

WATER DEPARTMENT.

301

For the year ending December 31, 1906,	\$73,063.45
“ “ “ 1907,	73,782.64
“ “ “ 1908,	71,362.67
“ “ “ 1909,	*67,307.84
“ “ “ 1910,	68,673.71
“ “ “ 1911,	71,881.34
“ “ “ 1912,	76,145.13
“ “ “ 1913,	76,154.45
“ “ “ 1914,	74,422.15
“ “ “ 1915,	78,940.06
“ “ “ 1916,	<u>75,052.72</u>
Total receipts for 44 years,	\$2,149,934.80

B.

MEAN HEIGHT OF WATER EACH YEAR.

1873,	175.86	1895,	171.15
1874,	179.50	1896,	178.96
1875,	180.00	1897,	183.33
1876,	180.28	1898,	184.31
1877,	176.46	1899,	183.49
1878,	179.50	1900,	183.09
1879,	179.74	1901,	183.86
1880,	175.30	1902,	184.98
1881,	174.70	1903,	184.75
1882,	179.15	1904,	184.40
1883,	176.40	1905,	183.37
1884,	178.18	1906,	183.94
1885,	176.80	1907,	183.59
1886,	178.10	1908,	183.41
1887,	179.04	1909,	181.40
1888,	181.96	1910,	180.22
1889,	180.91	1911,	177.60
1890,	181.90	1912,	178.86
1891,	180.00	1913,	179.20
1892,	174.32	1914,	179.55
1893,	173.38	1915,	180.00
1894,	172.81	1916,	184.15

* No hydrant rental after 1908.

D.

HYDRANTS.

H, HIGH SERVICE; L, LOW SERVICE.

STREETS.	LOCATIONS.	Service.	Number.	
North Main...	Southwest corner of Penacook.....	L		
	East side, near J. B. Walker's.....	L		
	Junction of Fiske.....	L		
	East side, near Larkin's store.....	H		
	Northwest corner of Franklin.....	H		
	East side, opposite Pearl.....	H		
	Northwest corner of Washington.....	L		
	West side, at West Garden.....	H		
	East side, opposite Chapel.....	L		
	Northwest corner of Court.....	L		
	Northwest corner of Pitman.....	H		
	Northwest corner of Montgomery.....	H		
	East side, opposite Montgomery.....	L		
	Northwest corner of Centre.....	H		
	Southeast corner of Bridge.....	L		
	Southwest corner of Park.....	L		
	East side, opposite Park.....	H		
	Northwest corner of Capitol.....	H		
	Northwest corner of School.....	L		
	West side, at Centennial Block.....	H		
	East side, opposite Centennial Block.....	L		
	East side, in rear Eagle Hotel.....	L		
	East side, in rear Woodward Block.....	L		
	Northwest corner of Warren.....	L		
	West side, at Central Block.....	H		
	Northwest corner of Depot.....	L		
	Northwest corner of Pleasant.....	L		
	South Main...	Southeast corner of Pleasant.....		H
		Northeast corner of Freight.....		L
		East side, opposite Fayette.....		H
East side, opposite Thompson.....		L		
Southeast corner of Chandler.....		H		
Northwest corner of Wentworth Avenue.....		H		
Northwest corner of Thorndike.....		L		
East side, opposite St. John's Church.....		H		
Northwest corner of Perley.....		L		
West side, near Abbot & Downing Co.'s.....		H		
East side, opposite Abbot & Downing Co.'s.....		L		
East side, near West.....		H		
Northeast corner of Gas.....		L		
West side, opposite Holt Bros. Mfg. Co.....		H		

HYDRANTS.—Continued.

STREETS.	LOCATIONS.	Service.	Number.		
South Main ...	Southwest corner of South State	H			
	Northwest corner of Pillsbury	L			
	East side, opposite Pillsbury	H			
	West side, opposite entrance to R. R. shops ...	H			
	West side, at Lamprey's	L			
Water	West side, below Wiggin	L	20		
	West side, below Bridge	L			
Hall	West side, opp. Rolfe and Rumford Asylum ...	L	1		
	West side, near E. W. Robinson's	L			
	West side, near W. A. Phillips'	L			
	West side, opposite Hammond	L			
	West side, opposite Home Avenue	L			
	East side, opposite Roy's	L			
	East side, near Rumford Field	L			
	Hammond	North side, near Bridge		L	7
	Railroad	East side, opposite Ford & Kimball's		L	
	Fiske	West side, near North State		H	2
West side, south line of Walker School		H			
Summer	Northeast corner of Pitman	L	1		
Durgin	East side, opposite Toof's laundry	L			
North State ...	Southwest corner of Penacook	H	14		
	Northwest corner of Walker	H			
	Northwest corner of Church	L			
	Northeast corner of Franklin	L			
	Northwest corner of Tremont	L			
	Northeast corner of Washington	L			
	West side, opposite Court	L			
	Southwest corner of Maple	L			
	Southeast corner of Centre	L			
	Southeast corner of Park	L			
	Southwest corner of School	L			
	Southeast corner of Warren	L			
	Northwest corner of Warren	H			
	Northwest corner of Pleasant	L			
	South State ...	Southeast corner of Pleasant		H	
		East side, opposite Wall		L	
		Southeast corner of Fayette		L	
	Northwest corner of Thompson	L			
	Southwest corner of Monroe	L			
	East side, opposite Laurel	L			
	Northeast corner of Downing	L			
	Northeast corner of West	L			
	Southwest corner of Harrison	L	9		
Mills	West side, near Levi Call's	L			
	Northwest corner of Allison	L	2		
Dakin	West side, near C. E. Harriman's	L			
Dunklee	West side, 150 feet south of West	L	1		

HYDRANTS.—*Continued.*

STREETS.	LOCATIONS.	Service.	Number
Dunklee	Northwest corner of Allison	L	3
	Northwest corner of Pillsbury	L	
Broadway	West side, at H. H. Metcalf's	L	7
	Northwest corner of Allison	L	
	Northwest corner of Carter	L	
	Northwest corner of Stone	L	
	West side, at Rollins Park	L	
	West side, opposite McKinley	L	
	West side, between McKinley and Rockingham	L	
Donovan	Northeast corner of Wiggin	L	1
Green	Northwest corner of Prince	H	3
	East side, opposite Prince	L	
South	Northwest corner of Warren	L	14
	West side, opposite Wall	L	
	Northwest corner of Fayette	L	
	Northwest corner of Thompson	L	
	West side, opposite Monroe	L	
	West side, opposite Laurel	L	
	West side, below N. H. Memorial Hospital	L	
	West side, opposite Downing	L	
	West side, opposite Allison	L	
	West side, opposite Pillsbury	L	
	West side, near Paige's	L	
	West side, opposite I. W. Bushey's	L	
	Northwest corner of Iron Works Road	L	
	East side, at Quint's	L	
Bradley	West side, near Bow line	L	4
	Southwest corner of Penacook	H	
	Northwest corner of Walker	L	
	East side, opposite Highland	L	4
	Northwest corner of Franklin	L	
Union	Northwest corner of Maple	L	1
Jackson	Northeast corner of Church	H	1
Lyndon	Southwest corner of Tremont	H	2
	East side, opposite Abbott	H	
North Spring	Northeast corner of Maple	L	5
	Southwest corner of Centre	H	
	West side, at High School	H	
	East side, opposite High School	L	5
South Spring	Southwest corner of School	H	
	Southwest corner of Oak	L	4
	West side, opposite Thompson	L	
	West side, opposite Concord	L	
Academy	West side, near Memorial Hospital	L	1
	East side, at F. E. Hook's	H	1
Hanover	West side, at No. 10	L	1

HYDRANTS.—*Continued.*

STREETS.	LOCATIONS.	Service.	Number.
Rumford	West side, south of cemetery gate	H	
	West side, opposite Perkins	L	
	Southeast corner of Walker	L	
	Northeast corner of Albin	L	
	Northeast corner of Franklin	L	
	Northwest corner of Beacon	H	
	Northeast corner of Abbott	L	
	Northeast corner of Cambridge	L	
	Northwest corner of Centre	H	
	Northeast corner of School	L	
	West side, at Morrill School	L	
Huntington	West side, at head of Short	H	11
Tahanto	Northwest corner of School	H	1
Pine	Southwest corner of Centre	H	2
	Southwest corner of Warren	H	
Holt	East side, at Nason's	H	1
High	Northwest corner of Auburn	H	
	Northwest corner of Valley	H	
	East side, opposite Forest	H	
Valley	Southwest corner of Franklin	H	4
Auburn	Northeast corner of Forest	H	1
	Northeast corner of Chestnut	H	
Ridge Road	Northeast corner of Forest	H	3
	North side, between Centre and Forest	H	
Westbourne Rd	West side, opposite Mrs. Jackman's	H	1
Dartmouth	North side, north of Mrs. F. P. Hallett's	H	1
Princeton	Southwest corner of Clinton	L	1
	Southwest corner of Clinton	L	
Fruit	Northwest corner of Noyes	L	2
	Northeast corner of Woodman	H	
	West side, near V. A. Dearborn's	L	
	East side, opposite W. W. Critchett's	L	
Minot	East side, opposite Kilburn's	L	4
	West side, north of Odd Fellows' Home	H	
	West side, south of Odd Fellows' Home	H	
Kensington Rd	Northwest corner of Pleasant	H	3
	Northwest corner of Pleasant	H	
Stevens Ave	Northwest corner of Pleasant	H	1
Penacook	Northeast corner of Pleasant	H	
	South side, near Concord Lumber Co.	H	
	South side, east of P. B. Co.'s storehouse	H	
	South side, near P. B. Co.'s	H	
	South side, near P. B. Co.'s office	H	
	Southeast corner of North Main	H	
	Southwest corner of Rumford	H	
Walker	North side, opposite T. Hannigan's	H	8
	Southeast corner of Columbus Avenue	H	
	Southwest corner of Martin	L	
	South side, 500 feet west from Rumford	L	2

HYDRANTS.—*Continued.*

STREETS.	LOCATIONS.	Service.	Number.
Albin	North side, near D. Weathers'	L	1
Highland	North side, between Bradley and Rumford	L	
	Northeast corner of Rumford	L	2
Church	South side, east of Bradley	L	
	North side, opposite Lyndon	H	
	Northeast corner of Rumford	H	3
Franklin	Northwest corner of Jackson	H	
	Northeast corner of Lyndon	H	
	Southwest corner of Rumford	H	
	South side, opposite W. J. Ahern's	H	
	North side, between High and Auburn	H	
	Northeast corner of Auburn	H	6
Chestnut	Northwest corner of High	H	1
Tremont	North side, east of Harrod	L	
	Southwest corner of Jackson	H	2
Pearl	North side, at Kimball Flanders'	L	1
Beacon	North side, opposite Merrimack School	H	
	Northwest corner of Jackson	H	
	Southwest corner of Lyndon	H	
	North side, opposite White	H	
	South side, opposite Charles	H	5
Rowell	Northeast corner of White	H	1
Blanchard	Northwest corner of Essex	H	1
Ferry	North side, opposite Ford's foundry	H	
	North side, near N. E. Granite Works	H	
	North side, east of C. & M. R. R.	L	
	Northwest corner of Huntoon Avenue	H	4
Washington	North side, opposite Rollins	L	
	Southwest corner of Union	L	
	Northeast corner of Lyndon	H	
	Northwest corner of Rumford	H	
	Northwest corner of North Essex	H	
	North side, opposite Perry Avenue	H	6
Chapel	South side, near Methodist Church	L	1
Montgomery	South side, opposite Minot's	L	1
Centre	Northeast corner of North State	H	
	Southwest corner of Green	L	
	Northwest corner of Union	H	
	Northwest corner of North Spring	L	
	South side, opposite Essex	H	
	Southwest corner of Summit Avenue	H	
	South side, on east line of Dewey School lot	H	
	Northeast corner of Ridge Road	H	8
Bridge	South side, near easterly barn	L	
	North side, opposite Concord Coal Co.'s	H	
	North side, opposite Concord Shoe Factory	H	3
Park	North side, at St. Paul's Church	L	1

HYDRANTS.—*Continued.*

STREETS.	LOCATIONS.	Service.	Number.
Capitol	North side, at south gate of State House yard	H	2
	Northeast corner of North State	H	
Garden	Northeast corner of Huntington	H	1
School	South side, west of Durgin	H	11
	Northwest corner of North State	H	
	Northeast corner of Green	H	
	Northwest corner of Green	L	
	Northwest corner of North Spring	L	
	Northwest corner of Rumford	L	
	Northwest corner of Merrimack	H	
	Northwest corner of Pine	H	
	Northeast corner of Liberty	H	
	North side, opposite E. B. Woodworth's	H	
	Southeast corner of Giles	H	
Warren	Southeast corner of Odd Fellows Avenue	H	9
	Southeast corner of Fremont	L	
	Northwest corner of North Spring	L	
	Northwest corner of Rumford	H	
	Southwest corner of Merrimack	H	
	Northwest corner of Tahanto	H	
	Northeast corner of Liberty	H	
	Northeast corner of Giles	H	
Depot	Junction of Pleasant, near Fruit	H	2
	South side, at north end of train shed	H	
Blake	Northwest corner of Railroad Square	L	1
Orchard	South side, at H. B. Boutwell's	L	1
	South side, opposite Sherburne's	H	
Pleasant	Southwest corner of Railroad Square	H	1
	Northwest corner of Railroad Square	L	
	South side, at South Congregational Church	L	
	Southeast corner of South	L	
	Northeast corner of Fremont	L	
	Southwest corner of Spring	H	
	South side, opposite Rumford	H	
	South side, opposite Merrimack	H	
	South side, opposite Pine	H	
	South side, opposite Liberty	H	
	North side, near city stable	H	
	South side, near Gale	H	
	South side, opposite Mrs. Aiken's	H	
	South side, near Mrs. Eddy's cottage	H	
	South side, at Lavery's	H	
	South side, opposite No. 270	H	
	North side, near James Lane's	H	
North side, opposite No. 291	H		

HYDRANTS.—*Continued.*

STREETS.	LOCATIONS.	Service.	Number.
Pleasant	North side, near J. McC. Hammond's	H	24
	South side, opposite Fiske Road	H	
	Southwest corner of School Avenue	H	
	North side, at chapel	H	
	South side, opposite Lower School	H	
Fiske Road	South side, near new Upper School	H	1
	East side, at Trask's	H	
Hopkinton Rd.	South side, near new infirmary	H	1
Mill Road, St. P. School	East side, near laboratory	H	3
	North side, at Orphans' Home	H	
	South side, at tenement No. 7	H	
Old Hopkinton Road	Junction of Hopkinton road	H	1
Wall	Northeast corner of Elm	L	1
Marshall	North side, opposite Fuller	L	1
Freight	No. side, at southwest corner pass. station	H	1
Hill's Avenue	Southwest corner of Railroad Square	L	2
	Northeast corner of South Main	L	
Fayette	Northwest corner of Elm	L	1
Thompson	North side, opposite Jefferson	L	1
Chandler	South side, opposite Railroad	L	1
Concord	Southwest corner of South State	L	3
	Northwest corner of Jefferson	L	
	Northeast corner of South	L	
Monroe	North side, opposite Grove	L	2
	South side, at Rumford School	L	
Thorndike	North side, between So. Main and So. State	L	5
	Southwest corner of South State	L	
	Northeast corner of Grove	L	
Laurel	North side, opposite Pierce	L	2
	Northeast corner of South Spring	L	
Perley	Northwest corner of Grove	L	4
	Southwest corner of South State	L	
Downing	Northwest corner of Grove	L	3
	Northeast corner of Pierce	L	
	South side, near old brook	L	
Clinton	South side, opposite Grove	L	5
	Southeast corner of Mills	L	
	Southwest corner of Redwood Avenue	L	
	North side, opposite Harvard	L	
	North side, opposite Avon	L	
	Northeast corner of Fruit	L	
	North side, near Snell's	L	
	North side, at State Fair grounds	L	

HYDRANTS.—Continued.

STREETS.	LOCATIONS.	Service.	Number.
West	North side, near South Main	L	5
	North side, near Badger	L	
	Northeast corner of Mills	L	
	North side, opposite Dakin	L	
	Northwest corner of Broadway	L	
Avon	Northwest corner of South	L	1
Harrison	Northwest corner of Morton	L	1
Humphrey	North side, near Kimball	L	1
Allison	Northeast corner of Badger	L	1
Pillsbury	North side, opposite Foster Ward	L	3
	Northeast corner of Broadway	L	
	Northwest corner of Kimball	L	
Carter	Northeast corner of Eastman	L	1
Stone	North side, 300 feet from Bow	L	1
Holly	North side, west of South Main	L	1
McKinley	North side, at Dunklee St. proposed exten'n	L	1
Rockingham	Northeast corner of Broadway	L	2
	North side, at Donovan	L	
Iron Works Rd.	South side, at Brown's	L	1
Prospect	Northwest corner of Granite Avenue	L	2
	East side, north of Granite Avenue	L	
Curtice Ave.	North side, near John C. Kenney's	L	1
North State	West side, at Water-Works storehouse	L	13
	Northeast corner of Foster	L	
	East side, at Tahanto School	L	
	Northeast corner of Curtice Avenue	L	
	East side, near north entrance Blossom Hill Cemetery	H	
	West side, near Calvary Cemetery	L	
	East side, near W. H. Perry's	L	
	East side, near Oliver Racine's	H	
	East side, near A. L. Colburn's	L	
	East side, near Thomas Fox's house	H	
	West side, at south line of prison wall	L	
	West side, at north line of prison wall	L	
	East side, near Asa L. Gay's	L	
	North side, west of Fairbanks	H	
	Northwest corner of Palm	H	
Palm	West side, near Concord Woodworking Co.	L	1
	East side, near C. H. Farnum's	L	
	East side, near Cyrus R. Farnum's	H	
	East side, near John True's	L	
	East side, opposite Dolan	L	
	East side, opposite John H. Flood's	H	
	West side, opposite A. J. Abbott's	L	
	East side, at A. J. Abbott's	H	
	East side, at A. J. Abbott's	H	

HYDRANTS.—*Continued.*

STREETS.	LOCATIONS.	Service.	Number.
WEST CONCORD.			
North State . . .	Southeast corner of K.	H	
	Northeast corner of Peabody	L	
	East side, at George Partridge's	H	
	East side, near engine house	H	
	East side, opposite Hodgson's	H	
	West side, near Crescent Mfg. Co.	H	
	East side, opposite Simeon Partridge's	H	
	East side, near Mr. Harrington's	H	
	East side, opposite A. Hollis'	H	
	East side, near Sewall's Falls Road	H	10
Fisher	Southwest corner of Engel	L	1
View	Northeast corner of K.	L	1
Electric	Northeast corner of North State	L	
	North side, near power station	L	2
Clarke	Northeast corner of Fisher	L	1
Lake	East side, near S. W. Kellom's	L	
	West side, near H. C. Holden's	H	
	West side, near Wilson's	H	
	East side, near H. C. Holden's	L	
Knight	South side, near Quaker	H	5
	South side, opposite railroad station	H	
Hutchins	South side at Quaker	L	2
	North side, near B. T. Putney's	H	
Second	North side, near C. & C. Railroad	H	
	North side, at Turcotte's	H	3
Sewall's Falls Road	North side, near A. H. Knight's	H	1
	East side, at north line of cemetery	H	1
Penacook Rd.	West side, opposite Frost's	H	
	West side, opposite Blanchard's	H	
	West side, near Warner Road	H	3
PENACOOK.			
South Main	West side, at Harriman's	H	
	West side, at Annis's	H	
	West side, at Garvin's	H	
	West side, south of Willow Hollow	H	
	West side, north of Willow Hollow	H	
	West side, at south end of Woodlawn Cem'y.	H	
	West side, at north end of Woodlawn Cem'y.	H	
	West side, opposite Stark	H	
	West side, near Hoyt's garage	H	
	West side, near Prescott's	H	
	Southwest corner of Union	H	
	Washington Square, opp. Exchange Block	H	

HYDRANTS.—Continued.

STREETS.	LOCATIONS.	Service.	Number.
South Main	Northwest corner of Charles	H	15
	North side, opposite East Canal	H	
	North side, near iron bridge	H	
West Main	West side, opposite cemetery	H	2
	West side, at Pine	H	
High	Northwest corner of Stark	H	4
	East side, opposite Summit	H	
	Northwest corner of Maple	H	
Washington	Northwest corner of Spring	H	6
	South side, near South Main	H	
	Southeast corner of Union	H	
	South side, opposite John Whitaker's	H	
	South side, opposite Charles	H	
Fowler	South side, near Contoocook bridge	H	2
	North side, at Rolfe's sawmill	H	
Electric Ave	West side, at Charles Holmes'	H	1
Elliott	East side, near Elliott's	H	1
Charles	South side, junction of Washington	H	3
	Northeast corner of Electric Avenue	H	
West Canal	Southwest corner of Warren	H	1
	South side, at School-house	H	
East Canal	North side, near George W. Corey's	H	2
	Southeast corner of Warren	H	
Crescent	North side, near Contoocook Mfg. Co.	H	1
Walnut	North side, near Crescent	H	1
Merrimack	West side, north of Canal	H	8
	North side, at Bye	H	
	South side, opposite Merrimack Avenue	H	
	North side, opposite D. W. Fox's	H	
	North side, opposite Cross	H	
	South side, opposite Bye	H	
	South side, opposite Rolfe's shop	H	
	South side, opposite Symonds' factory	H	
Summer	North side, near road to Island	H	3
	Northwest corner of Penacook	H	
	North side, opposite High	H	
Spring	Northeast corner of Centre	H	1
Maple	North side, opposite Church	H	1
Winter	Northeast corner of Church	H	1
Centre	North side, near Pleasant	H	2
	Northwest corner of Spring	H	
Cross	West side, at Corbett's	H	2
	North west corner of Spring	H	
	Southwest corner of Summer	H	

HYDRANTS.—*Concluded.*

STREETS.	LOCATIONS.	Service.	Number.
Rolfe	North side, near James Corbett's	H	
	Northwest corner of Penacook	H	2
Penacook	West side, opposite A. W. Rolfe's	H	
	West side, at E. L. Davis'	H	
	East side, at McGirr's	H	3
	Whole number public hydrants		455
	PRIVATE HYDRANTS.		
	Abbot & Downing Co.	H	6
	Boston & Maine Railroad, upper yard	L	4
	Boston & Maine Railroad, shops	H	15
	Boston & Maine Railroad, power house, West Concord	H	1
	Brampton Woolen Co.	H	3
	Concord Gas Light Co.	L	1
	Concord Shoe Factory	H	1
	Concord Worsted Mills.	H	2
	Wm. B. Durgin Co.	H	1
	Ford Foundry Co.	L	1
	N. E. Box Co.	H	3
	N. H. Spinning Mill	H	6
	N. H. State Hospital	H	12
	N. H. State Prison	H	4
	N. H. State Prison	L	2
	Page Belting Co.	H	9
	Page Belting Co.	L	1
	St. Paul's School	H	14
	Water-works pumping station	H	1
	Whole number private hydrants		87

E.

SUMMARY OF STATISTICS.

FOR THE YEAR ENDING DECEMBER 31, 1916.

In form recommended by the New England Water-Works Association.

CONCORD WATER-WORKS.

CITY OF CONCORD, COUNTY OF MERRIMACK, STATE OF NEW HAMPSHIRE.

GENERAL STATISTICS.

Population by census of 1910—21,497.

Date of construction—1872.

By whom owned—City of Concord.

Source of supply—Penacook Lake.

Mode of supply—Gravity, also pumping to reservoir for high service and fire protection.

PUMPING.

1. Builders of pumping machinery—Henry R. Worthington, Harrison, N. J.
2. Description of fuel used—*a.* Kind—bituminous.
b. Brand of coal—Forge Coal.
c. Average price of coal per gross ton delivered, \$5.55.
d. Percentage ash, 5.6%.
3. Coal consumed for year—224.77 tons.
4. (Pounds of wood consumed) ÷ 3 = equivalent amount of coal—3,602 lbs.

5. Total equivalent coal consumed for the year for pumping purposes—226.38 tons.

6. Total pumpage for the year without allowance for slip—265,045,707 gallons.

7. Average static head against which pump works—103.84 feet.

8. Average dynamic head against which pump works—105 feet.

9. Number of gallons pumped per pound of equivalent coal—522.6.

10. Duty =

$$\frac{265,045,707 \text{ gallons pumped, } \times 8.34 \text{ (lbs.) } \times 100 \times \text{dynamic head, } 105}{\text{Total fuel consumed, } 507,091 \text{ pounds.}} = 45,764,082.$$

Cost of pumping figured on pumping station expenses—\$3,779.09.

11. Per million gallons pumped—\$15.40.

12. Per million gallons raised one foot (dynamic)—\$0.146.

CONSUMPTION.

1. Total population, census of 1910, 21,497.
2. Estimated population on lines of pipe, 20,000.
3. Estimated population supplied, 20,000.
4. Total consumption for the year, 862,130,000 gallons.
5. Passed through meters, 541,635,150 gallons.
6. Percentage of consumption metered, 62.8.
7. Average daily consumption, 2,362,000 gallons.
8. Gallons per day to each inhabitant (1), 109.
9. Gallons per day to each consumer (3), 118.
10. Gallons per day to each tap (taps in use), 609.
11. Cost of supplying water per million gallons, figured on total maintenance (Item CC), \$19.41.
12. Cost of supplying water per million gallons, figured on total maintenance plus interest on bonds (Items CC and DD), \$40.16.

DISTRIBUTION.

MAINS.

1. Kind of pipe—cast iron and cement-lined.
2. Sizes—from two-inch to twenty-four-inch.
3. Extended—1,033 feet during year.
4. Renewed—000 feet during year.
5. Discontinued—000 feet during year.
6. Total now in use—70.90 miles.
7. Number of leaks per mile for year—
8. Length of pipes two inches and less diameter—3.31 miles.
9. Number of hydrants added during year—public, 7.
10. Number of hydrants now in use—public, 455; private, 87.
11. Number of stop gates added during year—8.
12. Number of stop gates now in use—1,047.
13. Number of stop gates smaller than four-inch—
14. Number of blow-off gates—82.
15. Range of pressure on mains at center of city—88 pounds high service and 48 pounds low service.

SERVICES.

16. Kind of pipe—cement-lined.
17. Sizes—three-fourths-inch to ten-inch.
18. Extended—564 feet.
19. Discontinued—215 feet.
20. Total now in use—91,585 feet.
21. Number of service taps added during year—23.
22. Number now in use—3,873.
23. Average length of service—23.64 feet.
24. Average cost of service for the year—\$10.04.
25. Number of meters added during year—74.
26. Number now in use—2,529.
27. Percentage of services metered—67.88.
28. Percentage of receipts from metered water—84.55.
29. Number of elevators added—none.
30. Number now in use—9.
31. Number of standpipes for street watering—44.

FINANCIAL.

RECEIPTS.		EXPENDITURES.	
Balance brought forward:		Water Works Maintenance:	
(a) From ordinary (maintenance) receipts,	\$25,307.70	AA. Operation (management and repairs,	\$18,579.54
(b) From extraordinary receipts (bonds, etc.),	.....	BB. Special,	.....
Total,	\$25,307.70	CC. Total maintenance,	\$16,734.60
From Water Rates:		DD. Interest on bonds (CC DD),	
A. Fixture rates,	\$11,048.39	EE. Payment of bonds,	17,888.78
B. Meter rates,	63,059.47	FF. Sinking Fund,	38,000.00
C. Total from consumers,	74,106.86	Water Works Construction:	.....
D. For hydrants,	\$.....	GG. Extension of mains,	\$3,057.63
E. For fountains,	.....	HH. Extension of services,	334.38
F. For street watering,	.....	II. Extension of meters,	1,315.52
G. For public buildings:		JJ. Special,	.....
School,	468.00	KK. Total construction,	4,707.49
All others,	.....	LL. Unclassified expenses:	
H. For miscellaneous uses,	.....	Land,	2,103.24
I. General appropriation,	.....	Auto truck,	1,844.94
J. Total from municipal departments,	468.00	MM. Balance:	
K. From tax levy,	.....	(aa) Ordinary,	\$19,081.37
L. From bond issue,	477.86	(bb) Extraordinary,	.....
M. From other sources,	.....	Total balance,	19,081.37
N. Total,	\$100,360.42		\$100,360.42

DISPOSITION OF BALANCE, CARRIED FORWARD TO 1917.

- O. Net cost of works to date, \$1,064,529.10.
- P. Bonded debt at date, \$419,000.00.
- Q. Value of Sinking Fund at date, \$.....
- R. Average rate of interest, 3.89 per cent.

INVENTORY.

OF THE PROPERTY OF THE WATER DEPARTMENT, INCLUDING
THE PLANT AND WATER RIGHTS, AND ALL THE REAL
ESTATE AND PERSONAL PROPERTY IN THEIR POSSESSION,
JANUARY 1, 1917.

Water rights—land, etc.,	\$1,071,093.44
Water office—furniture, etc.,	1,144.50
Pumping station—furniture, supplies, etc.,	850.00
Shop at pumping station:	
Machinery, tools, meters, service pipe, etc.,	3,260.53
Service truck, runabout, horse, wagons and supplies,	3,000.00
Storehouse—hydrants, water gates, special castings, etc.,	2,257.91
Pipe yard—cast-iron pipe,	3,880.00
Shop at Penacook—pipe, etc.,	15.00
Shop at West Concord—pipe, etc.,	40.00
	<hr/>
	\$1,085,541.38

REPORT OF CITY SOLICITOR.

CONCORD, N. H., February 9, 1917.

To the Board of Aldermen:

The following report is made for the purpose of explaining specifically to the board the progress of the litigation during the past year in which the city has been interested.

Boston & Maine Railroad v. Concord was a petition for the abatement of taxes assessed upon certain personal property located at the shops which consisted of about one-half million dollars worth of lumber and supplies of all kinds. The tax was assessed under the stock in trade statute, so-called. The case was referred by the superior court to the tax commission to find the facts. The tax commission found as a matter of fact, in accordance with our contention, that the railroad was engaged in manufacturing at the local shops. Exceptions were taken to the finding of the commission and the case went to the supreme court where it was argued at the June term. The court held (1) that taxes cannot be assessed by towns or cities except by legislative authority, (2) the state has always retained the power to tax railroad property and never has delegated that power to towns and cities except in the case of real estate not used in the ordinary business of the road, and (3) towns and cities have no power to assess taxes on the personal property of railroads.

Of course this case was in the nature of a test case for the purpose of finally determining whether the city or the state should tax this property. Since the above decision the attorney-general has intervened in behalf of the state and that action is now pending.

In my report for 1915 I discussed the case of *Archibald McClellan & a. Trustees, v. Concord*, which was a petition

for the abatement of taxes assessed on the Eddy trust estate. At that time I drew attention to the statute which had been passed after the case arose and which would thereafter furnish statutory authority for the taxation of the whole of the trust. At the same time I drew attention to the possible question as to whether the statute was constitutional, as under the situation then existing it would have resulted in a double taxation of five-sixths of the property in view of the fact that Massachusetts was also taxing five-sixths of the estate. Since making my last report a similar case has arisen in Massachusetts involving the question of the right of Massachusetts under its statutes to tax a trust estate created in another commonwealth, but held by Massachusetts trustees. The supreme court of Massachusetts held that the Massachusetts statutes did not give the right of taxation of such estate in said Massachusetts. Accordingly, the Brookline, Massachusetts, assessors did not tax the Eddy estate at all for 1916 and the tax was paid to Concord.

Ward v. City of Concord was a petition for mandamus to require the Board of Public Works to issue a permit to the plaintiff to install a sidewalk pump. The case was referred to Burns P. Hodgman, master, to find the facts. After a lengthy trial he reported that the board acted in perfect good faith and the case is now pending in the superior court on a motion filed by me for confirmation of the report and dismissal of the petition.

Ordway v. Concord and *Moore v. Concord*, the first for personal and the second for property damage, arose out of the overturning of an automobile on the Loudon road in the summer of 1915. The injuries claimed by Ordway were very serious, including curvature of the spine. Moore claimed that his automobile was seriously damaged and that he was injured in his business by reason of not being able to use the automobile. Both cases were compromised for \$1,700, which seemed good judgment in view of the fact that the bank over which the machine went was unrailed and the road in a sandy condition. The plaintiffs

claimed that the machine struck a rock in the road which diverted the machine over the bank.

Tilton v. Concord is a test case to determine whether the city of Concord is liable for the support of certain paupers now living in Tilton. The question is whether a city or town is liable for the support of paupers for a period greater than ten years from the time such people commenced to gain their settlement in such city or town. The case has gone to the supreme court on an agreed statement of facts without ruling and will be argued at the March session.

State v. Robinson was a test case to determine whether automobile fines collected in the local municipal court belong to the city or the state. On March 4, 1915, the legislature enacted that all fines collected in police courts should belong to the municipalities and repealed all inconsistent statutes. At that time the criminal law applicable to all courts of criminal jurisdiction provided that all fines imposed for violations of the automobile law should go to the state. The legislature apparently thought that a mistake had been made and the act of March 4, 1915, was amended at the same session twenty days later so as to except "cases where otherwise specifically fixed by statute." We took the position that the act of March 4, 1915, repealed the law then in force in regard to automobile fines and that the act passed twenty days later had no effect, upon the theory that the repeal of the act of March 4, 1915, did not revive the earlier provision repealed by said act, in accordance with the rule of the common law and of the statutes of New Hampshire. The supreme court, however, did not take this view. It held that the plain intent of the legislature was to remedy the situation created by inadvertence so as to permit such fines to go to the state as they had formerly gone. This was undoubtedly a correct determination of the case and accomplished what was desired, the removal of a doubt in the minds of the officials of the municipal courts throughout the state as to whom they could safely pay out the fines in their hands.

Concord Manufacturing Company v. Concord is a petition

for abatement of taxes on the plaintiff's mill, situated in Ward 1. The case was referred by the superior court to the tax commission for a finding of fact and has been there for a considerable length of time. Acting under authority from the board, I secured the services of a mill expert to make a valuation of the plant in preparation for the trial. This the expert has done and has supplied me with a comprehensive report which confirms the opinion of the assessors as to the value of the plant. I have endeavored to get a trial of the case for the past year, but the tax commission has not yet set a date for such trial. Of course the city has received the taxes on this property under protest and there is no very great harm in the delay attending the trial of the case. However, if it should prove that the assessors overvalued the property, to the rebate will be added six per cent interest for quite a period, and the detriment to the city comes in having to pay six per cent for money which it could borrow for four per cent or less. It is not a very serious matter, however.

In addition to the foregoing, the usual routine business has been attended to, and I am now representing the city before committees of the legislature on matters of considerable importance to municipalities in general. These have to do with trust funds and water-works.

Respectfully submitted,

ALEXANDER MURCHIE,
Solicitor.

REPORT OF CITY PHYSICIAN.

To the Board of Mayor and Aldermen:

The following is a report of the work of the city physician for the years ending December 31, 1915, and December 31, 1916.

	<i>1915.</i>	<i>1916.</i>
House calls on city poor,	108	112
Office calls on city poor,	39	48
House calls, board of health work,	41	48
Office calls, board of health work,	27	42
Cultures taken in diphtheria epidemic work,	197	362
Vaccinations and examinations made for issuance of certificate,	149	182
Calls at police station,	28	33
School-rooms inspected (individual examina- tion of each pupil in the room),	12	16

No record has been kept of numerous conferences (almost daily) between the sanitary officer and the city physician. It is believed that these conferences have been mutually helpful and that, as a consequence, the community has been more promptly and efficiently served in the numerous emergencies that have arisen requiring co-operation between these officials.

Respectfully submitted,

CHAS. H. COOK,
City Physician.

February 3, 1917.

REPORT OF THE CEMETERY COMMISSIONERS.

To the Mayor and Board of Aldermen:

The amounts placed at our disposal have been prudently used in the care of the cemeteries, as but little new work has been done.

The only new work at Blossom Hill Cemetery has been the beginning of a water-course for draining a section at the northwest part of the cemetery, also to take care of the large flow of water in the spring time. The cemetery has been in fine condition for the entire season.

The burials in Blossom Hill Cemetery have been 168. The Chapel has been used 17 times. The burials in "The Old North Cemetery" have been 11. The Old North and Minot Cemeteries have been in excellent condition as far as the funds at our disposal would allow. The fence is still in a deplorable condition, because of its being so decayed.

Whatever appropriations may be made for the coming year will be most carefully used for the care and improvement of the cemeteries.

For the detailed account of the expenditures, would refer you to the City Treasurer's report:

Respectfully submitted,

NATHANIEL W. HOBBS, *Mayor*.
FRANK J. PILLSBURY, Ward 6.
CHARLES G. REMICK, " 4.
CHARLES L. JACKMAN, " 5.
JOHN E. ROBERTSON, " 4.
JOHN P. GEORGE, " 4.
EDWARD A. MOULTON, *Secretary*, Ward 4.

REPORT OF PARK COMMISSIONERS.

To the City Council:

The Park Commissioners present herewith their report for the year ending December 31, 1916.

RECEIPTS.

General appropriation,	\$3,900.00	
Less unexpended,	250.04	
		————— \$3,649.96

EXPENDITURES.

Salary of Superintendent, twelve months,	\$1,080.00
--	------------

WHITE'S PARK.

Paid for labor,	\$912.63	
labor removing moths,	141.65	
labor on ice,	32.50	
cash paid Mr. Atkinson,	32.30	
Thompson & Hoague, hard-		
ware and supplies,	267.68	
Clifford, labor and supplies,	4.20	
horse hire,	48.00	
dressing,	43.00	
teaming,	149.21	
grain,	38.45	
mason work, Mr. Lugg,	2.40	
Globe horseshoeing, repairs,	1.25	
J. Adams, sharpening lawn		
mower,	1.00	
		————— 1,674.27

ROLLINS PARK:

Paid for labor,	\$463.18
shrubs,	39.10
grain,	105.10
Brunnel, for carrots,	5.50

Dr. Burchstead	\$2.00	
rubber boots,	4.25	
Virgin, for lumber,	8.88	
dressing,	2.50	
	<hr/>	630.51

SMALL PARKS.

Fiske Park,	\$34.88	
Bradley,	37.13	
Court House Park,	54.00	
Ridge,	18.57	
Pecker,	19.50	
State Street Park,	101.10	
	<hr/>	265.18
		<hr/>
		\$3,649.96

NATHANIEL W. HOBBS, *Mayor, ex-officio.*
 WILLIS D. THOMPSON,
 GARDNER B. EMMONS,
 BENJAMIN C. WHITE,
 CHARLES P. BANCROFT,
 JOHN P. GEORGE,

Commissioners.

REPORT OF JOHN KIMBALL PLAY- GROUND.

To the Board of Aldermen:

The committee respectfully submits the following report for the year 1916:

The year's work has been carried on in much the same manner as last year, and with equally good results. The girls' department was again in charge of Miss Charlotte White, and her work has once more proved her ability as a playground instructor. The enthusiasm displayed by over one hundred girls not only in the games, but in the various handicrafts, the steadily increasing attendance during the summer, the friendly spirit of the girls and their general helpfulness, all testify to the good work of the playground.

The Victrola has not only helped in the folk dances, but the beautiful records, donated by a generous friend of the playground, has been a source of pleasure to many. The playground needs more care during the hours when it is not used by the children. Mr. Harold Fraser proved an efficient and trusty caretaker during the hours when he was employed, but the late evening visitors are far from careful of the playground property. Some arrangement ought to be made so that the playground could be under supervision at all hours.

The closing exercises were very interesting and gave evidence of good work both in Miss White's and Mr. Fraser's department. It is very gratifying that the John Kimball Playground can furnish so many young people who are physically strong. Those who watched the races of that day realize that both boys and girls were profiting by the training.

The doll, dressed by the girls, was given to the New Hampshire Memorial Hospital. The tennis courts will be ready for use the first of next summer and it is hoped that it will prove a pleasure to the older boys and girls.

JOHN KIMBALL PLAYGROUND.

EXPENDITURES.

June.	Isaac Hill, pay-roll,	\$29.11
	Labor,	16.00
July.	Victrola and records,	15.00
	Benjamin Ahern, teaming,	3.00
	Baseballs,	10.50
	Capital Hardware Co., supplies,	6.20
	Thompson & Hoague Co.,	3.37
Aug.	Isaac Hill, pay-roll,	32.00
	C. E. Tenney, supplies,	2.00
	Tenney Bros., supplies,	.50
Sept.	Isaac Hill, pay-roll,	32.00
	Thompson & Hoague, supplies,	5.00
Oct.	Isaac Hill, pay-roll,	8.00
	Charlotte White, services and supplies,	95.00
	Concord Electric Co.,	2.77
	Brown & Batchelder, supplies,	6.25
	Hawkes & Davis, supplies,	2.75
	Thorne Shoe Store Co.,	2.25
Nov.	Highway Dept., labor and supplies,	63.92
	W. Carpenter, repairs,	2.68
	Thompson & Hoague Co., supplies,	.98
Dec.	Concord Wiring & Supply Co.,	13.59
	Isaac Hill, pay-roll,	3.00
	I. T. Chesley, labor and teaming,	125.45
	Thompson & Hoague Co., supplies,	4.59
		<hr/>
		\$485.91
	Appropriation,	\$500.00
	Total expenditures,	485.91
		<hr/>
	Balance,	\$14.09
	Approved:	

ROY W. FRASER.
R. A. BROWN.
LUELLE A. DICKERMAN.

REPORT OF THE COMMITTEE ON THE SOUTH END PLAYGROUND.

To the Mayor and Board of Aldermen:

This committee respectfully submits the following report for the year 1916:

Early in the season the baseball grounds, tennis and croquet courts received the necessary repairs to put them in good condition for the summer.

Three large benches and fifteen small stools were purchased which added greatly to the comfort of the instructor and children in their class work.

A building in which to store the equipment was also purchased this season as its need had been greatly felt by both players and workers. Our appropriation was not quite sufficient to cover the entire cost of this purchase but arrangements were made to pay the balance due from our 1917 appropriation.

In addition to the usual gardens for the smaller children twenty large ones were laid out and assigned to the older boys and girls with very good results.

A caretaker for the grounds was engaged for the season, devoting a part of each day with the exception of Sundays.

Miss Marion Shepard began her work as instructor June 15 and continued through September 2. Mr. J. S. Stevens and Mr. Louis Reycroft instructed the boys.

The average daily attendance of girls and boys was fifty-eight. This does not include those present on July 4 and on Field Day, when the attendance was more than doubled.

Tennis, croquet and volley ball were the most popular sports and the tests given by the American Playground Association were tried out the latter part of the season.

The exhibition on Field Day included embroidery, basketry, paper flower work, and a fine display of vegetables from the gardens. The usual prizes for the season's work and for the sports were awarded at this time.

STATEMENT.

Salaries,	\$171.86
Gardens, supplies and work,	46.02
Repairs, tennis and croquet courts, etc.,	64.92
Upkeep,	24.77
Equipment,	109.72
Fourth of July and Field Day,	75.81
	<hr/>
	\$493.10
Appropriation,	500.00
	<hr/>
Unexpended balance,	\$6.90

HARRY C. BRUNEL,
SHUBAEL P. DEARBORN,
ELSIE L. JOHNSON,
Committee.

REPORT OF THE PUBLIC BATH.

CONCORD, N. H., February 18, 1917.

To His Honor, the Mayor, and the Board of Aldermen:

The season of 1916 which has just closed was one of the most successful ever enjoyed at the public bath. This is shown by the larger attendance and the increased interest shown by both men and women. It was also a source of great pleasure to the soldiers who made use of the public bath daily.

The daily attendance was about the average and during the warm weather, it was doubled, due to the interest shown by the soldiers. The women bathers are showing an increased interest which compares favorably with the work carried on by other cities.

The annual water carnival was run off on the closing days for the boys and girls. Much interest was shown in the carnival. The prizes for the different events were contributed by the merchants of the city.

Record of Attendance:

Total number of boys and girls,	18,500
Average daily attendance, girls,	125
Average daily attendance, boys,	250
Largest number of girls present on any one day,	198
Largest number of men and boys (soldiers),	700
Number of boys saved from probable drowning, (Cause in each case, going beyond depth.)	4
Number of boys who have learned to swim,	62
Number of girls who have learned to swim,	38

RECOMMENDATIONS.

1. Lockers should be placed in the bath house. At the present time the facilities are very poor for the women.
2. Appropriation should be increased.

Respectfully submitted,

JEREMIAH T. REARDON,

Instructor.

REPORT OF THE CITY CLERK.

FOR THE YEAR ENDING DECEMBER 31, 1916.

The undersigned herewith presents an account of the amount received from fees, licenses and other sources for the year ending December 31, 1916:

From fees of all kinds,	\$447.45
rent, Auditorium,	70.00
hack and job teams licenses,	138.50
bowling alley and pool tables licenses,	460.00
pawnbroker's license,	25.00
employment bureau license,	5.00
junk dealers' licenses,	190.00
dog licenses,	1,406.40
rebate, municipal telephone,	5.50
police harness sold,	5.00
state primary,	113.00
grass sold by M. J. Lee, account 1915,	8.00
witness fee, J. H. Morris,	1.37
bounty on grasshoppers,	29.50
rent, city farm, I. Wilson,	5.00
old copper gutters from city hall,	133.20
proceeds city lot, Ward 3,	30.75
theatre licenses,	726.00
Merrimack County, aid to dependent soldiers,	1,930.62
Merrimack County, aid to county poor,	13,547.41
	<hr/>
	\$19,277.70

The foregoing amount has been paid into the city treasury.

Respectfully submitted,

HENRY E. CHAMBERLIN,
City Clerk.

POOR DEPARTMENT.

FORTY-NINTH ANNUAL REPORT OF THE OVERSEER
OF THE POOR.

FOR THE YEAR ENDING DECEMBER 31, 1916.

To the Board of Aldermen:

The undersigned herewith submits the forty-ninth annual report of expenditures for the poor, including Wards One and Two, for the year ending December 31, 1916:

	CITY POOR.	
Appropriation,	\$2,500.00	
Resolution No. 266,	639.62	
	—————	\$3,139.62
Paid groceries,	\$946.95	
milk,	59.62	
fuel,	524.27	
rents,	501.00	
care children,	340.00	
board and care,	528.43	
medicine,	36.60	
shoes and rubbers,	69.65	
burials,	40.00	
miscellaneous,	93.10	
	—————	\$3,139.62
	COUNTY POOR.	
Paid groceries,	\$3,017.03	
milk,	429.95	
fuel,	1,787.87	
rents,	3,939.49	

care children,	\$2,501.91
board and care,	1,866.50
shoes, rubbers and clothing,	316.65
transient account,	30.45
burials,	162.00
miscellaneous,	42.70
	<hr/> \$14,094.55
Total amount paid for aid to poor,	\$17,234.17

DEPENDENT SOLDIERS, CITY.

Appropriation,	\$150.00
Paid care, sickness,	\$106.00

DEPENDENT SOLDIERS, COUNTY.

Paid groceries,	\$642.23
milk,	29.89
fuel,	719.94
rents,	303.00
board and care,	240.26
burial,	25.00
miscellaneous,	5.00
clothing,	5.25
	<hr/> \$1,970.57
Total amount paid for aid to dependent soldiers,	\$2,076.57

Respectfully submitted,

HENRY E. CHAMBERLIN,
Overseer of the Poor.

ASSESSORS' REPORT.

To the Taxpayers of the City of Concord:

The board of assessors submit to your consideration the following facts and figures showing the valuation of the city and its school districts and special precincts, with the amount of taxes raised in each and returned to the tax collector for collection.

The appeal of the Boston & Maine Railroad from the taxation of materials which were to be used in the shops in this city (the shops being taxed and not included in the matter of appeal) was decided adversely to the city. The contention of the railroad is that neither the City of Concord nor the State of New Hampshire should tax the materials, and the matter is now before the supreme court in an action brought by Attorney-General James P. Tuttle as to whether said materials shall be taxed by the State Tax Commission.

The supreme court of Massachusetts in a case embodying the same facts as the case of taxation of the funds held by the trustees of the estate of Mary Baker G. Eddy ruled that the domicile of the testator governed as to where the property should be taxed, and the funds were all taxed in this city for 1916. As they consist largely of taxable bonds, the amount will necessarily vary each year as the trustees convert them into non-taxable securities as rapidly as possible.

In the following report is a table of the amount raised for the years from 1906 to the present time which shows the increased amount spent by the city and the reason for an increased tax.

TABULATION OF WARRANTS SUBMITTED FOR ASSESSMENT,
VALUATION OF CITY AND PRECINCTS WITH
RATE FOR EACH IN 1916.

WARRANT.	Amount of warrants.	Tax rate per \$1,000.	Assessed valuation of city and precincts.
State	\$45,517 50		
County	34,716 50		
School required by law	45,517 50	\$10.80	\$19,812,975
City	85,000 00		
Extra for schools:			
Union	91,969 60	5 50	16,979,930
Town	4,991 00	3 90	1,310,030
Penacook { No. 20	1,023 00	.50	1,513,315
{ Union*	10,170 00	5 30	2,005,335
Precincts:			
Sprinkling	8,000 00	55	14,423,425
Garbage	9,000 00	.65	13,805,820
Sewer	10,750 00	.70	15,257,775
Lights	18,900 00	1 15	16,138,175
Penacook lights	1,500 00	.95	1,541,065
Penacook sprinkling	425 00	35	1,084,990
Penacook sewer	825 00	.70	1,190,565
West Concord lights	700 00	.70	988,118
West Concord sewer	63 00	.02	347,983
St. Paul's School sewer	50 00	.03	153,770

*Penacook Union School paid in part by town of Boscawen.

Number of shares of railroad stock held here on which the tax was assessed and collected by state of New Hampshire and credited to this city.

RAILROAD.	1913.	1914.	1915.	1916.
Boston & Lowell.....				5
Boston & Maine.....	398	379	380	357
Concord & Montreal.....	9,775	9,866	9,935	9,614
Concord & Portsmouth.....	118	124	107	107
Connecticut River.....	342	342	342	.....
Dover, Somersworth & Rochester Street.....			468	468
Fitchburg.....	27	27	27	27
Manchester & Lawrence.....	365	371	373	378
Nashua & Lowell.....	16	16	6	6
Nashua Street.....	497	488	477	484
New Boston.....	72	72	72	72
Northern.....	1,205	1,137	1,236	1,239
Peterborough.....	8	8	8	8
Pemigewasset Valley.....	168	133	168	168
Suncook Valley.....	46	46	51	49
Wilton.....	5	5	4	4

INVENTORY OF THE CITY OF CONCORD.

	No.	Valuation.
Polls,	5,779	\$11,558
Improved and unimproved land and buildings,		16,220,065
Horses,	1,178	134,485
Oxen,	32	3,125
Cows,	1,180	61,100
Other neat stock,	182	6,675
Sheep,	94	765
Hogs,	117	1,960
Fowls,	840	845
Carriages and Automobiles,		333,290
Portable Mills,		1,300
Fur bearing animals,	15	7,500
Boats and launches,		1,975
Wood and lumber,		15,450
Stock in public funds,		986,155
Stock in banks,		248,620
Money on hand, at interest, or on deposit,		262,040
Stock in trade,		1,397,275
Milling, carding machines, and factories and their machinery,		120,650
Total,		<u>\$19,803,275</u>

Amount of taxes committed to tax collector, \$382,352.47.

Average rate per cent of taxation for all purposes, \$1.87+.

POLLS, VALUATION, AND TAXES ASSESSED.

The number of polls, and the tax assessed on the real and personal estate of Concord since 1906:

Year.	Polls.	Valuation.	Tax.
1906	5,474	11,768,897	260,976.67
1907	5,757	12,114,322	273,045.74
1908	5,289	12,342,190	277,469.52
1909	5,442	12,405,465	301,281.72
1910	5,576	12,543,822	278,464.77
1911	5,784	12,507,847	296,074.27
1912	5,691	18,701,591	316,117.69
1913	5,687	20,842,846	305,460.56
1914	5,735	19,177,428	316,447.67
1915	5,806	20,086,789	339,781.64
^{1916.}			
Ward 1	592	\$1,597,140	\$28,975.09
2	211	555,670	8,888.93
3	359	1,275,510	21,375.57
4	1,050	3,338,350	64,106.86
5	670	4,459,230	86,276.98
6	916	2,467,195	47,741.37
7	1,097	2,817,000	51,145.34
8	351	2,567,085	48,002.76
9	533	726,095	13,516.72
		<hr/>	<hr/>
	5,779	\$19,803,275	\$370,029.62
Non-resident,			764.85
			<hr/>
			\$370,794.47

LIST OF POLLS, VALUATIONS AND THE TAX ASSESSED IN
EACH WARD, 1915 AND 1916.

WARDS.	Polls.		Valuation.		Resident tax assessed.	
	1915.	1916.	1915.	1916.	1915.	1916.
Ward 1.	597	592	\$1,590,490	\$1,597,140	\$26,013 70	\$28,975 09
Ward 2.	219	211	532,705	555,670	6,898 28	8,888.93
Ward 3.	367	359	1,254,110	1,275,510	18,339 78	21,375 57
Ward 4.	996	1,050	3,296,938	3,338,350	55,513 65	64,106 86
Ward 5.	685	670	4,800,031	4,459,230	81,587 44	86,276 98
Ward 6.	949	916	2,347,530	2,467,195	39,908 05	47,741 37
Ward 7.	1,105	1,097	3,096,725	2,817,000	48,255 42	51,145.34
Ward 8.	347	351	2,457,575	2,567,085	39,725 48	48,002 76
Ward 9.	541	533	710,685	726,095	11,361 66	13,516 72
Totals.	5,806	5,779	\$20,086,789	\$19,803,275	\$327,603 46	\$370,029 62

Totals submitted to tax collector:	
In 1915—Resident tax-list,	\$327,603.46
Non-resident tax-list,	566.18
Polls,	11,612.00
<hr/>	
Total,	\$339,781.64
In 1916—Resident tax-list,	\$370,029.62
Non-resident tax-list,	764.85
Polls,	11,558.00
<hr/>	
Total,	\$382,352.47

Respectfully submitted,

JOSEPH E. SHEPARD.

JAMES H. MORRIS.

MICHAEL H. DONOVAN.

REPORT OF TAX COLLECTOR.

To the Board of Aldermen:

The undersigned herewith submits the annual report of the Collector of Taxes to the close of business December 31, 1916.

TAX LEVY, 1912.

Resident list,	\$315,382.43	
Additions and corrections,	2,128.95	
	<hr/>	\$317,511.38
Non-resident list,		735.26
Received collection for moths,		172.50
Received interest,		655.02
		<hr/>
		\$319,074.16
Cash paid treasurer,	\$311,780.61	
Amount abated,	7,021.17	
Amount refunded,	19.19	
Uncollected,	253.19	
	<hr/>	\$319,074.16

TAX LEVY, 1913.

Resident list,	\$304,820.42	
Additions and corrections,	1,205.51	
	<hr/>	\$306,025.93
Non-resident list,		640.16
Received collections for moths,		157.45
Received interest,		1,017.16
		<hr/>
		\$307,840.70
Cash paid treasurer,	\$299,838.55	
Amount discounts,	3,123.68	
Amount abated,	4,591.33	
Uncollected,	287.14	
	<hr/>	\$307,840.70

TAX LEVY, 1914.

Resident list,	\$304,363.00	
Amount of poll taxes,	11,470.00	
Additions and corrections,	940.33	
	<hr/>	\$316,773.33
Non-resident list,		613.93
Collected, moth account,		154.95
Collected, interest,		1,036.56
		<hr/>
		\$318,578.77
Cash paid treasurer,	\$309,822.81	
Amount discounts,	3,388.73	
Amount abated,	4,374.42	
Amount refunded,	10.02	
Uncollected,	982.79	
	<hr/>	\$318,578.77

TAX LEVY, 1915.

Resident list,	\$339,215.46	
Additions and corrections,	713.41	
	<hr/>	\$339,928.87
Non-resident list,		566.18
Collected, moth account,		193.78
Collected, interest,		894.02
		<hr/>
		\$341,582.85
Cash paid treasurer,	\$314,345.62	
Amount, discounts,	3,119.08	
Abatements:		
(Ordinary),	\$3,142.39	
(By order of court),	16,662.76	
	<hr/>	19,805.15
Uncollected,	4,313.00	
	<hr/>	\$341,582.85

TAX LEVY, 1916.

Resident list,	\$370,029.62	
Amount of poll taxes,	11,558.00	
Additions and corrections,	360.78	
	<hr/>	\$381,948.40
Non-resident list,		764.85
Collected, moth account		178.20
Collected, interest,		48.97
		<hr/>
		\$382,940.42
Cash paid treasurer,	\$336,900.00	
Amount discounts,	3,747.90	
Amount abated,	1,872.89	
Amount cash on hand,	204.99	
Uncollected,	40,214.64	
	<hr/>	\$382,940.42

Taxes sold the City of Concord in the office of the collector for redemption:

1912.

Amount,	\$1,186.96	Paid treasurer,	\$966.26
Interest,	122.74	Uncollected,	343.44
	<hr/>		<hr/>
	\$1,309.70		\$1,309.70

1913.

Amount,	\$1,811.71	Paid treasurer,	\$1,366.35
Interest,	84.48	Uncollected,	529.84
	<hr/>		<hr/>
	\$1,896.19		\$1,896.19

1914.

Amount,	\$1,228.92	Paid treasurer,	\$566.71
Interest,	18.21	Uncollected,	680.42
	<hr/>		<hr/>
	\$1,247.13		\$1,247.13

1915.

Amount,	\$687.48	Paid treasurer,	\$349.65
Interest,	11.22	Uncollected,	349.65
	<hr/>		<hr/>
	\$698.70		\$698.70

Taxes sold the City of Concord, N. H., for redemption as turned over by Mr. Ladd, former collector:

For the years 1902 and 1903,	\$134.34
For the year 1904,	129.45
For the year 1905,	207.96
For the year 1906,	210.53

1907.

Amount,	\$539.65	Paid treasurer,	\$91.15
Interest,	39.36	Uncollected,	487.86
	<hr/>		<hr/>
	\$579.01		\$579.01

1908.

Amount,	\$258.14	Paid treasurer,	\$86.51
Interest,	34.12	Uncollected,	205.75
	<hr/>		<hr/>
	\$292.26		\$292.26

1909.

Amount,	\$402.20	Paid treasurer,	\$168.05
Interest,	29.90	Uncollected,	264.05
	<hr/>		<hr/>
	\$432.10		\$432.10

1910.

Amount,	\$837.17	Paid treasurer,	\$128.74
Interest,	40.77	Uncollected,	749.20
	<hr/>		<hr/>
	\$877.94		\$877.94