

Paid Journal Publishing Co., advertising		
bonds,	\$21.00	
American Bank Note Co., bond plate,	275.00	
T. M. Drown, water analysis,	20.00	
		\$852.63

Extension of Intake.

Paid pay-roll, labor,	\$2,479.34	
E. B. Hutchinson, lumber,	1,598.38	
William H. Ward,	429.00	
Samuel Holt, brick,	300.00	
Rowell & Plummer, mason-work,	604.15	
Frank Coffin, cement,	112.95	
Woodworth & Co., cement,	14.00	
Dickerman & Co., "	8.25	
George & H. Partridge, team-work,	53.65	
O. F. Richardson, team-work,	86.45	
George L. Theobald, "	41.00	
H. O. Marsh, coal,	48.74	
John C. Thorne, rubber boots,	39.75	
Greenough & Hazeltine, rubber boots,	25.00	
J. M. Crossman, smith-work,	85.60	
N. P. Stevens, machine-work,	20.00	
Walworth Manufacturing Co.,	65.93	
Thompson & Hoague, hardware,	202.71	
Humphrey & Dodge, "	176.72	
D. B. Varney, brass castings,	225.17	
Ford & Kimball, pattern-work,	72.39	
Concord Street Railway,	108.85	
Incidentals,	33.91	
		\$6,831.94

Land and Water Rights.

Paid Concord Mfg. Co., water rights,	\$80,000.00	
Joseph B. Walker, land for reser-		
voir,	2,214.00	
A. S. Ranney, land around lake,	1,350.00	
Alfred Roberts, land around lake,	1,275.00	
John Hook, land for reservoir,	370.00	
		\$85,209.00

Paid engineering, \$2,026.59

Summary of Accounts.

For reservoir,	\$35,004.54
reservoir grounds,	1,521.05
pipe and special castings,	10,145.93
gates and hydrants,	1,223.53
laying pipe, setting gates and hy-	
drants, etc.,	13,034.44
pumping station,	17,615.16
pumping machinery,	7,915.00
incidentals,	852.63
extension of intake,	6,830.94
land and water rights,	85,209.00
engineering,	2,026.59
	<hr/>
	\$181,378.81

Work on the reservoir was resumed in April. Owing to changes in form and construction, the contract with George W. Hendrick was annulled, and the work was carried on by the water-works, under the direct supervision of William B. Fuller, C. E., of Malden, Mass. It is now completed excepting the grading, which will be finished in the spring. Water was let into it on the third day of December, and we are satisfied that it is a model reservoir, both in design and construction.

The work of laying pipe and setting gates and hydrants by Mr. Charles H. Eglee was finished early in the season, and was very satisfactory; it was carried on with dispatch and thoroughness, and it was evident that Mr. Eglee was the right man in the right place.

Pipes were laid, and gates and hydrants set, as follows :

In Penacook street,

from pump to reservoir, 2,930 feet 20-inch pipe and 2 hydrants.

In reservoir,

240 feet 24-inch pipe.

In Penacook street,

from reservoir to Columbus avenue, 300 feet 14-inch pipe.

In Columbus avenue,

from Penacook to Auburn street, 2,100 feet 14-inch pipe.

- In Auburn street,*
east from Columbus avenue, 36 feet 14-inch pipe.
- In North and South Main streets,*
from Centre street to Hill's avenue, 2,192 feet 20-inch pipe and 5 hydrants.
- In South Main street,*
from Hill's avenue to Turnpike street, 2,422 feet 16-inch pipe and 5 hydrants.
- In Turnpike street,*
south from South Main street, 174 feet 16-inch pipe and 1 hydrant.
- In Capitol street,*
from North Main to North State street, 508 feet 10-inch pipe and 1 hydrant.
- In Centre street,*
from North Main to Huntington street, 2,088 feet 10-inch pipe and 3 hydrants.
- In Green street,*
from Centre to Prince street, 340 feet 10-inch pipe and 1 hydrant.
- In Franklin street,*
from Rumford to Auburn street, 2,154 feet 12-inch pipe and 3 hydrants.
- In Bradley street,*
63 feet 10-inch pipe and 1 hydrant.
- In Hill's avenue,*
69 feet 8-inch pipe and 1 hydrant.
- In North Spring street,*
26 feet 8-inch pipe and 1 hydrant.
On hydrant branches, 159 feet 10-inch and 474 feet 6-inch pipe.
On blow-offs, 8 feet 6-inch and 12 feet 4-inch pipe.
On connections, 436 feet 6-inch, 12 feet 12-inch, 42 feet 16-inch, 194 feet 18-inch, 32 feet 20-inch, pipe.
Extension of intake, 270 feet 30-inch brick conduit.

Summary of the Foregoing.

<i>Pipes.</i>		<i>Hydrants.</i>	<i>Stop-Gates.</i>
4-in.,	12 feet.	North Main street, 4	4-in., 3
6-in.,	918 "	South " 6	6-in., 24
8-in.,	93 "	Turnpike street, 1	8-in., 2
10-in.,	3,158 "	Penacook " 2	10-in., 17
12-in.,	2,166 "	Franklin " 3	12-in., 3
14-in.,	2,456 "	Centre " 3	14-in., 1
16-in.,	2,638 "	Capitol " 1	16-in., 2
18-in.,	194 "	Green " 1	18-in., 4
20-in.,	5,154 "	Bradley " 1	20-in., 5
24-in.,	240 "	Hill's avenue, 1	24-in., 1
30-in.,	270 "	North Spring street, 1	
	<hr/> 17,301 feet,	<hr/> 24	<hr/> 62
—equal to 3.27 miles.		Number of hydrants discontinued during the year, 4.	Whole number gates now in use, high and low service, 557.
		Whole number hydrants now in use, high and low service, 228.	

The contract for the stable, shop, and coal-house was let to Mr. E. B. Hutchinson, which is a guarantee in itself that they are well and substantially built. A suitable workshop and store-room have been needed for some time, and will be of great convenience in the care of the works. Only a portion of the grounds have been graded, but when in the condition in which we trust that next season will place them, the whole set of buildings will present a very creditable appearance.

The 30-inch brick conduit has been extended 270 feet into the lake, according to your directions; the water is introduced through three brass castings near the end, each pierced with 370 holes, one and one half inches in diameter. Owing to the low water, we could not supply the city from the lower gate-house, but were obliged to take the water at the upper gate-house, near where the work was going on; this roiled the water more or

less during the extension, and with the limited draught at this point, we could not flush the system and clear the pipes of this sediment until after all the work was done.

RECOMMENDATIONS.

We need a better system of screenage for the water-supply; this would necessitate another gate-house below the dam, and I would recommend the construction of such a building where the final screening should be done; thus the water would pass first through the one and one half inch openings of the brass castings at the end of the intake, next through half-inch screens at the lower gate-house, and finally through quarter-inch and eighth-inch screens at the proposed gate-house.

Moreover, this new gate-house should be built so as to provide a separate well or compartment for the Penacook main and for the main that supplies the pump, so that a heavy draught on any one of the several mains would not affect the others.

Since we have supplied the high service district from the reservoir, it has become evident that the pressure is too great for the pipe now in use in some localities, and we have had serious trouble with leaks in certain streets, notably in Pine street, where the pipe was struck by lightning a few years ago and thus weakened. I would therefore recommend that in certain portions of this district the cement-lined pipe be replaced by cast-iron.

I have had analyses made of the water of Penacook lake, according to your instructions; Professor Angell's report, together with the analyses, is appended to this, and shows the water to be of the same good quality as when the first analysis was made twenty years ago; and certainly we are to be congratulated upon possessing one of the finest natural water supplies in New England.

Respectfully submitted:

V. C. HASTINGS,

Superintendent.

ANALYSIS OF WATER FROM PENACOOK LAKE, JANUARY 12, 1893.

	SAMPLE NUMBER 1. From near end of intake, 300 feet from shore, 3 feet below surface.	SAMPLE NUMBER 2. From near end of intake, 300 feet from shore, 6 feet below surface.	SAMPLE NUMBER 3. From 1,000 feet above gate- house, 8 feet below sur- face.
Odor.....	Odorless.....	Odorless.....	Odorless.....
Color.....	Very slight yellowish.....	Very slight yellowish.....	Very slight yellowish.....
Evaporation.....	Nearly quiet.....	Little foamy.....	Nearly quiet.....
Residue.....	Nearly uniform and white.....	White and some circles.....	Nearly uniform and white.....
Ignition of residue.....	It darkens some.....	It darkens some.....	It darkens some.....
Solids, grains per gallon.....	1.8.....	1.75.....	1.8.....
Loss on ignition, grains per gallon.....	0.8.....	0.8.....	0.85.....
Hardness, degrees.....	0.5.....	0.5.....	0.5.....
Alkalinity.....	0.5.....	0.5.....	0.5.....
Chlorine, grains per gallon.....	0.3.....	0.3.....	0.3.....
Free ammonia, part per million.....	0.05.....	0.052.....	0.05.....
Alumina, grains per gallon.....	0.108.....	0.11.....	0.112.....
Free ammonia, part per million.....	Merest trace.....	Merest trace.....	Merest trace.....
Nitric acid.....	None.....	None.....	None.....
Nitrous acid.....	None.....	None.....	None.....
Poisonous metals.....	Trace.....	Trace.....	Trace.....
Iron.....	Trace.....	Trace.....	Trace.....
Sediment.....	Scarcely any.....	Scarcely any.....	Scarcely any.....
Microscopic examination.....	Infusoria, few bacteria, woody fibre, diatoms, lit- tle disintegrated vege- table matter.....	Infusoria, few bacteria, di- atoms, little disintegrated vegetable matter.....	Infusoria, few bacteria, di- atoms, little disintegrated vegetable matter.....
Oxygen for oxidation, grains per gall n.....	0.136.....	0.136.....	0.135.....
Quality.....	This is excellent water.....	This is excellent water.....	This is excellent water.....

REPORT BY PROF. E. R. ANGELL.

DERRY, N. H., Jan. 12, 1893.

MR. V. C. HASTINGS,

Superintendent Concord Water-Works:

DEAR SIR,—I have made a very careful analysis of the three samples of water which you sent me from Penacook lake. The results demonstrate beyond question the purity and excellence of the water.

There is a remarkable agreement in the results given by these samples taken at such different points; the uniformly good quality of the water is further corroborated by a recent analysis of a sample taken from the pipes at St. Paul's School.

Experience establishes truth. No general ill effects from the use of this water can be alleged. The conditions caused by man which surround the lake and its tributaries are, probably, the same as they have been for a period of years, and certainly the natural conditions by which the lake is supplied with water have not changed. These facts are a good guaranty of the continued purity and healthfulness of the water. Its excellence is apparent also from comparison with other waters used for public supply.

The analyses show that the organic nitrogen and carbon are small in quantity. Briefly, every result is favorable.

[Signed] EDMUND R. ANGELL.

PURITY OF WATER SUPPLY.

[COMMUNICATION FROM DR. I. A. WATSON.]

THE STATE OF NEW HAMPSHIRE,
STATE BOARD OF HEALTH,
CONCORD, N. H., Jan. 20, 1893.

W. P. FISKE, ESQ.,

President Concord Water Board, Concord, N. H.

DEAR SIR,—Your favor of this date, inclosing the report of Prof. E. R. Angell, dated Jan. 12, 1893, upon the analysis of three samples of water from Penacook lake, and asking if anything more could be done to establish the fact of the purity of the water-supply of the city of Concord, is at hand.

In reply, I would say that I have carefully examined the report, as well as that of other analyses made at different times, and I do not hesitate to say that, in my opinion, it is entirely unnecessary to seek any further evidence of the healthfulness of the water-supply of this city.

The very low amount of total solids, with a relatively small quantity of nitrogenous matter, places this lake in the front rank of potable waters, and in this respect it is far superior to that which supplies many of the cities of this country, even among the list of those possessing healthful waters. Infusoria are found in all lake waters and are believed to be entirely harmless. Bacteria are likewise always present, more or less, and, excepting disease-producing germs, which are only introduced through sewage, or some other sanitary neglect, are regarded as not inimical to health.

The city should regard itself as exceedingly fortunate in possessing such an excellent water, and if a rigid and watchful sanitary supervision is exercised over the lake and its surrounding water-shed, I believe that no question need arise as to the healthfulness of the water furnished from this lake to the people of Concord.

Very truly yours,

[Signed] IRVING A. WATSON,

Secretary.

AUDITOR'S REPORT.

CONCORD, N. H., January 13, 1893.

To the Board of Water Commissioners:

I certify that I have examined the books showing the receipts of the Concord Water-Works from January 1, 1892, to December 31, 1892, and find the same correct, and that the total amounts given therein correspond with the amounts of receipts given by the superintendent, V. C. Hastings, in his report for the year.

ARTHUR H. CHASE, *Auditor.*

TREASURER'S REPORT.

W. F. THAYER, *Treasurer.*

In account with CONCORD WATER-WORKS.

RECEIPTS.

Balance on hand Jan. 1, 1892, . . .	\$9,315.45
Bonds,	358,000.00
" premium,	16,519.25
" interest,	3,539.90
Coupons due July 1, 1892, bonds on hand,	1,500.00
Notes,	40,000.00
Income of Water-Works,	48,283.33
Balance due treasurer,	24,075.15
	<hr/>
	\$501,233.08

EXPENDITURES.

Interest on Water-Works bonds,	\$26,560.00
" " note,	1,230.00
Maintenance and extension,	114,143.08
Notes,	80,000.00
Bonds,	199,300.00
Concord M'fg Co., purchase of water rights,	80,000.00
	<hr/>
	\$501,233.08

APPENDIX.

I.

Receipts for each Year since the Completion of the Works.

For the year ending January 31, 1874,	\$4,431.10
For fifteen months ending April 1, 1875,	17,535.00
For the year ending April 1, 1876,	16,921.24
“ “ “ 1877,	19,001.07
“ “ “ 1878,	20,763.03
“ “ “ 1879,	21,869.86
“ “ “ 1880,	22,451.53
“ “ “ 1881,	26,744.58
For nine months ending Dec. 31, 1881,	25,534.01
For the year ending December 31, 1882,	27,243.06
“ “ “ 1883,	28,255.48
“ “ “ 1884,	28,915.65
“ “ “ 1885,	30,222.54
“ “ “ 1886,	30,862.64
“ “ “ 1887,	34,047.52
“ “ “ 1888,	38,441.32
“ “ “ 1889,	40,237.53
“ “ “ 1890,	42,133.41
“ “ “ 1891,	46,075.16
“ “ “ 1892,	48,351.52
Total receipts for twenty years,	\$570,037.25

II.

Mean Height of the Water Each Year.

1873,	175.86	1883,	176.40
1874,	179.50	1884,	178.18
1875,	180.00	1885,	176.80
1876,	180.28	1886,	178.10
1877,	176.46	1887,	179.04
1878,	179.50	1888,	181.96
1879,	179.74	1889,	180.91
1880,	175.30	1890,	181.90
1881,	174.70	1891,	180.00
1882,	179.15	1892,	174.32

III.

Main- and Distribution-Pipes Laid and Now in Use.

30-inch main,	. . . . .	2,220 feet.
24-inch “	. . . . .	240 “
20-inch “	. . . . .	9,025 “
18-inch “	. . . . .	13,537 “
16-inch “	. . . . .	2,789 “
14-inch “	. . . . .	26,491 “
12-inch “	. . . . .	1,351 “
14-inch distribution,	. . . . .	8,686 “
12-inch “	. . . . .	15,454 “
10-inch “	. . . . .	9,612 “
8-inch “	. . . . .	24,015 “
6-inch “	. . . . .	74,397 “
4-inch “	. . . . .	67,750 “
2-inch “	. . . . .	907 “
1-inch “	. . . . .	10,552 “
$\frac{3}{4}$ -inch “	. . . . .	6,782 “
Total,	. . . . .	273,358 feet.
—equal to 51.85 miles.		

IV.

Water is Now Supplied for the Following Uses:

3,359 families,	2 undertakers,
2,226 water-closets,	31 meters,
509 bath-tubs,	1 tannery,
800 wash-bowls,	2 bakeries,
218 heating apparatus,	107 offices,
10 water motors,	112 stores,
5 elevators,	10 drug stores,
60 urinals,	12 markets,
833 yard-hydrants,	5 restaurants,
228 fire-hydrants,	5 green-houses,
27 private fire-hydrants,	6 fountains,
3 drinking-fountains,	9 barber-shops,
10 public watering-troughs,	28 mechanic shops,
12 street-sprinklers,	6 plumber shops,
16 churches,	26 stationary engines,
1 library,	6 printing establishments,
13 public schools,	1 organ and piano manufactory,
3 private schools,	3 carriage manufactories,
8 city buildings,	2 book-binderies,
1 state-house,	5 photographers,
silver manufactory,	2 coal-yards,

1 post-office,	1 dye-house,
1 Masonic hall,	4 laundries,
1 Odd Fellows hall,	8 livery stables,
4 banks,	721 horses,
4 hotels,	157 cattle,
2 railroads,	6 saloons,
1 gas-works,	1 jail,
3 foundries,	1 state prison,
1 electric light company,	6 cemeteries
4 billiard-halls,	1 cotton-mill.

FIRE-HYDRANTS.

STREETS.	LOCATIONS.	Number.	Total.
North Main	South-west corner North Main and Penacook.....	1	
"	East side North Main, near J. B. Walker's.....	1	
"	Junction North Main and Fiske.....	1	
"	East side North Main, near Larkin's store.....	1	
"	North-west corner North Main and Franklin.....	1	
"	East side North Main, opposite Pearl.....	1	
"	North-west corner North Main and Washington.....	1	
"	West side North Main, opposite Historical Society rooms.....	1	
"	East side North Main, opposite Chapel.....	1	
"	North-west corner North Main and Court.....	1	
"	North-west corner North Main and Pitman.....	1	
"	North-west corner North Main and Montgomery.....	1	
"	East side North Main, opposite Montgomery.....	1	
"	North-west corner North Main and Centre.....	1	
"	South-east corner North Main and Bridge.....	1	
"	South-west corner North Main and Park.....	1	
"	East side North Main, opposite Park.....	1	
"	North-west corner North Main and Capitol.....	1	
"	North-west corner North Main and School.....	1	
"	West side North Main, at Centennial block.....	1	
"	East side North Main, opposite Centennial block.....	1	
"	East side North Main, in rear Eagle Hotel.....	1	
"	East side North Main, in rear Woodward block.....	1	
"	North-west corner North Main and Warren.....	1	
"	West side North Main, at Central block.....	1	
"	South-east corner North Main and Depot.....	1	
"	North-west corner North Main and Pleasant.....	1	27
South Main.	South-east corner South Main and Pleasant.....	1	
"	North-east corner South Main and Freight.....	1	
"	North-west corner South Main and Fayette.....	1	
"	East side South Main, opposite Fayette.....	1	
"	East side South Main, opposite Thompson.....	1	
"	South-east corner South Main and Chandler.....	1	
"	North-west corner South Main and Wentworth avenue.....	1	
"	North-west corner South Main and Thorndike.....	1	
"	East side South Main, opposite St. John's church.....	1	
"	North-west corner South Main and Perley.....	1	
"	West side South Main, near Abbot Downing Co.'s.....	1	
"	East side South Main, opposite Abbot Downing Co.'s.....	1	
"	North-west corner South Main and West.....	1	18
Turnpike.	East side Turnpike, near West.....	1	
"	West side Turnpike, opposite Gas.....	1	
"	West side Turnpike, near J. B. Weeks's.....	1	3
Water.	West side Water, near Capt. James Thompson's.....	1	1
Hall.	West side Hall, below Rolfe and Rumford Asylum.....	1	1
Fiske.	West side Fiske, near North State.....	1	1
Summer.	North-east corner Summer and Pitman.....	1	1
Durgin.	West side Durgin, near Toof's laundry.....	1	1
North State	South-west corner North State and Penacook.....	1	
"	North-west corner North State and Walker.....	1	
"	North-west corner North State and Church.....	1	
"	North-west corner North State and Tremont.....	1	
"	North-east corner North State and Washington.....	1	
"	West side North State, opposite Court.....	1	
"	North-west corner North State and Maple.....	1	
"	North-east corner North State and Centre.....	1	
"	East side North State, opposite government building.....	1	
"	South-west corner North State and School.....	1	
"	North-west corner North State and Warren.....	1	
"	North-west corner North State and Pleasant.....	1	12
South State	East side South State, opposite Wall.....	1	
"	North-west corner South State and Thompson.....	1	
"	South-west corner South State and Monroe.....	1	
"	East side South State, opposite Laurel.....	1	
"	South-east corner South State and Downing.....	1	
"	North-east corner South State and West.....	1	

FIRE-HYDRANTS.—Continued.

STREETS.	LOCATIONS.	Number.	Total.
South State	Junction of South State and Turnpike.....	1	7
Mills.	South-east corner Mills and Downing	1	
"	West side Mills, near Levi Call's	1	2
Dakin.	West side Dakin, near C. E. Harriman's	1	1
Broadway.	West side Broadway, near precinct line	1	1
Green.	North-west corner Green and Prince	1	2
"	East side Green, opposite Prince	1	
South.	West side South, opposite Wall	1	
"	North-west corner South and Thompson	1	
"	West side South, opposite Monroe	1	
"	West side South, opposite Laurel	1	
"	West side South, opposite Downing	1	
"	West side South, opposite Allison	1	
"	West side South, near Abbot farm	1	8
"	West side South, opposite Smith farm	1	
Bradley.	South-west corner Bradley and Penacook	1	
"	West side Bradley, opposite Walker	1	
"	East side Bradley, opposite Highlaud	1	3
Union.	North-west corner Union and Maple	1	1
Lyndon.	South-west corner Lyndon and Tremont	1	1
No. Spring.	South-west corner North Spring and Centre	1	1
So. Spring.	South-west corner South Spring and Oak	1	
"	West side South Spring, opposite Concord	1	
"	West side South Spring, opposite Perley proposed extension	1	3
Rumford.	West side Rumford, opposite Perkins	1	
"	North-east corner Rumford and Franklin	1	
"	West side Rumford, opposite Beacon	1	
"	North-east corner Rumford and Abbot	1	
"	North-east corner Rumford and Cambridge	1	
"	North-east corner Rumford and School	1	6
Tahanto.	North-west corner Tahanto and School	1	1
Pine.	South-west corner Pine and Centre	1	1
High.	North-west corner High and Auburn	1	
"	East side High, opposite Forest	1	
"	South-west corner High and Franklin	1	3
Giles.	South-east corner Giles and School	1	1
Fruit.	North-east corner Fruit and Clinton	1	
"	East side Fruit, opposite Wm. W. Critchett's	1	
"	North-west corner Fruit and Woodman	1	3
Minot.	West side Minot, near Odd Fellows' Home	1	1
Penacook.	South-west corner Penacook and Rumford	1	
"	South-east corner Penacook and Columbus avenue	1	2
Highland.	North-east corner Highland and Rumford	1	1
Church.	North side Church, opposite Lyndon	1	
"	North-east corner Church and Rumford	1	2
Franklin.	North-west corner Franklin and Jackson	1	
"	South-west corner Franklin and Rumford	1	
"	South side Franklin, opposite W. J. Ahern's	1	
"	North-east corner Franklin and Auburn	1	4
Beacon.	North-west corner Beacon and Jackson	1	1
Blanchard.	North-west corner Blanchard and Essex	1	1
Ferry.	North side Ferry, east of C. & M. Railroad	1	1
Washington.	South-west corner Washington and Union	1	
"	North-west corner Washington and Rumford	1	
"	North side Washington, opposite Perry avenue	1	3
Valley.	North side Valley, opposite Forest	1	1
Auburn.	North west corner Auburn and Forest	1	1
Centre.	North-east corner Centre and North State	1	
"	South-west corner Centre and Green	1	
"	North-west corner Centre and Union	1	
"	North-west corner Centre and North Spring	1	
"	North-west corner Centre and Rumford	1	
"	South side Centre opposite Essex	1	
"	South-west corner Centre and Summit avenue	1	7
Bridge.	South side Bridge, near easterly barn	1	1
Capitol	North-east corner Capitol and North State	1	1

FIRE HYDRANTS.—Continued.

STREETS.	LOCATIONS.	Number.	Total.
School.	North-west corner School and Green.....	1	
"	North-west corner School and North Spring.....	1	
"	North-west corner School and Merrimack.....	1	
"	North side School, near city storehouse.....	1	
"	North side School, near W. S. Brooks's.....	1	5
Depot.	North-west corner Depot and Railroad square.....	1	1
Warren.	North-west corner Warren and Green.....	1	
"	North-west corner Warren and North Spring.....	1	
"	North-west corner Warren and Rumford.....	1	
"	South-west corner Warren and Merrimack.....	1	
"	North-west corner Warren and Tabanto.....	1	
"	South-east corner Warren and Liberty.....	1	
"	Junction Warren and Pleasant, near Fruit.....	1	7
Pleasant.	North-west corner Pleasant and Railroad Square.....	1	
"	North-west corner Pleasant and Green.....	1	
"	North-west corner Pleasant and Rumford.....	1	
"	South side Pleasant, opposite Pine.....	1	
"	South side Pleasant, opposite Liberty.....	1	
"	North side Pleasant, near Salem.....	1	
"	South side Pleasant, near Mrs. Eddy's.....	1	
"	North side Pleasant, near Mrs. Lane's.....	1	
"	North side Pleasant, near J. McC. Hammond's.....	1	
"	South side Pleasant, opposite Pond road.....	1	
"	South side Pleasant, near J. Milnor Coit's.....	1	
"	North side Pleasant, opposite Infirmary.....	1	
"	South side Pleasant, near the mill.....	1	13
Marshall.	North side Marshall, opposite Fuller.....	1	1
Hill's ave.	North-east corner Hill's avenue and South Main.....	1	
"	South-west corner Hill's avenue and Railroad square.....	1	2
Fayette.	North-west corner Fayette and Elm.....	1	1
Chandler.	South side Chandler, opposite Railroad.....	1	1
Concord.	South side Concord, opposite Jefferson.....	1	1
Thorndike.	North-east corner Thorndike and Grove.....	1	1
Laurel.	North-east corner Laurel and Pierce.....	1	1
Perley.	North-west corner Perley and Grove.....	1	
"	South side Perley, near old brook.....	1	2
West.	North side West, near Badger.....	1	
"	North side West, opposite Dakin.....	1	
"	North side West, at intersection Broadway.....	1	3
Harrison.	North-west corner Harrison and Morton.....	1	1
Allison.	North-west corner Allison and Mills.....	1	1
Prospect.	North-west corner Prospect and Granite avenue.....	1	1
Curtice ave.	North side Curtice avenue, near John C. Kenney's.....	1	1
On main line	West side West Concord road, near Bradley barn.....	1	
"	North-east corner West Concord road and Foster.....	1	
"	East side West Concord road, near cemetery gate.....	1	
"	West side West Concord road, near Calvary cemetery.....	1	
"	East side West Concord road, near C. R. Farnum's.....	1	5
WEST CONCORD.			
Main.	East side Main, near old city farm.....	1	
"	East side Main, near engine-house.....	1	
"	East side Main, opposite D. Holden's.....	1	
"	West side Main, near north mill.....	1	
"	East side Main, opposite Geo. W. Brown's.....	1	
"	East side Main, near Mr. Harrington's.....	1	
"	East side Main, opposite A. Hollis's.....	1	7
Electric.	North-east corner of Electric and Main.....	1	
"	North side Electric, near power station.....	1	2
High.	East side High, near S. W. Kellom's.....	1	
"	East side High, near Mrs. G. E. Holden's.....	1	2
Depot.	South side Depot, opposite railroad station.....	1	1
Hutchins.	North side Hutchins, near B. T. Putney's.....	1	
"	North side Hutchins, near C. & C. Railroad.....	1	2
Pen'c'k Road	West side Penacook road, near Warner road.....	1	
"	West side Penacook road, near Mr. Currier's.....	1	2

FIRE-HYDRANTS.—*Concluded.*

STREETS.	LOCATIONS.	Number.	Total.
PENACOOK.			
Main.	West side Main, opposite Stark street.....	1	
"	West side Main, near Mr Prescott's.....	1	
"	South-west corner Main and Union.....	1	
"	Washington Square, opposite Washington.....	1	
"	North-west corner Main and Charles.....	1	
"	North side Main, opposite East Canal.....	1	
"	North side, near iron bridge.....	1	7
High.	East side High, opposite Summit.....	1	
"	North-west corner High and Maple.....	1	
"	North-west corner High and Spring.....	1	3
Washington.	South-east corner Washington and Union.....	1	
"	South side Washington, opposite John Whitaker's.....	1	
"	South side Washington, opposite Charles.....	1	
"	South side Washington, near Contoocook bridge.....	1	4
Charles.	South-west corner Charles and Warren.....	1	
"	North side Charles, near Geo. W. Corey's.....	1	2
West Canal.	South-east corner West Canal and Warren.....	1	1
East Canal.	North side East Canal, near Contoocook Mfg. Co.....	1	
"	North side East Canal, near Crescent.....	1	2
Merrimack.	South side Merrimack, opposite Merrimack avenue.....	1	
"	North side Merrimack, opposite D. W. Fox's.....	1	
"	North side Merrimack, opposite Cross.....	1	
"	South side Merrimack, opposite Rolfe's shop.....	1	
"	North side Merrimack, near road to Island.....	1	6
Summer.	North-west corner Merrimack and Penacook.....	1	
"	North side Summer, opposite High.....	1	2
"	North-east corner Summer and Centre.....	1	1
Spring.	North-east corner Spring and Church.....	1	1
Centre.	North-west corner Centre and Spring.....	1	1
Cross.	South-west corner Cross and Summer.....	1	1
Rolfe.	North side Rolfe, near James Corbett's.....	1	
"	North-west corner Rolfe and Penacook.....	1	2
Whole number of public hydrants.....			228
PRIVATE HYDRANTS.			
Concord Railroad yard, 3 post and 3 flush hydrants.....		6	
Northern Railroad yard, 4 post hydrants.....		4	
New state prison.....		3	
Old state prison yard.....		1	
Abbot-Downing Co.'s yard.....		6	
Page Belting Co.'s yard.....		2	
W. P. Ford & Co.'s yard.....		1	
N. H. Asylum for Insane yard.....		1	
Concord Gas Light Co.'s yard.....		1	
S. Paul's school.....		1	
Water-works pumping station grounds.....		1	
Whole number of private hydrants.....			27

STREET DEPARTMENT.

STREET DEPARTMENT.

REPORT OF THE COMMISSIONER OF HIGHWAYS.

During the past year Sewall's Falls bridge has been shingled at an expense of \$180.00, also the Twin bridge at Penacook at an expense of \$270.00. The iron bridge at East Concord has been painted at an expense of \$145.00.

The culvert at Willow Hollow has been extended about thirty feet east and a fill of about 1,200 yards put in; and Main street at Penacook has been widened, the expense being \$1,200.00, and a large fill at the new bridge in the Borough.

Pillsbury street, running west from Turnpike street, near the Margaret Pillsbury Hospital, has been built, and also a number of short streets have been graded.

These will furnish desirable lots upon which to erect dwellings. The bank on the east side of the river, just above the lower bridge, has been rubbled. A good job has been done there, and, with a small amount expended each year in the future, the bank can be preserved from being washed away by the spring freshets.

I would recommend the relaying of the stone pavement for the whole distance that it occupies on North Main street. It has been dug up so many times during the past few years that it is impossible to repair it in a satisfactory manner without relaying it.

I hope the board of aldermen will take some action the present year in regard to the paving of Bridge street from its junction with North Main street to the bridge over the railroad tracks. The muddy condition of the street at that point seems to require it. I would also call the attention of the board to the condition of the Free bridge. It has been built about forty-three years and it is doubtful if it can be repaired with economy. It is my opinion that it should be replaced at once by a new

structure. The piers and abutments are probably in a good condition, and the expense of rebuilding would be materially lessened on that account.

I recommend the purchase of a new street sweeper, as the one in use is nearly worn out. There ought also to be one, if not two, new street sprinklers procured. The tub sprinkler has been in service for a number of years and ought to be replaced by a new one. And another new sprinkler could be used to advantage on some of the streets where, on account of a lack of sprinklers we have been unable to go. There were twenty-nine streets sprinkled the past season, and the calls that are annually made for more sprinkling can only be met by having more sprinklers to do the work. The month of December last was a very favorable one for our highway department on account of the light fall of snow, and as a result a balance is left in favor of the department for the year 1892.

Respectfully submitted,

ALFRED CLARK,

Commissioner of Highways.

There has also been paid to the city treasurer the sum of \$1,430.15 for amounts collected of abutters for their proportions of concrete sidewalks, as follows :

RECEIPTS.

E. A. Sewell,	\$19.35
John & William Tebau,	23.48
G. K. Whitman,	15.76
William Prowse,	22.49
D. Cutting,	14.13
W. A. Thompson,	14.22
E. T. Morrison,	41.75
Seth R. Dole,	10.87
C. H. Swain,	11.67
W. W. Allen,	13.95
S. S. Brown,	20.25
Mrs. H. Brown,	18.75
W. A. Kenney,	7.56

STREET DEPARTMENT.

169

J. M. Moore,	\$21.87
W. D. Chandler,	14.45
E. McQuesten,	8.71
S. C. Eastman,	34.52
H. G. Buswell,	9.98
A. W. Davis,	11.61
S. N. Brown,	17.40
Mrs. L. E. Kelley,	12.28
L. W. James,	10.13
L. B. Hoit,	10.71
Ellen E. Fay,	12.50
W. H. Pitman,	31.34
Tahanto Real Estate Ass'n,	17.07
Michael Shine,	9.00
W. J. Moore,	10.14
John Dakin,	42.90
J. M. Mitchell,	25.65
Joseph Collins,	22.50
James Sanborn Estate,	6.28
Miss Howe,	11.40
D. Parker,	11.24
W. S. Bates,	75.07
William Taylor,	13.28
L. H. Carroll,	5.80
W. H. Barry,	6.16
Fred E. Cloudman,	5.80
Dr. A. C. Alexander,	14.65
Patrick Hagerty,	9.49
N. E. Martin,	53.62
Martin & Luscomb,	9.76
John M. Fletcher,	19.64
Cummings Brothers,	17.72
M. H. Bradley,	111.10
G. W. Stewartson,	6.43
Patrick Reardon,	12.73
H. E. Conant,	45.16
Hannah Sargent,	16.86
Zeb. F. Swain,	10.08
Geo. Patterson,	12.73

F. C. Lang,	\$8.00
John B. Sherburne,	13.83
John L. Jordan,	3.68
G. W. Mooney,	17.56
J. A. Gervais,	11.06
B. French,	10.12
Mrs. Mary A. Parker,	8.62
B. L. Ring,	9.24
Betsey Warren Estate,	5.47
G. T. Comins,	28.53
Frank Cressy,	13.59
James G. Leighton,	31.56
W. W. Kennedy,	8.52
Geo. Clough,	9.40
Mary E. Twomey,	19.44
W. D. Hayden,	11.57
Mrs. C. Hall,	10.00
Frank Collins,	26.59
T. P. Sullivan,	122.72
H. F. Brown,	15.00
B. G. Merrill,	8.82
Catherine Lee,	4.84
	<hr/>
	\$1,430.15

The concrete bills remaining unpaid are those of,

I. M. Savage,	\$75.79
W. S. Blanchard,	8.95
Nancy Dutton,	18.05
Contoocook Co.,	50.02
Howard Trevette,	31.11
P. Glennon,	7.65
T. McCarthy,	8.97
Boscawen Mills,	34.75
T. Murphy,	18.22
A. O. Mansur,	10.39
H. Mansur,	10.39
Geo. Mansur,	20.62
F. Pettingill,	25.94
	<hr/>
	\$320.85

SPRINKLING THE STREETS.

The following account of the receipts and expenditures for sprinkling the streets, for the season of 1892, is inserted for the information of the public:

RECEIPTS.

NORTH MAIN STREET.

EAST SIDE.

G. B. Emmons,	\$3.00	C. W. Clark,	\$2.00
Moseley & Co.,	2.00	D. E. Murphy,	3.00
N. H. Democratic Press Co.,	3.00	T. W. & J. H. Stewart,	5.00
Scribner & Britton,	2.00	F. P. Mace,	3.00
Batchelder & Co.,	5.00	E. B. Davis,	1.00
G. A. Berry & Co.,	3.00	Sleeper & Hood,	5.00
J. E. Pecker,	1.00	Piper & Ballou,	3.00
First National Bank,	5.00	J. C. Thorne,	5.00
A. P. Fitch,	3.00	W. G. Shaw & Co.,	3.00
E. H. Rollins & Sons,	3.00	Humphrey & Dodge,	10.00
C. F. Sherburne,	2.00	Eagle,	6.00
F. E. Colburn,	2.00	W. U. Tel. Co.,	3.00
N. G. Carr,	2.00	N. H. Savings Bank,	5.00
F. Reed,	5.00	J. M. Stewart & Sons Co.,	5.00
Thompson & Hoague,	5.00	W. P. Underhill & Co.,	3.00
G. A. Young,	1.00	T. R. Sandford,	2.00
Phenix,	7.00	J. Welcome,	1.00
F. E. Nelson,	5.00	G. W. Wadleigh,	1.50
W. A. Thompson,	3.00	S. Wardner,	2.00
Brown & Currier,	3.00	E. E. Fisher,	2.00
Holland & Derby,	3.00	H. W. Brickett,	3.00
L. J. Uffenheimer,	3.00	A. C. Sanborn,	3.00
M. Wolff,	5.00	E. H. Randall,	2.00
Thurston & Emmons,	3.00	Mrs. O. Stearns,	5.00
C. N. Towle,	1.00	W. H. Pitman,	2.00
G. K. Mellen,	3.00	G. P. Conn,	5.00
Smith & Jenkins,	3.00	W. Odlin,	2.00
E. B. Crapo,	3.00	W. K. & Mrs. A. McFarland,	5.00
H. W. Stevens,	1.00	J. F. Morrill,	2.00

S. A. Dow,	\$2.00	W. W. Niles,	\$2.00
Mrs. M. C. H. Seavey,	2.00	J. F. Healey,	1.00
C. H. Cook,	1.00	J. B. Walker,	5.00
Mrs. J. Abbott,	2.00	F. S. Streeter,	3.00
C. S. Parker,	2.00	J. A. White,	3.00
W. G. Carter,	5.00	S. S. Kimball,	7.00
P. H. Larkin,	2.00		
C. T. Page,	2.00		<u>\$228.50</u>

WEST SIDE.

Perkins & Berry,	\$5.00	E. E. Clarke,	\$1.00
G. W. Dudley,	3.00	J. M. Runals,	2.00
W. L. Collins,	1.50	W. H. Dunlap & Co.,	3.00
D. W. Sullivan & Co.,	3.00	J. Broggin,	2.00
C. H. Martin & Co.,	3.00	L. E. Currier,	2.00
G. H. Moore,	2.00	H. J. Lowell,	5.00
T. S. Lovely,	2.00	Reed & Mudgett,	2.00
D. M. Camp,	3.00	J. H. Lamprey,	2.00
H. F. Wyatt & Co.,	3.00	S. A. Bowers,	3.00
State Capital Bank,	5.00	W. D. Merrick,	5.00
Stevens & Duncklee,	3.00	Miss S. Stickney,	1.00
F. A. Bates,	3.00	F. Battles,	1.00
Morrill Bros.,	3.00	Mrs. C. P. Blanchard,	1.00
A. P. Sherburne,	2.00	Miss S. G. Perkins,	1.00
J. R. Hill Co.,	5.00	W. P. Ford & Co.,	3.00
J. Hazelton & Son,	3.00	G. H. Marston,	2.00
H. N. Newell,	3.00	A. P. Carpenter,	3.00
D. R. Bean,	3.00	G. F. Page,	2.00
Streeter & Walker,	2.00	H. McFarland,	5.00
Morrill & Danforth,	2.00	J. P. George,	2.00
Mechanicks National Bank,	5.00	M. R. Holt,	2.00
G. T. Comins,	2.00	W. P. Fiske,	5.00
W. E. Hunt,	2.00	E. Gerrish,	5.00
R. F. Robinson,	2.00	E. S. Nutter,	2.00
W. C. & I. T. Chesley,	3.00	Mrs. F. Pearson,	2.00
Silsby & Son,	3.00	Underhill & Kittredge,	3.00
J. S. Hubbard,	1.50	W. K. Day,	1.50
J. B. Sanborn,	3.00		
E. W. Willard,	3.00		<u>\$154.50</u>
E. Lapierre,	2.00		

SOUTH MAIN STREET.

S. C. Morrill,	\$3.00	L. A. Smith,	\$3.00
E. G. Cummings,	1.00	D. J. Murphy,	2.00
Cummings Bros.,	3.00	H. O. Marsh,	3.00
E. J. Hill,	5.00	Mrs. H. B. Tebbetts,	5.00

STREET DEPARTMENT.

173

Mrs. J. L. Pickering,	\$3.00	S. A. Carter,	\$3.00
G. B. Whittredge,	3.00	B. A. Kimball,	3.00
W. E. Hood,	1.00	C. H. Thorndike,	3.00
G. W. Greer,	1.00	Miss A. Downing,	10.00
C. C. Webster,	2.00	Abbot-Downing Co.,	5.00
J. C. Norris & Co.,	3.00	H. R. Bugbee,	1.00
W. J. Fernald,	2.00	Mrs. J. A. Eames,	5.00
I. L. Pickering,	2.00	Nelson & Durrell,	3.00
J. E. Barry,	5.00	Mrs. S. A. Holt,	3.00
F. Evans,	2.00	Concord Ice Co.,	2.00
J. S. Norris,	2.00	W. Gage,	1.50
Mrs. W. Abbott,	1.00	J. M. Hill,	3.00
St. Mary's School,	3.00		
Mrs. F. Low,	2.00		
Mrs. C. C. Lund,	3.00		
			<hr/>
			\$102.50

NORTH STATE STREET.

H. H. Dudley,	\$3.00	J. W. Merrill,	\$2.00
John Kimball,	5.00	B. E. Badger,	2.00
F. W. Rollins,	5.00	J. A. Dadmun,	2.00
C. E. Burnside,	2.00	Mrs. L. B. Morrill,	2.00
J. E. Robertson,	3.00	N. F. Lund,	2.00
Mrs. O. Pillsbury,	3.00	R. T. Crowell,	2.00
Miss Mary Pierce,	3.00	H. L. Rand,	2.00
W. L. Foster,	3.00	F. Allison,	1.00
N. White,	3.00	Mrs. J. B. Stanley,	1.00
J. F. Webster,	3.00	Mrs. C. B. Hill,	1.00
W. F. Thayer,	3.00	J. F. Harriman,	1.00
G. T. Comins,	3.00	C. R. Sanborn,	1.00
Mrs. L. S. Morrill,	2.00	A. J. Batchelder,	1.00
First Baptist Society,	3.00	B. F. Virgin,	2.00
J. S. Mathews,	1.00	A. D. Ayling,	3.00
Mrs. S. C. Hamilton,	2.00	M. W. Russell,	2.00
P. Kittredge,	3.00	P. M. Randall,	2.00
G. Walker,	3.00	F. Leighton,	2.00
J. C. Ordway,	2.00		
J. H. Gallinger,	2.00		
H. E. Abbott,	2.00		
			<hr/>
			\$90.00

SOUTH STATE STREET.

James Minot,	\$3.00	G. B. Emmons,	\$2.00
S. F. Morrill,	2.00	F. E. Gale,	2.00
A. P. Chesley,	3.00	N. E. Elkin,	2.00
J. C. Norris,	3.00	W. H. Alexander,	2.00
D. D. Taylor,	3.00	C. P. Virgin,	2.00
G. H. Emery,	3.00	E. A. Clark,	2.00

CITY OF CONCORD.

P. Flanders,	\$2.00	P. Crane,	\$1.00
J. Burgum,	2.00	H. C. Sturtevant,	1.00
H. Rolfe,	1.00	O. Ballou,	1.00
I. S. R. Sanborn,	1.00	J. L. Mason,	1.00
F. B. Scribner,	1.00	W. Burbank,	1.00
H. W. Clapp,	2.00	C. Nutting,	1.00
S. Holt,	2.00	O. S. Snell,	1.00
F. Webster,	2.00	C. W. Pearl,	1.00
D. D. Brainerd,	2.00	T. Sargent,	2.00
W. S. Wilson,	2.00	J. B. S. Fletcher,	1.00
S. P. Danforth,	2.00		
A. Atherton,	1.00		<u>\$60.00</u>

GREEN STREET.

J. A. Cochran,	\$2.00	Mrs. W. Walker,	\$2.00
P. F. Stevens,	2.00	F. W. Messe,	2.00
C. H. Dunklee,	2.00	H. O. Adams,	2.00
C. C. Danforth,	2.00	Mrs. N. M. Locke,	2.00
M. Gilmore,	2.00	Mrs. G. Bullock,	1.50
A. B. Sargent,	2.00	D. C. Woodman,	2.00
T. W. Young,	2.00	H. W. Clough,	2.00
Unitarian Society,	2.00	W. W. Stone,	2.00
Mrs. M. S. Osgood,	2.00		
Union Stable,	2.00		<u>\$35.50</u>

SCHOOL STREET.

J. H. Rowell,	\$3.00	W. B. Durgin,	\$2.00
Mrs. N. White,	3.00	L. E. Currier,	2.00
L. R. Fellows,	2.00	N. C. Nelson,	1.00
W. S. Baker,	2.00	F. W. Landon & Co.,	1.00
J. Woods,	2.00	P. A. Clifford,	1.00
P. Pillsbury,	1.00	E. W. Abbott,	1.00
F. S. Crawford,	2.00		
Mrs. L. M. Morrill,	1.50		<u>\$24.50</u>

PLEASANT STREET.

N. H. Asylum,	\$10.00	American Tea Co.,	\$2.00
H. E. Chamberlin,	5.00	H. A. Macdonald,	2.00
E. Dow,	5.00	D. E. Clarke,	2.00
L. Downing,	5.00	Jerome Ford,	2.00
G. L. Stratton,	5.00	S. R. Dole,	2.00
Mrs. J. P. Baneroft,	4.00	Morrison & Searles,	2.00
Mrs. R. N. Corning,	3.00	Wright & Mercer,	2.00
W. Russell,	3.00	E. N. Spencer,	2.00
F. A. Stillings,	3.00	Mrs. S. F. Silsby,	2.00

STREET DEPARTMENT.

175

Mrs. M. J. Marshall,	\$2.00	Mrs. H. W. Fuller,	\$3.00
Mrs. E. G. Crockett,	2.00	D. E. Willard,	2.00
J. T. Sleeper,	2.00		
Lee Bros,	1.00		\$74.00
W. L. Himes,	1.00		

WARREN STREET.

Mrs. J. Minot,	\$5.00	C. B. Crane,	\$2.00
Mrs. H. A. Bridge,	5.00	J. M. Collins,	2.00
S. Humphrey,	3.00	Mrs. A. Fletcher,	2.00
O. Morrill,	3.00	J. D. Perkins,	2.00
H. W. Stevens,	3.00	H. C. Sturtevant & Son,	2.00
H. E. Worcester,	3.00	N. P. Rines,	2.00
J. H. Toof,	3.00	H. A. Mann,	2.00
M. Humphrey,	3.00	T. Kerley,	2.00
W. G. C. Kimball,	2.00	Bouchard & Dupont,	2.00
A. C. Ferrin,	2.00	P. Planchette,	2.00
D. Hazelton,	2.00	S. Sewall,	1.50
Aldrich & Dudley,	2.00	T. W. Illman,	1.50
F. E. Brown,	2.00	Mrs. S. K. Blanchard,	1.00
H. Huntress,	2.00	Mrs. C. E. Thompson,	1.00
W. W. Taylor,	2.00		
W. A. Clough,	2.00		\$69.00

CAPITOL STREET.

Concord Gas Light Co.,	\$3.00	A. W. Davis,	\$1.00
George Goodhue,	2.00	United States Government,	25.00
I. C. Evans,	2.00		
Mrs. N. White,	5.00		\$38.00

PARK STREET.

W. M. Mason,	\$2.00	Mrs. A. L. Drew,	\$1.00
C. R. Walker,	1.00	United States Government,	25.00
D. E. Sullivan,	1.00		
E. A. Stockbridge,	1.00		\$31.00

SOUTH STREET.

H. W. Ranlet,	\$5.00	N. M. Carter,	\$3.00
J. F. Jones,	5.00	Mrs. E. J. Little,	4.00
G. C. Hopkinson,	5.00	Mrs. C. E. Hutchins,	3.00
Mrs. A. Downing,	5.00	C. C. Perkins,	2.00
Mrs. W. Harriman,	5.00	C. H. Wiggin,	2.00
H. C. Brown,	3.00	J. K. Ewer,	1.00
J. P. Nutter,	3.00	J. H. Caswell,	1.00
W. M. Colby,	2.00	F. Cressy,	3.00

CITY OF CONCORD.

T. H. Barker,	\$2.00	L. Rollins, 1891,	\$2.00
L. Rollins,	2.00		<u>2.00</u>
			\$58.00

FREIGHT STREET.

Ranlet & Marsh,	\$3.00	H. T. Dickerman,	\$1.00
Geo. Bodwell,	1.00	A. P. Davis,	1.00
J. G. Crowley,	1.00		<u>1.00</u>
			\$7.00

BRIDGE STREET.

Fairfield & Co.,	\$2.00	Dickerman & Co.,	\$3.00
			<u>3.00</u>
			\$5.00

NORTH SPRING STREET.

D. Merrill,	\$2.00	J. Brice,	\$1.00
G. A. Foster,	2.00	D. Young,	1.00
F. A. Tenney,	2.00	Mrs. M. A. Craigue,	1.00
L. C. Merrill,	2.00	F. V. Osgood,	1.00
Mrs. A. C. Heath,	2.00	Mrs. O. Reed,	1.00
L. H. Buntin,	2.00	D. L. Gage,	1.00
H. A. Macdonald,	2.00	J. W. Fletcher,	1.00
Mrs. F. A. Huntington,	1.00	D. S. O'Connell,	1.00
G. A. Brown,	1.00	G. W. Hill,	1.00
J. R. Miller,	1.00		<u>1.00</u>
H. H. Metcalf,	1.00		\$28.00
H. Goodwin,	1.00		

SOUTH SPRING STREET.

J. E. Rand,	\$2.00	Mrs. B. M. Locke,	\$1.00
L. H. Carroll,	2.00	C. H. Osgood,	1.00
S. A. Currier,	2.00	Mrs. A. Wood,	1.00
A. S. Marshall,	2.00	J. Y. Lane,	1.00
R. N. Philbrick,	1.00		<u>1.00</u>
Mrs. W. W. Storrs,	1.00		\$14.00

THOMPSON STREET.

J. W. Sleeper,	\$2.00	Mrs. R. M. Morgan,	\$2.00
S. A. Carter,	2.00	O. T. Carter,	2.00
Mrs. C. C. Lund,	2.00	W. J. Greene,	2.00
E. N. Spencer,	2.00	W. M. Colby,	1.00
N. G. Carr,	2.00	C. H. Sibley,	1.00
G. W. Dudley,	2.00	C. L. Brown,	2.00

STREET DEPARTMENT.

177

G. K. Mellen,	\$1.00	J. C. Ordway,	\$2.00
C. H. Sanders,	1.00	F. P. Virgin,	2.00
C. B. Flanders,	1.00	T. W. Pillsbury,	2.00
Mrs. N. M. Carter,	1.00		<hr/>
W. H. Durant,	1.00		\$34.00
W. Sargent,	1.00		

FISKE STREET.

V. C. Hastings,	\$5.00	Mrs. I. W. Hammond,	\$3.00
S. C. Eastman,	5.00	A. A. Currier,	2.00
S. S. Kimball,	5.00		<hr/>
M. D. Cummings,	5.00		\$27.00
A. C. Hardy,	2.00		

CENTRE STREET.

George Cook,	\$2.00	H. S. Ordway,	\$1.00
J. C. Badger,	2.00	F. S. Johnson,	1.00
H. M. Sinclair,	2.00	J. Rollins,	1.50
D. Webster,	2.00	D. B. Newhall,	1.00
N. P. Stevens,	2.00	G. Walker,	2.00
D. C. Allen,	2.00	M. Gurley,	1.00
G. M. Savage,	2.00	W. T. Packard,	1.00
Mrs. J. C. Shaw,	2.00	J. H. Gallinger,	1.00
N. Saltus,	2.00	I. A. Watson,	2.00
J. W. Bourlet,	2.00	C. C. Hill,	2.00
H. A. Rowell,	2.00		<hr/>
C. A. Kendall,	2.00		\$37.50

FAYETTE STREET.

N. C. Young,	\$2.00	M. B. Smith,	\$1.00
Mrs. J. S. Lund,	2.00	Mrs. C. H. Ordway,	1.00
J. E. Dwight,	2.00	Mrs. J. F. Emerson,	1.50
St. Mary's School,	2.00	J. Smith,	1.00
F. E. Cloudman,	2.00	W. E. Emerson,	1.00
G. H. Emery,	2.00	A. Clark,	2.00
J. B. Sherburne,	1.50	W. K. Day,	1.50
G. W. Wales,	2.00		<hr/>
B. F. Hardy,	2.00		\$28.00
C. G. Remick,	1.50		

DEPOT STREET.

Republican Press Asso.,	\$3.00	H. E. Conant,	\$2.00
L. A. Smith,	2.00		<hr/>
			\$7.00

WASHINGTON STREET.

First Cong. Soc.,	\$3.00	W. D. Thomes,	\$1.00
H. W. Brickett,	2.00	M. F. Rogers,	1.00
G. P. Cleaves,	1.00		
S. M. Griffin,	1.00		\$10.00
J. R. Howe,	1.00		

COURT STREET.

E. B. Woodworth,	\$3.00	E. F. Mann,	\$2.00
J. H. Pearson,	3.00		
J. B. Rand,	2.00		\$10.00

MERRIMACK STREET.

Mrs. M. Marden,	\$3.00	F. K. Jones,	\$3.00
F. Moseley,	2.00	G. F. Underhill,	2.00
J. S. Crockett,	1.50		
			\$11.50

PINE STREET.

H. A. Dodge,	\$3.00	Mrs. E. H. Woodman,	\$2.00
W. D. Thompson,	2.00		
Mrs. A. Dodge,	2.00		\$9.00

LAUREL STREET.

E. B. Hutchinson,	\$5.00	Mrs. G. W. Phipps,	\$1.00
L. H. James,	3.00	J. A. Dearborn,	1.00
S. F. Prescott,	3.00	H. W. Ferrin,	1.00
T. Sweeney,	2.00	J. B. Runals,	2.00
L. W. Bean,	2.00		
J. H. Lane,	2.00		\$24.00
G. W. Abbott,	2.00		

ORCHARD STREET.

H. A. Dodge,	\$2.00	A. G. Jones,	\$2.00
G. F. Underhill,	2.00	A. P. Sherburne,	1.00
F. K. Jones,	2.00		
			\$9.00

FRANKLIN STREET.

Mrs. E. H. Rollins,	\$5.00	J. C. French,	\$2.00
Mrs. H. Richardson,	3.00	R. F. Robinson,	2.00
F. D. Ayer,	2.00		
			\$14.00

STREET DEPARTMENT.

179

PEARL STREET.

M. J. Pratt,	\$3.00	Mrs. N. Merrill,	\$2.00
W. D. Wallace,	1.00	C. Smart,	1.00
S. C. Edgerley,	1.00	J. T. Woodbury and	
F. E. Healey,	1.00	H. L. Sanders,	1.00
H. S. Dunlap,	1.00		<hr/>
E. H. Dixon,	1.00		\$12.00

ELM STREET.

E. McQuesten,	\$2.00	F. D. Holmes and	
W. E. Tenney,	2.00	F. T. Bean,	\$1.50
Mrs. L. Hoit,	1.00	D. E. Willard,	1.00
P. C. Bean,	1.00		<hr/>
Mrs. J. F. Cotton,	1.00		\$10.50
J. T. Gordon,	1.00		

RECAPITULATION.

North Main street, East side,	\$228.50
North Main street, West side,	154.50
South Main street,	102.50
North State street,	90.00
South State street,	60.00
Green street,	35.50
School street,	24.50
Pleasant street,	74.00
Warren street,	69.00
Capitol street,	38.00
Park street,	31.00
South street,	58.00
Freight street,	7.00
Bridge street,	5.00
North Spring street,	28.00
South Spring street,	14.00
Thompson street,	34.00
Fiske street,	27.00
Center street,	37.50
Fayette street,	28.00
Depot street,	7.00
Washington street,	10.00
Court street,	10.00
Merrimack street,	11.50
Pine street,	9.00
Laurel street,	24.00
Orchard street,	9.00
Franklin street,	14.00
Pearl street,	12.00
Elm street,	10.50
	<hr/>
	\$1,263.00

The collection of subscriptions for the street sprinkling has been attended to as heretofore by Mr. Howard M. Cook, and the results are as satisfactory as could be expected under the present system.

The full account of individual subscriptions is presented for the information of the public.

All which is respectfully submitted, as supplementary to the report, by

ALFRED CLARK,
Commissioner of Highways.

REPORT OF THE COMMITTEE ON SEWERS
AND DRAINS.

To the City Council :

The committee on sewers and drains would respectfully submit their report for the year ending December 31, 1892.

New sewers have been laid during the year in the following streets, and the cost of laying the same as near as can be ascertained from the pay-rolls, and other expenses incurred, is as follows :

Thompson street, 82 feet 8-inch pipe,	\$78.30
Jackson street, 110 feet 10-inch pipe,	155.91
North State street, 372 feet 12-inch pipe,	681.29
North Essex street, 130 feet 8-inch pipe,	74.67
Highland and Rumford streets, 475 feet 8-inch pipe,	171.41
Dakin street, 700 feet 10-inch pipe,	622.72
Beacon street, 325 feet 10-inch pipe,	683.74
Granite avenue, 250 feet 8-inch pipe,	110.27
West Concord road, 850 feet 10-inch pipe,	493.82
Rumford street, 100 feet 8-inch pipe,	34.75
Morton street, 170 feet 8-inch pipe,	66.74
School street, 800 feet 10-inch pipe,	889.07
Holt street, 62 feet 8-inch pipe,	34.76
Relaying Bradley street,	131.58
	\$4,229.03

Work was also commenced on a brick sewer to extend from its junction with the South End sewer in Allison street, some 1,500 feet west to South street. The sewer is 24 by 36 inches in size and about 392 feet of it was laid the past season. The expense incurred thus far in its construction is as follows :

Labor pay-rolls,	\$3,095.42
Mason work,	803.00
G. L. Theobald, use of horse,	85.87

Samuel Holt, brick,	\$229.50
Woodworth & Co., cement,	105.00
Lumber and repairs,	60.00
	<hr/>
	\$4,378.79

During the year of 1892, Mr. Alfred Clark, commissioner of highways, had charge of the construction of sewers in the central wards. The South End sewer proved to be expensive; the ground was full of springs and quicksand and required lots of curbing.

The sewer committee elected by the city government are H. W. Clapp, F. P. Quimby, Henry McFarland, John B. Dodge, Adam P. Holden.

NORTH END SEWER.

CONCORD, N. H., January 21, 1893.

To the Committee on Sewers and Drains :

GENTLEMEN,—The following is a statement of expenditures on the “North End Sewer” for the year 1892; also, the cost per foot for the portion completed :

Tools,	\$252.46
Curbing and patterns,	205.72
Cement,	421.61
Brick,	778.65
Castings,	52.50
Pay-rolls laborers,	3,781.52
Masons' labor,	700.60
Rubber boots,	27.50
Removing surplus earth,	39.00
Rebuilding masonry at outlet,	107.00
Trucking,	6.25
Repairs on tools,	2.80
Engineering and superintendence,	197.15
	<hr/>
Total amount expended,	\$6,572.76
Deducting cost of masonry at outlet,	\$107.00
Tools and material on hand,	311.00
	<hr/>
	418.00
	<hr/>
Total expended on sewer,	\$6,154.76

There is built 1,725 feet of 24-inch by 36-inch brick sewer, making the cost per foot \$3.56. The remaining portion of the sewer, yet to be built, can be built at much less cost per foot, as the deeper portion is now completed, and the water from the river will not prove so much of a hindrance as it did in the fall of 1892. The work was commenced September 7, and was carried on continuously with the exception of a few stormy days, and three days owing to high water in the river. All work was stopped December 5.

I would suggest that work be commenced on the remaining portion as soon as the season will permit, and in this way avoid the fall rains, as they add materially to the expense of construction.

Respectfully yours,

W. B. HOWE.

WEST CONCORD SEWERAGE PRECINCT.

On petition of the inhabitants of West Concord, this precinct was formed and plans and estimates prepared by the engineer for a sewerage system embracing the entire village.

The amount of pipe required for the work, when completed, will be nearly two and one half miles, estimated to cost, when laid and ready to receive sewage, \$17,000. An ordinance has been passed authorizing an issue of bonds for this amount, for a sinking fund for the payment of the same at maturity.

This season there has been laid 1,400 feet 15-inch pipe, 4,600 feet 12-inch, and 2,650 feet 10-inch. Pipe sufficient to complete the entire sewer has been bought and is now on the ground.

The amount of money expended for the entire amount of pipe, and for all labor and material employed for the past season, was \$9,166.78.

ADAM P. HOLDEN,
Agent.

REPORT OF THE PENACOOK SEWER PRECINCT.

To the City Council:

I have the honor to report that during the past season the original plan of the sewerage system has been completed. The total amount of bonds issued by the city is \$24,000, which is somewhat under the original estimate.

The work done in 1892 consists of an extension of the Brook sewer in the rear of Main street six hundred feet, constructed with 18-inch Akron sewer pipe; eight hundred and fifty feet of 15-inch pipe on Penacook street; one thousand one hundred and fifty feet of 12-inch pipe and five hundred and fifty feet of 8-inch pipe on Rolfe street.

These extensions were built by contract by Mr. Henry Morrill, in accordance with plans and specifications drawn by Mr. William B. Howe.

The extremely low price of sewer pipe during the summer, and very favorable terms on the part of the contractor for building the sewer, were the cause of effecting a saving of about fifteen hundred dollars from the original estimates for this part of the work, and at the last meeting of the city council in January, bonds to that amount were ordered canceled.

We now have a system that will probably supply the needs of the village for several years, with a few short lines which may be called for by the completion of new streets.

I would respectfully suggest to the citizens living upon such streets that it will be necessary to present a petition to the city council for such extensions, as all that was originally laid out by the city has been completed.

I would also call the attention of those who contemplate making connections with the public sewers to the provisions of chapter 22, of the city ordinances, and particularly to section 15 of that chapter, which provides "If any person shall enter or cause to be entered any common sewer for the purpose of drainage, or for any other

purpose, without the permission in writing of the committee on sewers and drains, or shall enter such sewer or drain in a manner different from that prescribed by this chapter, or shall obstruct or injure any common sewer, he shall, on conviction thereof, be fined not less than ten nor more than twenty dollars for each offence."

At the time of the burning of Sanders's block, December 31, 1891, a large amount of cinders was carried into the sewer on East Canal street, which, with the great quantity of sand from the catch-basin on Main street, allowed to overflow into the sewer, completely filled it and necessitated the taking up of some three hundred feet, causing an expense of nearly four hundred dollars. I would renew my recommendation of last year, that, if possible, more care should be exercised by the highway department in keeping the catch-basins free from sand.

The following is a financial statement of receipts and expenses for the year :

RECEIPTS.	
Balance from last year,	\$99.27
Appropriation for 1892,	100.00
Bonds sold,	3,000.00
Premium and interest,	164.22
	\$3,363.49
EXPENDITURES.	
Paid Foss & Merrill, for plans,	\$75.50
Isaac Baty, sewer pipe and supplies,	902.44
Thompson & Hoague, hardware,	21.45
Foote, Brown & Co., "	7.31
Concord Foundry Co., castings,	6.00
Ford & Kimball, castings,	39.05
Woodworth & Co., cement,	21.60
contracts and labor pay-rolls,	2,194.79
American Bank Note Co., printing bonds,	18.30
Cash on hand,	77.05
	\$3,363.49

Respectfully submitted :

JOHN B. DODGE,
Sewer Committee.

PUBLIC LIBRARY.

PUBLIC LIBRARY.

REPORT OF THE TRUSTEES.

To the City Council :

The trustees of the Public Library respectfully invite your attention to the accompanying reports of the librarian and the treasurer, showing in detail its condition, management, and financial situation.

The very extensive circulation of books, and the very large number of people who continue to avail themselves of the advantages of the reading-room and of the reference department, furnish the clearest indication of the favor with which the institution is regarded.

The action of the legislature of 1891 in the passage of an "Act to promote the establishment and efficiency of free public libraries," and the large number of towns that have taken advantage of the legislative provisions in that respect, as well as that manifest popularity of our own library, clearly establish the fact that such institutions are not merely luxuries, but have become necessities hardly less essential to the moral and the literary culture of the people than the church and the public schools.

We believe that our library contains every variety of useful and entertaining literature. Hardly any department is unrepresented therein to some extent.

As in every town and city, so here a large proportion of the reading public indulges in light literature, such as novels and stories. Imagination has not perished from the earth, and dull and heavy would society become if it ever should or could ; and, therefore, works of fancy continue to be in great demand. In this department we have endeavored to include only wholesome and harmless books, and we trust our endeavor has not been unsuccessful.

But the tastes and habits of life, and of study of all classes of men, women, and children, have been regarded in our selections.

Popular works, relating to the arts and sciences, mechanics, architecture, commerce, trade and manufactures, books of travels, ancient and modern history, biography, poetry, philosophy, politics, and religion, will be found upon our shelves; and therefore business men and professional men, farmers, mechanics, artisans, teachers, and men and women of leisure may confidently resort to the library with assurance of profit, education, and recreation.

The inevitable expenses of the institution (which we have endeavored to restrict as much as possible) leave but a small margin of funds for the purchase of books; and while we are grateful for your generosity in the past, we urgently ask that as large appropriations for the future may be made as are consistent with other municipal necessities.

The trustees, in behalf of the public, thankfully acknowledge the receipt from Mr. William P. and Miss Clara M. Fowler of excellent portraits of their father and mother, in memory of whom their munificent gift of the library building was made.

The zeal, industry, and efficiency of our librarian and his assistants continue to merit the highest commendation.

CHARLES H. SANDERS,	WARD 1.
JOSEPH T. CLOUGH,	“ 2.
PAUL R. HOLDEN,	“ 3.
WILLIAM L. FOSTER,	“ 4.
CHARLES R. CORNING,	“ 5.
JAMES S. NORRIS,	“ 6.
WILLIAM W. FLINT,	“ 7.

Concord, January, 1893.

REPORT OF THE LIBRARIAN.

To the Board of Trustees :

The library has been open every working day during the past year, and the number of books delivered to its patrons each day and week during that time has been as follows :

CIRCULATION OF BOOKS.

From January 1 to June 30, both dates inclusive.

	Mon.	Tues.	Wed.	Thur	Fri.	Sat.	Days	Total.
Jan. 1 to Jan. 2, inclusive,					282	463	2	745
Week ending Jan. 9,	278	273	115	191	314	552	6	1723
“ “ “ 16,	241	228	124	166	141	794	6	1694
“ “ “ 23,	195	285	230	193	248	656	6	1807
“ “ “ 30,	223	239	146	196	261	720	6	1785
“ “ Feb. 6,	216	326	174	189	308	645	6	1858
“ “ “ 13,	218	325	212	102	375	643	6	1875
“ “ “ 20,	253	329	173	210	340	628	6	1933
“ “ “ 27,	124	444	227	171	319	744	6	2029
“ “ Mar. 5,	262	370	175	134	436	658	6	2035
“ “ “ 12,	263	224	336	195	215	810	6	2043
“ “ “ 19,	261	427	259	210	169	734	6	2060
“ “ “ 26,	325	429	148	285	339	646	6	2172
“ “ Apr. 2,	269	341	225	217	287	664	6	2003
“ “ “ 9,	227	266	196	37	307	667	6	1700
“ “ “ 16,	221	323	186	177	261	550	6	1718
“ “ “ 23,	201	279	161	115	261	623	6	1640
“ “ “ 30,	189	286	138	127	317	163	6	1220
“ “ May 7,	226	289	235	191	262	634	6	1837
“ “ “ 14,	183	299	107	204	278	517	6	1588
“ “ “ 21,	214	279	171	168	158	501	6	1491
“ “ “ 28,	285	288	178	173	257	577	6	1758
“ “ June 4,	20	288	149	130	286	569	6	1442
“ “ “ 11,	163	215	137	149	280	504	6	1448
“ “ “ 18,	102	175	178	139	213	599	6	1406
“ “ “ 25,	136	202	170	139	237	500	6	1384
4 days ending June 30, *	163	229	114	154			4	660
	5,458	7,658	4,664	4,362	7,151	15,761	156	45,054

From July 1 to December 31, both dates inclusive.

	Mon.	Tues.	Wed.	Thur.	Fri.	Sat.	Days.	Total.
July 1 to July 2, inclusive,					305	446	2	751
Week ending July 9,	26	262	180	153	299	477	6	1397
“ “ “ 16,	173	207	134	162	236	536	6	1448
“ “ “ 23,	162	257	185	152	226	462	6	1444
“ “ “ 30,	124	227	160	108	207	453	6	1279
“ “ Aug. 6,	176	219	133	126	235	288	6	1177
“ “ “ 13,	208	215	126	113	181	424	6	1267
“ “ “ 20,	200	241	139	116	251	320	6	1267
“ “ “ 27,	207	248	177	76	231	315	6	1254
“ “ Sept. 3,	191	277	172	195	213	459	6	1507
“ “ “ 10,	7	326	156	165	258	472	6	1384
“ “ “ 17,	123	235	69	142	263	517	6	1349
“ “ “ 24,	171	232	136	161	245	473	6	1418
“ “ Oct. 1,	188	224	163	166	254	547	6	1542
“ “ “ 8,	123	232	152	137	228	536	6	1408
“ “ “ 15,	166	257	165	103	202	554	6	1447
“ “ “ 22,	157	235	172	163	20	711	6	1458
“ “ “ 29,	200	239	102	158	244	517	6	1460
“ “ Nov. 5,	200	277	87	142	217	564	6	1487
“ “ “ 12,	240	28	359	93	298	582	6	1600
“ “ “ 19,	146	197	152	219	218	593	6	1525
“ “ “ 26,	196	225	256	17	311	603	6	1608
“ “ Dec. 3,	179	294	114	174	279	590	6	1630
“ “ “ 10,	206	301	161	103	304	605	6	1680
“ “ “ 17,	183	259	121	184	251	584	6	1582
“ “ “ 24,	157	248	171	114	236	232	6	1158
“ “ “ 31,	15	364	252	167	300	540	6	1638
	4,124	6,326	4,194	3,609	6,512	13,400	158	38,165

Summary, 1892.

	Mon.	Tues.	Wed.	Thur.	Fri.	Sat.	Days.	Total.
Jan. 1 to June 30, inc.,	5458	7658	4664	4362	7151	15761	156	45054
July 1 to Dec. 31, inc.,	4124	6326	4194	3609	6512	13400	158	38165
	9,582	13,984	8,858	7,971	13,663	29,161	314	83,219

Summary, 1891.

	Mon.	Tues.	Wed.	Thur.	Fri.	Sat.	Days.	Total.
Jan. 1 to June 30, inc ,	5843	8587	5448	4607	7832	17177	155	49494
July 1 to Dec. 31, inc ,	4896	6870	4920	3983	6368	12602	158	39639
	10,739	15,457	10,368	8,590	14,200	29,779	313	89,133

Eight thousand eight hundred and sixty-one of the books given out have been sent to Penacook in the care of Mr. N. S. Gale. These books are exchanged on Tuesday and Friday of each week.

The reading-room, furnished with newspapers and magazines for all classes of its patrons, has been open every day during the year, and is well patronized.

Eight hundred books have been purchased during the year; 79 books and 162 pamphlets, including reports of government officers, maps illustrating the official records of the Civil War, and magazines have been received as donations; also catalogues and reports have been received in exchange with other libraries.

We have again been kindly remembered by Mr. William P. Fowler and Miss Clara M. Fowler in the presentation of fine portraits of their parents, Hon. Asa Fowler and Mrs. Mary C. K. Fowler.

The library now contains 18,500 volumes;—of these, 11,500 volumes are books for circulation; 2,000 volumes, including books for reference, local history, and biography, are included in the reference library, and the balance, made up largely of government publications, are seldom, most of them never, called for, which take up a large amount of room on the shelves in the upper book-room and balcony. A room should be finished and furnished in the basement for their storage, and provision made for its warming and lighting when necessary. This or some other provision for their keeping must be made soon, as the shelves in the lower book-room are already crowded with books of the circulating library, and the shelves in the upper book-room and balcony are needed for the proper accommodation of additional books for the circulating and reference departments.

Respectfully submitted:

D. F. SECOMB,
Librarian.

January 2, 1893.

REPORT OF THE TREASURER.

To the City Council:

The balance in the hands of the treasurer, January 1, 1892, was \$367, to which has been added the city appropriation of \$6,000, and receipts from the library amounting to \$43.73, making a total of \$6,410.73 as available funds for the purposes of the library.

Of this sum \$6,000 has been expended as per itemized account in the expenses of the city, and \$310.62 from the funds on hand, leaving a balance in the hands of the treasurer of \$100.11.

BALANCE SHEET.

DR.

Cash on hand January 1, 1892, . . .	\$367.00	
Received from city,	6,000.00	
" sale of catalogues, etc., . . .	43.73	
		\$6,410.73

CR.

Paid as per itemized account,	\$6,000.00	
" Republican Press Association, . . .	310.62	
Cash on hand,	100.11	
		\$6,410.73

TRUST ACCOUNT.

DR.

Cash on hand,	\$102.50	
Received from Lyon fund,	60.00	
" Pierce fund,	41.25	
		\$203.75

CR.

By paid for books,	\$203.75	
------------------------------	----------	--

Respectfully submitted:

WILLIAM P. FISKE,
Treasurer.

SANITARY DEPARTMENT.

SANITARY DEPARTMENT.

REPORT OF THE BOARD OF HEALTH.

To the City Council :

The board of health are able to again report that the past year has been one of improvement in sanitary matters in our city. The coöperation of citizens,—property owners and tenants,—in the work of the board and its executive officer, has been as hearty as in the recent previous years, which have witnessed gratifying progress toward the goal of the best possible sanitary conditions for a city which is highly favored by location, inhabited by enterprising, intelligent people, and which ranks among the healthiest, as well as most beautiful, of the smaller municipalities of the country.

THE HEALTH OFFICER.

The board learned with regret of the desire of their executive officer, Henry A. Rowell, who had faithfully, impartially, and intelligently performed his duties, to engage in a different occupation. His successor, Charles E. Palmer, quickly mastered the responsibilities and requirements of the position, and the board can truthfully say that their work has in no respect suffered on account of the necessity that an experienced officer should give place to one who must for a time labor under the disadvantage of being new to the position. Mr. Palmer has worked in season and out of season in the performance of his duties, and has exhibited at all times excellent judgment and a true appreciation of the responsibilities of the work in which he is engaged. Under his supervision there can be no backward steps in our city's sanitary management. Attention is called to his report printed elsewhere, which bears its own witness to his industry and attention to duty.

PRECAUTIONS AGAINST CHOLERA.

The prevalence of cholera in New York city and elsewhere led the board to take precautionary steps in anticipation of possible danger, and upon their recommendation an appropriation was made for the purpose of putting the city pest-house near the camp-ground in condition for the reception of patients in the event that it should be needed. The appropriation was judiciously expended under the direction of Health Officer Palmer, and by vote of the city council the house is now under the supervision of the board of health.

CONTAGION.

Our citizens have shown a most gratifying interest the past year in the efforts of the board to limit the spread of contagious diseases. The advantage to the community of our card of warning posted on an infected house meets with more recognition than ever before. Too much care cannot be exercised by the adults of the household lest they carry contagion as they go about our streets and public places. Books can well serve as a medium for conveying the poisonous little scales of skin that rattle off a scarlet-fever case, and hence all teachers should see that no schoolbooks are carried to the school room from an infected house. It is also a question if books should be allowed to be taken from the public library by members of such a household. In any contagious disease the future safety of the neighborhood depends much on the thoroughness of the fumigation after convalescence has taken place. Many cases come to the knowledge of the board where the work, through ignorance or want of skill, has been most inefficiently performed, and often because of the fancied security given it is worse than useless. In all instances where the family desire it the health officer will be pleased to attend to the details of the fumigation at no expense to them other than the cost of the materials used, which at most is but a trivial outlay. The board trust the public will fully avail themselves of the health officer's services.

PLUMBING INSPECTION.

The time has come when the board feel that they but voice the sentiments and wishes of our most thoughtful citizens in asking that the plumbing of the city be done subject to the approval of a competent inspector. The health of a tenant's family should not be put