise to some inaccuracies, many of which took place years ago. Your Committee, therefore, deemed it highly desirable that a new index may be prepared and also separate maps of each block, large enough to admit of the names of deceased persons interred, and those holding reservations, to be written in, in order that all errors hitherto existing might be rectified, and any further confusion arising in future as to the ownership or reservation of any particular plot prevented. This suggestion met the approval of the Council and the maps were accordingly prepared. Your Committee are glad to be able to report that the cemetery has been supplied at last with a much needed water service from the City Water Works. This will give persons interested in preserving the trees, shrubs and flowers they have planted upon or about the graves a reliable supply, preferable both in quantity and quality to that hitherto obtained. The committee also beg to state that they have endeavored to exercise, as far as possible, a proper supervision over all expenditures authorized by the Council in connection with the cemetery, and believe that in every instance they have been made to the best advantage.

Respectfully submitted.

W. D. McKILLICAN,
JOSEPH HUNTER,
JOHN ROBERTSON.

Building Inspector's Report.

VICTORIA, B. C., January 6th, 1892.

To His Worship the Mayor and Board of Aldermen :

GENTLEMEN,—In presenting this, my second annual report as Buildings Inspector, I have great pleasure in saying that the city still continues its healthy growth and prosperity, not only with regard to number of buildings, but also in respect of the increasing number of substantial brick blocks now being erected.

During the past year there have been built, or in course of construction, 353 frame buildings, costing \$554,620, and 45 brick buildings costing \$725,000, making a total of \$1,279,620.

This does not include ordinary repairs, which are always being carried out, and which would probably amount to \$75,000 more.

The frame buildings may be classified as follows, viz :

One hundred and twenty-nine houses, 2 storeys
 Fifty-nine houses, 1½ storeys high.
 One hundred and twenty-eight houses, 1 storey high.
 Four stores, 2 storeys high.
 Three stores, 1 storey high.
 Seven saw and planing mills, etc.
 Twenty-one miscellaneous.
 One Sunday school.
 One flour mill.

The brick buildings are classified as follows :

One block, 6 storeys high.
 Two blocks, 4 storeys high.
 Fourteen blocks, 3 storeys high.
 Twenty-four blocks, 2 storeys high.
 Four blocks, 1 storey high.

Comprising—

Fifty-two stores,
 One market,
 One church,
 Four hotels,
 One wholesale house,
 One furniture factory,
 Six dwellings,
 Three miscellaneous,
 Two bakeries.

For the various wards the figures stand as follows

JAMES BAY WARD.

	No.	Cost.
Frame buildings.....	151	\$268,970
Brick ".....	8	185,400
Totals.....	159	\$454,370

YATES STREET WARD.

	No.	Cost.
Frame buildings.....	59	\$ 94,830
Brick ".....	22	484,000
Totals.....	81	\$578,830

JOHNSON STREET WARD.

	No.	Cost.
Frame buildings.....	143	\$190,820
Brick ".....	15	55,600
Totals.....	158	\$246,420

I have examined the buildings during the course of construction, especially the brick buildings, which I have visited periodically and plans of which have, in the majority of cases, been submitted to me, and I believe all are built in conformity with the City By-Laws.

A detailed list of all new buildings has been prepared and may be seen at any time.

Your obedient servant,

WILLIAM W. NORTHCOTT.



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Sanitary Engineer's Report.

SANITARY ENGINEER'S OFFICE,
CITY HALL, VICTORIA, B. C.,
31st DECEMBER, 1891.

The Sewerage Commissioners :

GENTLEMEN,—At the close of the year, I have the honor to report upon the sewerage works now being constructed by Mr. A. McBean, as follows, viz. :

Commencing at Clover Point, a channel for the steel outlet pipes has been blasted through the rock, 240 feet in length, to a point below L. W. M.

These outlet pipes, of which some are on the ground, await favorable weather and low tides to be placed in position.

From a point about 30 feet north of H. W. M., the 2 feet 10 inch x 4 feet 3 inch sewer has been built in an open cut, through earth, hard pan and rock, averaging 16 feet in depth, 696 feet in length, to the south end of the tunnel.

The tunnel crossing the Dallas road and following the line of Moss street, is 2,038 feet in length, of which 2,006 feet have been driven—921 feet in earth, 319 feet in hardpan and 766 feet in rock.

In the tunnel there are eight shafts, to afford access and ventilation.

The 2 feet 10 inch x 4 feet 3 inch sewer has been partially completed in the tunnel, a distance of 859 feet.

From the north end of the tunnel, the same sewer has been completed about 470 feet, to the intersection of Moss

and Snowdon streets. At this point two other mains will hereafter connect with the large sewer, viz. : A 12 inch branch main, sewer the neighborhood of Moss street, south of Fort street, and an 18 inch main from the eastward ; the latter will in the future pass through Mr. J. D. Pemberton's property to a point on the Cadboro Bay road, near the Royal Jubilee Hospital, following approximately the lower levels, and affording sewerage to the rising ground on each side of it.

From the intersection of Moss and Snowdon streets a 2 feet 4 inch x 3 feet 6 inch sewer has been constructed on the latter street westward to Cook street. Here a large flush-tank, capable of discharging 3,300 gallons almost instantaneously has been provided.

The same sized sewer is continued northward to the intersection of Cook and Southgate streets. This section is complete with the exception of 30 feet of arch.

At this point the 18 inch Cook street main enters the sewer.

From the intersection of Cook and Southgate streets, a 2 feet x 3 feet sewer will run westward along Southgate street through Mr. A. McTavish's property and the Convent grounds, to McClure street. Little has been done on this section, which is easy of construction.

At McClure street, provision has been made for the reception of the sewage from James Bay.

From this point a 20 inch pipe, passing behind the R. E. Church, and thence along Humboldt street, has been laid for 1,275 feet, to a point 110 feet east of Gordon and Humboldt streets. Beyond this point, to avoid open trenching in rock, 532 feet of tunnel have been driven, following the line of Humboldt and Wharf streets.

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The 20 inch pipe has yet to be carried to the foot of Johnson street.

From this point it has been laid to the south end of Store street.

Along Store street to Chatham, and east up Chatham to Government street, with the exception of 150 feet on Store street, now being tunnelled through rock, an 18 inch pipe has been laid.

At the intersection of Government and Chatham streets, provision has been made for the reception of the sewage from the low levels in the Rock Bay district.

Thence a 15 inch pipe has been laid on Chatnam street to its intersection with Douglas street; from this point a 12 inch pipe has been laid on Douglas street as far as Pembroke street.

The only branches hitherto laid to connect with this main are the Douglas street and its laterals on Kane and Courtney streets.

Returning to the junction of Cook and Southgate streets, an 18 inch pipe has been laid up Cook street, northward, 3,517 feet; leaving 107 feet, now being tunnelled in rock, to complete the sewer as far as View street.

At the intersection of Cook and View streets, a 12 inch pipe will be laid hereafter northward, on the former street. Provision has been made throughout the Cook street main for the future reception of the sewage flowing towards it from the east.

From the intersection of Cook and View streets, a 15 inch pipe has been laid westward to Vancouver street; from this point a 10 inch pipe has been laid northward on Vancouver street, and a short distance westward on Yates street. This will be carried to Quadra street and thence northward.

From the intersection of Vancouver and View streets, the Blanchard street main consists of a 12 inch pipe laid on View street to Blanchard street, and a 10 inch pipe laid on Blanchard street to Pandora avenue. This main will hereafter be continued in a northerly direction.

The following branches to these mains have been laid, viz :

1. Blanchard street branch, between Fort and View.
2. Fort " " " Cook and Quadra.
3. Quadra " " " Fort and Mears.
4. Mears " " " Cook and Quadra.
5. Vancouver " " " Mears and Belcher.
6. Belcher & Coutts sts. branch, between Cook & Quadra.
7. Bellot street, branch, between Cook and Vancouver.
8. Scoresby " " " " "
9. Vancouver " " " Scoresby & Bellot.
10. Richardson " " " Cook and Vancouver.
11. Vancouver " " " Richardson & Scoresby

The following is a list, showing the number of lineal feet of pipe sewers laid to date :

8 in.	9 in.	10 in.	12 in.	15 in.	18 in.	20 in.
5,952 ft.	112 ft.	3,626 ft.	2,390 ft.	1,327 ft.	4,431 ft.	1,565 ft.

Making a total of 19,303 lineal feet of pipe sewer completed. The details of the built concrete sewers may be found at the commencement of this report.

In the above mentioned completed sewers, forty ventilators have been constructed, aggregating 413 feet in length and containing :

103 lineal feet of	8 inch pipes.
81 " "	10 " "
164 " "	12 " "
26 " "	20 " "

The number of manholes completed is 26 ; these are placed at all changes of direction, horizontal or vertical.

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The joint used in the construction of the pipe sewers is the "Stanford Joint." This joint is cast upon the pipes by the Corporation workmen at the pipe shed on Pandora Ave., where the pipes are delivered to the contractor ready for laying.

The shed is 40 feet x 80 feet, and stands on two lots leased to the Corporation, for two years from the 1st March last.

The two lots are jointly 180 feet x 160 feet, and have three street frontages.

The rent is \$240 per annum.

The kettles for boiling the tar and melting the composition ready for casting, are heated with gas, at a cost for fuel for each fire of about 13½ cents a day.

Naturally, there is a considerable difference in the cost of making the joints for different sized pipes, and taking the expenditure on an 8 inch pipe to represent 1,

A 9 inch pipe will cost	1¼.
A 10 " " " "	1½.
A 12 " " " "	1¾.
A 15 " " " "	2.
An 18 " " " "	2¼.
A 20 " " " "	2½.

The first shipment of pipes was received in May last, since which time the following number have been jointed, viz:

1,277.....	20 inch.....	equal to	2,554	lineal feet.
2,255.....	18 "	"	4,510	" "
753.....	15 "	"	1,506	" "
1,439.....	12 "	"	2,878	" "
1,975.....	10 "	"	3,950	" "
362.....	9 "	"	724	" "
4,902.....	8 "	"	9,804	" "

The total cost of making these joints, in which is also included receiving, culling and stacking, has been :

For labor, materials, tools, etc.....	\$3,455	88
20% depreciation on cost of pipe shed and plant...	342	30
Eight months rent of lots (half)	80	00
Total cost.....	\$3,878	18

On the foregoing basis of proportion of cost, we have :

<i>Diameter of Pipe.</i>	<i>Lineal feet.</i>	<i>Rate, Approx- imately (c.)</i>	<i>\$</i>	<i>c.</i>
20 inches	2,554	24 84/100	631	21
18 "	4,510	22 27/100	1,003	11
15 "	1,506	18 55/100	279	17
12 "	2,878	14 84/100	426	76
10 "	3,950	12 37/100	488	26
9 "	724	11 13/100	80	47
8 "	9,804	9 90/100	969	20
Total cost.....			\$3,878	18

The composition used for casting joints is composed of crude rock sulphur, sand, and coal tar.

The proportions vary somewhat with the different sizes, a larger proportion of sand being used for the large pipes than for the small. Probably an average rate would be two gallons of sulphur, three gallons of sand, and half a gallon of tar.

The cost of this work has proved greater than was anticipated, but may to a considerable extent be accounted for by charges being included which do not properly belong to joint-making: such as receiving, culling and delivering pipes, the rent of the yard, since a yard would have been necessary to store the pipes in, under any circumstances. Sulphur has also been scarce and consequently costly. It is hoped next year

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that this expenditure, though small in itself, may be reduced 25 per cent.

Early in the year, arrangements were made with the Trustees of the Douglas Estate for a right of way through section 82 of the Fairfield Estate for the outfall sewer, the compensation being fixed at \$1,000.

A right of way was also generously conceded to the Corporation by Mr. A. McTavish, through his property, without further compensation than the construction of certain connections with buildings on the property, to be made by the Corporation, free of cost to him.

Further arrangements were made with Mr. A. Henderson for a right of way through his property for a total sum of \$879.60.

Also, through the Convent grounds for the sum of \$500, all necessary connections to be made at the cost of the Corporation.

Also, through lot 1,270 owned by the Douglas Estate and the Reformed Episcopal Church, for the sum of \$500.

It is estimated that, while this arrangement is advantageous to the above mentioned property owners, a sum of about \$3,000 will be saved in construction.

With regard to the Johnson street existing sewer, I trust to be able to utilize the work already completed. It is somewhat of a difficult nature, since the sewer already built is on the combined system, while the system now adopted is the separate. The former, moreover, being 3 feet 9 inches high, where the new pipe sewer on Wharf street, is 20 inches in diameter. The invert of the old sewer is also about 5 feet below the invert of the new.

In forming an estimate of the expenditure required to complete (with the exception of the area now dealt with by

the existing Johnson street sewer), the sewerage of that section of the city, which may approximately be described as bounded on the south and west by Beacon Hill Park and the harbor, thence by Chatham, Blanchard, Pandora and Cook streets. I have the honor to call your attention to the increased expenditure, involved by the decision of the Council to place all sewers within the city limits at a sufficient depth to sewer basements. The additional cost of the Cook street main, between Southgate and Mears streets, for the item of trenching alone, being \$2,578.58, the length of pipe, exclusive of manholes being 2,404 feet; the total actual cost being at the rate of \$10,296 a mile, while the cost per mile according to the original plan, would have been \$4,780. Practically the cost of all portions of the city east of Blanchard street and north of Chatham street, as also of James Bay, will be doubled.

The following estimate of the cost required to complete the work before described is based upon the cost of that already completed.

ESTIMATE.

Purchase of right of way :		
Douglas Estate	\$ 1,300 00	
St. Ann's Convent	500 00	
R. E. Church	200 00	
Legal expenses, say	300 00	
	<hr/>	\$2,300 00
Completion of outlet work	3,818 00	
" 2 ft. 10 in. x 4 ft. 3 in. sewer	8,364 40	
" 2 ft. 4 in. x 3 ft. 6 in. sewer.	58 00	
" 2 ft. x 3 ft. sewer	11,858 14	
" 20 inch main	5,482 50	
" 18 " "	1,440 00	
" 10 inch branches	1,369 96	
" 9 " "	2,637 60	
	<hr/>	
<i>Carried forward</i>	\$34,028 60	\$2,300 00

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<i>Brought forward</i>	\$34,028 60	\$2,300 00
Completion of 8 inch branches.....	21,641 20	
Manholes.....	20,408 00	
Ventilators.....	8,019 00	
(Ordered) 60 Syphons.....	2,520 00	
Flush-tanks.....	1,236 00	
Making Pipe-joints.....	4,861 79	
Additional Pipes required.....	11,905 02	
Engineering and incidentals, 10%....	10,561 96	
	<hr/>	116,181 57
		<hr/>
		\$118,481 57

It must be distinctly understood that this estimate is based solely on the cost incurred for similar work up to date, as it is impossible to foresee what amount of rock may be met with in the future.

I have, however, the honor to point out to you that all the heavy work which may be reasonably anticipated has been provided for.

The following is a statement showing the total amount expended, as also that required to complete the work indicated on the accompanying plan.

PRELIMINARY EXPENDITURE.

100 contour plans.....	\$ 140 00	
Advertising for plans, by-laws, etc....	260 70	
Fee to R. Hering.....	1,500 00	
Premium awarded E. Mohun.....	2,000 00	
Sinking trial pits.....	500 00	
	<hr/>	\$ 4,400 50
Buildings:		
Office and furniture.....	584 20	
Pipe shed and plant.....	1,711 53	
	<hr/>	2,295 73
Advertising and printing.....		973 56
		<hr/>
<i>Carried forward</i>		\$7,669 79

<i>Brought forward</i>		\$7,669 79
Preparatory to contract :		
Preliminary surveys, resident engineer and staff	598 13	
Preparing plans, specifications, bills of quantities, etc., salaries	1,061 73	
Stationery	95 80	
Clerical assistance	58 20	
Sundries	12 40	
Fuel	18 10	
Janitor	27 50	
	<hr/>	1,871 86
Commissioners' fees	180 00	
Secretary	30 00	
Treasurer	30 00	
	<hr/>	240 00
Legal expenses (unpaid)		230 25
Right of way through Mr. Henderson's property		879 60
		<hr/>
		\$10,891 50

EXPENDITURE AND LIABILITIES TO 31st DECEMBER, 1891.

Preliminary expenditure		\$ 10,891 50
Setting out and measuring up work, resident engineer and staff, salary.	\$ 1,800 00	
Labor, tools, etc	649 00	
	<hr/>	2,449 00
Chief Engineer and staff:		
Salaries: Chief Engineer	3,000 00	
" Draughtsman	1,200 00	
" Inspectors	3,127 63	
Stationery	354 85	
Clerical assistance	26 50	
Sundries	187 75	
Fuel	34 00	
	<hr/>	
<i>Carried forward</i>	\$7,930 73	\$13,340 50

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79	<i>Brought forward</i>	\$7,930 73	\$13,340 50
	Junitor.....	120 00	
	Advertising.....	21 25	
	Testing pipes.....	284 50	
		<hr/>	8,356 48
	Commissioners' fees.....	910 00	
	Secretary.....	120 00	
	Treasurer.....	120 00	
		<hr/>	1,150 00

Value of work executed to 31st Dec., 1891 :

86	A. McBean's contract, including 10% retained.....	117,352 94	
	B. C. Pottery Co.....	25,524 07	
	Making pipe-joints, etc.....	3,455 88	
		<hr/>	146,332 89

60	Expenditure and Liabilities to 31st Dec., 1891.....	169,179 87	
50	Estimated further amount required.....	118,481 57	

	Total amount required.....	287,661 44	
	Amount realized by debentures.....	263,659 58	
50	Less interest paid Bank of B. N. A.....	924 74	
		<hr/>	262,734 84

Deficiency..... \$24,926 60

It is believed the expenditure will meet your approval, since the total charge for engineering and all other expenses for the past year amounts to 8½ per cent.

Including the preliminary expenditure for 1890 and 1891, the total charges amount to 15½ per cent.; but it is respectfully submitted that the charges for 1890 are not legitimately chargeable as a per centage on the works executed.

I have also the honor to call your attention to the fact that hitherto no steps have been taken to provide for carrying

house sewers from the public mains to the street lines; and I beg most respectfully but most urgently to recommend that this work be done by corporation workmen under proper supervision.

I have the honor to be, gentlemen,
Your most obedient servant,

EDWARD MOHUN,
Chief Engineer.



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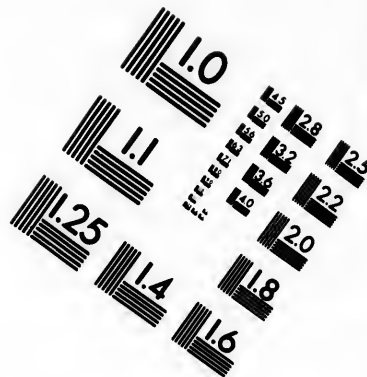
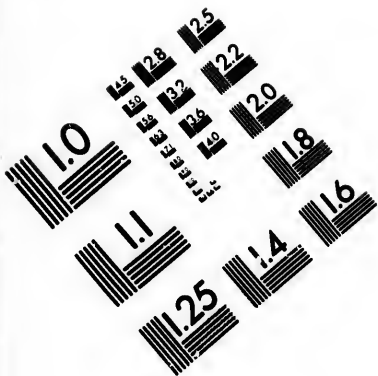
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REPORT

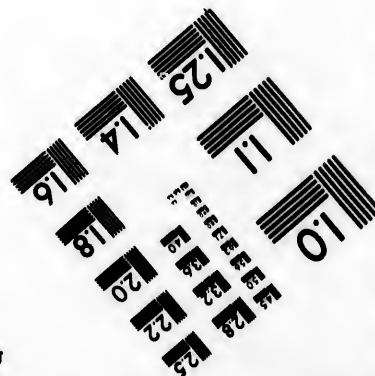
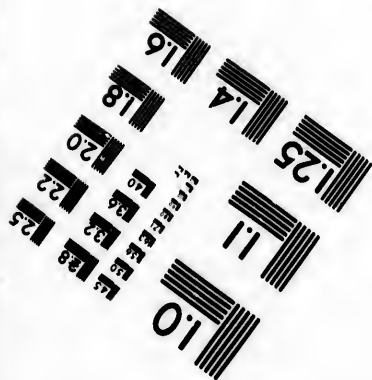
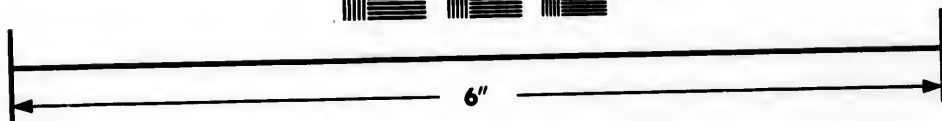
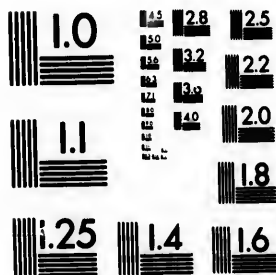
—OF THE—

CITY TREASURER.





**IMAGE EVALUATION
TEST TARGET (MT-3)**



**Photographic
Sciences
Corporation**

23 WEST MAIN STREET
WEBSTER, N.Y. 14580
(716) 872-4503

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CORPORATION OF THE

BALANCE SHEET,

ASSETS.

MUNICIPAL TAXES OUTSTANDING :—

Real Estate Tax.....	\$	16,673 71
Trades Licenses.....		1,572 50
Retail Liquor Licenses.....		25 00
Fire Insurance Tax.....		975 00
Water Rents.....		8,964 04
		\$ 28,210 25

BANK OF B. N. A., WATER WORKS SINKING FUNDS :—

\$20,000 Loan (1877) ...	\$	8,595 35
\$75,000 "		8,325 95
\$20,000 " (1888).....		822 79
\$70,000 "		2,899 64
\$60,000 "		2,487 45
		23,131 18

BANK OF B. N. A., SINKING FUNDS ACCOUNT :—

Water Works.....	\$100,000	\$ 50,289 98
"	50,000	35,941 77
Electric Light		3,846 01
Drainage		1,205 39
Streets.....	\$50,000	2,361 77
"	45,000	1,866 07
Corporation		10,891 07
Johnson Street Sewer.....		1,231 03
Park		1,035 60
Fire		611 18
City Hall		1,492 45
Cemetery		532 01
Flour Mill		377 00
Sewerage		2,659 65
Market Site		399 00
" Building		487 00
Crematory		210 00
		115,436 9
<i>Carried forward</i>		\$166,778 41

CITY OF VICTORIA.

DECEMBER 31st, 1891.

LIABILITIES.

Bank of B. N. A., overdraft		\$ 11,355 33
Unclaimed Wages		54 34
Water Works Debentures, 1874	\$ 92,500 00	
“ “ “ 1875	50,000 00	
“ “ “ 1877	20,000 00	
“ “ “ 1886	75,000 00	
“ “ “ 1888	20,000 00	
“ “ “ 1889	70,000 00	
“ “ “ 1889	60,000 00	
Streets “ 1886	50,000 00	
“ “ 1889	45,000 00	
Park “ 1889	25,000 00	
Fire “ 1889	15,000 00	
Johnson Street Sewer, Debentures, 1888	30,000 00	
Corporation “ 1878	20,000 00	
Drainage “ 1885	5,000 00	
Electric Light “ 1885	16,000 00	
Cemetery “ 1889	12,500 00	
City Hall “ 1889	35,000 00	
Flour Mill “ 1891	10,000 00	
Crematory “ 1890	10,000 00	
Sewerage “ 1890	300,000 00	
Agricultural Assoc'n “ 1891	25,000 00	
Market Building “ 1891	55,000 00	
“ Site “ 1891	45,000 00	
	1,086,000 00	
Deposits for use of Streets	670 00	
Tax Sale Redemption Account	37 87	
Building Fund Old Peoples' Home	25 00	
B. C. Corporation, Ld, advance on Market Bonds...	85,000 00	
Gov't of B. C., School Tax Acc't	6,215 00	
Outstanding Accounts	13,338 11	
McGregor & Jeeves, balance contract Market building	12,493 75	
Bills Payable	100,000 00	
	\$1,315,189 40	
Carried forward		

ASSETS—Continued.

<i>Brought forward</i>		\$166,778 41
Johnson Street Sewer Account		37,675 22
Beacon Hill Park		25,000 00
Electric Light Plant		26,500 00
Sewerage Works		149,096 79
Market Site	44,452 58	
" Building	42,055 37	
		<u>86,507 95</u>
Bank of B. N. A., Sewerage Current Account...	7,042 06	
" " Special deposit bearing int. at 4%	107,750 98	
		<u>114,793 04</u>
Library		2,600 00
Lot 318, Yates Street		6,000 00
Electric Light Building		3,500 00
Office Furniture		5,188 67
Cemetery Addition		12,483 68
Corporation Horses and Carts		1,980 00
Fire Department Plant		38,415 00
Deluge Engine House and Lot		18,000 00
City Hall and Lots 1,249 and 1,250		100,317 95
Road Roller and Crusher		4,982 26
T. Storey		79 75
Steam Drills	936 30	
Steam Engine for do	1,000 00	
		<u>1,936 30</u>
Street Sprinklers		917 30
Thos. Russell		2,000 00
Clock		3,500 00
Lots 4 and 5, Beckley Farm		1,400 00
Market Building, Advance Account		13,479 66
J. Gosnell.		325 75
B. C. Land and Investment Agency, special de- posit Old Mens' Home Building Fund.		25 00
Pound Property, Lots 18, 19, 20, Spring Ridge.		2,000 00
Unsold Debentures, Market Building Site		100,000 00
Street Repairs, 1,900 yards rock		2,850 00
B. C. Agricultural Association Bonus, secured by mortgage		25,000 00
Government of B. C., Prov. Revenue Tax Acct.	6,426 00	
" " Street Acct., new limits..	4,000 00	
" " Proportion of Charities & cost of Old Mens' Home	960 50	
		<u>11,386 50</u>
Gravel Pits, balance purchase money		10,083 52
<i>Carried forward</i>		<u>\$974,802 75</u>

LIABILITIES—Continued.

<i>Brought forward</i>	\$1,315,189 40
Water Works Current Account.....	141,092 58
Corporation City of Victoria, excess of Assets over Liabilities.....	530,183 97

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Carried forward.....

\$1,986,465 95

ASSETS—*Continued.*

<i>Brought forward</i>	\$ 974,802 75.
Water Works, Capital Account.....	1,000,000 00.
B. C. Corporation, Ltd., proceeds Crematory De- bentures, bearing interest @ 5%.....	9,800 00.
Cash.....	<u>1,863 20.</u>
	\$1,986,465 95.

Certified correct,

JAS. L. RAYMUR,
Auditor.

LIABILITIES—Continued.

Brought forward..... \$1,986,465 95.

\$1,986,465 95.

City Hall, Victoria, B. C.,
9th January, 1892.

CHAS. KENT,
Treasurer.

74,802 75.
10,000 00.

9,800 00.
1,863 20.
6,465 95.

CORPORATION OF THE
CASH STATEMENT FOR THE YEAR

RECEIPTS.

Cash on hand, Jan. 1, 1891	\$ 1,766 01
Water Rents	52,848 10
Fire Insurance Tax	9,575 00
City Pound, fees	624 50
Surveying Steeet Lines	260 00
Beacon Hill Park, for hay and wood	345 00
Real Estate Tax	189,970 65
Trade Licenses	23,134 08
Wholesale Liquor Licenses	2,275 00
Retail " "	15,485 00
Road Tax	3,259 00
Drivers' Licenses	73 00
Dog Tax	539 90
House Moving	30 00
Corporate Seal	21 00
City Maps	1 00
Police Court Fines and Fees	7,470 60
Cemetery Fees	2,455 70
Bills Payable	100,000 00
Deposit Account for use of Streets	6,300 00
Registration of Vehicles	140 00
By-laws	7 50
Market Working Account	160 00
Victoria Old Peoples' Home, donation from Dr. Helmcken	25 00
Bank B. N. A., Sewerage Loan Fund, decrease of Balance	687 55
Gravel Pits	13,151 48
Government of B. C.	225 36
T. Storey	50 00
Flour Mill Loan	10,000 00
B. C. Corporation Co., Ld.	239,181 50
Crematory Loan	10,000 00
Sewerage Loan	300,000 00
B. C. Agricultural Assoc'n Loan	25,000 00
Revenue Tax	348 00

Carried forward

\$1,015,409 93

CITY OF VICTORIA.

ENDING 31st DECEMBER, 1891.

EXPENDITURES.

Water Works Debenture Sinking Fund,	\$100,000	\$ 3,790 00	
“ “ “ “ “	50,000	3,200 00	
“ “ “ “ “ (1877)	20,000	845 00	
“ “ “ “ “ (1888)	75,000	1,557 00	
“ “ “ “ “ (1888)	20,000	266 00	
“ “ “ “ “	70,000	1,428 00	
“ “ “ “ “	60,000	1,225 00	
Corporation “ “ “		855 00	
Electric Light “ “ “		590 00	
Drainage “ “ “		186 00	
Johnson St. Sewer “ “ “		398 00	
Street “ “ “		444 00	
“ “ “ “ “		919 00	
Park “ “ “		510 00	
Fire “ “ “		301 00	
City Hall “ “ “		735 00	
Cemetery “ “ “		262 00	
Flour Mill “ “ “		377 00	
Sewerage “ “ “		2,659 65	
Market Site “ “ “		399 00	
“ Building “ “ “		487 00	
Crematory “ “ “		210 00	
			21,643 65
Water Works	\$100,000	Interest	\$ 6,632 50
“ “ (1888)	50,000	“	3,325 00
“ “ (1888)	20,000	“	1,000 00
“ “ (1877)	75,000	“	3,750 00
“ “ (1877)	20,000	“	1,600 00
“ “	70,000	“	3,500 00
“ “	60,000	“	3,000 00
Corporation Debentures,		“	1,505 00
Electric Light “ “		“	960 00
Drainage “ “		“	300 00
Johnson St. Sewer “ “		“	1,500 00
Street “ “	50,000	“	2,500 00
“ “	45,000	“	2,250 00
Park “ “		“	1,250 00
Fire “ “		“	750 00
Carried forward.....			\$ 21,643 65

RECEIPTS—*Cont. med.*

Brought forward..... \$1,015,409 93

Carried forward..... \$1,015,409 93

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EXPENDITURES—Continued.

<i>Brought forward</i>				\$ 21,643 65
City Hall	Debentures,	Interest	1,750 00	
Cemetery	"	"	125 00	
Market Building	"	"	2,200 00	
" Site	"	"	1,800 00	
Crematory	"	"	500 00	
			<hr/>	40,697 50

WATER WORKS GENERAL REVENUE:—

Wages and Salaries	\$ 23,166 79	
Hauling, Express and Cab Hire	1,714 05	
Coal and Wood	606 00	
Stationery, Printing and Advertising	127 30	
Telephones	165 00	
Cocks, Valves, &c	2,878 61	
Brick	115 75	
Lead Pipe	678 20	
Hardware, Oil and Powder	782 65	
Lumber	199 11	
Postage	24 00	
Pipe, Fittings, &c	23,728 78	
Sacks	45 25	
Pig Lead	1,800 00	
Boots	30 50	
Meters	651 65	
Insurance	20 00	
Sundries	229 00	
		<hr/>
Outstanding Accounts owing	\$545 58	56,962 64

FIRE DEPARTMENT:—

Wages	\$ 11,678 22	
Express and Cab Hire	51 25	
Feed, &c, of Horses	1,349 50	
Repairs	469 08	
Coal and Wood	153 19	
Stationery, Printing and Advertising	43 00	
Hardware, Oil, &c	386 41	
Insurance	15 00	
Lumber	59 49	
Gas	628 85	
Telephones and Telegrams	193 19	
Harness, Boots, Clothing, &c	406 42	
Postage	9 00	
		<hr/>
<i>Carried forward</i>	\$ 15,442 60	\$119,303 79

RECEIPTS—Continued.

Brought forward.....

\$1,015,409 93

Carried forward.....

\$1,015,409 93

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EXPENDITURES—Continued.

<i>Brought forward</i>	\$15,442 50	\$119,303 79
Material.....	37 55	
Furniture.....	263 60	
Hydrants.....	150 00	
Sundries.....	46 95	
	<hr/>	16,227 70
Outstanding Accounts owing.....	\$276 25	
POLICE :—		
Wages.....	\$ 21,750 58	
Carriage Hire and Express.....	120 75	
Fare of Prisoners.....	113 60	
Keep “.....	2,429 74	
Inquests, Funerals and Lunatics.....	298 50	
Postage, Stationery and Printing.....	139 90	
Drugs.....	16 50	
Gas.....	387 20	
Telephone and Telegrams.....	109 40	
Coal.....	156 00	
Interpreter.....	52 50	
Furniture.....	492 02	
Clothing.....	2,276 75	
Building Repairs.....	616 80	
Handcuffs and Badges.....	73 75	
Sundries.....	39 40	
	<hr/>	29,073 39
Outstanding Accounts owing.....	\$404 16	
Pound.....		1,097 05
Outstanding Accounts.....	\$20 45	
CHARGES :—		
Salaries.....	\$ 10,601 57	
Postage.....	259 87	
Printing.....	933 30	
Advertising.....	1,162 25	
Stationery.....	609 29	
Hack Hire and Express.....	181 00	
By-laws and Election Expenses.....	763 50	
Coal.....	135 25	
Gas.....	227 40	
Telephones and Telegrams.....	508 02	
Furniture.....	90 92	
Repairs, &c.....	79 50	
Lighting Clock.....	137 50	
Sundries.....	112 55	
	<hr/>	15,801 92
Outstanding Accounts owing.....	\$750 00	
<i>Carried forward</i>		\$181,503 85

RECEIPTS--Continued.

Brought forward.....

\$1,015,409 93

Carried forward.....

\$1,015,409 93

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EXPENDITURES—Continued.

<i>Brought forward</i>		\$181,503 85
Survey Expenses.....		3,508 34
Outstanding Account owing.....	\$7 00	
Board of Health.....		7,712 23
Outstanding Accounts owing.....	\$143 10	
Darcey Island Lepers.....		1,134 36
STREET LIGHTING:—		
Wages.....	\$ 5,001 11	
Coal.....	2,089 00	
Ship Chandlery, &c.....	265 38	
Horse Hire.....	218 00	
Telephones.....	33 00	
Stationery.....	6 60	
Material, Freight and Duty.....	1,017 80	
Hardware.....	13 80	
Cartage.....	71 80	
Repairs.....	140 19	
Insurance.....	180 00	
Poles and Hauling.....	559 00	
Sundries.....	19 07	
		<hr/>
Outstanding Accounts owing.....	\$819 57	9,615 22
Legal Expenses.....		350 00
Outstanding Accounts owing.....	\$3,787 35	
Commission.....		168 57
Outstanding Accounts owing.....	\$32 57	
Donations.....		1,320 30
Outstanding Accounts owing.....	\$48 25	
PARK:—		
Wages.....	\$ 4,180 00	
Cartage and Cab Hire.....	59 75	
Trees, Animals, Fish and Feed.....	568 87	
Hardware, Powder, &c.....	204 38	
Lime.....	39 00	
Lumber.....	107 85	
Band.....	500 00	
Surveys and Repairs.....	115 39	
Coal.....	4 00	
Flag Pole.....	250 00	
Advertising.....	7 50	
Benches.....	23 96	
Sundries.....	39 75	
		<hr/>
Outstanding Accounts owing.....	\$54 75	6,100 45
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Carried forward.....		\$211,413 32

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RECEIPTS—Continued.

Brought forward..... \$1,015,409 93

Carried forward \$1,015,409 93

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EXPENDITURES—Continued.

<i>Brought forward</i>		\$211,413 32
Weighing Machine Rent.....		80 00
Deposit Account, amount refunded.....		6,340 00
Cemetery.....		1,899 00
Outstanding Accounts owing.....	\$25 00	
LIBRARY :—		
Salaries.....	\$1,335 00	
Printing, Stationery and Books.....	225 65	
Furniture.....	18 50	
Sundries.....	7 00	
Outstanding Accounts owing.....	\$10 00	1,586 15
Sewerage Works.....		141,596 15
Outstanding Accounts owing.....	\$230 25	
Market Site Account.....		9,252 58
Crematory.....		151 75
VICTORIA OLD PEOPLES' HOME :—		
Advertising.....	\$ 10 00	
Groceries.....	237 74	
Meat.....	127 08	
Funerals.....	92 50	
Wood and Coal.....	51 00	
Blankets, Clothing, &c.....	145 26	
Bread.....	69 30	
Furniture.....	247 02	
Milk.....	69 38	
Building Alterations.....	149 25	
Rent.....	500 00	
Hardware.....	6 25	
Caretaker.....	225 33	
Washing.....	116 19	
Cab Hire.....	3 00	
Outstanding Accounts owing.....	\$453 50	2,049 30
Board School Trustees.....		6,002 33
Office Furniture.....		1,164 14
Arbitration Account.....		1,176 90
Compensation for Damages.....		661 00
Cemetery Loan Account.....		353 68
City Hall.....		317 95
Road Roller and Crusher.....		516 29
Extension City Limits.....		5,638 34
Outstanding Accounts owing.....	\$88 65	
<i>Carried forward</i>		\$390,198 88

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RECEIPTS—Continued.

Brought forward..... \$1,015,409 93

Carried forward \$1,015,409 93

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EXPENDITURES—Continued.

<i>Brought forward</i>		\$39 198 88
Cost Colquitz Water Case		3,087 20
Clock and Fitting...		4,821 22
Steam Drills		23 25
Street Sprinkler		267 85
Secret Service		500 00
Market and Building, advance acct.....		644 55
Outstanding Accounts owing.....	\$341 36	
B. C. Agricultural Association, bonus.....		25,000 00
WATER WORKS EXTENSION :—		
Outstanding Accounts	\$3,055 80	
Bank of B. N. A., decrease of balance		60,315 01
STREETS AND BRIDGES :—		
Rock.....	\$ 2,650 00	
Breaking Rock.....	2,894 19	
Contracts.....	10,906 25	
Wages.....	18,559 40	
Hauling	4,788 92	
Carriage Hire and Express.....	379 47	
Lumber	3,872 81	
Powder	302 50	
Hardware, etc.....	1,716 28	
Feed, Shoeing Horses, etc.....	852 23	
Coal and Wood.....	862 00	
Drains and Pipes	833 65	
Sidewalks	12,208 78	
Fencing	77 87	
Repairs	219 71	
Moving Buildings.....	646 50	
Cement	5 50	
Rent of Land for rock storage.....	140 00	
Telephones	30 30	
Boots	18 50	
Dies	204 42	
Advertising	72 00	
Street Grades	300 00	
Sundries.....	123 97	
Expended from Revenue.....	62,665 25	
" proceeds Gravel Pits.....	13,151 48	
Outstanding Accounts owing.....	\$1,649 42	
General Interest		75,816 73
		9,134 38
<i>Carried forward</i>		\$569,809 07

RECEIPTS—*Continued.*

Brought forward..... \$1,015,409 93

Certified correct,
JAS. L. RAYMUR, *Auditor.*

\$1,015,409 93

EXPENDITURES—Continued.

<i>Brought forward</i>		\$569,809 07
Market Building Account.....		42,055 37
Corporation Horse and Carts.....		380 00
Gravel Pits.....		1,516 71
Fire Department Plant.....		2,082 45
MISCELLANEOUS :—		
Mayor and Aldermen.....	3,800 00	
500 Copies Colonist.....	300 00	
Balance Fleet Ball.....	498 00	
Mayor of Halifax.....	500 00	
Mayor Vancouver, account Prov. Exhibit.....	220 42	
Street Grades.....	450 00	
Maynard, Photos.....	58 25	
Jubilee Hospital.....	500 00	
Address to Mayor.....	100 00	
Farmer's Delegation.....	35 00	
Expenses "Empress of India".....	262 75	
Trades and Labor Club.....	250 00	
Street Numbers.....	251 75	
Celebration 24th May.....	1,426 50	
Toronto Exhibition.....	238 00	
Mrs. Jamieson, 3 mos. wages, late husband.....	225 00	
North-western Review.....	989 00	
Provincial Exhibit.....	250 00	
Victoria Illustrated.....	2,000 00	
Census.....	416 09	
	<u>\$12,771 26</u>	
Less amt. received prize for horse.....	15 00	
		<u>12,756 26</u>
Outstanding Accounts owing.....	\$598 50	
B. C. Land and Investment Agency.....		25 00
Outstanding Accounts.....		338 69
School Tax.....		3,450 00
Government of B. C.....		3,416 66
B. C. Corporation Co., Id.....		163,981 50
Bank of B. N. A., Savings Deposit Account.....		107,750 98
Sewerage Debentures, Expense Account.....		45,784 04
Flour Mill Bonus.....		10,000 00
Bank B. N. A., Market Site.....		35,200 00
A. McBain, refund deposit.....		15,000 00
Cash on hand.....		1,863 20
		<u>\$1,015,409 93</u>

City Hall, Victoria, B. C., 9th January, 1892.

CHAS. KENT, *Treasurer*.

VICTORIA
BALANCE SHEET,

ASSETS.

Bank of B. N. A., Sinking Fund Account	\$ 23,131 18
*Corporation of Victoria.....	117,961 40
Construction Account.....	513,974 69
	\$655,067 27

*This amount shows in the Corporation Balance Sheet in two items, viz :

Liability of W. W. Current Account.....	\$141,092 58
Less an Asset of W. W. Sinking Fund Account.	23,131 18
	\$117,961 40

Certified correct,

JAS. L. RAYMUR,
Auditor.

WATER WORKS.
DECEMBER 31st, 1891.

LIABILITIES.

Debenture Account.....	\$387,500 00
Revenue Account.....	267,567 27
	<hr/>
	\$655,067 27

CHAS. KENT,
Treasurer.



