

B.

MEAN HEIGHT OF WATER EACH YEAR.

1873,	175.86	1890,	181.90
1874,	179.50	1891,	180.00
1875,	180.00	1892,	174.32
1876,	180.28	1893,	173.38
1877,	176.46	1894,	172.81
1878,	179.50	1895,	171.15
1879,	179.74	1896,	178.96
1880,	175.30	1897,	183.33
1881,	174.70	1898,	184.31
1882,	179.15	1899,	183.49
1883,	176.40	1900,	183.09
1884,	178.18	1901,	183.86
1885,	176.80	1902,	184.98
1886,	178.10	1903,	184.75
1887,	179.04	1904,	184.40
1888,	181.96	1905,	183.37
1889,	180.91	1906,	183.94

WATER DEPARTMENT.

Centre	479	245	247	369	1	1	2																				
Charles	1777	1777	1777	1777	1	1	3																				
Crescent	482	482	635	635	2	2	1																				
Cross	734	734	734	734	2	2	3																				
High	2100	2100	2100	2100	3	3	1																				
Main, West	2573	2573	2573	2573	1	1	2																				
Maple	57	57	57	57	2	2	1																				
Merimack	1251	2023	37	214	3	3	2																				
Penacook	1251	2023	37	214	2	2	2																				
Pine	652	652	652	652	1	1	1																				
Rolle	529	529	529	529	1	1	1																				
Spring	1203	1203	1203	1203	3	3	1																				
Stark	1193	1193	1193	1193	1	1	1																				
Summer	709	709	709	709	2	2	1																				
Union	276	276	276	276	1	1	1																				
Washington	150	150	150	150	1	1	2																				
Winter	450	450	450	450	1	1	1																				
Hydrant-branches	55	55	55	55	1	1	45																				
Blow-offs	10	10	10	10	2	2	9																				
Totals	2220	11391	15340	11567	1732	15246	22823	15514	522	28795	1963	2788	19788	9834	35935	15646	86600	33508	6	21	12	4	32	72	51	500	163

D.

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	
"	Northwest corner North Main and Franklin.....	1	
"	East side North Main, opposite Pearl.....	1	
"	Northwest corner North Main and Washington.....	1	
"	West side No. Main, opp. Historical Society rooms.....	1	
"	East side North Main, opposite Chapel.....	1	
"	Northwest corner North Main and Court.....	1	
"	Northwest corner North Main and Pitman.....	1	
"	Northwest corner North Main and Montgomery.....	1	
"	East side North Main, opposite Montgomery.....	1	
"	Northwest corner North Main and Centre.....	1	
"	Southeast corner North Main and Bridge.....	1	
"	Southwest corner North Main and Park.....	1	
"	East side North Main, opposite Park.....	1	
"	Northwest corner North Main and Capitol.....	1	
"	Northwest 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	
"	Northwest corner North Main and Warren.....	1	
"	West side North Main, at Central Block.....	1	
"	Northeast corner North Main and Depot.....	1	
"	Northwest corner North Main and Pleasant.....	1	27
South Main.	Southeast corner South Main and Pleasant.....	1	
"	Northeast corner South Main and Freight.....	1	
"	East side South Main, opposite Fayette.....	1	
"	East side South Main, opposite Thompson.....	1	
"	Southeast corner South Main and Chandler.....	1	
"	Northwest corner So. Main and Wentworth Avenue.....	1	
"	Northwest corner South Main and Thorndike.....	1	
"	East side South Main, opposite St. John's Church.....	1	
"	Northwest 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	
"	East side South Main, near West.....	1	
"	Northeast corner South Main and Gas.....	1	
"	West side South Main, opposite Holt Bros. Mfg. Co.....	1	
"	Southwest corner South Main and South State.....	1	
"	Northwest corner South Main and Pillsbury.....	1	
"	East side South Main, opposite Pillsbury.....	1	
"	West side South Main, opposite Langdon.....	1	
"	West side South Main, at J. H. Lamprey's.....	1	
"	West side South Main, at W. J. Sawyer's.....	1	20
Water.	West side Water, near Capt. James Thompson's.....	1	1
Hall.	West side Hall, opposite Rolfe and Rumford Asylum.....	1	
"	West side Hall, near E. W. Robinson's.....	1	
"	West side Hall, near F. H. George's.....	1	
"	West side Hall, opposite Hammond.....	1	
"	East side Hall, opposite W. H. Page's.....	1	
"	East side Hall, near Rumford Field.....	1	6
Hammond.	North side Hammond, near Bridge.....	1	1
Fiske.	West side Fiske, near North State.....	1	1
Summer.	Northeast corner Summer and Pitman.....	1	1
Durgin.	East side Durgin, opposite Toof's laundry.....	1	1
North State.	Southwest corner North State and Penacook.....	1	
"	Northwest corner North State and Walker.....	1	
"	Northwest corner North State and Church.....	1	

FIRE-HYDRANTS—Continued.

STREETS.	LOCATIONS.	Number.	Total.
North State.	Northeast corner North State and Franklin	1	
"	Northwest corner North State and Tremont	1	
"	Northeast corner North State and Washington	1	
"	West side North State, opposite Court	1	
"	Southwest corner North State and Maple	1	
"	Southeast corner North State and Centre	1	
"	Southeast corner North State and Park	1	
"	Southwest corner North State and School	1	
"	Southeast corner North State and Warren	1	
"	Northwest corner North State and Pleasant	1	13
South State.	East side South State, opposite Wall	1	
"	Northwest corner South State and Thompson	1	
"	Southwest corner South State and Monroe	1	
"	East side South State, opposite Laurel	1	
"	Northeast corner South State and Downing	1	
"	Northwest corner South State and West	1	
"	Southwest corner South State and Harrison	1	7
Mills.	West side Mills, near Levi Call's	1	1
Dakin.	West side Dakin, near C. E. Harriman's	1	1
Dunklee.	Northwest corner Dunklee and Pillsbury	1	1
Broadway.	Northwest corner Broadway and Allison	1	
"	Northwest corner Broadway and Stone	1	2
Green.	Northwest corner Green and Prince	1	
"	East side Green, opposite Prince	1	
"	Northwest corner Green and Warren	1	3
South.	West side South, opposite Wall	1	
"	Northwest 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	
"	West side South, opposite Smith farm	1	
"	Northwest corner South and Rockingham	1	
"	East side South, at Quint's	1	
"	West side South, near Bow line	1	11
Bradley.	Southwest corner Bradley and Penacook	1	
"	Northwest corner Bradley and Walker	1	
"	East side Bradley, opposite Highland	1	
"	Northwest corner Bradley and Franklin	1	4
Union.	Northwest corner Union and Maple	1	1
Jackson.	Northeast corner Jackson and Church	1	1
Lyndon.	Southwest corner Lyndon and Tremont	1	1
North Spring.	Southwest corner North Spring and Centre	1	
"	East side North Spring, opposite High School	1	2
South Spring.	Southwest corner South Spring and Oak	1	
"	West side South Spring, opposite Concord	1	
"	West side So. Spring, opp. Perley proposed extension ..	1	3
Rumford.	West side Rumford, south of cemetery gate	1	
"	West side Rumford, opposite Perkins	1	
"	Northeast corner Rumford and Albin	1	
"	Northeast corner Rumford and Franklin	1	
"	Northwest corner Rumford and Beacon	1	
"	Northeast corner Rumford and Abbott	1	
"	Northeast corner Rumford and Cambridge	1	
"	Northeast corner Rumford and School	1	8
Tahanto.	Northwest corner Tahanto and School	1	1
Pine.	Southwest corner Pine and Centre	1	
"	Southwest corner Pine and Warren	1	2
Holt.	East side Holt, at Nason's	1	1
High.	Northwest corner High and Auburn	1	
"	East side High, opposite Forest	1	

FIRE-HYDRANTS—Continued.

STREETS.	LOCATIONS.	Number.	Total.
High.	Southwest corner High and Franklin.....	1	3
Giles.	Southeast corner Giles and School.....	1	1
Princeton.	Southwest corner Princeton and Clinton.....	1	
"	Northwest corner Princeton and Noyes.....	1	2
Fruit.	Northeast corner Fruit and Woodman.....	1	
"	East side Fruit, opposite W. W. Critchett's.....	1	
"	East side Fruit, opposite Kilburn's.....	1	3
Minot.	West side Minot, near Odd Fellows' Home.....	1	
"	West side Minot, near Odd Fellows' Home.....	1	
"	Northwest corner Minot and Pleasant.....	1	3
Penacook.	South side Penacook, near Concord Lumber Co.....	1	
"	South side Penacook, east of P. B. Co.'s bark house.....	1	
"	South side Penacook, near P. B. Co.'s.....	1	
"	South side Penacook, near P. B. Co.'s office.....	1	
"	Southeast corner Penacook and North Main.....	1	
"	Southwest corner Penacook and Rumford.....	1	
"	Southeast corner Penacook and Columbus avenue.....	1	7
Walker.	Southwest corner Walker and Martin.....	1	1
Albin.	North side Albin, near D. Weathers'.....	1	1
Highland.	Northeast corner Highland and Rumford.....	1	1
Church.	North side Church, opposite Lyndon.....	1	
"	Northeast corner Church and Rumford.....	1	2
Franklin.	Northwest corner Franklin and Jackson.....	1	
"	Northeast corner Franklin and Lyndon.....	1	
"	Southwest corner Franklin and Rumford.....	1	
"	South side Franklin, opposite W. J. Ahern's.....	1	
"	Northeast corner Franklin and Auburn.....	1	5
Beacon.	North side Beacon, opposite Merrimack School.....	1	
"	Northwest corner Beacon and Jackson.....	1	
"	South side Beacon, opposite Charles.....	1	3
Rowell.	Northeast corner Rowell and White.....	1	1
Blanchard.	Northwest corner Blanchard and Essex.....	1	1
Ferry.	North side Ferry, opposite Ford's foundry.....	1	
"	North side Ferry, near N. E. Granite Works.....	1	
"	North side Ferry, east of C. & M. R. R.....	1	
"	Northwest corner Ferry and Huntoon avenue.....	1	4
Washington.	North side Washington, opposite Rollins court.....	1	
"	Southwest corner Washington and Union.....	1	
"	Northeast corner Washington and Lyndon.....	1	
"	Northwest corner Washington and Rumford.....	1	
"	Northwest corner Washington and North Essex.....	1	
"	North side Washington, opposite Perry avenue.....	1	6
Chapel.	South side Chapel, near Methodist church.....	1	1
Valley.	Northeast corner Valley and Forest.....	1	1
Auburn.	Northeast corner Auburn and Forest.....	1	1
Centre.	Northeast corner Centre and North State.....	1	
"	Southwest corner Centre and Green.....	1	
"	Northwest corner Centre and Union.....	1	
"	Northwest corner Centre and North Spring.....	1	
"	Northwest corner Centre and Rumford.....	1	
"	South side Centre, opposite Essex.....	1	
"	Southwest corner Center and Summit avenue.....	1	
"	Northeast corner Centre and Ridge road.....	1	8
Bridge.	South side Bridge, near easterly barn.....	1	
"	North side Bridge, opposite Concord Coal Co.'s.....	1	
"	North side Bridge, opposite Concord Shoe Factory.....	1	3
Capitol.	Northeast corner Capitol and North State.....	1	1
School.	Northwest corner School and Green.....	1	
"	Northwest corner School and North Spring.....	1	
"	Northwest corner School and Rumford.....	1	
"	Northwest corner School and Merrimack.....	1	
"	North side School, opposite Holt.....	1	

FIRE-HYDRANTS—Continued.

STREETS.	LOCATIONS.	Number.	Total.
School.	North side School, opposite E. B. Woodworth's.....	1	6
Warren.	Southeast corner Warren and Fremont.....	1	
"	Northwest corner Warren and North Spring.....	1	
"	Northwest corner Warren and Rumford.....	1	
"	Southwest corner Warren and Merrimack.....	1	
"	Northwest corner Warren and Tahanto.....	1	
"	Northeast corner Warren and Liberty.....	1	
"	Northeast corner Warren and Giles.....	1	
"	Junction of Warren and Pleasant, near Fruit.....	1	8
Depot.	South side Depot, at north end of train shed.....	1	
"	Northwest corner Depot and Railroad Square.....	1	2
Orchard.	South side Orchard, opposite Sherburne's.....	1	1
Pleasant.	Northwest corner Pleasant and Railroad Square.....	1	
"	Southeast corner Pleasant and South.....	1	
"	Northeast corner Pleasant and Fremont.....	1	
"	Southwest corner Pleasant and Spring.....	1	
"	South side Pleasant, opposite Rumford.....	1	
"	South side Pleasant, opposite Merrimack.....	1	
"	South side Pleasant, opposite Pine.....	1	
"	South side Pleasant, opposite Liberty.....	1	
"	North side Pleasant, near city stable.....	1	
"	South side Pleasant, near Gale.....	1	
"	South side Pleasant, opposite Mrs. Aiken's.....	1	
"	South side Pleasant, near Mrs. Eddy's cottage.....	1	
"	North side Pleasant, near James Lane's.....	1	
"	North side Pleasant, near J. McC. Hammond's.....	1	
"	South side Pleasant, opposite Fiske Road.....	1	
"	Southwest corner Pleasant and School Avenue.....	1	
"	North side Pleasant, opposite infirmary.....	1	
"	South side Pleasant, in field near gasometer.....	1	
"	South side Pleasant, near new Upper School.....	1	19
Mill Road.	East side Mill Road, near laboratory.....	1	
St. P. School.	North side Mill Road, at Orphans' Home.....	1	2
Old Hopkint'n road.	Junction old and new Hopkinton roads.....	1	1
Marshall.	North side Marshall, opposite Fuller.....	1	1
Freight.	North side Freight, at southwest cor. passenger sta'n.....	1	1
Hill's Avenue.	Southwest corner Hill's Avenue and Railroad Square.....	1	
"	Northeast corner Hill's Avenue and South Main.....	1	2
Fayette.	Northwest corner Fayette and Elm.....	1	1
Thompson.	North side Thompson, opposite Jefferson.....	1	1
Chandler.	South side Chandler, opposite Railroad.....	1	1
Concord.	Southwest corner Concord and South State.....	1	
"	Northwest corner Concord and Jefferson.....	1	2
Monroe.	North side Monroe, opposite Grove.....	1	1
Thorndike.	Northeast corner Thorndike and Grove.....	1	
"	North side Thorndike, opposite Pierce.....	1	
"	Northeast corner Thorndike and South Spring.....	1	3
Laurel.	Northwest corner Laurel and Pierce.....	1	1
Perley.	Southwest corner Perley and South State.....	1	
"	Northwest corner Perley and Grove.....	1	
"	Northeast corner Perley and Pierce.....	1	
"	South side Perley, near old brook.....	1	4
Downing.	South side Downing, opposite Grove.....	1	
"	Southeast corner Downing and Mills.....	1	
"	Southwest corner Downing and Redwood Avenue.....	1	3
Clinton.	North side Clinton, opposite Harvard.....	1	
"	North side Clinton, opposite Avon.....	1	
"	Northeast corner Clinton and Fruit.....	1	
"	North side Clinton, near Snell's.....	1	
"	North side Clinton, at State Fair grounds.....	1	5
West.	North side West, near South Main.....	1	1

FIRE-HYDRANTS—Continued.

STREETS.	LOCATIONS.	Number.	Total.
West.	North side West, near Badger.....	1	
"	North side West, opposite Dakin.....	1	
"	North side West, intersection Broadway.....	1	4
Avon.	Northwest corner Avon and South.....	1	1
Harrison.	Northwest corner Harrison and Morton.....	1	1
Humphrey.	North side Humphrey, near Kimball.....	1	1
Allison.	Northwest corner Allison and Mills.....	1	1
Pillsbury.	North side Pillsbury, opposite Foster Ward.....	1	
"	Northeast corner Pillsbury and Broadway.....	1	
"	Northwest corner Pillsbury and Kimball.....	1	3
Carter.	Northeast corner Carter and Eastman.....	1	1
Holly.	North side Holly, opposite W. D. Thompson's house..	1	1
Rockingham.	Northeast corner Rockingham and Broadway.....	1	1
Prospect.	Northwest corner Prospect and Granite Avenue.....	1	1
Curtice Ave.	North side Curtice Avenue, near John C. Kenney's....	1	1
North State.	West side North State, at Water-Works storehouse....	1	
"	Northeast corner North State and Foster.....	1	
"	Northeast corner North State and Curtice Avenue....	1	
"	East side North State, near W. H. Perry's.....	1	
"	East side North State, near north entrance Blossom Hill Cemetery.....	1	
"	West side North State, near Calvary Cemetery.....	1	
"	East side North State, near A. L. Colburn's.....	1	
"	East side North State, near Thomas Fox's house.....	1	
"	West side North State, at south line of prison wall....	1	
"	West side North State, at north line of prison wall....	1	
"	East side North State, near Asa L. Gay's.....	1	
"	Northeast corner North State and Palm.....	1	
"	West side North State, near Concord Woodworking Co..	1	
"	East side North State, near C. H. Farnum's.....	1	
"	East side North State, near Cyrus R. Farnum's.....	1	
"	East side North State, near M. H. Farnum's.....	1	
"	East side North State, opposite Dolan.....	1	
"	East side North State, opposite John H. Flood's.....	1	
"	West side North State, opposite S. Abbott's.....	1	19
Palm.	North side of Palm, west of Fairbanks.....	1	1
WEST CONCORD.			
North State.	Southeast corner North State and K.....	1	
"	Northeast corner North State and Peabody.....	1	
"	East side North State, at George Partridge's.....	1	
"	East side North State, near engine house.....	1	
"	East side North State, opposite D. Holden's.....	1	
"	West side North State, near west mill.....	1	
"	East side North State, opposite Simeon Partridge's....	1	
"	East side North State, near Mr. Harrington's.....	1	
"	East side North State, opposite A. Hollis'.....	1	
"	East side North State, near Sewall's Falls Road.....	1	10
Electric.	Northeast corner of Electric and North State.....	1	
"	North side Electric, near power station.....	1	2
Clarke.	Northeast corner Clarke and Fisher.....	1	1
Lake.	East side Lake, near S. W. Kellom's.....	1	
"	East side Lake, near Mrs. G. E. Holden's.....	1	2
Knight.	South side Knight, opposite railroad station.....	1	1
Hutchins.	North side Hutchins, near B. T. Putney's.....	1	
"	North side Hutchins, near C. & C. Railroad.....	1	
Penacook Rd.	West side Penacook Road, near Warner Road.....	1	2

FIRE-HYDRANTS—*Concluded.*

STREETS.	LOCATIONS.	Number.	
		Number.	Total.
Main.	West side Main, near Mr. Currier's.....	1	
"	West side Main, at Woodlawn Cemetery.....	1	
"	West side Main, opposite Stark.....	1	
"	West side Main, near Prescott's.....	1	
"	Southwest corner Main and Union.....	1	
"	Washington Square, opposite Washington.....	1	
"	Northwest corner Main and Charles.....	1	
"	North side Main, opposite East Canal.....	1	
"	West side Main, near iron bridge.....	1	9
West Main.	West side West Main, opposite cemetery.....	1	1
High.	East side High, opposite Summit.....	1	
"	Northwest corner High and Maple.....	1	
"	Northwest corner High and Spring.....	1	3
Washington.	Southeast 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.	Southwest corner Charles and Warren.....	1	
"	North side Charles, near George W. Corey's.....	1	2
West Canal.	Southeast 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
Crescent.	North side Crescent, east of Canal.....	1	1
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	
"	South side Merrimack, opposite Symonds' factory.....	1	
"	North side Merrimack, near road to Island.....	1	
"	Northwest corner Merrimack and Penacook.....	1	7
Summer.	North side Summer, opposite High.....	1	
"	Northeast corner Summer and Centre.....	1	2
Spring.	Northeast corner Spring and Church.....	1	1
Winter.	North side Winter, near Pleasant.....	1	1
Centre.	Northwest corner Centre and Spring.....	1	1
Cross.	Southwest corner Cross and Summer.....	1	1
Rolfe.	North side Rolfe, near James Corbett's.....	1	
"	Northwest corner Rolfe and Penacook.....	1	2
Penacook.	West side Penacook, opposite A. W. Rolfe's.....	1	1
	Whole number public hydrants.....		339
PRIVATE HYDRANTS.			
	Concord Shoe Factory.....	1	
	Boston & Maine Railroad, upper yard.....	7	
	Boston & Maine Railroad, new shops.....	14	
	State prison.....	7	
	Abbot-Downing Co.'s yard.....	6	
	Page Belting Co.'s yard.....	10	
	W. P. Ford & Co.'s yard.....	1	
	N. H. State Hospital yard.....	9	
	Concord Gas Light Co.'s yard.....	1	
	St. Paul's School.....	1	
	Water-works pumping station grounds.....	1	
	Wm. B. Durgin Co.....	1	
	N. H. Spinning Mill.....	4	63
	Whole number private hydrants.....		63

REPORT OF CITY ENGINEER.

CITY ENGINEER'S OFFICE,
CONCORD, N. H., December 31, 1906.

To the City Council:

In compliance with the ordinance creating this department, the following report of the expenses and operations of the Engineering Department for the year ending December 31, 1906, is respectfully submitted:

Paid for engineer and assistants,	\$2,530.50
supplies,	91.16
car fares and livery,	97.50
postage,	2.75
repairs,	6.80
express,	2.05
	<hr/>
	\$2,730.76
Appropriation,	\$3,000.00
Expended,	2,730.76
	<hr/>
Unexpended balance,	\$269.24

SEWERS.

The conditions existing in several sections of the city call for attention from the city council, and an appropriation for beginning the work of enlarging the mains is sadly needed. It is hoped that some action will be taken the coming season, to enable this much-needed work to be properly started.

The many complaints from owners of flooded premises makes the necessity of radical changes more apparent each year.

The surface drain in North State Street is completed, and if catch-basins of sufficient capacity are constructed and connected with this drain, all troubles from surface water will be overcome.

One sewer granted by the board of mayor and aldermen was not laid, owing to a lack of funds.

The amounts spent on new work and repairs, the location of the work and the cost of flushing the sewers will be found on the accompanying pages.

STREETS.

Dakin Street was extended from Allison Street to Pillsbury Street.

The surfacing of a portion of North State Street with coal-tar concrete, called for an expenditure of sewer funds to the amount of \$83.63.

This amount was expended for raising and adjusting man-holes and lamp-holes to the new surface.

There was laid on this street, in the roadway, 9,318 square yards of coal-tar concrete.

Lines and grades for street and sidewalk work have been given when requested by other departments and by private parties.

WATER-WORKS.

A survey of Penacook Lake and the property fronting on the lake has been made, and a plan showing the same will be made during the winter, for the board of water commissioners.

BUILDING PERMITS.

The petitions for new buildings and for alterations to old ones, in the building and fire precinct, become more numerous each year. In company with the chief engineer of the fire department, I have attended forty-three hearings. We have granted forty-one petitions and denied two.

MISCELLANEOUS.

The work of the hydrant commissioners is shown in their report to the city council.

The location of poles, attendance upon various hearings, committee meetings, examinations of plumbers, surveys and plans in connection with the High School and the Manual Training School, the West Concord School, the old city shed lot and the cemeteries, together with the numerous demands for information from other departments and private citizens, have fully occupied our time and required many days' work outside of regular hours.

The employes during the past season have been: Fred W. Lang, principal assistant; Carl D. Kennedy and Clarence A. Little, rodmen, who have rendered efficient services in their respective positions.

To his honor the mayor and the members of the city council, I wish to express my appreciation for their support and co-operation, and to the heads of other departments, for many courtesies extended to this department.

CITY PRECINCT, NEW SEWERS.

CARTER STREET, EXTENSION OF SEWER.

148 feet of 10-inch Akron pipe laid.	
Paid for labor,	\$71.32
pipe,	48.04
cement,	2.25
trucking,	4.75
tools,	5.68
	<hr/>
	\$132.04
Average cost per foot, \$0.892 plus.	
Material excavated, sand.	

MCKINLEY STREET, EXTENSION OF SEWER.

202 feet of 15-inch Akron pipe laid.	
Paid for labor,	\$1,084.80
pipe,	37.08
cement,	13.50
trucking,	8.60
hardware,	.20
oil,	2.10
tools,	51.06
	<hr/>
	\$1,197.34
Pipe on hand,	109.08
	<hr/>
	\$1,306.42

Average cost per foot, \$6.467 plus.

Material excavated, loam, wet sand and clay.

NORTH STATE STREET DRAIN.

729 feet of 24-inch Akron pipe laid.	
200 feet of 18-inch Akron pipe laid.	
Paid for labor,	\$795.58
pipe,	26.48
brick,	34.00
cement,	44.40
castings,	37.93
wrought iron,	1.18
sand,	1.25
blacksmith,	5.30
oil,	3.75
trucking,	12.50
tools,	43.00
	<hr/>
	\$1,005.37
Pipe on hand, paid for in 1905,	995.13
	<hr/>
	\$2,000.50

Average cost per foot, \$2.153 plus.

Material excavated, gravel, sand and hardpan.

REPAIRS.

North State Street,	\$2.89
Franklin Street,	6.15
Abbott Street,	6.00
Summit Street,	.61
Jackson Street,	1.50
Ferry Street,	3.60
Downing Street,	.50
Stickney Field,	108.66
Academy Street,	8.40
Giles Street Extension,	1.00
Bowery Avenue,	3.05
South State Street,	.50
Rumford Street,	9.50
Warren Street,	7.33
North State Street, account of concreting,	83.63
Holly Street,	1.50
	<hr/>
	\$244.82
Expense of spring and fall flushings,	\$299.29
Paid for new work,	2,334.75
Paid for repairs,	244.82
Paid for repairs on hoister,	.76
Moving to new shed,	6.00
	<hr/>
	\$2,885.62
Precinct funds available, 1906,	\$2,886.81
Expended, 1906,	2,885.62
	<hr/>
Balance on hand,	\$1.19

SEWERS BUILT IN 1906.

10-inch pipe,	148 feet.
15-inch pipe,	202 feet.
18-inch pipe,	200 feet.
24-inch pipe,	729 feet.
	<hr/>
Total,	1,279 feet.

SEWERS BUILT IN CITY PRECINCT TO DECEMBER 31, 1906.

6-inch pipe,	1,084	feet.
8-inch pipe,	25,003	feet.
10-inch pipe,	49,237	feet.
12-inch pipe,	39,222	feet.
15-inch pipe,	11,310	feet.
18-inch pipe,	6,404	feet.
20-inch pipe,	4,549	feet.
24-inch pipe,	3,370	feet.
30-inch pipe,	969	feet.
Brick, 12-inch x 14-inch,	2,758	feet.
16-inch x 24-inch,	1,848	feet.
14-inch x 22-inch,	350	feet.
20-inch x 32-inch,	2,527	feet.
24-inch x 36-inch,	17,937	feet.
28-inch x 48-inch,	883	feet.
24-inch circular,	1,515.5	feet.
30-inch circular,	402	feet.
38-inch circular,	4,080	feet.
24-inch cast-iron pipe,	1,576	feet.
30-inch cast-iron pipe,	1,054.5	feet.
	<hr/>	
	176,079	feet.

Total miles in city precinct to date, 33.348 plus.

WEST CONCORD SEWER PRECINCT.

No additional sewers were laid in this precinct, and no extensions were made. Spring and fall flushing was done as usual.

The expense attending this work is as follows:

Spring and fall flushing,	\$17.66
Repairs,	43.55
	<hr/>
Total expenditure,	\$61.21
Unexpended balance January 1, 1906,	\$71.56
Expended 1906,	61.21
	<hr/>
Balance January 1, 1907,	\$10.35

EAST CONCORD SEWER PRECINCT.

No work was done in this precinct during the past season.

The funds available January 1, 1907, are \$132.40.

ST. PAUL'S SCHOOL SEWERAGE PRECINCT.

The annual charge for water service in the flush tanks cover the expense of this precinct.

Paid water department,	\$45.00
Funds available January 1, 1906,	\$70.64
Expended 1906,	45.00
	<hr/>
Balance January 1, 1907,	\$25.64

There has been deposited with the city treasurer, to the credit of the city sewer precinct, the following sums:

Rent of pumps,	\$7.34
Rent of hoister,	255.00
	<hr/>
	\$262.34

SIDEWALK GRADES ESTABLISHED.

Northerly side of School Street, from High Street 300 feet westerly.

Easterly side of Auburn Street, from High Street northerly to Saint John Street (so called).

Respectfully submitted,

W. B. HOWE,
City Engineer.

BOARD OF EXAMINERS OF PLUMBERS.

CONCORD, N. H., December 31, 1906.

To the City Council:

The seventh annual report of the Board of Examiners of Plumbers is herewith submitted for your consideration.

The membership of the board is made up as follows: Henry P. Cilley, a practical plumber, Russell Wilkins, M. D., and Will B. Howe, city engineer.

The board organized with Henry P. Cilley, chairman, and Will B. Howe, clerk.

Twelve regular meetings and five special meetings were held during the year. We have examined two candidates for master plumbers' licenses, and issued a license to them. We have examined three for journeyman's licenses, and issued licenses to two of them, the third failing to meet the requirements of the board; making a total of five applicants examined. The receipts of the board were \$24, for which amount the clerk holds receipts of the city treasurer.

The expenses of the board for materials purchased for the practical work were \$7.62.

The following is a list of all the registered plumbers, whose licenses or certificates were renewed in 1906, in the order in which they appear on the register.

MASTER PLUMBERS.

W. Arthur Bean, certificate renewed.

Seth R. Hood, certificate renewed.

Willis H. Robbins, certificate renewed.

William A. Lee, certificate renewed.
 Benjamin H. Orr, certificate renewed.
 Richard J. Lee, certificate renewed.
 George A. Harwood, certificate renewed.
 Michael J. Lee, certificate renewed.
 Albert S. Trask, certificate renewed.
 Frederick Booth, certificate renewed.
 G. Arthur Nichols, license renewed.
 Charles W. Bateman, license renewed.
 Burton A. Curtis, license renewed.
 W. M. Trottier, license renewed.
 Albert L. Worthen, license renewed.
 John C. Smith, license renewed.
 P. Wallace Orr, license renewed.
 Elmer E. Babb, license issued March 2, 1906.
 Timothy Kenna, license renewed.
 Joseph A. Ralph, license issued May 22, 1906.

EMPLOYING PLUMBERS.

George S. Milton, certificate renewed.
 M. E. Clifford & Co., certificate renewed.

JOURNEYMAN PLUMBERS.

Charles H. Berry, certificate renewed.
 Henry P. Cilley, certificate renewed.
 Philip King, certificate renewed.
 William L. Reagan, certificate renewed.
 William H. McGuire, certificate renewed.
 Harry H. Kennedy, certificate renewed.
 P. Harrison D. Leary, certificate renewed.
 Patrick A. Clifford, certificate renewed.
 George N. Berry, certificate renewed.
 Frederick F. Converse, license renewed.
 Arthur W. Buntin, license renewed.
 Michael J. Finn, license renewed.
 Thomas Mathews, license renewed.

Thomas F. Foley, license renewed.
 Harris S. Parmenter, license renewed.
 Frank D. Brown, license renewed.
 Timothy W. Quinn, license renewed.
 Jonas Denby, license issued August 15, 1906.
 Manley W. Morgan, license issued October 9, 1906.

Master plumbers' certificates issued,	10
Master plumbers' licenses issued,	10
Employing plumbers' certificates issued,	2
Journeyman plumbers' certificates issued,	9
Journeyman plumbers' licenses issued,	10
	—
Total number on register to date,	41

Respectfully submitted,

H. P. CILLEY,
 RUSSELL WILKINS, M. D.,
 WILL B. HOWE,

Board of Examiners of Plumbers.

BOARD OF HYDRANT COMMISSIONERS.

CONCORD, N. H., December 31, 1906.

To the City Council:

An ordinance creating a Board of Hydrant Commissioners was passed on December 11, 1905, and on January 1, 1906, the first meeting was held.

At this meeting it was unanimously voted to recommend setting hydrants in locations specified herein, and a letter embodying these locations was sent to the Hon. Solon A. Carter, President of the Water Board.

1. Chapel Street, near North State Street.
2. Concord Street, near South State Street.
3. North Spring Street, opposite Maple Street.
4. Downing Street, opposite Grove Street.
5. Downing Street, west of and near Redwood Avenue.
6. Concord Street, 100 feet east of South Street.
7. Rumford Street, near Walker Street.
8. Bradley Street, at Franklin Street.
9. Jackson Street, just north of Church Street.
10. Holt Street, midway between Warren and School Streets.
11. Clinton Street, 100 feet east of Harvard Street.
12. Humphrey Street, 50 feet east of South Street.
13. South Street, between Pillsbury and Carter Streets.
14. Stone Street, 300 feet east from Bow Street.
15. Rockingham Street, west of and near Donovan Street, for a blow-off.
16. Pillsbury Street, 50 feet west of Kimball Street.
17. Ferry Street, 3 hydrants, when high service mains should be extended into Ferry Street. During the summer this pipe was laid and the hydrants were located and set.

The hydrants above mentioned were installed, excepting, the one on North Spring Street opposite Maple Street, which will be set during the coming season, when the Spring Street main will be relaid with larger pipe; Concord Street, 100 feet east of South Street; South Street, between Pillsbury and Carter Streets, which location was abandoned later in the season; Stone Street, 300 feet east of Bow Street; Rockingham Street, west of and near Donovan Street.

On May 5, 1906, a meeting was held to consider the request of Wm. Parkinson for fire protection on the Fisherville road near the West Concord Cemetery. No recommendations were made at that time, but the location of branches was to be looked up and investigations made as to the methods that could be devised and expense incurred, to furnish Penacook with suitable protection, during the time required for any proposed installation of hydrants on that line. Some investigations along this line have been made, and during the coming season the board will communicate with the Water Commissioners on this subject.

The location of the hydrant which was set on the easterly side of North State Street, in the rear of the state house, was changed to a point nearer Park Street.

A new hydrant was set in Washington Street near Rollins Street.

The hydrant at the junction of North State and Warren Streets was changed from the north-westerly to the south-easterly corner.

A new hydrant was set in Penacook Street near the sheds of the Concord Lumber Co.

A new hydrant was set on Fruit Street near the Blanchard place; one on Franklin Street at Lyndon Street and one at Rumford and Albin Streets, instead of one at Walker and Rumford.

Respectfully submitted,

W. B. HOWE,

W. C. GREEN,

Board of Hydrant Commissioners.

PUBLIC LIBRARY.

REPORT OF THE TRUSTEES.

To the City Council of the City of Concord:

The trustees of the Public Library submit herewith the report of the librarian for the past year. In connection with her former reports it shows clearly the work that is being done in this department, which for obvious reasons does not materially differ from what has been accomplished for several years. But notwithstanding the restricted quarters of the library and its inadequate facilities for the work it is intended to do, it is a remarkable as well as gratifying fact that each year finds it extending its influence of usefulness in the community. It is more than "holding its own." It is not standing still, though seriously hampered. It is not merely "beating time."

Little more than a generation ago, a public library was deemed to be principally useful as a place for the storage of books, which upon rare occasions might be consulted. A few hundred volumes of standard works, inconveniently catalogued, in the care of a custodian called a librarian, whose duties were not unlike those of a watchman, seemed to fulfil the mission of a public library. Comparatively few people ventured within its walls, while many were ignorant of its existence. It was not an intellectual force of much vigor and was principally useful to the scholar and the confirmed bookworm. To the great majority, it was of little, if any, importance. Subsequently, it received the additional credit of affording amusement and some instruction to children and novel-readers, and its use was thereby enlarged. It acquired a larger class of patrons

than before. But its true mission, as well as the essential function of the librarian, has not been adequately appreciated by the public, and probably it will not be until people in all fields of activity resort to it, not for recreation merely, but for information in matters relating to their various vocations. The scope of its true usefulness will then be immensely enlarged. It requires no argument to show that all engaged in industrial pursuits may learn much of practical utility to them individually, by regarding the books in the library as most useful tools to be used under the direction of the librarian, whose most important function it is to guide and direct readers to the books they specially need. The old idea that the reader must tell the librarian what book he wants has been largely modified by the more rational idea that the librarian must be qualified to tell the reader what book he needs. Co-operation in this respect is essential to the best results.

The fact that the library and the librarian and her assistants furnish the means for the acquisition of useful information upon most subjects affecting the daily life of the people, ought to draw to the library hundreds of our citizens, who are not now its patrons. It is believed that this delinquency is due principally to an erroneous and antiquated view of the purpose of a library, or to a lack of information as to the method of using it. Let it be generally known that the library is for practical uses by practical people, as well as for recreation and amusement or theoretical information by school children and students, and its true importance will be more fully appreciated, and a niggardly policy of raising money for its support will become less popular. The demands of the library will receive more adequate recognition, when the inhabitants of the city become better acquainted with the work which it is attempting to do, and which, with proper facilities, it can successfully accomplish. It is, therefore, the desire of the trustees, as well as of the librarian, that that large class of our citizens who do not now use the library should

become acquainted with the advantages it affords for practical information upon almost every subject, believing that they would soon become its most ardent patrons. It would then be recognized as a most useful aid, not merely to a small minority, but to the great majority, and be in fact, as well as in name, a public library.

REUBEN E. WALKER,
President, Board of Trustees.

REPORT OF THE LIBRARIAN FOR 1906.

To the Board of Trustees of the Concord Public Library:

GENTLEMEN: 1906, at our library, has been much, too much, like its predecessors in opportunities and results. "Marking time," which Mayor Corning two years ago said in his inaugural was all this library could do in its present quarters, is not enjoyable in the doing or thrilling in the relation. In previous reports, I have detailed the library's work and aims, and urged its needs. I will, therefore, now occupy less time than usual at this annual meeting, in order to leave more time for your inspection and discussion.

The circulation of books has increased in the past twelve months; 90,939 volumes were given out at the desk. That is a proud record for a city of not quite 20,000 inhabitants. It is only the third time the library has touched this high-water mark in a dozen years. This increase in the number of books given out for home reading comes, we think, from our work at deposit and delivery stations, particularly that done at Penacook, of which further mention will be made later on.

It may be of interest to you to compare the force caring for this library's business with the staff of another library. Here, there are, besides the librarian, three regular assistants; also two boys and one girl, each of whom works several hours a week. In a middle state library, where the circulation was 106,000, the staff consists of a librarian, assistant librarian, seven assistants on full time, three assistants on half-time, two substitutes and one story-teller.

It may be well to make another illuminating comparison, bearing in mind the figures of our circulation, 90,939, and

the sum at our disposal, \$5,427. The public library in a New York city did a desk business of 92,369 volumes. It sent in an itemized estimate for the next year's work, which called for \$9,900.

Our appropriation would not have been sufficient the past year had it not been that the trustees secured the favor from the city government of an extra \$400, to cover the cost of the new and larger boiler rendered necessary by the burning out of the old one in our furnace.

Though we handled during the year so many thousand volumes, and though they went by every method of transportation to every conceivable kind of a home, out of 91,000 volumes circulated only five were lost. Another library's report says they are indebted to the local police for assistance in securing the return of books overdue. Here the librarian hunts them up herself, knowing she will upturn the very last stone to find one. It is a comfort, however, to feel that back of her lies the police force, whose help she can invoke when necessary. Indebtedness is felt toward the teamsters and janitors, who kindly bring in books left by children on their sleds or in the buildings under their care. It is entertaining to note that in 1869, when this library loaned out only 20,000 volumes, 58 were lost, and in the report of that year the loss is considered "very small, considering the circulation."

The Concord public has read during 1906, for recreation and for instruction, in about the same proportion as formerly. Fiction leads by a hopeless majority, and always will; and our 70 or more per cent. annually charged to stories is not caused altogether by that *serious* study of fiction advocated by Professor Phelps of Yale. We try, however, to purchase fiction worth reading for one reason or another, *i. e.*, for plot, style or timeliness, as we agree with the Somerville librarian, who says, "The most confirmed novel readers will read good novels when they can not get bad ones; and here is the opportunity of the public library." We buy fiction to a degree which would be

thought reprehensible by some library boards; to such let Mrs. Margaret Deland give the paper she gave here on "The Value of the Novel."

Turning from the subject of the quantity and quality of our circulation to that of acquisitions, they are to be stated as follows:

Volumes added,	1,100
New works,	678
From bindery, chiefly magazines,	132
Duplicates,	66
Replacements of discarded volumes,	224
Worn out,	302
(Many of these volumes are given to the asylum and the jail.)	
Net gain to our shelves,	798
Total number of volumes now in library,	28,628

Anyone inspecting the accession book, in which are listed all our purchases, should bear two things in mind. First, books are 20 per cent. higher than formerly; hence we must buy fewer. Secondly, the State Library and the New Hampshire Historical Society in town buy along certain lines, with which we conflict least if we confine ourselves to acquiring the more popular and generally educational works that will extend the use of the library to greater numbers of people and particularly to the younger persons.

We have received gifts from Government, from state and city organizations, from committees of publication, from manufacturing houses and from Mrs. Armenia S. White, Mrs. Frank H. Blanchard, Mrs. Edwin W. Plummer, Joseph B. Walker, Henry McFarland, William M. Chase, Samuel C. Eastman, Frank W. Rollins, Dr. A. F. Sumner, Eastman & Merrill, all of Concord; Miss Mary Eaton, Albert E. Pillsbury, Roy M. Grover, Boston; Rossiter Johnson, New York; Nathan Goold, Portland; Mrs. Alice Peloubet Norton,

Chicago. We wish to acknowledge the kindness of those local societies, hospitals, churches, etc., which place their periodicals on our reading table or bring us their year-books to put on file.

Fewer new borrowers were registered in 1906 than in 1905, but that does not mean that we had fewer new customers. We made out application blanks for 675 persons, but we also charged by name and street address scores of books to newcomers, who wanted only one special work and would have heartily agreed with us that the registration process was, in their case, unnecessary red tape.

We must expect, however, that as we send more and more books to school-rooms, fewer boys and girls will have sufficient leisure or book-hunger to come to the library for enrollment among its borrowers.

As usual, the lectures in the free Walker courses have stimulated reading on certain subjects. A run on our Shakesperian material was caused by Professor Griggs' course on the immortal plays. Every year these Walker lectures are "roads to books." Art and science departments, current events clubs, etc., annually give us winter work. The supplementary reading required of pupils gives us another valued clientele. Mr. L. J. Rundlett, school superintendent, is desirous of making this public library increasingly useful, and through him there might be arranged a systematic way of sending reading to school-rooms or of giving talks to pupils on books and the use of the library. At present we are not so much aggressive as responsive in this line of our work. Indeed, we feel there is truth in the statement that school deposits encourage the reading habit, but are injurious in that they make it easy for the pupils to avoid going to a library.

Our summer branch has now passed in successive years from West Concord, to East Concord, to Fosterville, to Penacook. After tending each of these four stations, the librarian realizes the truth of the saying that no two chil-

dren are alike; for each branch has had distinct characteristics.

Each summer arrangement has resolved itself into a permanent delivery station.

At East Concord, Mrs. Grace Farnum still cares at her house for the boxes of books we send over from time to time. She never fails to enclose an acknowledgment when returning a box, such as: "We shall be very glad of another lot. One young lady remarked, 'I don't know what I shall do without those books for even a few days.' I think we all feel that way."

The West Concord delivery station is still in the good care of Mrs. Sara Quimby.

The summer branch, which is always my immediate charge, was located this year in Penacook, from June to December. Half a plumber's store was rented, and about 500 volumes taken up, together with our summer room paraphernalia, consisting of chairs, tables, pictures, etc. We were in attendance to give out books on Tuesday and Friday afternoons, but borrowers could return books at any time.

Penacook people were cordial and appreciative after they learned that the sole object of the six-months' scheme was their own enjoyment. Between 60 and 80 books were charged out each afternoon. The branch prevented some juvenile street loafing, and afforded opportunity to ladies to secure, in good season, material for coming papers at their clubs. When it was time for this summer branch to be discontinued, an arrangement was made so that now twice a week books are sent to Penacook, those books going up which have been selected from call-numbers on borrowers' cards that have come down to us the preceding week from this ward. At present Mr. George H. Whitman has, at his store, the care of handling the books and of repacking the boxes, which then are transported by Cunningham's express. If found desirable, an increasing reserve supply of library books will be kept at Mr. Whitman's,

to be charged out by him to any resident who has not had a book come up in our box.

In our humble way, we have taken to heart and are trying to put into practice what a Missouri librarian said: "Branches are necessary to realize the possibilities of a public library system. It should be, not the St. Louis Public Library, but the St. Louis Public *Libraries*, just as it is the St. Louis Public *Schools*."

All cities find that at delivery stations the main feature is circulation of general reading matter, especially for women and children; men fail to get the pleasure or profit they might easily derive by merely sending in requests for books by a favorite author, or for works which would help them in their vocations.

This regrettable state of things is true at a main library, to a lesser degree. Every year I read thoughtfully about 75 reports from other libraries, and it is curious to note how the same problem seems to arise at the same time all over the country. Apparently, just now the unsolved problem of public library administration is how to interest masses of adults, to place one book in every home, to ascertain why there are lapsed cards, to draw men to the library. It is evident the public library has a campaign to wage.

One gets some light on such problems by attendance at national library meetings, and I went to the 1906 Conference of the American Library Association, held at Narragansett Pier, where the 1,000 librarians convened were stimulated by salt air, as well as by fresh ideas.

The fad-and-hobby stage in library development seems to be over; for instance, a large circulation is no longer considered the test of a library's usefulness; work with children is not dwelt upon as more vital than work for adults; exhibits and other extension work have become a matter of course and regarded as entirely legitimate within limits. Also when extensive work cannot be taken up by a library because of hampering conditions, intensive work

is considered a praiseworthy alternative. In short, a modern librarian, steadied by professional reading, comparisons and experience, takes her stand not upon the plea that her library shall be ahead of the times, but that it shall not be behind the times.

It would seem as if this library had reached the point of urging only unquestioned benefits. When a gentle-spoken and studious lady says to us, "It was dreadfully crowded upstairs; I had to take the book home to read, as there was not a chair left in the reference room," it would seem as if enlarged quarters were wanted by the public as well as by the library staff.

When a book is received, as it was, bearing this inscription, "For the Children's Room of the Public Library of Concord, N. H., with the Christmas good wishes of the author," it would seem that a literary person takes it for granted that the city library in a place of Concord's size and reputation has modern adjuncts.

When the former cataloguer at our State Library, now himself a Massachusetts librarian, writes in acknowledgment of our last annual report, "You certainly need a larger building. We have twice the reading room you do, and yet we think we are crowded and are talking of an addition," it would seem as if this Concord library was claiming only its dues.

During the year, a carpenter has made bookcases for every place where he saw room to put one, and they are all occupied. We have culled and can still further cull old or duplicate books and put them in the basement, until the small space remaining there shall become filled. But when the 800 volumes we shall add in 1907 are under this roof, many of them will go on shelves so high above our reach that the customer must wait while the assistant drags a chair and steps up on it to secure the lofty literature.

A minor note has inevitably crept into this report, because I have just listened to our cultivated Mayor's third inaugural, in which he discountenanced any outlay at pres-

ent for library enlargements. My faithful assistants also would rejoice in additional opportunities for the library, even if such entailed more work. Perhaps the major key can be regained by saying that library work, no matter under what limitations it is done, or with what physical weariness, is always interesting.

To this Board, who cannot feel indifference for the institution under their charge, I respectfully submit this report, with the hope that soon they and the other powers that be will be putting through measures for the relief of the congestion of this city department, and that the proposition, as taken up, will *not* read, "What is the *least* thing we can do for the public library?"

Thanking all my Trustees for their constant consideration and courtesy, and many of them for help readily given the past year in regard to improvements at the library or to needs at the branches,

GRACE BLANCHARD,
Librarian.

HEALTH DEPARTMENT.

REPORT OF SANITARY OFFICER.

To His Honor the Mayor, the City Government and the Board of Health:

GENTLEMEN: The Sanitary Officer herewith submits the annual report of the Health Department for the year ending December 31, 1906.

The city maintained its usual good sanitary condition throughout the year. Inspections were made of all premises complained of, and the stables and alleyways in the business portion of the city.

MORTALITY.

The total number of deaths from all causes during the year was 424, 22 more than in 1905. Based upon an estimated population of 20,000, this gives a death rate of 15, compared with 12.7 in 1905. Heart disease in various forms caused the greatest number of deaths, 44 being the recorded number. Dementia occupied second place, with 40 deaths; nearly all these deaths were at the New Hampshire State Hospital. Tuberculosis and pneumonia followed, with 25 deaths each. The vital statistics for the year are tabulated and made a part of this report.

Transfer permits to the number of 143 were granted for the removal of dead bodies to other towns and cities for interment; 95 bodies were brought to this city from other places, to be interred.

CONTAGIOUS DISEASES.

During the year there were 175 cases of contagious diseases reported to this department, with six deaths, compared with 299 cases with five deaths, in 1905.

There were 27 cases of scarlet fever, with no deaths. A number of the cases were very mild, and others more severe. During the last three months of the year, there were several cases whose origin could not be determined. It is probable that children having a mild type of the disease, and not knowing its true nature, were allowed to attend school and other public places, thereby transmitting it to others.

There were 14 cases of diphtheria, with two deaths. Nine of these cases were in Ward 1, and as there were a number of cases in Boscawen the latter part of the year, we were fortunate in not having more.

There were 32 cases of typhoid fever, with three deaths. This is the largest number of cases ever reported to this office in one year, and they were widely scattered over the city. Several of the cases trace their origin to sources outside the city.

A slight epidemic of measles in Ward 8 made the total of 101 cases, with one death.

One case of smallpox occurred in June. The patient was a non-resident who had been exposed to the disease in Canada. As soon as the disease was recognized, he was removed to the Detention Hospital, where he remained 21 days, when he was pronounced entirely recovered, and was discharged. The expense of handling this case was \$206.60.

FUMIGATION.

Formaldehyde was used as a disinfectant through the year, with good results. The total cost for fumigation supplies was \$66.83. Your attention is called to the amount of fumigating done, in the table, Summary.

PLUMBING.

There were not as many plumbing permits issued as in former years, though nearly as many new fixtures were installed. A number of peppermint tests were made of

the plumbing in old buildings to ascertain if it was in good sanitary condition. There were 60 sewers constructed.

EXPENDITURES.

The expenditures of this department for the year 1906 were more than for the year 1905, owing to the fact that more aid was required by persons having contagious diseases, and a case of smallpox also added to the expenses. The total expense for milk inspection was \$383.39, which was paid out of the appropriation for the Health Department.

Expenditures of the Health Department of the City of Concord, N. H., for the year ending December 31, 1906:

SALARIES.

Charles E. Palmer, health officer,	\$1,200.00
George A. Berry, member board of health,	25.00
Russell Wilkins, M. D., member board of health,	25.00
Chancey Adams, M. D., member board of health,	25.00

FUMIGATION SUPPLIES.

George A. Berry & Co., formaldehyde, permanganate, etc.,	63.08
C. Pelissier & Co., satchel,	3.75

INCIDENTAL EXPENSES.

Helen O. Monier, clerk, services,	278.68
Russell Wilkins, M. D., supplying for health officer,	50.00
Russell Wilkins, M. D., professional services,	7.50
Chancey Adams, M. D., professional services,	82.50
Charles H. Cook, M. D., professional services,	196.75
Charles E. Palmer, postage,	15.75
Rumford Printing Co., mortuary reports,	19.50
Rumford Printing Co., contagious disease book,	7.50
Ira C. Evans Co., printing,	28.75
Edson C. Eastman, office supplies,	1.82
G. F. Nichols, medical dictionary,	2.50

Library Bureau, vaccination cards,	\$6.63
New England Tel. & Tel. Co., rental and tolls,	24.80
A. H. Britton & Co., supplies,	1.00
George A. Berry & Co., antitoxin,	26.50
Margaret Pillsbury Hospital, care of Ethel Beer, diphtheria,	15.00
Margaret Pillsbury Hospital, care of Abbie Wilcox, scarlet fever,	87.86
Margaret Pillsbury Hospital, care of Thomas Fagan, scarlet fever,	19.29
Fred Churette, attendance on smallpox patient,	36.00
Charles E. Palmer, cash paid out, smallpox case,	10.00
A. P. Baker, supplies, smallpox case,	22.29
C. H. Dudley, supplies, smallpox case,	2.89
George A. Berry & Co., supplies, smallpox case,	6.75
A. H. Knowlton & Co., supplies, smallpox case,	5.42
M. E. Prescott, labor on pump, Detention Hospital,	7.50
E. J. Ormsbee, boarding Gilpatrick family,	10.00
Mrs. Mabel Rolfe, care of Mrs. Foley, diphtheria,	26.00
Mrs. Mabel Rolfe, care of Mrs. C. G. Davis, diphtheria,	18.00
Mrs. Bell Bean, care of W. J. McMullen, diphtheria,	15.70
W. W. Allen Co., supplies furnished Foley family,	2.63
E. L. Davis, burying dog,	1.00

MILK INSPECTION.

Russell Wilkins, M. D., milk inspector,	268.40
Edgar H. Calvert, collecting milk,	101.84
Ira C. Evans Co., printing tags, etc.,	7.75
George A. Berry & Co., supplies,	3.80
Eimer & Amend, supplies,	1.60

Total,	<u>\$2,761.73</u>
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CONTAGIOUS DISEASES.

The following table shows the number of contagious diseases reported during each month of the year and the deaths resulting therefrom:

MONTHS.	Diphtheria.		Scarlet fever.		Typhoid fever.		Small-pox.		Measles.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
January	1	1	2	.....	3	1	.....	.....	5	.....
February	1	.....	5	.....	.....	.....	.....	.....	10	.....
March .....	.....	.....	1	.....	.....	.....	.....	.....	31	.....
April.....	1	.....	5	.....	1	.....	.....	.....	16	.....
May.....	1	.....	1	.....	.....	.....	.....	.....	25	.....
June .....	.....	.....	1	.....	.....	.....	1	.....	12	1
July	1	.....	.....	.....	5	.....	.....	.....	.....	.....
August .....	.....	.....	.....	.....	8	1	.....	.....	1	.....
September.....	3	.....	2	.....	5	1	.....	.....	.....	.....
October.....	.....	.....	2	.....	5	.....	.....	.....	1	.....
November.....	4	1	6	.....	2	.....	.....	.....	.....	.....
December	2	.....	2	.....	3	.....	.....	.....	.....	.....
Totals	14	2	27	.....	32	3	1	.....	101	1

RECORD OF CONTAGIOUS DISEASES BY WARDS.

WARDS	1	2	3	4	5	6	7	8	9	Totals.
Diphtheria.....	9	.....	.....	.....	1	1	2	1	.....	14
Scarlet fever.....	.....	2	1	10	1	3	5	.....	5	27
Typhoid fever..	2	1	.....	7	5	5	7	3	2	32
Smallpox .....	.....	.....	.....	.....	.....	.....	1	.....	.....	1
Measles	1	.....	1	12	9	10	26	39	3	101

COMPARATIVE TABLE.

The following table contains the number of cases of contagious diseases and the deaths resulting therefrom, for the years since and including 1890:

YEARS.	Diph-theria.		Scarlet fever.		Typhoid fever.		Measles.		Small-pox.		Totals.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
1890.....	6	2	9	.....	17	5	6	.....	.....	.....	38	7
1891.....	12	3	7	.....	14	6	2	.....	.....	.....	35	9
1892.....	13	3	37	3	7	1	2	.....	.....	.....	59	7
1893.....	48	.....	41	.....	13	.....	300	.....	.....	.....	402	.....
1894.....	17	3	113	6	13	3	21	.....	.....	.....	164	12
1895.....	55	8	4	.....	15	5	452	.....	.....	.....	526	13
1896.....	38	8	44	8	21	3	158	.....	.....	.....	261	19
1897.....	13	1	22	1	17	2	138	.....	.....	.....	190	4
1898.....	4	.....	8	.....	8	4	120	.....	.....	.....	146	4
1899.....	9	5	99	1	14	1	299	.....	.....	.....	421	7
1900.....	29	5	39	.....	18	1	476	1	.....	.....	562	.....
1901.....	65	4	11	.....	13	3	40	.....	1	1	130	8
1902.....	29	2	6	.....	23	3	27	.....	2	.....	87	5
1903.....	42	4	39	.....	17	3	582	4	2	.....	682	11
1904.....	55	3	18	.....	12	1	31	.....	.....	.....	116	4
1905.....	15	1	80	.....	23	3	181	1	.....	.....	299	5
1906.....	14	2	27	.....	32	3	101	1	1	.....	175	6

NUISANCES, COMPLAINTS AND INSPECTIONS.

A statement of the number and character of the nuisances which have been abated by this department during the year appears below:

Catch-basins not trapped,	8
Dead animals,	47

Decayed fruit,	1
Decayed meat and fish,	4
Defect in house sewers,	3
Defective plumbing,	11
Dropping manure in street,	2
Dumping rubbish,	16
Filthy alleyways,	1
Filthy cellars,	2
Filthy premises,	6
Filthy swill-barrels,	7
Filthy watering-troughs,	1
Filthy yards,	10
Keeping hens,	8
Keeping hogs,	9
Odor from gas in houses,	2
Offensive manure heaps,	2
Offensive odor from stables,	5
Offensive odor in houses,	16
Offensive privy vaults,	13
Offensive sewage,	2
Pediculosis,	1
Plumbers doing work without license,	2
Scabies,	1
Sewage backed into cellars,	5
Sewer-traps broken,	1
Sink-drains obstructed,	2
Sinks found without traps,	2
Sinks with imperfect drainage,	3
Spitting in halls,	2
Stagnant water,	1
Suspected contagious diseases,	7
Throwing ashes in street,	1
Throwing out slops,	4
Throwing swill in yards and alleyways,	5
Water-closets foul and offensive,	7
Water-closets not ventilated,	2
Water-closets out of repair,	10

Water-closets without water supply,	2
Water in cellars,	4
Well water questionable,	2
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Total,	240

INSPECTION OF PLUMBING.

The number of inspections will be found in the table herewith annexed:

Plumbing permits granted,	124
Water-closets put in,	251
Sinks put in,	106
Bath-tubs put in,	88
Wash-bowls put in,	117
Wash-trays put in,	35
Urinals put in,	17
Drinking fountains put in,	3
Ranges put in,	2
Shower baths put in,	5
Slop sinks put in,	3
Number sewers,	60
	<hr/>
Total number inspections of plumbing,	275

SUMMARY.

Houses placarded in cases of contagious diseases,	94
Placards removed,	94
Visits made to contagious diseases,	436
Rooms fumigated,	361
School-rooms fumigated,	6
Wards at hospitals fumigated,	11
Stables fumigated,	4
Cars fumigated,	2
Hacks fumigated,	2
Fire towers fumigated,	1
Watering-troughs fumigated,	1

HEALTH DEPARTMENT.	345
Books and pieces of clothing fumigated,	279
Pieces of bedding and clothing burned,	28
Burial permits issued,	424
Burial permits issued to non-residents,	95
Transfer permits issued,	143
Garbage licenses issued,	46
Number of reports of contagious diseases sent to state board of health,	52
Number of mortuary reports sent in exchange to other cities,	1,044
Number of vaccination certificates issued for children to attend school,	772
Number of permits issued for children to return to school,	58
Number of samples of water collected for analy- sis,	12

In closing this report, I wish to acknowledge the courtesies extended this department during the year by his honor the mayor, the members of the city government, the board of health, and the various city officials.

Respectfully submitted,

CHARLES E. PALMER,
Sanitary Officer.

DEATHS DURING 1906, BY SEX, CONDITION AND
NATIVITY, BY MONTHS.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Totals.
SEX.													
Males	15	8	20	19	16	12	16	29	24	23	19	27	228
Females	21	20	22	11	20	12	13	14	18	12	15	18	196
CONDITION.													
Married	11	9	14	11	10	7	6	17	14	15	15	16	145
Single	16	10	14	14	14	9	15	17	20	11	14	15	169
Widowed	9	8	13	4	12	7	6	7	7	9	4	14	100
Divorced	1	1	1	.....	.....	.....	2	.....	.....	.....	1	.....	6
Not stated .....	.....	.....	.....	.....	.....	1	.....	2	1	.....	.....	.....	4
NATIVITY.													
Concord	12	11	12	14	8	9	12	18	17	12	12	13	150
New Hampshire.....	16	8	12	9	10	6	8	10	14	9	9	12	123
Other states	2	6	6	3	7	3	3	5	7	5	6	8	61
Foreign	6	2	8	3	9	4	6	6	4	6	3	11	68
Not stated .....	.....	1	4	1	2	2	.....	4	.....	3	4	1	22

DEATHS REPORTED BY WARDS AND PUBLIC INSTITUTIONS.

MONTHS.	WARDS.									New Hamp- shire State Hospital.	Margaret Phillipsbury General Hospital.	New Hamp- shire Me- morial Hos- pital.	Odd Fellows' Home.	Home for Aged.	New Hamp- shire State prison.	Totals.
	1	2	3	4	5	6	7	8	9							
January	2	.....	1	5	4	8	3	2	3	7	1	.....	.....	.....	.....	36
February	3	1	2	3	1	1	.....	2	.....	5	4	4	.....	.....	.....	28
March	6	1	2	2	6	3	2	2	2	7	2	3	.....	.....	.....	42
April	2	1	2	3	6	2	3	2	3	2	1	2	.....	.....	1	30
May	5	.....	2	4	6	.....	2	1	2	11	3	.....	.....	.....	.....	36
June	2	1	1	4	.....	2	3	1	2	4	4	.....	.....	.....	.....	24
July	4	.....	.....	3	3	3	2	1	1	7	5	.....	.....	.....	.....	29
August	5	1	3	6	.....	1	6	2	3	10	4	1	.....	.....	1	43
September	10	.....	.....	4	2	3	5	2	5	7	4	.....	.....	.....	.....	42
October	3	.....	1	4	3	5	3	2	1	5	6	1	.....	1	.....	35
November	3	.....	2	4	5	.....	5	2	2	7	2	2	.....	.....	.....	34
December	2	1	1	5	4	8	6	.....	1	8	5	2	1	1	.....	45
Totals	47	6	17	47	40	36	46	19	25	80	41	15	1	2	2	424

MORTALITY REPORT.

