

WATER DEPARTMENT.

1907.

BOARD OF WATER COMMISSIONERS.

CHARLES R. CORNING, Mayor, *ex officio*.

EDSON J. HILL,	to March 31, 1911.
GEORGE D. B. PRESCOTT,	to March 31, 1911.
HARRY H. DUDLEY,	to March 31, 1910.
NATHANIEL E. MARTIN,	to March 31, 1910.
SOLON A. CARTER,	to March 31, 1909.
HARLEY B. ROBY,	to March 31, 1909.
HENRY C. HOLBROOK,	to March 31, 1908.
HENRY E. CONANT,	to March 31, 1908.

SOLON A. CARTER, *President*.

EDSON J. HILL, *Clerk of Board*.

SUPERINTENDENT.

V. C. HASTINGS.

Died March 14, 1907.

P. R. SANDERS.

Elected March 18, 1907.

CLERK.

ALICE G. COCHRAN.

FOREMAN.

JAMES T. DAVIS.

INSPECTOR.

HARRY E. STEVENS.

ENGINEER.

HENRY A. ROWELL.

CONCORD WATER BOARD.

Date of election and length of service of members.

Abraham G. Jones, *ex officio*, 1872—three months.
John M. Hill,* 1872–1878.
Benjamin A. Kimball, 1872–1878.
Josiah Minot,* 1872. Resigned Jan. 10, 1874.
David A. Ward,* 1872–1874.
Edward L. Knowlton,* 1872. Resigned Sept. 25, 1875.
Benjamin S. Warren,* 1872–1873.
John Kimball, *ex officio*, 1872–1876.
John Abbott,* 1873–1876.
John S. Russ,* 1874–1877.
Abel B. Holt,* 1874–1877.
Samuel S. Kimball,* 1875. Resigned July 1, 1891.
Geo. A. Pillsbury,* *ex officio*, 1876–1878.
Luther P. Durgin,* 1876–1885.
John Kimball, 1877. Resigned July 1, 1891.
William M. Chase, 1877. Resigned July 1, 1891.
Horace A. Brown,* *ex officio*, 1878–1880.
James L. Mason,* 1878–1893.
James R. Hill,* 1878. Died 1884.
Geo. A. Cummings,* *ex officio*, 1880–1883.
Edgar H. Woodman,* *ex officio*,
1883–1887.
Joseph H. Abbot,* 1884–1893.
George A. Young,* 1885–1894.
John E. Robertson, *ex officio*, 1887–1889.
Stillman Humphrey,* *ex officio*,
1889–1891.
Henry W. Clapp,* *ex officio*, 1891–1893.
Willis D. Thompson, 1891–1895.
William P. Fiske, 1891–1902.

* Deceased.

James H. Chase,*	1891. Died in 1893.
John Whitaker,*	1892. Died in 1903.
Henry E. Conant,	1892. Resigned Jan. 8, 1895.
Parsons B. Cogswell,* <i>ex officio</i> ,	1893-1895.
Solon A. Carter,	1893. Now in office.
Frank D. Abbot,	1893-1901.
William M. Mason,	1893-1899.
William E. Hood,	1894-1902.
Henry Robinson, <i>ex officio</i> ,	1895-1897.
Ebenezer B. Hutchinson,	1895. Resigned Jan. 10, 1899.
Edson J. Hill,	1895. Now in office.
Albert B. Woodworth, <i>ex officio</i> ,	1897-1899.
Nathaniel E. Martin, <i>ex officio</i> ,	1899-1901.
Henry E. Conant,	1899. Now in office.
Timothy P. Sullivan,	1899. Resigned May 14, 1901.
Harry G. Sargent, <i>ex officio</i> ,	1901-1903.
Obadiah Morrill,	1901-1905.
George D. B. Prescott,	1901. Now in office.
Harry H. Dudley,	1902. Now in office.
Nathaniel E. Martin,	1902. Now in office.
Charles R. Corning, <i>ex officio</i> ,	1903. Now in office.
Henry C. Holbrook,	1903. Now in office.
Harley B. Roby,	1905. Now in office.

PRESIDENTS OF THE BOARD.

Josiah Minot,*	1872. Resigned Jan. 10, 1874.
Benjamin A. Kimball,	1874-1875.
Edward L. Knowlton,*	1875. Resigned Sept. 25, 1875.
John Kimball,	1875-1876.
Benjamin A. Kimball,	1876-1878.
John Kimball,	1878. Resigned July 1, 1891.
William P. Fiske,	1891-1902.
Solon A. Carter,	1902. Now in office.

SUMMARY OF STATISTICS.

CONCORD, NEW HAMPSHIRE, WATER-WORKS.

Population of the city by census of 1900,	19,632
Population of that portion of the city included within the water precinct, estimated,	17,000
Date of construction, 1872.	

Works are owned by the city.

Source of supply, Penacook Lake, a natural body of water containing 265 acres, situated about three and one-half miles from the state house, and about 125 feet higher than Main Street in front of the state house.

Mode of supply, gravity and pumping to reservoir.

CONSTRUCTION.

Cost of land damages, flowage and water rights:

Paid B. F. & D. Holden, for water rights,	\$60,000.00
Concord Manufacturing Co., for water rights,	83,000.00
W. P. Cooledge, for mill privilege and land,	5,500.00
Humphrey & Farnum, for kit-shop privilege,	4,900.00*
flowage rights around Penacook Lake,	4,375.61
W. P. Cooledge, Hutchins lot,	1,050.00†
Mary C. Rowell, for land,	1,500.00
Moses H. Bradley, for land,	5,000.00
Joseph B. Walker, for land,	2,214.00
John G. Hook, for land,	370.00
A. S. Ranney, for land,	1,350.00
Alfred Roberts, for land,	1,275.00
Charles E. Ballard, for land,	2,500.00
Mary G. Carter, for land,	1,250.00
Elizabeth Widmer, for land,	1,564.50
A. L. Proctor, for land,	450.00
Robert Crowley, for land,	3,000.00
Miles Hodgdon, for land,	2,200.00
heirs of Lowell Brown, for land,	1,032.55
Coffin & Little, for land,	800.00
O. F. Richardson, for land,	100.00
M. H. & C. R. Farnum, for land,	4,500.00
Cook & Hood, for land,	1,750.00

* Original cost \$5,000; land sold for \$100.

† Original cost house and lot, \$2,250; portion of lot sold for \$1,200.

Paid Charles H. Farnum, for land,	\$1,410.36
Fred N. Ladd, for land,	300.00
A. W. Hill, for land,	6,500.00
Helen G. Evans and others, for land,	2,000.00
Frank B. Kilburn, for land,	2,500.00
Joseph A. and Mary E. Hal- loran, for land,	600.00
C. H. Amsden, water and flow- age rights,	5,000.00
Cost of property and rights of Tor- rent Aqueduct Association,	20,000.00
dam, gate-house and appur- tenances,	30,756.17
conduit and gate-houses,	29,484.05
mains (low service main and pump main from the dam to Penacook Street, force main from the pump to the reser- voir, fire main through North and South Main Streets, and high service main from Pen- acook Street to Stark Street, Penacook),	182,241.70
distribution pipe,	355,383.24
service pipe,	51,553.18
reservoir,	42,460.09
pumping station, shop, stable and storehouse,	22,000.00
pumping machinery,	17,000.42
engineering and superintend- ence,	14,913.12
incidentals,	6,531.19
Cost of works January 1, 1908,	<hr/> \$980,315.18

Bonds of the city have been issued to pay a part of said cost, of which the following are still outstanding:

When due.	Rate.	Amount.
Jan. 1, 1908,	4,	\$10,000.00
Jan. 1, 1909,	4,	10,000.00
Jan. 1, 1910,	4,	5,000.00
Jan. 1, 1910,	3,	5,000.00
Jan. 1, 1911,	4,	5,000.00
Jan. 1, 1911,	3,	5,000.00
April 1, 1912,	3½,	10,000.00
Jan. 1, 1913,	4,	10,000.00
Jan. 1, 1914,	4,	10,000.00
Jan. 1, 1915,	4,	10,000.00
Jan. 1, 1916,	4,	10,000.00
Jan. 1, 1917,	4,	10,000.00
Jan. 1, 1918,	4,	10,000.00
Jan. 1, 1919,	4,	10,000.00
Jan. 1, 1920,	3,	10,000.00
Jan. 1, 1921,	3,	5,000.00
April 1, 1921,	3½,	5,000.00
Jan. 1, 1922,	4,	400,000.00
March 1, 1922,	3½,	20,000.00
April 1, 1922,	3½,	30,000.00
Jan. 1, 1923,	3½,	15,000.00
Jan. 1, 1924,	3½,	15,000.00
		<hr/>
		\$620,000.00

REPORT OF WATER COMMISSIONERS.

OFFICE OF THE BOARD OF WATER COMMISSIONERS,
CONCORD, N. H., January 31, 1908.

To His Honor the Mayor and the City Council:

The Board of Water Commissioners respectfully submits the following report of the operations of this department for the year 1907, accompanied by the detailed reports of the superintendent and engineer of the pumping station, which are made a part of this report.

By the death of V. C. Hastings, superintendent of the system from its installation, the city has sustained the loss of a zealous and efficient public servant, and the board the services of a wise and conscientious adviser, counsellor and friend.

We have caused to be spread upon the records of the board an expression of our regard for the late superintendent, and our appreciation of his valuable services, and take this opportunity to supplement that action by this acknowledgment of his faithful performance of the duties of the position so long and acceptably filled.

Upon the death of Mr. Hastings, the board unanimously promoted to the position of superintendent, Mr. Percy R. Sanders, who for several years had served under the former superintendent, and we have thus far had no occasion to regret our action.

The report of the superintendent exhibits in detail the work of the year in the reconstruction of the system.

Contracts have been made upon very favorable terms for material with which to continue this work, and it is confidently expected that the coming season will witness the completion (substantially) of the work of substituting cast-iron pipe of increased capacity for all the cement-lined pipe of the original system.

From time to time, the Board has acquired the title to lands bordering upon Penacook Lake, with a view to the protection of the source of our supply from pollution.

We now own more than three hundred acres, and have commenced in a modest way to improve conditions by cleaning up the undergrowth on tracts partially or wholly covered by growing timber, and planting pine and chestnut on other tracts.

The progress in this direction will necessarily be slow and the results will not be immediately appreciated, but we believe will prove satisfactory in the future.

Respectfully submitted,

EDSON J. HILL,
GEORGE D. B. PRESCOTT,
HARRY H. DUDLEY,
NATHANIEL E. MARTIN,
SOLON A. CARTER,
HARLEY B. ROBY,
HENRY C. HOLBROOK,
HENRY E. CONANT,
CHARLES R. CORNING, *ex officio*,
Water Commissioners.



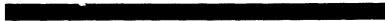
VOLENTINE CHARLES HASTINGS ·

BORN AT WATERFORD, VT., FEB. 26, 1838.

DIED AT CONCORD, N. H., MARCH 14, 1907.

SUPERINTENDENT OF CONCORD WATER-WORKS.

May 1, 1873, to March 14, 1907.



The following resolutions were unanimously adopted by the Board of Water Commissioners on March 18, 1907 :

WHEREAS, In the death of Volentine Charles Hastings, which occurred at his home on the 14th day of the month, the City of Concord has lost an old, faithful and trust-worthy official; his tenure of office was unusual and remarkable; for a generation or longer Mr. Hastings had served the city as superintendent of water-works; beginning his work as an inspector at the time of the construction of the works, he knew thoroughly the history and needs of our water system and, therefore, naturally assumed the responsibilities of superintendent.

From the small income and the limited area of consumers of 1873, he has seen the system extended and enlarged beyond all expectation under his directing hand and sound judgment; his life was absorbed in his trust; he saw in his daily work his highest duty; he served Concord long and well; therefore be it

Resolved, That the Board of Water Commissioners hereby express their deep sense of loss at the death of Superintendent Hastings, and tender to his family their sincere condolences.

Resolved, That these resolutions be spread upon the records of the Board and a copy sent to Mrs. Hastings.

REPORT OF THE SUPERINTENDENT.

To the Board of Water Commissioners:

I herewith present to you the thirty-sixth annual report of the operations of this department, showing the receipts, expenditures and abatements, together with a statement of extensions and improvements made during the year ending December 31, 1907.

RECEIPTS.

For water, from consumers by fixed rates,	\$29,193.45	
water, from consumers by meter rates,	43,720.20	
From delinquents,	86.84	
For water used for building purposes,	151.38	
hay and apples sold,	35.00	
pipe and stock sold and labor,	307.21	
old brass and iron sold,	203.61	
old lumber sold,	80.00	
horse sold,	70.00	
		————— \$73,847.69
Deduct abatements,		65.05
		—————
Net receipts for 1907,		\$73,782.64

EXPENDITURES.

GENERAL EXPENSES.

Paid pay-rolls, salaries and labor,	\$11,326.88
S. G. Sanborn, rent of shop in Penacook,	24.00
Ira C. Evans Co., printing and postage,	154.42

Paid Rumford Printing Co., books,	\$7.00
E. C. Eastman, office supplies,	5.75
Frank P. Mace, office supplies,	3.95
Library Bureau, office supplies,	3.75
George R. Pearce, office supplies,	1.40
George E. Carter, office supplies,	1.05
Concord Electric Co., lighting,	13.16
Concord Light & Power Co., lighting,	1.96
N. E. Telephone & Telegraph Co., telephones,	90.90
N. A. Dunklee, hack hire,	8.00
H. T. Corser, hack hire,	3.00
W. A. Thompson, rubber boots and mittens,	20.00
John C. Thorne, rubber boots,	11.00
C. F. Nichols, framing plan,	13.80
W. G. C. Kimball, portrait,	11.00
Thompson & Hoague Co., hardware,	58.66
A. H. Britton & Co., hardware,	31.56
W. L. Jenks & Co., hardware,	10.93
Joseph T. Walker, hay,	74.34
Holt Bros. Mfg. Co., dray,	150.00
G. N. Bartemus & Co., grain,	135.36
D. Waldo White, grain and straw,	49.85
H. H. Crowell, slab wood,	12.00
E. B. Morse, horse,	250.00
M. F. Bickford, use of horse,	16.00
Tragle Cordage Co., jute packing,	57.48
Page Belting Co., grease and washers,	2.49
Batchelder & Co., oil, etc.,	49.18
C. H. Martin & Co., naphtha, etc.,	19.72
National Paint & Varnish Co., paint,	18.00
Geo. Abbott, Jr., paint,	7.97
Woodworth & Co., cement,	9.00

Paid C. F. Burchsted, veterinary services,	\$16.50
R. J. Macguire, veterinary services,	6.65
R. D. Wood & Co., cast-iron pipe and hydrants,	11,920.61
Builders Iron Foundry, castings,	66.50
Ford & Kimball, coke and castings,	69.97
Concord Foundry & Machine Co., castings,	20.34
Ludlow Valve Mfg. Co., gates and hydrants,	983.15
Coffin Valve Co., hydrants,	225.50
Rensselaer Mfg. Co., hydrants,	184.00
Portsmouth Heating & Plumbing Co., gate,	15.00
Chadwick-Boston Lead Co., pig lead and lead pipe,	708.53
Richards & Co., pig lead,	273.08
New York Lead Wool Co., lead wool,	12.50
J. H. Cunningham Co., valve boxes and wrought-iron pipe and fittings,	268.46
Geo. E. Gilchrist Co., wrought-iron pipe and tools,	68.15
Hays Mfg. Co., valve boxes,	200.38
H. Mueller Mfg. Co., brass goods,	218.49
Walworth Mfg. Co., brass goods and tools,	52.07
Harold L. Bond & Co., tools,	17.54
Wm. B. Durgin Co., hose,	25.00
Walton Self-Locking Block Co., tackle blocks,	9.50

Paid G. S. Milton & Co., meter and fittings,	\$6.63
Orr & Rolfe, fittings,	5.77
Hersey Mfg. Co., meters and repairs,	526.39
Thomson Meter Co., meters and repairs,	311.23
Union Water Meter Co., meters,	54.00
Henry R. Worthington, meters,	43.20
National Meter Co., repairs,	80.35
Globe Horseshoeing Shop, smith-work,	101.60
Ross W. Cate, smith-work,	25.90
A. F. Gross, smith-work,	2.50
Rowell & Plummer, mason-work,	20.63
George D. Huntley, repairs,	35.35
Abbot-Downing Co., repairs,	47.25
C. Pelissier & Co., repairs and supplies,	24.15
George L. Theobald, team-work,	145.33
H. M. Richardson, team-work,	15.21
Concord Lumber Co., team-work,	4.00
Hutchinson Building Co., lumber and labor,	86.44
J. H. Rowell & Co., repairing concrete,	46.50
city highway department, repairing streets,	6.56
Engineering News,	5.00
Morrill & Danforth, insurance and bond,	268.95
Eastman & Merrill, insurance,	9.00
Boston & Maine Railroad, freight,	1,049.72
J. A. and M. J. Halloran, land,	600.00

Paid town of Webster, taxes,	\$56.00	
estate of V. C. Hastings, trans- actions of N. E. Water Works Assn.,	74.50	
A. G. Cochran, clerk, cash paid out, car fares, postage, ex- press, etc.,	116.22	
Northern Provision Co.,	40.67	
incidentals,	14.25	
		\$31,838.78

PUMPING STATION EXPENSES.

Paid pay-rolls, engineer and fire- man,	\$1,600.00
labor on fuel,	54.00
F. E. Gilford, coal,	350.14
Andersen Coal Mining Co., coal,	269.02
Boston & Maine Railroad, freight on coal,	687.21
H. H. Crowell, slab wood,	42.00
Vacuum Oil Co., oil,	33.75
Eagle Oil and Supply Co., packing and glasses,	64.15
Revere Rubber Packing Co., packing,	17.25
Garlock Packing Co., packing,	10.97
N. E. Roller Gate Co., grate bars,	40.05
Rowell & Plummer, mason-work,	29.05
Orr & Rolfe, pipe and fittings,	3.47
Lee Bros., fittings,	1.40
Concord Foundry & Machine Co., castings,	6.53
Thompson & Hoague Co., sup- plies,	21.20
W. L. Jenks & Co., supplies,	2.20
Concord Light & Power Co., lighting,	10.08

WATER DEPARTMENT.

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Paid N. E. Telephone & Telegraph Co., telephone,	\$36.00	
incidentals,	2.77	
		\$3,281.24

Total expenditures for 1907, \$35,120.02
 The expenditures are divided as follows:

GENERAL EXPENSES.

For care and maintenance,	\$2,835.69	
office expenses,	1,032.64	
inspection,	705.00	
care and repair of hydrants,	747.00	
repairs on cement-lined pipe,	25.45	
new service pipes,	1,500.83	
new distribution pipes,	20,702.47	
new hydrants,	1,203.24	
meter account,	1,110.00	
removing buildings and cleaning shores at Penacook Lake,	445.31	
work on wood lots at Penacook Lake,	185.23	
land at Penacook Lake,	600.00	
incidentals,	745.92	
		\$31,838.78

PUMPING STATION EXPENSES.

For salaries, engineer and fireman,	\$1,600.00	
fuel,	1,402.37	
oil and packing,	140.77	
repairs,	80.50	
supplies,	11.52	
lighting and telephone,	46.08	
		\$3,281.24

EXTENSIONS AND IMPROVEMENTS.

Cast-iron main and distribution pipes have been laid and hydrants set during the year as follows:

In West Street,

west from South State Street to Broadway, 1,771 feet 12-inch pipe in place of 6-inch cement-lined pipe discontinued.

In South Street,

south from Clinton to Noyes Street, 1,054 feet 12-inch pipe in place of 6-inch pipe discontinued.

In Broadway,

south from West to Allison Street, 834 feet 12-inch pipe in place of 6-inch pipe discontinued.

In Washington Street,

west from North State to Rumford Street, 1,350 feet 10-inch pipe in place of 6-inch cement-lined pipe discontinued.

In West Street,

west from South Main to South State Street, 560 feet 10-inch pipe in place of 6-inch cement-lined pipe discontinued.

In South Main Street,

continued south from near Pillsbury Street to near Maitland Street, 400 feet 10-inch pipe in place of 6-inch iron and cement-lined pipe discontinued.

In Centre Street,

west from North Main to North State Street, 610 feet 8-inch pipe in place of 8-inch cement-lined pipe discontinued.

In Lyndon Street,

north from Franklin to Church Street, 484 feet 8-inch pipe in place of 4-inch cement-lined pipe discontinued.

In Church Street,

at Lyndon Street, 21 feet 8-inch pipe in place of 4-inch cement-lined pipe discontinued.

In Dunklee Street,

north from Pillsbury to West Street, 1,167 feet 6-inch pipe.

In North Spring Street,

north from Centre to Washington Street, 855 feet 6-inch pipe in place of 6-inch cement-lined pipe discontinued.

In Lyndon Street,

north from Washington to Beacon Street, 631 feet 6-inch pipe in place of 4-inch cement-lined pipe discontinued.

In Montgomery Street,

west from North Main to North State Street, 630 feet 6-inch pipe in place of 4-inch cement-lined pipe discontinued.

In Church Street,

east from Rumford to Jackson Street, 609 feet 6-inch pipe in place of 4-inch cement-lined pipe discontinued.

In Union Street,

north from Maple to Washington Street, 604 feet 6-inch pipe in place of 4-inch cement-lined pipe discontinued.

In Railroad Street,

north from Chandler Street to Hill's Avenue, 584 feet
6-inch pipe in place of 4-inch cement-lined pipe dis-
continued.

In Park Street,

west from North Main to North State Street, 529 feet
6-inch pipe in place of 4-inch cement-lined pipe dis-
continued.

In Maple Street,

west from Union to North Spring Street, 350 feet
6-inch pipe in place of 4-inch cement-lined pipe
discontinued.

In Hill's Avenue,

west from Railroad to South Main Street, 254 feet
6-inch pipe in place of 4-inch cement-lined and iron
pipe discontinued.

In Blake Street,

west from North State Street, 225 feet 6-inch pipe;
50 feet 4-inch pipe discontinued.

In Humphrey Street,

east from South Street, 93 feet 6-inch pipe.

In Jackson Street,

north from Washington Street, 78 feet 6-inch pipe in
place of 4-inch pipe discontinued.

In Maple Street, Penacook,

west from High to Pleasant Street, 327 feet 6-inch
pipe; 214 feet 4-inch pipe discontinued.

In Centre Street, Penacook,

extended south, 98 feet.

On connections,

39 feet 6-inch pipe in place of 4-inch cement-lined pipe discontinued.

On hydrant branches,

302 feet 6-inch pipe; 37 feet 6-inch cement-lined and 12 feet 4-inch iron pipe discontinued.

Also, 517 feet of 1-inch pipe; 282 feet of 1-inch pipe discontinued.

Seventeen new hydrants have been set as follows:

On Lyndon Street at Abbott.

On North Spring Street at Maple.

On Ridge Road opposite J. B. Campbell's.

On Montgomery Street opposite Mrs. Geo. Minot's.

On Park Street at St. Paul's Church.

On Blake Street at J. D. Bridge's.

On Wall Street at Elm.

On Concord Street at South.

On Railroad Street at Ford & Kimball's.

On West Street at Mills.

On Dunklee Street, 150 feet south of West.

On Dunklee Street at Allison.

On Broadway at H. H. Metcalf's.

On Broadway at Rollins Park.

On Broadway at McKinley.

On Stone Street, 300 feet east from Bow.

On Maple Street, Penacook, at Pleasant.

There have been set 39 gates; discontinued, 23.

SUMMARY OF THE FOREGOING.

NEW PIPES, HYDRANTS AND STOP-GATES.

<i>Pipes.</i>		<i>Hydrants.</i>		<i>Stop-Gates.</i>	
1-in.,	517 feet.	In city,	16	4-in.,	1
6-in.,	7,375 "	In Penacook,	1	6-in.,	33
8-in.,	1,115 "			8-in.,	1
10-in.,	2,310 "			10-in.,	2
12-in.,	3,659 "			12-in.,	2
	<hr/> 14,976 feet.		<hr/> 17		<hr/> 39
equal to 2.836 miles.					

PIPES AND STOP-GATES DISCONTINUED.

<i>Pipes.</i>		<i>Stop-Gates.</i>	
1-in.,	282 feet.	4-in.,	14
4-in.,	4,879 "	6-in.,	9
6-in.,	6,417 "		
8-in.,	600 "		
	<hr/> 12,188 feet.		<hr/> 23
equal to 2.308 miles.			

Total length of main and distribution pipes now in use, 351,456 feet, equal to 66.56 miles.

Total number of hydrants now in use, 356.

Total number of gates now in use, 909.

SERVICE PIPES.

There have been laid during the year and connected with the main pipes, 38 service pipes consisting of

35	¾-inch,	794 feet.
2	6-inch,	72 feet.
1	10-inch,	24 feet.
<hr/>		<hr/>
38		890 feet.

There have been discontinued, 7; whole number in use at the present time, 3,590; total length of service pipes, 83,319 feet or 15.78 miles. We have placed 210 service boxes at the curb on old services and in relaying the street pipes, we relaid 60 services.

We have set 57 meters during the year; 3 have been removed, making the total number now in use, 1,493.

The following table shows the height of water in Penacook Lake on the first day of each month:

January,	182.00	July,	184.00
February,	182.40	August,	184.40
March,	182.20	September,	183.40
April,	183.00	October,	184.00
May,	184.00	November,	184.60
June,	184.10	December,	185.00

The lowest point reached during the year was on January 1 and March 19, being 182; the highest was on December 11 and was 185.10; mean height for the year was 183.59, which was .35 foot lower than the mean height for the year 1906.

The work of the department for the year has been carried along the usual lines. During the winter our force was employed in caring for and inspecting hydrants and meters and repairing an occasional leak. All of the hydrants have been tested once a week, beginning December 1 and continuing until the middle of March.

In the spring the buildings on the W. H. Johns lot were removed, which resulted in a great improvement in the appearance of that section of our shores.

The work of relaying the cement-lined pipes was done as laid out by your board, new hydrants were set in place of old ones, and a number of new ones added. The services were thoroughly cleaned along the lines relaid, new pipes being put in when necessary and curb valves set on all services where it was possible.

Your Board has voted to relay in 1908 the following streets: Church, Franklin, Tremont, Pearl, Chapel, Court, Jackson, Academy, Essex, Merrimack, Centre, School, South Fruit, Allison, and Hall. When these lines are laid the original cement-lined mains and distribution pipes laid in 1872 will be practically replaced, thereby making our system almost wholly cast-iron, with the exception of those laid in 1883 and 1887.

The Boston & Maine Railroad has been given an extra supply through a 6-inch pipe from Railroad Street opposite the freight depot, thereby greatly improving its service and providing it with a source of supply in case one of its pipes is shut off.

The Crescent Worsted Co. at West Concord has also been given an increased supply for hydrant and sprinkler service, enlarging from four to six inches.

The work of cleaning the shores of the lake was begun as

soon as possible after the completion of the pipe laying, and was continued until cold weather and high water forced us to stop.

Upon the suggestion of the president of your Board, we have planted a few acres of land at Penacook Lake with chestnut, but owing to the scarcity of seed, were unable to do as much as we wished. In November, Mr. Philip W. Ayres, state forester, made an examination of the timber and pasture land around the shores of the lake owned by the water-works, and presented to your Board a very interesting report on thinning, clearing and replanting, which was adopted and will be carried out as fast as possible.

Following this report is appended the engineer's report. The increase in pumping station expenses is accounted for by the fact that coal sufficient for a year's supply was purchased in July, which was deemed advisable owing to the low price prevailing at that time.

In closing this report I wish to pay a brief tribute to my predecessor, Mr. V. C. Hastings. His ability and worth were evident to all who were acquainted with him, and the excellent condition of the works was a constant witness to his good judgment. But those who were with him daily realized more deeply how the welfare of this department was upon his mind all the time clear to the end, and there never came an emergency day or night but that he was ready to meet it successfully. His relations with his subordinates were such as will always be remembered with a great deal of satisfaction.

I wish to thank the members of the Board for their support and confidence during the year, and also all connected with the maintenance of this department for their faithful service.

Respectfully submitted,

PERCY R. SANDERS,
Superintendent.

REPORT OF THE ENGINEER OF THE PUMPING STATION.

PUMPING STATION, CONCORD WATER-WORKS.

P. R. SANDERS, *Superintendent*:

SIR: I would report that the pumping machinery at the pumping station is in good working order.

Following will be found a statement of coal and other supplies used at the pumping station during the year, with a table showing the work for each month:

STATEMENT.

113 tons 1,801 pounds Cumberland coal.
71 tons 1,426 pounds Pocahontas coal.
37 tons, 1,401 pounds Andersen Forge coal.
87 gallons of oil.
53 pounds of waste.
14 cords of slab wood.
10½ pounds of grease.

ENGINE RECORD.

MONTHS.	No. of days pump- ing engine No. 1.			No. of days pump- ing engine No. 2.			Total days pumping.	Total hours pump- ing.	Average time pump- ing.	Total water pumped.	Daily average pumped.	Total coal con- sumed.	Daily average coal consumed.	Total pounds of wood consumed.	*Gallons pumped per pound of coal.
January.....	13	14	27	H. M.	H. M.										
February.....	10	15	25	275:	8:52	23,616,963	761,837	44,690	1,441	2,022	528				
March.....	14	13	27	261:30	9:20	23,192,444	828,301	42,674	1,524	1,018	543				
April.....	12	13	25	277:30	8:57	22,414,975	723,063	41,037	1,323	1,862	546				
May.....	8	19	27	238:	7:56	20,694,765	689,825	38,177	1,272	2,019	542				
June.....	9	16	25	282:30	8:5	22,071,288	711,977	40,453	1,304	2,251	545				
July.....	1	26	27	267:	8:16	23,594,988	761,128	43,186	1,393	1,776	546				
August.....	9	16	25	271:	9:	23,565,910	817,264	41,242	1,472	1,062	571				
September...	10	17	27	289:30	9:9	24,300,752	783,895	45,013	1,452	2,325	539				
October.....	9	16	25	249:30	8:10	20,480,490	682,683	38,378	1,279	2,726	533				
November...	10	17	27	272:	8:23	22,952,324	740,397	43,278	1,396	2,925	533				
December...	17	9	26	241:30	8:3	21,165,090	705,503	41,226	1,374	3,473	513				
Total.....	8	18	26	260:	8:23	21,805,765	703,411	40,314	1,300	2,107	540				
Daily av'ge..	121	193	314	3,185:	269,855,754	739,330	499,668	1,368	25,566				

*Amount of coal consumed includes that used for starting fires, banking fires and heating buildings.

Amount of coal consumed per thousand gallons pumped, 1.85 pounds.

HENRY A. ROWELL,
Engineer.

APPENDIX.

A.

RECEIPTS FOR EACH YEAR SINCE THE CONSTRUCTION OF THE
WORKS.

For the year ending January 31, 1874,	\$4,431.10
For fifteen months ending April 1, 1875,	17,535.00
For the year ending April 1, 1876,	16,921.24
“ “ “ 1877,	19,001.07
“ “ “ 1878,	20,763.03
“ “ “ 1879,	21,869.86
“ “ “ 1880,	22,451.53
“ “ “ 1881,	26,744.58
For nine months ending December 31, 1881,	25,534.01
For the year ending December 31, 1882,	27,243.06
“ “ “ 1883,	28,255.48
“ “ “ 1884,	28,915.65
“ “ “ 1885,	30,222.54
“ “ “ 1886,	30,862.64
“ “ “ 1887,	34,047.52
“ “ “ 1888,	38,441.32
“ “ “ 1889,	40,237.53
“ “ “ 1890,	42,133.41
“ “ “ 1891,	46,075.16
“ “ “ 1892,	48,351.52
“ “ “ 1893,	52,299.66
“ “ “ 1894,	53,230.10
“ “ “ 1895,	55,343.19
“ “ “ 1896,	56,557.81
“ “ “ 1897,	55,156.42
“ “ “ 1898,	59,147.54
“ “ “ 1899,	53,953.13
“ “ “ 1900,	57,003.71
“ “ “ 1901,	62,253.61
“ “ “ 1902,	63,430.85
“ “ “ 1903,	65,088.45
“ “ “ 1904,	68,570.48

WATER DEPARTMENT.

379

For the year ending December 31, 1905,	\$71,076.44
“ “ “ 1906,	73,063.45
“ “ “ 1907,	73,782.64
Total receipts for 35 years,	<u>\$1,489,994.73</u>

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
		1907,	183.59

WATER DEPARTMENT.

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Centre.....	479	245	247	467	1	1	2																					
Charles.....	1777	482	635	150	1	1	3																					
Church.....	482	1777	635	1678	2	2	1																					
Crescent.....	734	2100	8	327	2	2	1																					
Cross.....	734	2100	8	327	2	2	1																					
High.....	2578	57	37	800	8	8	3																					
Main.....	57	1251	37	364	1	1	1																					
Main, West.....	57	1251	37	1846	1	1	2																					
Maple.....	57	1251	37	1846	1	1	2																					
Merrimack.....	57	1251	37	1846	1	1	2																					
Penacook.....	57	1251	37	1846	1	1	2																					
Pine.....	57	1251	37	1846	1	1	2																					
Rolfe.....	57	1251	37	1846	1	1	2																					
Spring.....	57	1251	37	1846	1	1	2																					
Stark.....	529	652	1	1	1	1	1																					
Summer.....	1203	276	1	1	1	1	1																					
Union.....	1193	709	150	261	8	8	1																					
Washington.....	1193	709	150	1080	1	1	2																					
Winter.....	709	55	315	450	1	1	1																					
Hydrant-branches.....	709	55	315	450	1	1	1																					
Blow-Offs.....	709	55	315	450	1	1	1																					
Totals.....	2220	11391	15340	11567	1732	14636	18164	11151	522	28795	1963	2786	19788	13498	88245	16761	92217	32992	6	21	12	4	32	34	74	52	524	150

D
FIRE-HYDRANTS.

STREETS.	LOCATIONS.	Number.	Total.
North Main.	Southwest 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
Railroad.	East side Railroad, opposite Ford & Kimball's.....	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	
South State.	East side South State, opposite Wall.....	1	13
"	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	
"	Northeast corner South State and West.....	1	
"	Southwest corner South State and Harrison.....	1	
Mills.	West side Mills, near Levi Call's.....	1	7
Dakin.	West side Dakin, near C. E. Harriman's.....	1	1
Dunklee.	West side Dunklee, 150 feet south of West.....	1	1
"	Northwest corner Dunklee and Allison.....	1	
"	Northwest corner Dunklee and Pillsbury.....	1	
Broadway.	West side Broadway at H. H. Metcalf's.....	1	3
"	Northwest corner Broadway and Allison.....	1	
"	Northwest corner Broadway and Stone.....	1	
"	West side Broadway at Rollins Park.....	1	
"	West side Broadway, opposite McKinley.....	1	
Green.	Northwest corner Green and Prince.....	1	5
"	East side Green, opposite Prince.....	1	
"	Northwest corner Green and Warren.....	1	
South.	West side South, opposite Wall.....	1	3
"	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 I. W. Bushey's.....	1	
"	Northwest corner South and Rockingham.....	1	
"	East side South, at Quint's.....	1	
"	West side South, near Row line.....	1	
Bradley.	Southwest corner Bradley and Penacook.....	1	11
"	Northwest corner Bradley and Walker.....	1	
"	East side Bradley, opposite Highlands.....	1	
"	Northwest corner Bradley and Franklin.....	1	
Union.	Northwest corner Union and Maple.....	1	4
Jackson.	Northeast corner Jackson and Church.....	1	1
Lyndon.	Southwest corner Lyndon and Tremont.....	1	1
"	East side Lyndon, opposite Abbott.....	1	
North Spring.	Northeast corner North Spring and Maple.....	1	2
"	Southwest corner North Spring and Centre.....	1	
"	East side North Spring, opposite High School.....	1	
South Spring.	Southwest corner South Spring and Oak.....	1	3
"	West side South Spring, opposite Concord.....	1	
"	West side So. Spring, opp Perley proposed extension.....	1	
Rumford.	West side Rumford, south of cemetery gate.....	1	3
"	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	
Tahanto.	Northwest corner Tahanto and School.....	1	8
Pine.	Southwest corner Pine and Centre.....	1	1
"	Southwest corner Pine and Warren.....	1	
Holt.	East side Holt, at Nason's.....	1	2
High.	Northwest corner High and Auburn.....	1	1
"	East side High, opposite Forest.....	1	

FIRE-HYDRANTS.—Continued.

STREETS.	LOCATIONS.	Number.	Total.
High.	Southwest corner High and Franklin.....	1	3
Valley.	Northeast corner Valley and Forest.....	1	1
Auburn.	Northeast corner Auburn and Forest.....	1	1
Ridge Road.	West side Ridge Road, opposite J. B. Campbell's.....	1	1
Giles.	Southeast corner Giles and School.....	1	1
Princeton.	Southwest corner Princeton and Clinton.....	1	1
"	Northwest corner Princeton and Noyes.....	1	2
Fruit.	Northeast corner Fruit and Woodman.....	1	1
"	East side Fruit, opposite W. W. Critchett's.....	1	1
"	East side Fruit, opposite Kilburn's.....	1	3
Minot.	West side Minot, near Odd Fellows' Home.....	1	1
"	West side Minot, near Odd Fellows' Home.....	1	1
"	Northwest corner Minot and Pleasant.....	1	3
Penacook.	South side Penacook, near Concord Lumber Co.....	1	1
"	South side Penacook, east of P. B. Co.'s bark house ..	1	1
"	South side Penacook, near P. B. Co.'s.....	1	1
"	South side Penacook, near P. B. Co.'s office.....	1	1
"	Southeast corner Penacook and North Main.....	1	1
"	Southwest corner Penacook and Rumford.....	1	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	1
"	Northeast corner Church and Rumford.....	1	2
Franklin.	Northwest corner Franklin and Jackson.....	1	1
"	Northeast corner Franklin and Lyndon.....	1	1
"	Southwest corner Franklin and Rumford.....	1	1
"	South side Franklin, opposite W. J. Ahern's.....	1	1
"	Northeast corner Franklin and Auburn.....	1	5
Beacon.	North side Beacon, opposite M. Merrimack School.....	1	1
"	Northwest corner Beacon and Jackson.....	1	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	1
"	North side Ferry, near N. E. Granite Works.....	1	1
"	North side Ferry, east of C. & M. R. R.....	1	1
"	Northwest corner Ferry and Huntoon Avenue.....	1	4
Washington.	North side Washington, opposite Rollins Court.....	1	1
"	Southwest corner Washington and Union.....	1	1
"	Northeast corner Washington and Lyndon.....	1	1
"	Northwest corner Washington and Rumford.....	1	1
"	Northwest corner Washington and North Essex.....	1	1
"	North side Washington, opposite Perry Avenue.....	1	6
Chapel.	South side Chapel, near Methodist Church.....	1	1
Montgomery.	South side Montgomery, opposite Mrs. Geo. Minot's..	1	1
Centre.	Northeast corner Centre and North State.....	1	1
"	Southwest corner Centre and Green.....	1	1
"	Northwest corner Centre and Union.....	1	1
"	Northwest corner Centre and North Spring.....	1	1
"	Northwest corner Centre and Rumford.....	1	1
"	South side Centre, opposite Essex.....	1	1
"	Southwest corner Centre and Summit Avenue.....	1	1
"	Northeast corner Centre and Ridge Road.....	1	8
Bridge.	South side Bridge, near easterly barn.....	1	1
"	North side Bridge, opposite Concord Coal Co.'s.....	1	1
"	North side Bridge, opposite Concord Shoe Factory...	1	3
Park.	North side Park, at St. Paul's Church.....	1	1
Capitol.	Northeast corner Capitol and North State.....	1	1
School.	Northwest corner School and Green.....	1	1
"	Northwest corner School and North Spring.....	1	1
"	Northwest corner School and Rumford.....	1	1
"	Northwest corner School and Merrimack.....	1	1
"	North side School, opposite Holt.....	1	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	8
"	Northeast corner Warren and Giles.....	1	
"	Junction of Warren and Pleasant, near Fruit.....	1	
Depot.	South side Depot, at north end of train shed.....	1	
"	Northwest corner Depot and Railroad Square.....	1	
Blake.	South side Blake at J. D. Bridge's.....	1	
Orchard.	South side Orchard, opposite Sherburne's.....	1	
Pleasant.	Northwest corner Pleasant and Railroad Square.....	1	
"	Southeast corner Pleasant and South.....	1	19
"	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	
Mill Road.	East side Mill Road, near laboratory.....	1	
St. P. School.	North side Mill Road, at Orphans' Home.....	1	
Old Hopkint'n Road.	Junction old and new Hopkinton roads.....	1	1
Wall.	Northeast corner Wall and Elm.....	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	2
"	Northeast corner Hill's Avenue and South Main.....	1	
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	3
"	Northwest corner Concord and Jefferson.....	1	
"	Northeast corner Concord and South.....	1	
Monroe.	North side Monroe, opposite Grove.....	1	1
Thorndike.	Northeast corner Thorndike and Grove.....	1	3
"	North side Thorndike, opposite Pierce.....	1	
"	Northeast corner Thorndike and South Spring.....	1	
Laurel.	Northwest corner Laurel and Pierce.....	1	1
Perley.	Southwest corner Perley and South State.....	1	4
"	Northwest corner Perley and Grove.....	1	
"	Northeast corner Perley and Pierce.....	1	
"	South side Perley, near old brook.....	1	
Downing.	South side Downing, opposite Grove.....	1	2
"	Southeast corner Downing and Mills.....	1	
Clinton.	Southwest corner Downing and Redwood Avenue.....	1	3
"	North side Clinton, opposite Harvard.....	1	
"	North side Clinton, opposite Avon.....	1	
"	Northeast corner Clinton and Fruit.....	1	5
"	North side Clinton, near Snell's.....	1	
"	North side Clinton at State Fair grounds.....	1	
West.	North side West, near South Main.....	1	1

FIRE-HYDRANTS.—Continued.

STREETS.	LOCATIONS.	Number.	Total.
West.	North side West, near Badger.....	1	
"	Northeast corner West and Mills	1	
"	North side West, opposite Dakin	1	
"	Northwest corner West and Broadway.....	1	5
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
Stone.	North side Stone, 300 feet from Bow	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. Coburn'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	
"	Northwest corner North State and Palm.....	1	
"	West side North State, near Concord Woodw'king 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. Putn y's.....	1	
"	North side Hutchins, near C. & C. Railroad.....	1	2
Penacock Rd.	West side Penacock Road, near Warner Road.....	1	1

FIRE-HYDRANTS.—*Concluded.*

STREETS.	LOCATIONS.	Number.	Total.
PENACOOK.			
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	
"	North side Main, near iron bridge.....	1	
West Main.	West side West Main, opposite cemetery.....	1	9
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.	West side Crescent, north 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
Maple.	Northeast corner Maple and Pleasant.....	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.....			353
PRIVATE HYDRANTS.			
Concord Shoe Factory.....		1	
Boston & Maine Railroad, upper yard.....		4	
Boston & Maine Railroad, new shops.....		14	
State Prison.....		6	
Abbot-Downing Co.'s yard.....		6	
Page Belting Co.'s yard.....		10	
W. P. Ford & Co.'s yard.....		1	
N. H. State Hospital yard.....		10	
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	
Crescent Worsted Co.....		2	
Whole number private hydrants.....			62

ASSESSORS' REPORT.

To the Taxpayers of the City of Concord:

The board of assessors respectfully submit for your consideration the following items and tabulations showing the valuation of the taxable property, the amounts of the various warrants, the total appropriations submitted to us for assessment, the resulting tax rates and the total of warrants submitted to the collector. The assessors have been for current year :

- Ward 1. Oliver J. Fifield.
- Ward 2. William A. Cowley.
- Ward 3. Joseph E. Shepard.
- Ward 4. George W. Parsons.
- Ward 5. George A. Foster.
- Ward 6. Osro M. Allen; Arthur F. Sturtevant, assistant.
- Ward 7. John H. Quimby.
- Ward 8. William A. Lee.
- Ward 9. Thomas Nawn; James Donegan, assistant.

ITEMS OF ASSESSED VALUATION.

Number of polls assessed :

In 1906,	5,474	\$547,000
In 1907,	5,750	575,000
	276	\$27,600

Improved and unimproved land and buildings, 1906,	\$9,817,805
Improved and unimproved land and buildings, 1907,	9,878,096
Increase,	\$60,291

ASSESSORS' REPORT.

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Number of horses in 1906,	1,537	\$92,235
Number of horses in 1907,	1,522	96,725
		<hr/>
Increase,		\$4,490
Number of oxen in 1906,	41	\$2,095
Number of oxen in 1907,	32	1,765
		<hr/>
Decrease,		\$330
Number of cows in 1906,	1,300	\$30,065
Number of cows in 1907,	1,380	30,015
		<hr/>
Decrease,		\$50
Number of other neat stock in 1906,	244	\$2,874
Number of other neat stock in 1907,	109	2,550
		<hr/>
Decrease,		\$324
Number of sheep in 1906,	52	\$112
Number of sheep in 1907,	84	190
		<hr/>
Increase,		\$78
Number of hogs in 1906,	1	\$10
Number of hogs in 1907,	41	260
		<hr/>
Increase,		\$250
Number of fowls in 1906,		
Number of fowls in 1907,		\$125
		<hr/>
Increase,		\$125
Number of carriages in 1906,	310	\$31,870
Number of carriages in 1907,	355	45,300
		<hr/>
Increase,		\$13,430

Stocks :	
Stocks in public funds in 1906,	\$41,000
Stocks in public funds in 1907,	6,500
	<hr/>
Decrease,	\$34,500
Stocks in banks and other corporations in this state in 1906,	\$230,731
Stocks in banks and other corporations in this state in 1907,	232,110
	<hr/>
Increase,	\$1,379
Stocks in corporations out of this state in 1906,	\$16,425
Stocks in corporations out of this state in 1907,	22,725
	<hr/>
Increase,	\$6,300
Money on hand, on deposit or at interest in 1906,	\$122,976
Money on hand, on deposit or at interest in 1907,	348,586
	<hr/>
Increase,	\$225,610
Stock in trade in 1906,	\$801,799
Stock in trade in 1907,	811,850
	<hr/>
Increase,	\$10,051
Mills and machinery in 1906,	\$31,500
Mills and machinery in 1907,	42,050
	<hr/>
Increase,	\$10,550
Total personal property, 1907,	\$2,216,451
Total real estate, 1907,	9,878,096

COMPARATIVE LIST OF POLLS, VALUATION, AND TAX RAISED
BY WARDS.

Wards.	Polls.		Valuation.		Resident Tax Raised.	
	1906.	1907.	1906.	1907.	1906.	1907.
Ward 1..	566	620	\$885,104	\$885,350	\$21,210.90	\$20,394.15
Ward 2..	212	212	300,342	285,500	5,343.85	5,595.20
Ward 3..	306	296	428,215	415,130	9,472.97	9,692.87
Ward 4.	265	957	2,796,832	2,882,815	61,868.64	65,063.60
Ward 5..	762	736	2,846,219	3,230,236	64,124.48	74,119.78
Ward 6..	780	953	1,937,082	1,852,630	43,460.03	42,510.84
Ward 7..	965	1,083	1,306,800	1,297,280	27,875.64	28,046.01
Ward 8..	402	405	879,893	837,086	18,002.25	17,564.95
Ward 9..	516	545	388,410	408,520	8,292.30	8,832.45
Totals.	5,475	5,757	\$11,768,897	\$12,094,547	\$259,651.06	\$271,819.85

Amount of the warrants submitted to the tax collector for collection:

In 1906—Resident list,	\$259,651.06
Non-Resident list,	1,325.61
In 1907—Resident list,	\$271,819.85
Non-Resident list,	1,225.89

TABULATION OF APPROPRIATIONS, TAX RATE, AND VALUATION OF CITY AND PRECINCTS, FOR 1907.

General Tax.	Appropriations.	Two per cent. added for abatement.	Tax rate per \$1,000.	Valuation of city and of precincts.
{ State	\$84,130.00			
{ County	43,398.06			
{ School, req. by law ...	51,195.00	\$3,514.46	\$14.80	\$12,094,547
{ City	47,000.00			
Extra for Schools:				
Union District.....	43,520.00	870.40	4.20	10,588,842
Town District.....	500.00	10.00	.60	797,795
No. 20 District.....	3,808.00	76.16	5.40	707,910
For Precincts:				
Sprinkling	6,000.00	120.00	.70	8,662,443
Garbage.....	6,000.00	120.00	.60	9,166,846
Water.....	6,000.00	120.00	.50	11,023,518
City Sewer.....	5,400.00	108.00	.50	9,763,696
City Lights	16,500.00	330.00	1.70	9,968,451
Penacook Lights.....	1,300.00	26.00	1.90	705,000
Penacook Sewer.....	2,135.00	42.70	3.10	693,420
West Concord Sewer...	1,895.00	37.90	7.50	258,280
St. Paul's School Sewer.	650.00	13.00	7.60	87,855
East Concord Lights....	550.00	11.00	2.70	201,530
East Concord Sewer	185.00	2.70	4.20	32,300

Respectfully submitted,
JOSEPH E. SHEPARD,
Chairman.

GEORGE W. PARSONS,
Clerk.

REPORT OF TAX COLLECTOR.

To the City Council:

I herewith submit the report of collections of taxes to the close of business, December 31, 1907.

TAX LEVY FOR 1904.

Resident list as committed,	\$249,372.15
Errors and omissions to date added,	1,988.65
Resident list as corrected to date,	—————\$251,360.80
Non-resident list,	850.14
Interest collected to date,	1,271.89
	—————
	\$253,482.83

Cash paid treasurer,	\$247,401.83
Abatements to date,	6,069.52
Unadjusted account,	1.20
Cash in office Dec. 31, 1907, at closing,	8.08
Uncollected Dec. 31, 1907, at closing,	2.20
	—————\$253,482.83

TAX LEVY FOR 1905.

Resident list as committed,	\$257,143.09
Errors and omissions to date added,	2,103.62
Resident list as corrected to date,	—————\$259,246.71
Non-resident list,	900.77
Interest collected to date,	1,274.01
	—————
	\$261,421.49

Cash paid treasurer,	\$254,739.68
Abatements to date,	6,617.69
Cash in office Dec. 31, 1907, at closing,	36.61
Uncollected Dec. 31, 1907, at closing,	27.51
	—————\$261,421.49

TAX LEVY FOR 1906.

Resident list as committed,	\$259,651.06
Errors and omissions to date added,	1,150.43
Resident list as corrected to date,	—————\$260,801.49
Non-resident list,	1,325.61
Interest collected to date,	1,254.28
	—————
	\$263,381.38

Cash paid treasurer as per report	
Dec. 2, 1907,	\$257,431.13
Cash paid treasurer during month of	
December, 1907,	150.00
Abatements to date,	5,489.22
Cash in office Dec. 31, 1907, at closing,	30.95
Uncollected Dec. 31, 1907, at closing,	280.08
	—————\$263,381.38

TAX LEVY FOR 1907.

Resident list as committed,	\$271,819.85
Errors and omissions to date added,	1,607.17
Resident list as corrected to date,	—————\$273,427.02
Non-resident list,	1,225.89
Interest collected to date,	33.92
	—————
	\$274,686.83

Cash paid treasurer as per report	
Dec. 2, 1907,	\$134,750.00
Cash paid treasurer during month of	
December, 1907,	84,400.00
Abatements to date,	3,307.26
Cash in office Dec. 31, 1907, at closing,	161.24
Uncollected Dec. 31, 1907, at closing,	52,068.33
	—————\$274,686.83

Taxes sold the City of Concord. In the office of the collector for redemption.

TAX COLLECTOR'S REPORT.

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YEARS 1902 AND 1903.

DR.		CR.	
Amount,	\$710.97	Paid Treas. amt. redeemed,	\$391.58
Int. and fees,	32.16	Paid Treas. amt. int. and fees,	32.16
		Amt. unredeemed,	319.39
	<hr/> \$743.13		<hr/> \$743.13

YEAR 1904.

Amount,	\$816.38	Paid Treas. amt. redeemed,	\$612.98
Int. and fees,	60.14	Paid Treas. amt. int. and fees,	60.14
		Amt. unredeemed,	203.40
	<hr/> \$876.52		<hr/> \$876.52

YEAR 1905.

Amount,	\$2,934.38	Paid Treas. amt. redeemed,	\$2,255.62
Int. and fees,	69.81	Paid Treas. amt. int. and fees,	69.81
		Amt. unredeemed,	678.76
	<hr/> \$3,004.19		<hr/> \$3,004.19

YEAR 1906.

Amount,	\$3,156.13	Paid Treas. amt. redeemed,	\$171.63
Int. and fees,	6.10	Paid Treas. amt. int. and fees,	6.10
		Amt. unredeemed,	2,984.50
	<hr/> \$3,162.23		<hr/> \$3,162.23

WENDELL P. LADD,
Collector.

CONCORD, N. H., January 1, 1908.

POOR DEPARTMENT.

FORTIETH ANNUAL REPORT OF OVER-SEER OF POOR

FOR YEAR ENDING DECEMBER 31, 1907.

To the City Council:

GENTLEMEN: The undersigned herewith submits the fortieth annual report of expenditures for the poor, including Wards 1 and 2, for the year ending December 31, 1907, as follows:

Families and individuals having a settlement in the city have been aided in part or in full during the time to the amount set opposite their respective names:

B. Abbiati,	\$101.03
Grace Dutton,	48.00
George B. Farley,	104.12
Mrs. Fred Fellows,	80.00
W. Florent,	72.38
G. J. Johnston,	235.43
Mrs. Albert Knowles,	96.00
Annie Manley,	15.00
Daniel Murphy,	72.00
Mrs. Amos Pichette,	18.70
Mrs. Joseph Pratt,	164.78
John Sawyer,	157.35
Charles H. Tandy,	10.68
Ellen Thorsen,	28.00
Charles Wentworth,	118.00
Mrs. Fred Sawyer,	96.00
Mrs. Whitney,	45.00
Transient,	200.00