SILK FARM ROAD.	
General repairs	$43.57
WOODMAN STREET.	
General repairs	12.19
WEST STREET.	
General repairs	11.67
Repairing sidewalks	77.13
HARVARD STREET.	
Grading	32.12
BIRCH STREET.	
General repairs	4.77
Grading	87.42
IRON WORKS ROAD.	
General repairs	43.32
Grading	64.09
ALBIN ROAD.	
General repairs	10.60
HOLLY STREET.	
General repairs	1.76
Repairing sidewalks	13.04
MILLS STREET.	
General repairs	11.02
SOUTH FRUIT STREET.	
Repairing sidewalks	8.47
TURNPIKE STREET.	
General repairs	17.95
STICKNEY HILL ROAD.	
General repairs	56.45
Rebuilding culvert	82.08
DAKIN STREET.	
General repairs	2.06

ROCKINGHAM STREET.	
General repairs	$4.00
CARTER STREET.	
Building sidewalks	60.82
HAMMOND STREET.	
General repairs	6.62
DUNKLEE STREET.	
Building sidewalks	24.92
KIMBALL STREET.	
Grading	65.14
Building sidewalks	33.14
DIMOND HILL ROAD.	
General repairs	106.15
HOPKINTON ROAD.	
General repairs	40.60
HOPKINTON NEW ROAD.	
General repairs	53.60
Repairing culverts	55.95
HOPKINTON OLD ROAD.	
General repairs	35.90
Repairing culverts	8.87
PILLSBURY STREET.	
General repairs	19.52
Building sidewalks	20.08
BIRCHDALE ROAD.	
General repairs	7.25
ALLISON STREET.	
General repairs	25.25
Building sidewalks	33.09
BROADWAY.	
General repairs	23.72
Building sidewalks	35.67

WATER STREET.	
General repairs	$2.83
Repairing sidewalks	9.64
DOWNING STREET.	
General repairs	8.94
LONG POND ROAD.	
General repairs	44.54
SOUTH STATE STREET.	
Repairing macadam	5.16
SOUTH STREET.	
General repairs	77.97
Repairing sidewalks	12.52
SOUTH MAIN STREET.	
General repairs	42.70
Repairing sidewalks	30.70
Building sidewalks	99.44
PLEASANT STREET.	
General repairs	28.79
Building culverts	83.49
CLINTON STREET.	
General repairs	210.16
Graveling	594.04
Repairing culverts	25.71

Ward Eight.

NORTH MAIN STREET.	
General repairs	$11.83
Repairing sidewalks	15.98
EAST PENACOOK STREET.	
General repairs	72.30
Grading	193.24
SOUTH MAIN STREET.	
General repairs	11.22

PLEASANT STREET EXTENSION.	
General repairs	$16.21
Repairing sidewalks	44.45
CHANDLER STREET.	
General repairs	39.14
CLOUGH'S MILL ROAD.	
General repairs	6.35
DEPOT STREET.	
General repairs	14.76
FREIGHT STREET.	
General repairs	5.27
STICKNEY AVENUE.	
General repairs	3.75
BRIDGE STREET.	
General repairs	209.86
HILL'S AVENUE.	
General repairs	12.27
LOUDON ROAD.	
Graveling	513.82
General repairs	46.24
SUNCOOK ROAD.	
General repairs	104.96
SUGAR BOWL ROAD.	
General repairs	4.40
SOUTH PEMBROKE ROAD.	
Putting in culvert	35.05

Ward Nine.

WYMAN STREET.	
Repairing sidewalks	$1.37
AUBURN STREET.	
General repairs	23.42
Repairing sidewalks	75.50
HIGHLAND STREET.	
General repairs	7.00

SNOW SHOE CLUB ROAD.	
General repairs	$16.45
PERKINS STREET.	
General repairs	4.98
ALBIN STREET.	
General repairs	35.90
Repairing sidewalks	15.93
CHESTNUT STREET.	
General repairs	.59
BRADLEY STREET.	
General repairs	5.93
Grading	42.67
FRANKLIN STREET.	
General repairs	67.87
CHARLES STREET.	
Building sidewalks	43.00
LITTLE POND ROAD.	
General repairs	7.64
LONG POND ROAD.	
General repairs	130.02
Repairing culverts	33.28
WALKER STREET.	
General repairs	5.72
PENACOOK STREET.	
General repairs	10.51
Building sidewalks	53.55
RUMFORD STREET.	
General repairs	53.49
Cutting and grading	642.70
Repairing sidewalks	8.00
NORTH STATE STREET.	
General repairs	31.42
Building sidewalks	53.39
Macadamizing	2,438.92

WATER DEPARTMENT.

1905.

BOARD OF WATER COMMISSIONERS.

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

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.
EDSON J. HILL	to March 31, 1907.
GEORGE D. B. PRESCOTT . .	to March 31, 1907.
HARRY H. DUDLEY . . .	to March 31, 1906.
NATHANIEL E. MARTIN . .	to March 31, 1906.

SOLON A. CARTER, *President.*
EDSON J. HILL, *Clerk of Board.*

Superintendent.

V. C. HASTINGS.

Clerk.

ALICE G. COCHRAN.

Foreman.

PERCY R. SANDERS.

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.
James H. Chase* . .	1891. Died in 1893.

* Deceased.

John Whitaker* . . .	1892.	Died in 1903.
Henry E. Conant . . .	1892.	Resigned Jan. 8, 1895.
Parsons B. Cogswell,* *ex officio*,	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, *ex officio* .	1895–1897.	
Ebenezer B. Hutchinson .	1895.	Resigned Jan. 10, 1899.
Edson J. Hill . . .	1895.	Now in office.
Albert B. Woodworth, *ex officio*,	1897–1899.	
Nathaniel E. Martin, *ex officio*,	1899–1901.	
Henry E. Conant . . .	1899.	Now in office.
Timothy P. Sullivan . .	1899.	Resigned May 14, 1901.
Harry G. Sargent, *ex officio* .	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, *ex officio*,	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.

* Deceased.

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 miles and a half 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	5,000.00
flowage rights around Penacook lake	4,375.61
W. P. Cooledge, Hutchins house and lot	2,250.00
Mary C. Rowell, for land .	1,500.00
Moses H. Bradley, " .	5,000.00
Joseph B. Walker, " .	2,214.00
John G. Hook, " .	370.00
A. S. Ranney, " .	1,350.00
Alfred Roberts, " .	1,275.00
Charles E. Ballard, " .	2,500.00
Mary G. Carter, " .	1,250.00
Elizabeth Widmer, " .	1,564.50
A. L. Proctor, " .	450.00
Robert Crowley, " .	3,000.00
Miles Hodgdon, " .	2,200.00
heirs of Lowell Brown, " .	1,032.55
Coffin & Little, " .	800.00
O. F. Richardson, " .	100.00
M. H. & C. R. Farnum, " .	4,500.00
Cook & Hood, " .	1,750.00
Charles H. Farnum, " .	1,410.36
Fred N. Ladd, " .	300.00
C. H. Amsden, water and flowage rights	5,000.00

Cost of property and rights of Torrent Aqueduct Association . .	$20,000.00	
dam, gate-house and appurtenances	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 reservoir, fire main through North and South Main streets, and high service main from Penacook Street to Stark Street, Penacook)	182,241.70	
distribution pipe	335,225.88	
service pipe	49,653.18	
reservoir	42,460.09	
pumping station, shop, stable and storehouse . . .	22,000.00	
pumping machinery . . .	17,000.42	
engineering and superintendence	14,913.12	
incidentals	6,531.19	
Cost of works, January 1, 1906 . .		$947,957.82

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, 1906,	4,	$10,000.00
Jan. 1, 1907,	4,	10,000.00
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

When due.	Rate.	Amount.
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
		$640,000.00

REPORT OF WATER COMMISSIONERS.

Office of the Board of Water Commissioners,
Concord, N. H., January 31, 1906.

To His Honor the Mayor and City Council:

The Board of Water Commissioners respectfully submits the following report of the operations of this department for the year 1905, accompanied by the detailed reports of the superintendent and engineer of the pumping station, which are made a part of this report.

Your attention is particularly invited to that portion of the superintendent's report exhibiting in detail the work of substituting cast-iron distributing pipes for the original cement-lined pipes, and the largely increased capacity of the former.

In view of the work accomplished in this direction, the Board is unable to discover the necessity of that part of the ordinance establishing a Board of Hydrant Commissioners and defining their duties, which provides that the size of any pipe on which a hydrant is dependent for its supply shall not be decreased without the approval, in writing, of said last named Board.

The thing prohibited is something that has never been done, never contemplated, and never would have been done in the absence of the ordinance.

Upon the recommendation of the newly created Board of Hydrant Commissioners, we have placed orders for twenty new hydrants which will be installed the coming season.

In this connection, we would respectfully request the Council to carefully consider the question of hydrant service and the extension of that service and compensation for same in all its bearings. In a former communication to the Council we pointed out the largely increased number of hydrants in service, and their increased efficiency without any increase of revenue to the system.

The cost of installation of our splendid hydrant service, and the supervision and frequent inspection of the same, is no inconsiderable item. The condition of the entire system is such as to warrant the expectation that it will meet all reasonable demands upon it.

The Board commends the faithful services of its employees in all departments.

Respectfully submitted,

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

REPORT OF THE SUPERINTENDENT.

To the Board of Water Commissioners:

I herewith present to you the thirty-fourth 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, 1905.

RECEIPTS.

For water, from consumers by fixed rates	$29,109.08	
For water, from consumers by meter rates	41,317.07	
From delinquents	77.91	
For water used for building purposes	83.30	
For rents	43.29	
For hay and apples	50.00	
For horse, pipe and stock sold	155.04	
For old brass and iron sold	330.29	
For insurance returned	1.70	
		$71,167.68
Deduct abatements		91.24
Net receipts for 1905		$71,076.44

EXPENDITURES.

General Expenses.

Paid pay rolls, salaries and labor	$11,603.37	
S. G. Sanborn, rent of shop in Penacook	24.00	
Ira C. Evans Co., printing	82.05	
Rumford Printing Co., books and printing	91.25	
Frank P. Mace, office supplies	2.35	

Paid George E. Carter, office supplies .	$1.75
Library Bureau, office supplies .	1.65
People & Patriot Co., advertising bonds	9.60
Concord Electric Co., lighting .	12.39
New England Telephone & Telegraph Co., telephones . .	128.70
Smith Premier Typewriter Co., typewriter	60.00
John C. Thorne, rubber boots .	9.00
W. A. Thompson, rubber boots .	6.50
Thompson & Hoague Co., hardware	78.59
W. L. Jenks & Co., hardware .	23.31
A. H. Britton & Co., hardware .	15.12
Joseph T. Walker, hay . .	62.32
C. Pelissier & Co., harness . .	40.00
F. W. Sanborn, dynamite . .	36.99
John Swenson, dynamite . .	6.00
H. H. Crowell, slab wood . .	15.00
Concord Lumber Co., wood . .	12.00
D. Waldo White, grain and straw	115.48
Batchelder & Co., oil, etc. . .	43.44
C. H. Martin & Co., naphtha, etc. .	16.95
Solshine Mfg. Co., harness oil, etc.	2.75
Woodworth & Co., cement . .	16.00
Dickerman & Co., cement . .	8.05
M. J. Drummond & Co., cast-iron pipe	12,120.63
R. D. Wood & Co., cast-iron pipe and hydrants	1,969.86
Ludlow Valve Mfg. Co., gates and hydrants	1,485.55
Builders Iron Foundry, castings .	124.82
Ford & Kimball, castings . .	41.12
Davis & Farnum Mfg. Co., castings	37.18
Concord Foundry & Machine Co., castings	4.21

Paid Rensselaer Mfg. Co., hydrant	$27.50
Coffin Valve Co., hydrant supplies	4.50
Chadwick-Boston Lead Co., pig lead and lead pipe	771.04
Richards & Co., pig lead	428.13
J. H. Cunningham Co., wrought-iron pipe, valves and valve boxes	370.29
Hays Mfg. Co., service boxes	200.94
The Sumner-Goodwin Co., brass goods	169.31
Harold L. Bond & Co., tools and jute	52.52
Waldo Bros., tools	3.70
Walworth Mfg. Co., tools	1.53
Orr & Rolfe, fittings	8.14
G. S. Milton & Co., fittings	3.89
National Meter Co., meters and repairs	356.34
Thomson Meter Co., meters	327.20
Hersey Mfg. Co., meters	201.60
Henry R. Worthington, meters	84.00
Bailey & Merryman, roofing	50.78
C. L. Fellows & Co., mason work	19.70
C. W. Dadmun, electrical work	8.05
E. B. Hanchay, smith work	154.63
J. M. Crossman, smith work	13.40
Nutting & Hayden, smith work	9.52
Abbot-Downing Co., repairs	57.25
George D. Huntley, repairs	9.50
J. D. Johnson & Son, repairs	4.95
W. E. Darrah, repairs	4.00
George L. Theobald, team work	355.75
O. F. Richardson, team work	31.30
Cyrus R. Farnum, team work	10.80
E. L. Davis, team work	4.20
E. H. Runnells, labor	3.00
Hutchinson Bldg. Co., lumber and labor	89.74

Paid George Abbott, Jr., painting	$27.30	
Benjamin Bilsborough, painting	4.72	
J. H. Rowell & Co., repairing concrete	177.73	
City Highway Department, repairing streets	49.44	
Engineering News	5.00	
Morrill & Danforth, insurance	277.13	
Eastman & Merrill, insurance	9.40	
Boston Bank Note Co., bond plate	63.00	
Boston & Maine Railroad, freight and repairing siding	1,585.68	
Fred N. Ladd, land	300.00	
Town of Webster, taxes	54.00	
A. G. Cochran, cash paid out	58.21	
incidentals	178.21	
		$34,935.00

Pumping Station Expenses.

Paid pay rolls, engineer and fireman	$1,592.00	
labor on fuel	42.00	
Marsh Coal Co., coal	464.92	
J. A. & A. W. Walker, coal	353.54	
H. H. Crowell, slab wood	45.38	
Vacuum Oil Co., oil	34.77	
Henry R. Worthington, packing	7.23	
Boston & Maine Railroad, freight on coal	191.32	
Reversible Tube Cleaner Co., tube cleaner	3.00	
Morse Twist Drill & Machine Co., tools	2.72	
McLeod & Henry Co., fire brick	6.70	
Concord Foundry & Machine Co., brass castings	10.08	
E. H. Randall, fittings	1.78	
W. L. Jenks & Co., supplies	6.75	
Thompson & Hoague Co., supplies	1.85	

Paid Batchelder & Co., supplies . .	$1.54	
Rowell & Plummer, work on boiler	45.75	
Boston & Maine Railroad, repairing siding and freight . . .	30.12	
Concord Light & Power Co., lighting	7.80	
New England Telephone & Telegraph Co., telephone . .	42.00	
		$2,891.25
Total expenditures for 1905 . . .		$37,826.25

The expenditures are divided as follows:

General Expenses.

For care and maintenance . . .	$2,355.47	
office expenses . . .	1,228.00	
repairs on cement-lined pipe . .	237.41	
work at Penacook Lake . .	327.21	
inspection	660.00	
new service pipes	2,905.96	
new distribution pipes . . .	25,009.22	
meter account	1,222.91	
incidentals	988.07	
		$34,935.00

Pumping Station Expenses.

For salaries, engineer and fireman .	$1,592.00	
fuel	1,097.16	
oil and packing	42.00	
repairs	65.61	
repairs on siding	28.82	
supplies	15.86	
lighting and telephone . . .	49.80	
		$2,891.25

EXTENSIONS AND IMPROVEMENTS.

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

In North State Street,

south from Penacook to near Chapel Street, 2,727 feet 20-inch pipe in place of 14-inch cement-lined pipe discontinued.

In South State Street,

south from West to junction with South Main Street, 809 feet 12-inch pipe in place of 8-inch cement-lined pipe discontinued.

In South Main Street,

south from junction with South State to Allison Street, 180 feet 12-inch pipe in place of 6-inch cement-lined pipe discontinued.

In South Main Street,

south from Thorndike to junction with South State Street, 2,429 feet 10-inch pipe in place of 6-inch cement-lined pipe discontinued.

In South Main Street,

south from Allison to Pillsbury Street, 449 feet 10-inch pipe in place of 6-inch cement-lined pipe discontinued.

In Gas Street,

east from South Main to Water Street, 550 feet 10-inch pipe in place of 4-inch cement-lined pipe discontinued.

In Water Street,

south from near bridge to Hall Street, 310 feet 10-inch pipe in place of 4-inch cement-lined pipe discontinued.

In Hall Street,

south from Water to Hammond Street, 1,621 feet of 10-inch pipe in place of 4-inch cement-lined and iron pipe discontinued.

In Hall's Court,

east from North Main Street to Stickney Avenue, 905 feet 10-inch pipe.

In Stickney Avenue,

south from Hall's Court, 250 feet 10-inch pipe.

In Bridge Street,

east and west from Stickney Avenue, 327 feet 10-inch pipe.

In Palm Street, West Concord,

west from North State Street, 596 feet 6-inch pipe.

In Fairbanks Street, West Concord,

north from Palm Street, 74 feet 6-inch pipe.

In Minot Street,

north from Pleasant Street to Odd Fellows' Home, 505 feet 6-inch pipe in place of 4-inch cement-lined pipe discontinued.

In Beacon Street,

east from Jackson Street to rear Merrimack School, 428 feet 6-inch pipe.

In Washington Street,

east from Rumford to Lyndon Street, 389 feet 6-inch pipe.

In Union Street,

north from Centre to Maple Street, 364 feet 6-inch pipe in place of 4-inch cement-lined pipe discontinued.

In Princeton Street,

extended south 318 feet 6-inch pipe.

In Perley Street,

west from South Main Street, 313 feet 6-inch pipe in place of 4-inch pipe discontinued.

In Giles Street,

extended north from Centre Street, 300 feet 6-inch pipe.

In Maitland Street,

extended west 290 feet 6-inch pipe.

In Harrison Street,

west from South State to Morton Street, 240 feet 6-inch pipe.

In North Essex Street,

extended north to Rowell Street, 44 feet 6-inch pipe.

In Rowell Street,

west from North Essex to Rumford Street, 142 feet 6-inch pipe.

In Winter Street, Penacook,

extended west 50 feet 6-inch pipe.

On connections,

257 feet 10-inch pipe; 93 feet 8-inch pipe; 269 feet 6-inch pipe; 28 feet 4-inch pipe; in place of 206 feet 6-inch and 420 feet 4-inch cement-lined pipe discontinued.

On hydrant branches,

442 feet 6-inch pipe; 123 feet 6-inch and 41 feet 4-inch cement-lined pipe discontinued.

On blow-offs,

8 feet 6-inch and 59 feet 4-inch pipe; 5 feet 6-inch discontinued.

Also, 288 feet of 1-inch pipe.

Twenty-seven new hydrants have been set as follows:

On Walker Street at Martin.
On North State Street near Franklin.
On Beacon Street rear Merrimack School.
On Washington Street at Lyndon.
On Rowell Street at White.
On Union Street at Maple.
On Pine Street at Warren.
On Minot Street at Odd Fellows' Home.
On Minot Street at Pleasant.
On Pleasant Street at Gale.
On Pleasant Street at city sheds.
On School Street at Rumford.
On Bridge Street at Concord Shoe Factory.
On Bridge Street at Concord Coal Co.
On Monroe Street opposite Grove.
On Perley Street at Pierce.
On Perley Street at South State.
On Pillsbury Street opposite Foster Ward.
On Pillsbury Street at Broadway.
On Princeton Street at Noyes.
On Hall Street at Rolfe and Rumford Asylum.
On Hall Street at E. W. Robinson's.
On Hall Street near F. H. George's.
On Hall Street at Hammond.
On Palm Street, West Concord.
On Winter Street near Pleasant, Penacook.
On Merrimack Street opposite Symonds' factory, Penacook.

Three hydrants have been discontinued:

On Union Street at Maple.
On Minot Street at Odd Fellows' Home.
On Hall Street near E. W. Robinson's.

There have been set 55 gates; discontinued, 24.

Summary of the Foregoing.

New Pipes, Hydrants and Stop-gates.

Pipes.	*Hydrants.*		*Stop-Gates.*	
1-inch, 288 feet.	In city . .	25	4-inch . .	2
4-inch, 87 "	In Penacook .	2	6-inch . .	40
6-inch, 4,772 "			8-inch . .	2
8-inch, 93 "			10-inch . .	8
10-inch, 7,098 "			18-inch . .	1
12-inch, 989 "			20-inch . .	2
20-inch, 2,727 "				
16,054 feet,		—		—
equal to 3.04 miles.		27		55

Pipes, Hydrants and Stop-gates Discontinued.

Pipes.	*Hydrants.*		*Stop-Gates.*	
4-inch, 4,489 feet.	Discontinued .	3	4-inch . .	12
6-inch, 3,392 "			6-inch . .	9
8-inch, 809 "			8-inch . .	1
14-inch, 2,727 "			14-inch . .	2
11,417 feet,		—		—
equal to 2.16 miles.		3		24

Total length of main and distribution pipes now in use, 345,471 feet, equal to 65.43 miles.

Total number of hydrants how in use, 316.

Total number of gates now in use, 871.

Service Pipes.

There have been laid during the year and connected with the main pipes, 53 service-pipes consisting of

45	¾-inch,	1,117	feet.
1	1-inch,	59	"
4	2-inch,	77	"
2	4-inch,	37	"
1	8-inch,	12	"
53		1,302	feet.

There have been discontinued, 2; whole number in use at the present time, 3,509; total length of service pipes, 81,360 feet, or 15.40 miles. We have also relaid 8 services as we have relaid the street mains, and have placed 126 service boxes at the curb of old services.

We have set 65 meters during the year; 7 have been removed, making the total number now in use, 1,397.

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

January . .	182.40	July . . .	184.60
February . .	182.50	August . .	183.70
March . . .	182.10	September . .	182.90
April . . .	184.20	October . .	183.00
May . . .	185.00	November . .	182.50
June . . .	184.70	December . .	182.70

The lowest point reached during the year was on March 15, being 181.80; the highest was on April 13 and was 185.10; mean height, 183.37, which was 1.03 feet lower than the mean height for the year 1904.

The service-pipe and the distribution-pipe accounts are somewhat larger in proportion to the length of pipe laid than in previous years. The work of laying the 20-inch main from the pumping station to near Chapel Street was expensive owing to the large number of house and street connections on North State Street and the ledge work between Church and Chapel streets. We also found considerable rock on Hall Street, and on Palm Street in West Concord nearly the entire trench had to be blasted. The service-pipe account was increased because of repairs to old services which we found necessary as we relaid some streets.

I would suggest that the work of relaying cement-lined pipe with cast-iron be continued next year as follows:

20-inch main in North State Street from near Chapel to Pleasant; 10-inch pipes in Clinton Street from South Spring to South Fruit; in Bradley Street from Perkins to Franklin; and in Walker Street from North State to Bradley; 8-inch high-

service pipe in Ferry Street from North Main to near Stickney Avenue; 8-inch pipe in Washington Street from Rumford to White.

When these streets are relaid, we shall have a system of large-sized distribution pipes through the greater part of our city, well arranged to feed the smaller ones in the cross streets.

The large main will, as in the original plan of the works, be through State Street; in place of the 14- and 12-inch pipe, we will then have a continuous line of 20-inch pipe from Penacook Lake to Pleasant Street; from there 14-inch to West Street, and from West to the junction with South Main and thence to Allison, 12-inch pipe.

In Main Street where we originally had a 6-inch pipe, we now have from its northern limit at Penacook Street to its junction with South State, a 10-inch pipe, fed from the 20-inch main by a 10-inch pipe through Penacook Street and also through every cross street by 4, 6, 8 or 10-inch pipes, the 4-inch to be eventually replaced by larger sizes; there is also in South Main Street from Allison to Pillsbury, a 10-inch pipe to be continued later.

The 18-inch main extends from Penacook Lake to the pumping station with a 12-inch branch at the cemetery gate from which a 12-inch pipe runs through Rumford Street as far as School, thence a 10-inch to Pleasant Street.

In South Street in place of the original 6-inch we now have a 12-inch pipe from Pleasant to Clinton Street and continuing through Broadway to West, fed from the State Street main by a 12-inch through Pleasant Street as well as the connections with the cross streets.

From the reservoir a 14-inch pipe is laid through Auburn Street, reducing to a 12-inch through Liberty to the connection at Pleasant.

South Spring Street is now supplied by an 8-inch pipe; Bradley Street will then have a 10-inch and Hall Street now has a 10-inch as far as Hammond to be continued in the near future, all of which took the place of 4-inch pipes.

Thus the distribution pipes in nearly all of the principal streets running north and south will be of sufficient size to give

excellent service and so located as to feed the other streets well.

The continuation of a larger pipe farther south through one of the streets at the south end to supply the section developed in the last few years is a work which I know has already received your consideration and should be done as soon as practicable.

On the streets running east and west a complete relaying of the street has been done to a greater extent below Pleasant Street than at the north end, all the streets between Pleasant and West now having been relaid. In place of the original 4-inch we now have 6-inch pipes in Wall, Fayette, Thompson, Concord, Monroe, Laurel and Downing, and Perley as far west as Pierce Street; Thorndike Street has a 10-inch pipe replacing a 6-inch. It is planned to have a 12-inch pipe on West Street when that pipe is relaid, but as there has been very little trouble with leaks there, that street has been postponed for more urgent sections.

Clinton Street will have a 10-inch pipe from South to Fruit, and Pleasant Street is supplied by a 10-inch pipe except between State and South Streets, as mentioned before.

North of Pleasant Street the relaying of an entire street has not been as general. Warren Street has been relaid and with the exception of between North State and North Main, an 8-inch has taken the place of the 6- and 4-inch. School Street now has 10-inch in place of 8- and 4-inch pipes from North Main to Hanover Street; west of Hanover, it has been partially relaid with 10-inch.

In Centre Street, a 10-inch high-service pipe extends from High to North Main; east of Rumford, a part of the 6-inch low-service pipe has been replaced with 8-inch.

Very little work has yet been done in Washington Street, to be relaid with 8- and 10-inch, the original pipes being 4- and 6-inch. In Franklin Street we now have a 12-inch pipe in the high-service section from Auburn to Rumford Street, the low-service section east of Rumford having not yet been relaid but eventually to be 10-inch in place of 4- and 6-inch. In Walker Street we shall have 10-inch pipe from North State to Bradley

replacing 4-inch, and to be continued later. Tremont and Church streets are still supplied through the original 4-inch pipes but will be relaid with 8- and 6-inch according to present plans.

We have also the 20-inch high-service main in Penacook Street from the reservoir, with connection at Rumford Street, with 14-inch high-service main for Penacook which also allows additional high-service hydrants through Rumford and North State streets. This 20-inch main extends through Penacook, Fiske and North and South Main streets to Hill's Avenue; thence a 16-inch to West Street; thence a 14-inch to junction with South State; thence a 12-inch to Langdon Street, for fire service only.

In closing, I desire to commend the conscientious and efficient work of the employés of the department.

Respectfully submitted,

V. C. HASTINGS,
Superintendent.

REPORT OF THE ENGINEER OF THE PUMPING STATION.

PUMPING STATION, CONCORD WATER-WORKS.

V. C. HASTINGS, *Superintendent:*

Sir: I would report that the pumping machinery at the pumping station is in good working condition.

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.

159 tons 260 pounds Pocahontas coal.
34 tons 769 pounds Cumberland coal.
68 gallons of oil.
48 pounds of waste.
10 cords of slab wood.
10 pounds of grease.

ENGINE RECORD.

MONTHS.	No. of days pumping engine No. 1.	No. of days pumping engine No. 2.	Total days pumping.	Total days pumping.	Average pumping time.	Total gallons of water pumped.	Daily average pumped.	Total pounds of coal consumed.	Daily average coal consumed.	Total pounds of wood consumed.	* Gallons pumped per pound of coal.
				H. M.	H. M.						
January.....	10	16	26	224:	7:13	19,634,304	633,364	38,035	1,220	1,118	516
February....	12	16	28	254:30	9:5	22,025,226	786,615	41,642	1,487	1,927	528
March.....	11	15	26	220:30	7:6	19,514,090	650,469	36,807	1,187	1,899	530
April.....	12	12	24	184:	6:8	16,777,399	559,246	32,163	1,072	1,413	521
May.....	3	24	27	224:30	7:14	19,550,122	630,643	36,821	1,187	1,616	530
June.....	13	13	26	226:30	7:33	19,387,892	646,263	37,587	1,252	1,490	515
July.....	11	15	26	252:30	8:8	22,102,020	712,968	42,359	1,366	1,441	521
August.....	13	14	27	231:30	7:28	20,064,317	647,236	38,348	1,237	1,286	523
September..	13	13	26	193:30	6:26	16,013,254	533,775	31,949	1,064	1,439	501
October.....	12	14	26	201:	6:29	16,863,618	543,987	32,561	1,050	1,473	517
November..	9	16	25	189:	6:18	15,872,784	529,092	30,362	1,012	1,374	522
December...	18	8	26	205:	6:36	17,381,015	560,677	34,715	1,119	1,548	500
Total.....	137	176	313	2,606:30	.....	225,186,041	616,948	433,349	1,187	18,024	517
Daily av'ge.	....	....	....	.....	7:8	616,948	.....	1,187	.....	.....	....

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

Amount of coal consumed per thousand gallons pumped, 1.92 pounds.

HENRY A. ROWELL,
Engineer.

APPENDIX.

A.

Receipts for Each Year Since the Completion of the Works.

For the year ending January 31, 1874 . .	$4,431.10
For fifteen months ending April 1, 1875 . .	17,535.00
For the year ending April 1, 1876 . . .	16,921.24
" " " 1877 . . .	19,001.07
" " " 1878 . . .	20,763.03
" " " 1879 . . .	21,869.86
" " " 1880 . . .	22,451.53
" " " 1881 . . .	26,744.58
For nine months ending 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
" " " 1905 . .	71,076.44
Total receipts for 33 years	$1,343,148.64

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		

C.

SCHEDULE OF IRON AND CEMENT-LINED PIPE AND GATES.

STREETS.	Brick conduit.	Length and Size of Cement-Lined Pipe in Feet.							Length and Size of Iron Pipe in Feet.										Number and Size of Gates.									
	30-in.	18-in.	14-in.	12-in.	10-in.	8-in.	6-in.	4-in.	24-in.	20-in.	18-in.	16-in.	14-in.	12-in.	10-in.	8-in.	6-in.	4-in.	24-in.	20-in.	18-in.	16-in.	14-in.	12-in.	10-in.	8-in.	6-in.	4-in.
Conduit	2220																		2									
Reserve main									282										3									
Old cement-lined main			2230																					1				
Low service main		11391								331	1905	75								2	8	1	7				1	
Pump main										13598	58	75	147							6	2	1	6		1		1	
Force main									240	2962		42	20						1	3			1					
Abbott																		372										2
Academy								312									41	100										1
Albin																		662										1
Alleyways																	450	505										1
Allison								868									1612										4	
Auburn													2182										1					
Avon																	724										2	
Badger																		694										1
Beacon																	2041										2	1
Blake																		300										1
Blanchard																	475										1	
Blossom Hill																	1781										1	
Bow																	590										1	
Bowery Avenue																		245										1
Bradley								1038							63			243							1			1
Bridge															327		1123										1	
Broadway														369			3373										3	
Cambridge																		160										1
Capitol															508		763								1		3	
Carter																	1077										2	
Centre						648	397								3529	1690									9	4	4	
Chandler																	306										1	
Chapel								586										56										2

Charles																		516											1
Chestnut							373										265											1	
Church								1459									134	547										2	5
Clarke																	77												
Clinton								1615							327	180	1663									1	1	1	
Columbus Avenue													2100										1						
Concord																	1593	286										3	2
Court								614									58											1	1
Curtice Avenue																	422											2	
Dakin																		855											2
Depot																	387	242										1	1
Donovan																	456											1	
Downing																	1977	92										3	1
Dunklee																	28												
Durgin																	265											1	
Eastman																		400											1
Electric																	550											1	
Elm																		607											3
Engel																	388											1	
Essex								550																				1	2
Essex, North																	286												
Fairbanks																	74												
Fayette																	1187											3	
Ferry																		1066											2
Fisher																	343												
Fiske										1045										1									
Ford Place																		320											1
Forest																	628											2	
Foster																	180											1	
Franklin							1650	341						2166	60		980							4	1	1	8		
Freight															438		285								1		2		
Fremont																		590											2
Fruit, North																	1078											1	
Fruit, South								2884										16										1	2
Fuller																		88											
Gas															550										1				
Giles								772								300	388									1	2	1	
Glen																	840										2		
Granite Avenue																		210											
Green															431		1755								1		6		
Hall															1621		713	1063							1				1
Hall's Court															905										1				
Hammond																		748											
Hanover																		600											2

SCHEDULE OF IRON AND CEMENT-LINED PIPE AND GATES.—*Continued.*

STREETS.	Brick Conduit.	Length and Size of Cement-Lined Pipe in Feet.							Length and Size of Iron Pipe in Feet.										Number and Size of Gates.									
	30-in.	18-in.	14-in.	12-in.	10-in.	8-in.	6-in.	4-in.	24-in.	20-in.	18-in.	16-in.	14-in.	12-in.	10-in.	8-in.	6-in.	4-in.	24-in.	20-in.	18-in.	16-in.	14-in.	12-in.	10-in.	8-in.	6-in.	4-in.
Harrison																	240	230									1	
Harrod																		333										1
Harvard																		760										1
High							1218						380				982						1	1	1		3	
Highland																	60	832									1	1
Hill's Avenue								176								69	58	75								1	1	
Holly																	710										1	
Holt																	646										1	
Hopkinton Road																		475										1
Humphrey																	341										1	
Hutchins, West Concord										381				120														
Jackson								1215										340										3
Jefferson																		173										
Kimball																		334										
Knight, West Concord																	350										1	
Langdon															360			357							1			1
Laurel																	1550										2	
Liberty														1311										2				
Lincoln																		367										2
Lyndon								1125									95	300									3	1
Main, North										4209					5125		38			3					7		1	
Main, South							239			300		2596	1026	1373	4597		1717	3650				2	1		6		4	2
Main, West Concord				1764																				2				
Maitland																	290											
Maple								350									32	430										2
Marshall																		330										1
McKinley																	738										2	
Merrimack							867										819										4	
Mill Road, S. P. School																	874	1890										2
Mills																		1320										4
Minot																	860										2	
Monroe																	1289										2	

Montgomery								659									43										1	1
Morton																	516										1	
Myrtle																		225										1
Oak																		305										1
Odd Fellows Avenue																		201										
Old Hopkinton Road																		814										1
Old S. Mill Road, S. P. S.																		3446										2
Orchard																	620										1	
Palm																	596											
Park								566									30										1	1
Peabody																	380										1	
Pearl								485									96										2	
Penacook													300		1785	557	1825			1			1		3		3	1
Perkins								650																				2
Perley																	1580	635									2	2
Perry Avenue																		460										2
Pierce																		300										1
Pillsbury																	2493										4	
Pine																681	985									2	4	
Pitman																		480										1
Pleasant						7024	1964							600	3031	513	876							1	6	3	8	
Prince																		531										1
Princeton																	658										1	
Prospect																	800											
Railroad								592																				1
Ridge Road																	1012										1	
Rockingham																	1320										2	
Rollins																		195										1
Rowell																	142											
Rumford				5952	1203	511		1203						9		1791	14							6	2	4	2	2
School						575	627	21							2211	708	575								5	3	4	1
Short																		223										1
South							2301							2982			5185							3			4	
Spring, North							865									26	1774										6	
Spring, South																2391		388								2		1
State, North			977	1622						3236										3	1		1	2				
State, South													3049	839									4	1				
Stickney Avenue															250													
Stone																	1080										1	
Summer																		389										1
Summit																		172										1
Tahanto																	1015										4	
Thompson															38	326	1380									1	3	
Thorndike															1898	250									3	1		

SCHEDULE OF IRON AND CEMENT-LINED PIPE AND GATES.—*Concluded.*

STREETS.	Brick conduit.	Length and Size of Cement-Lined Pipe in Feet.							Length and Size of Iron Pipe in Feet.										Number and Size of Gates.									
	30-in.	18-in.	14-in.	12-in.	10-in.	8-in.	6-in.	4-in.	24-in.	20-in.	18-in.	16-in.	14-in.	12-in.	10-in.	8-in.	6-in.	4-in.	24-in.	20-in.	18-in.	16-in.	14-in.	12-in.	10-in.	8-in.	6-in.	4-in.
Tremont							163	1330								53	33									1	1	2
Union								606									401										1	1
Valley							879																				1	
View																	229											
Walker								596							95			692							1			2
Wall																	754										2	
Warren							70									4219	494									7	5	
Washington							1851	545							54	75	1244								1	2	6	
Water															310													
Waverly																		272										1
West							2282							65	101		315							1	1		1	
Wiggin																	403										1	
Winter																		225										1
Woodman																	366											
Wyman																	220										1	
Hydrant branches							659	128							177		3256	131							6		212	11
Blow-offs								106							132		18	180					1	1	1		15	55
PENACOOK.																												
Penacook high service main			13110	1221									10584							1	1		8	3				
Canal, East						628									225	8										2		
Canal, West						422																				1		
Centre						479	245								247		369								1	1	2	
Charles							1777																				3	
Church							482																				1	
Crescent															635										2			
Cross						734																				2		
High							2100																				3	
Main				2573													150							3			1	

Main, West																1678										2		
Maple																	214										1	
Merrimack				57		1251	2023								37										3	2		
Penacook																850										2		
Pine																364												
Rolfe																1846										1		
Spring						652																			1			
Stark					529																			1				
Summer						1203		276																	3		1	
Union																	261										1	
Washington						1193									150	1080									1	2		
Winter																450										1		
Hydrant-branches							709									315										43	1	
Blow-offs								55									10						1			2	9	
Totals	2220	11391	16317	13189	1732	15320	23741	21753	522	26062	1963	2788	19788	9834	30030	14024	82875	34528	6	20	12	4	33	32	66	48	472	178

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, opposite E. W. Robinson's	1	
"	West side Hall, near F. H. George's	1	
"	West side Hall, opposite Hammond	1	
"	East side Hall, opposite W. H. Page's	1	
"	East side Hall, near Rumford Field	1	6
Hammond.	North side Hammond, near Bridge	1	1
Fiske.	West side Fiske, near North State	1	1
Summer.	Northeast corner Summer and Pitman.	1	1
Durgin.	East side Durgin, opposite Toof's laundry	1	1
North State.	Southwest corner North State and Penacook	1	
"	Northwest corner North State and Walker	1	
"	Northwest corner North State and Church	1	

FIRE-HYDRANTS.—*Continued.*

Streets.	Locations.	Number.	Total.
North State.	Northeast corner North State and Franklin	1	
"	Northwest corner North State and Tremont	1	
"	Northeast corner North State and Washington	1	
"	West side North State, opposite Court	1	
"	Northwest corner North State and Maple	1	
"	Northeast corner North State and Centre	1	
"	East side North State, opposite government building	1	
"	Southwest corner North State and School	1	
"	Northwest corner North State and Warren	1	
"	Northwest corner North State and Pleasant	1	13
South State.	East side South State, opposite Wall	1	
"	Northwest corner South State and Thompson	1	
"	Southwest corner South State and Monroe	1	
"	East side South State, opposite Laurel	1	
"	Northeast corner South State and Downing	1	
"	Northeast corner South State and West	1	
"	Southwest corner South State and Harrison	1	7
Mills.	West side Mills, near Levi Call's	1	1
Dakin.	West side Dakin, near C. E. Harriman's	1	1
Dunklee.	Northwest corner Dunklee and Pillsbury	1	1
Broadway.	Northwest corner Broadway and Allison	1	
"	Northwest corner Broadway and Stone	1	2
Green.	Northwest corner Green and Prince	1	
"	East side Green, opposite Prince	1	
"	Northwest corner Green and Warren	1	3
South.	West side South, opposite Wall	1	
"	Northwest corner South and Thompson	1	
"	West side South, opposite Monroe	1	
"	West side South, opposite Laurel	1	
"	West side South, opposite Downing	1	
"	West side South, opposite Allison	1	
"	West side South, near Abbot Farm	1	
"	West side South, opposite Smith farm	1	
"	Northwest corner South and Rockingham	1	
"	East side South, at Quint's	1	
"	West side South, near Bow line	1	11
Bradley.	Southwest corner Bradley and Penacook	1	
"	Northwest corner Bradley and Walker	1	
"	East side Bradley, opposite Highland	1	3
Union.	Northwest corner Union and Maple	1	1
Lyndon.	Southwest corner Lyndon and Tremont	1	1
North Spring.	Southwest corner North Spring and Centre	1	1
South Spring.	Southwest corner South Spring and Oak	1	
"	West side South Spring, opposite Concord	1	
"	West side So. Spring, opp. Perley proposed extension	1	3
Rumford.	West side Rumford, south of cemetery gate	1	
"	West side Rumford, opposite Perkins	1	
"	Northeast corner Rumford and 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	7
Tahanto.	Northwest corner Tahanto and School	1	1
Pine.	Southwest corner Pine and Centre	1	
"	Southwest corner Pine and Warren	1	2
High.	Northwest corner High and Auburn	1	
"	East side High, opposite Forest	1	
"	Southwest corner High and Franklin	1	3
Giles.	Southeast corner Giles and School	1	1
Princeton.	Southwest corner Princeton and Clinton	1	
"	Northwest corner Princeton and Noyes	1	2
Fruit.	Northeast corner Fruit and Woodman	1	
"	East side Fruit, opposite W. W. Critchett's	1	2
Minot.	West side Minot, near Odd Fellows' Home	1	
"	Northwest corner Minot and Pleasant	1	2

FIRE-HYDRANTS.—*Continued.*

Streets.	Locations.	Number.	Total.
Penacook.	South side of Penacook, east of P. B. Co.'s bark house	1	
"	South side Penacook, near P. B. Co.'s	1	
"	South side Penacook, near P. B. Co's office	1	
"	Southeast corner Penacook and North Main	1	
"	Southwest corner Penacook and Rumford	1	
"	Southeast corner Penacook and Columbus Avenue	1	6
Walker.	Southwest corner Walker and Martin	1	1
Highland.	Northeast corner Highland and Rumford	1	1
Church.	North side Church, opposite Lyndon	1	
"	Northeast corner Church and Rumford	1	2
Franklin.	Northwest corner Franklin and Jackson	1	
"	Southwest corner Franklin and Rumford	1	
"	South side Franklin, opposite W. J. Ahern's	1	
"	Northeast corner Franklin and Auburn	1	4
Beacon.	North side Beacon, opposite Merrimack School	1	
"	Northwest corner Beacon and Jackson	1	
"	South side Beacon, opposite Charles	1	3
Rowell.	Northeast corner Rowell and White	1	1
Blanchard.	Northwest corner Blanchard and Essex	1	1
Ferry.	North side Ferry, East of C. & M. R. R.	1	1
Washington.	Southwest corner Washington and Union	1	
"	Northeast corner Washington and Lyndon	1	
"	Northwest corner Washington and Rumford	1	
"	North side Washington, opposite Perry Avenue	1	4
Valley.	Northeast corner Valley and Forest	1	1
Auburn.	Northeast corner Auburn and Forest	1	1
Centre.	Northeast corner Centre and North State	1	
"	Southwest corner Centre and Green	1	
"	Northwest corner Centre and Union	1	
"	Northwest corner Centre and North Spring	1	
"	Northwest corner Centre and Rumford	1	
"	South side Centre, opposite Essex	1	
"	Southwest corner Centre and Summit Avenue	1	
"	Northeast corner Centre and Ridge Road	1	8
Bridge.	South side Bridge, near easterly barn	1	
"	North side Bridge, opposite Concord Coal Co.'s	1	
"	North side Bridge, opposite Concord Shoe Factory	1	3
Capitol.	Northeast corner Capitol and North State	1	1
School.	Northwest corner School and Green	1	
"	Northwest corner School and North Spring	1	
"	Northwest corner School and Rumford	1	
"	Northwest corner School and Merrimack	1	
"	North side School, opposite Holt	1	
"	North side School, opposite E. B. Woodworth's	1	6
Warren.	Southeast corner Warren and Fremont	1	
"	Northwest corner Warren and North Spring	1	
"	Northwest corner Warren and Rumford	1	
"	Southwest corner Warren and Merrimack	1	
"	Northwest corner Warren and Tahanto	1	
"	Northeast corner Warren and Liberty	1	
"	Northeast corner Warren and Giles	1	
"	Junction of Warren and Pleasant, near Fruit	1	8
Depot.	South side of Depot, at north end of train shed	1	
"	Northwest corner Depot and Railroad Square	1	2
Pleasant.	Northwest corner Pleasant and Railroad Square	1	
"	Southeast corner Pleasant and South	1	
"	Northeast corner Pleasant and Fremont	1	
"	Southwest corner Pleasant and Spring	1	
"	South side Pleasant, opposite Rumford	1	
"	South side Pleasant, opposite Merrimack	1	
"	South side Pleasant, opposite Pine	1	
"	South side Pleasant, opposite Liberty	1	
"	North side Pleasant, opposite 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	

FIRE-HYDRANTS.—*Continued.*

Streets.	Location.	Number.	Total.
Pleasant.	North side Pleasant, near J. McC. Hammond's	1	
"	South side Pleasant, opposite Fiske Road	1	
"	Southwest corner Pleasant and School Avenue	1	
"	North side Pleasant, opposite infirmary	1	
"	South side Pleasant, in field near gasometer	1	
"	South side Pleasant, near new Upper School	1	19
Mill Road.	East side Mill Road, near laboratory	1	
St. P. School.	North side Mill Road, at Orphan's Home	1	2
Old Hopkint'n road.	Junction old and New Hopkinton roads	1	1
Marshall.	North side Marshall, opposite Fuller	1	1
Freight.	North side Freight, at southwest cor. passenger sta'n	1	1
Hill's Avenue.	Southwest corner Hill's Avenue and Railroad Square	1	
"	Northeast corner Hill's Avenue and South Main	1	2
Fayette.	Northwest corner Fayette and Elm	1	1
Thompson.	North side Thompson, opposite Jefferson	1	1
Chandler.	South side Chandler, opposite Railroad	1	1
Concord.	South side Concord, opposite Jefferson	1	1
Monroe.	North side Monroe, opposite Grove	1	1
Thorndike.	Northeast corner Thorndike and Grove	1	
"	North side Thorndike, opposite Pierce	1	
"	Northeast corner Thorndike and South Spring	1	3
Laurel.	Northwest corner Laurel and Pierce	1	1
Perley.	Southwest corner Perley and South State	1	
"	Northwest corner Perley and Grove	1	
"	Northeast corner Perley and Pierce	1	
"	South side Perley, near old brook	1	4
Downing.	Southeast corner Downing and Mills	1	1
Clinton.	North side Clinton, opposite Avon	1	
"	Northeast corner Clinton and Fruit	1	
"	North side Clinton, near Snell's	1	
"	North side Clinton, at State Fair grounds	1	4
West.	North side West, near South Main	1	
"	North side West, near Badger	1	
"	North side West, opposite Dakin	1	
"	North side West, intersection Broadway	1	4
Avon.	Northwest corner Avon and South	1	1
Harrison.	Northwest corner Harrison and Morton	1	1
Allison.	Northwest corner Allison and Mills	1	1
Pillsbury.	North side Pillsbury, opposite Foster Ward	1	
"	Northeast corner Pillsbury and Broadway	1	2
Carter.	Northeast corner Carter and Eastman	1	1
Holly.	North side Holly, opposite W. D. Thompson's house	1	1
Rockingham.	Northeast corner Rockingham and Broadway	1	1
Prospect.	Northwest corner Prospect and Granite Avenue	1	1
Curtice Ave.	North side Curtice Avenue, near John C. Kenney's	1	1
North State.	West side North State, at Water-Works storehouse	1	
"	Northeast corner North State and Foster	1	
"	Northeast corner North State and Curtice Avenue	1	
"	East side North State, near W. H. Perry's	1	
"	East side North State, near north entrance Blossom Hill Cemetery	1	
"	West side North State, near Calvary Cemetery	1	
"	East side North State, near A. L. Colburn's	1	
"	East side North State, near Thomas Fox's house	1	
"	West side North State, at south line of prison wall	1	
"	West side North State, at north line of prison wall	1	
"	East side North State, near Asa L. Gay's	1	
"	Northeast corner North State and Palm	1	
"	West side North State, near Concord 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

FIRE-HYDRANTS.—*Continued.*

Streets.	Locations.	Number.	Total.
	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's	1	
"	East side North State, near Sewall's Falls Road	1	10
Electric.	Northeast corner of Electric and North State	1	
"	North side Electric, near power station	1	2
Clarke.	Northeast corner Clarke and Fisher	1	1
Lake.	East side Lake, near S. W. Kellom's	1	
"	East side Lake, near Mrs. G. E. Holden's	1	2
Knight.	South side Knight, opposite railroad station	1	1
Hutchins.	North side Hutchins, near B. T. Putney's	1	
"	North side Hutchins, near C. & C. Railroad	1	2
Penacook Rd.	West side Penacook Road, near Warner Road	1	1
	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 Mr. 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	9
West Main.	West side West Main, opposite cemetery	1	1
High.	East side High, opposite Summit	1	
"	Northwest corner High and Maple	1	
"	Northwest corner High and Spring	1	3
Washington.	Southeast corner Washington and Union	1	
"	South side Washington, opposite John Whitaker's	1	
"	South side Washington, opposite Charles	1	
"	South side Washington, near Contoocook bridge	1	4
Charles.	Southwest corner Charles and Warren	1	
"	North side Charles, near George W. Corey's	1	2
West Canal.	Southeast corner West Canal and Warren	1	1
East Canal.	North side East Canal, near Contoocook Mfg. Co	1	
"	North side East Canal, near Crescent	1	2
Crescent.	North side Crescent, east of Canal	1	1
Merrimack.	South side Merrimack, opposite Merrimack Avenue	1	
"	North side Merrimack, opposite D. W. Fox's	1	
"	North side Merrimack, opposite Cross	1	
"	South side Merrimack, opposite Rolfe's shop	1	
"	South side Merrimack, opposite Symonds' factory	1	
"	North side Merrimack, near road to Island	1	
"	Northwest corner Merrimack and Penacook	1	7
Summer.	North side Summer, opposite High	1	
"	Northeast corner Summer and Centre	1	2
Spring.	Northeast corner Spring and Church	1	1
Winter.	North side Winter, near Pleasant	1	1
Centre.	Northwest corner Centre and Spring	1	1
Cross.	Southwest corner Cross and Summer	1	1
Rolfe.	North side Rolfe, near James Corbett's	1	
"	Northwest corner Rolfe and Penacook	1	2
Penacook.	West side Penacook, opposite A. W. Rolfe's	1	1
	Whole number public hydrants		316

FIRE-HYDRANTS.—*Concluded.*

Streets.	Locations.	Number.	Total.
	PRIVATE HYDRANTS.		
	Concord Shoe Factory	1	
	Boston & Maine Railroad, upper yard	6	
	Boston & Maine Railroad, new shops	14	
	State prison	7	
	Abbot-Downing Co.'s yard	6	
	Page Belting Co.'s yard	5	
	W. P. Ford & Co.'s yard	1	
	N. H. State Hospital yard	5	
	Concord Gas Light Co.'s yard	1	
	St. Paul's School	1	
	Water-works pumping station grounds	1	48
	Whole number private hydrants		48

FIRE DEPARTMENT.

REPORT OF CHIEF ENGINEER.

To the Honorable Mayor and City Council:

I herewith submit for your consideration the following report of the Fire Department for the year 1905:

The department responded to sixty-three (63) bell alarms and one hundred and seventy-five (175) still alarms.

	Bell.	Still.	Total.
Precinct,	44	143	187
Penacook,	13	25	38
East Concord,	3	4	7
West Concord,	3	3	6
	63	175	238

The number of working fires, the value of property destroyed, the hazardous districts in which some of the fires occurred, with the attendant possibilities, the quantity of hose used and the hard labor performed will tend to make the year 1905 a memorable one to the members of the department.

The apparatus is in good condition. All of the engine boilers were tested and the machinery of engines No. 1, No. 2 and No. 4 repaired at an expenditure of three hundred and forty-five dollars.

One thousand feet of new hose purchased and the relining of nine hundred feet of old hose entailed an expenditure of twelve hundred and fifteen dollars. Cataract Engine Company

was provided with a double hydrant gate and two Eastman perfection holders at a cost of one hundred and thirty-five dollars. The fire-alarm telegraph is in good condition.

One indicator was added to the system at an expenditure of one hundred and twenty-five dollars and necessary repairing was conducted in a thorough manner.

All alarms were transmitted properly. Relative to recommendations pertaining to the improvement of the system I can but refer your honorable body to reports of former years.

Respectfully submitted,

W. C. GREEN,
Chief Engineer.

APPROPRIATIONS.

Appropriation,	$22,000.00
Joint resolution,	900.00
	$22,900.00

DISBURSEMENTS.

Permanent men,	$7,074.00	
Vacations,	620.50	
Rent Veterans' Association,	150.00	
Call men,	6,960.00	
Forage,	1,433.91	
Fuel,	912.43	
Lights,	665.20	
Incidentals,	2,365.50	
Horseshoeing,	310.00	
Horse hire,	602.00	
Laundry,	52.00	
Fire-alarm,	630.59	
Supplies chemical engine,	30.72	
Hose,	900.00	
Water,	119.50	
House man,	73.33	
		$22,899.68
Balance unexpended,		$0.32

ALARMS.

Precinct.

Still. January 5, 1.38 p. m. Chimney fire in residence of G. J. Dennerly, 4 Cottage Court. Extinguished by Chemical Company. No loss.

Still. January 5, 9.08 p. m. Chimney fire in residence of J. J. Trenoweth, 19 Charles Street. Extinguished by Chemical Company. No loss.

Still. January 6, 6.52 p. m. Chimney fire in residence of Rev. Thos. H. Stacy, 41 South Spring Street. Extinguished by Chemical Company. No loss.

Still. January 7, 9.56 a. m. Chimney fire in residence of Michael Ahern, 280 North State Street. Extinguished by Chemical Company. No loss.

Still. January 7, 6.29 p. m. Chimney fire in McShane's Block, Odd Fellows' Avenue. Extinguished by Chemical Company. No loss.

Still. January 9, 9.41 a. m. Chimney fire in Thompson's Block, 15 Pleasant Street. Extinguished by Chemical Company. No loss.

Still. January 10, 3.54 p. m. Chimney fire in residence of Eben Fellows, 7 Ford Avenue. Extinguished by Chemical Company. No loss.

Still. January 14, 10.12 p. m. Chimney fire in residence of Mrs. M. H. Freeman, 42 North Spring Street. Extinguished by Chemical Company. No loss.

Still. January 14, 10.58 p. m. Chimney fire in residence of Mrs. Don. Aldrich, 19 Monroe Street. Extinguished by members of Good Will Hose Company. No loss.

Box 42. January 15, 9.49 a. m. Fire in residence 67 South State Street, owned by Sarah A Barnard and occupied by John Sargent and J. C. Holt. Caused by overheated chimney. 350 feet hose wet. Recall, 10.02 a. m.

	Value.	Loss.	Insurance.	Ins. paid.
Building,	$3,000.00	$250.00	$2,000.00	$250.00
Contents:				
J. Sargent,	1,000.00	15.00	300.00	15.00
J. C. Holt,	1,000.00	21.00	200.00	21.00

STILL. January 19, 12.34 a. m. A call to investigate cause of smoke at 33 Auburn Street. Chemical Company responded. No fire.

STILL. January 22, 6.41 p. m. Chimney fire in Exchange Block, 98 North Main Street. Extinguished by Chemical Company. No loss.

STILL. January 26, 1.02 p. m. Chimney fire in residence of Mrs. E. E. Fury, 48 School Street. Extinguished by Chemical Company. No loss.

STILL. January 28, 8.20 a. m. Fire in White's Block, Capitol Street, owned by the Nathaniel White estate. Fire originated in closet in suite 6, occupied by Mrs. S. J. Benjamin. Cause, probably spontaneous combustion. Extinguished by Chemical Company.

	Value.	Loss.	Insurance.	Ins. paid.
Building,	$15,000.00	$136.00	$10,000.00	$136.00

STILL. February 1, 7.57 a. m. Chimney fire in residence of Thomas Reed, East Penacook Street. Extinguished by Chemical Company. No loss.

STILL. February 1, 9.43 a. m. Chimney fire in Thompson's Block, 15 Pleasant Street. Extinguished by Chemical Company. No loss.

STILL. February 2, 3.45 p. m. Slight fire on roof of Concord Coal Co. plant, Bridge Street. Caused by spark from smoke stack of stationary boiler. Extinguished by Chemical Company. Loss trifling.

STILL. February 3, 9.24 a. m. Chimney fire in residence of B. R. Jewell, 15 Essex Street. Extinguished by Chemical Company. No loss.

STILL. February 3, 6.30 p. m. Chimney fire in residence of George Lyna, 9 Dakin Street. Extinguished by Chemical Company. No loss.

Box 53. February 4, 7.49 a. m. Chimney fire in residence of William Lynch, 31 Hall Street. Extinguished by Chemical Company. Needless alarm. Recall 7.56 a. m. No loss.

STILL. February 4, 5.26 p. m. Chimney fire in residence of Augustine Provost, 45 Thorndike Street. Extinguished by Chemical Company. No loss.

STILL. February 4, 5.40 p. m. Chimney fire in residence of Miss A. M. Moulton, 33 Washington Street. Responded to by members of Alert Hose Company. See next alarm.

STILL. February 4, 5.53 p. m. A call for assistance from scene of preceding fire. Chemical Company being in service, Kearsarge wagon and detail from Central Station sent. No loss.

Box 16. Feb. 5, 12.59 a. m. Slight fire in closet in residence 35 Tremont Street, owned by John C. French and occupied by Isaac Leonard. Caused by overheated chimney. No hose wet. Recall 1.13 a. m.

	Value.	Loss.	Insurance.	Ins. paid.
Building,	$2,500.00	$8.00	$1,700.00	$8.00

STILL. February 6, 2.04 p. m. Chimney fire in residence of John Currier, 46 South State Street. Extinguished by members of Good Will Hose Company. No loss.

STILL. February 8, 12.10 p. m. Chimney fire in residence of N. M. Kayes, Jr., 30 Grove Street. Extinguished by Chemical Company. No loss.

STILL. February 11, 5.44 p. m. Chimney fire in residence of E. A. Royce, 42 South Street. Extinguished by Chemical Company. No loss.

STILL. February 16, 8.34 a. m. Chimney fire in residence of J. S. French, 25 Fayette Street. Extinguished by Chemical Company. No loss.

STILL. February 18, 12.52 p. m. Chimney fire in residence of Frank Reille, 147 North State Street. Extinguished by Chemical Company. No loss.

STILL. February 18, 3.30 p. m. Chimney fire in residence of John Currier, 46 South State Street Extinguished by members of Good Will Hose Company. No loss.

STILL. February 18, 5.05 p. m. Chimney fire in residence of J. W. Moulton, 44 Pillsbury Street. Extinguished by Chemical Company. No loss.

STILL. February 20, 1.08 p. m. A call to investigate cause of smoke in Board of Trade Building, 85 North Main Street. Chemical Company responded. No fire.