hundred and twenty-eight dollars each; drivers at Good Will and Alert Hose houses, seven hundred and twenty-eight dollars each per annum, paid monthly, assistant engineers, within the precinct, one hundred and twenty-five dollars each, engineers of steamers, within the precinct, one hundred and fifteen dollars each, foremen of companies, within the precinct, each ninety dollars per annum, assistant foremen of companies, within the precinct, eighty-five dollars per annum, members of steamer, hose and hook and ladder companies, within the precinct, and house man at Central Fire Station, eighty dollars per annum, outside the precinct, engine companies Nos 2 and 3, two hundred and forty dollars each, and Pioneer Steamer Company, No 3, five hundred dollars, said sums to be divided among the members as each company shall direct, engineer of steamer at Penacook, seventy-five dollars per annum; assistant engineer at Penacook, twenty-five dollars, assistant engineer at East Concord, fifteen dollars, and assistant engineer at West Concord, twenty dollars.

Section 28 amended Pay of members of Chemical Company advanced to eight hundred dollars August 15, 1907

Section 28 amended Pay of outside the precinct companies advanced as follows Pioneer Steamer Company, to six hundred dollars per annum, Engine Company, No 3, to three hundred and forty dollars per annum June 13, 1910

Pay of the East Concord branch of the service advanced by ordinance as follows Assistant engineer, to twenty dollars per annum, Old Fort Engine Co, No 2, to three hundred and forty dollars per annum, steward of Old Fort Engine Company, to thirty dollars per annum September 14, 1910

SECT 29. The several engineers residing in Wards 1, 2 and 3 shall have the entire care and control, under the direction of the chief engineer, of the buildings and appurtenances occupied in part by the fire department situated in said wards, respectively, to whom all applications for the use of the halls, or any other part of such building, shall be made. Said engineers may severally appoint janitors, who shall serve under the exclusive direction of the engineer having the care and control of the buildings where said

janitor shall be appointed. Each of said engineers shall annually, in the month of December, render a detailed statement, in writing, to the mayor and aldermen, of all receipts and expenditures for the preceding year on account of such buildings.

SECT 30 Stewards for the Pioneer Steamer Company and Engine Companies Nos. 2 and 3 shall be appointed by the mayor and aldermen, and shall receive for all services performed by them in that capacity the following sums: For Pioneer Steamer Company, thirty dollars per annum, and when performing the duties of janitor of the building an additional sum of forty-five dollars per annum, and for steward of Engine Company No. 2, thirty dollars per annum, and for steward of Engine Company No. 3, thirty dollars per annum. No steward shall be allowed to purchase supplies for such building, or for the department, unless by the authority and direction of the committee on fire department, and in no case shall he have any care or control of the building or its appurtenances occupied by the company of which he is a member, except in the immediate service of the company, unless he shall be appointed janitor thereof, when he shall be under the direction of the engineer, as provided in the foregoing section.

SECT. 31. The permanent men and horses at all of the fire stations in Concord shall at all times be on duty at their respective stations to attend to fire-alarm calls, and neither the permanent men nor the permanent horses connected with the fire department shall engage in any work for any other department of the city.

The men at the different fire stations shall do such work in connection with the station and apparatus as the chief engineer or his assistants may direct All permanent men shall lodge in their respective stations (except chief), and in all cases of absence a substitute must be furnished, and in all cases when any extra service is required, the chief, with the sanction of the committee on fire department, shall

have power to hire the same; the chief may also increase as far as possible the number of call men that wish to lodge at any fire station, subject to the regulations of the fire department The chief engineer shall be furnished with a horse and wagon, to be maintained by the city, for his use at all times.

SECT 32. All alarms for brush or forest fires shall be responded to by members of the fire department under such rules and regulations as shall be prescribed by the chief engineer

SECT 33 All ordinances and parts of ordinances inconsistent with this ordinance are hereby repealed, but such repeal shall in no wise revive or put in force any ordinance heretofore repealed, and this ordinance shall take effect upon its passage.

ADDITIONAL REGULATIONS

ARTICLE 1 Any engine or hose company running out a line of hose from a hydrant or steamer shall be entitled to the pipe, although the hose of other companies may be attached, in order to reach the fire And any company coming to a fire, and finding an incompleted line of hose laid out from a hydrant or steamer, shall attach to and lengthen out such line, in lieu of laying a line of its own.

ART. 2 When two or more engine companies are playing in a continuous line, the pipe shall belong to the company attaching to hydrant or steamer as provided in the foregoing article, but any company furnishing the entire line, and receiving water from a steamer, the pipe shall belong to such company so receiving.

ART. 3. Hose companies shall attach first lines to high pressure hydrants where accessible; steamers attaching to those of low pressure, or reservoir.

ART. 4. No company shall take possession of a hydrant or reservoir unless their hose and apparatus for attaching to the same are at hand and ready for use.

ART 5 In proceeding to, working at, or returning from fires, noisy demonstrations are strictly prohibited, and it is required of officers of companies to maintain perfect order and decorum in their respective commands during all such service

ART 6 In case of fire the foreman first arriving shall be in command until the arrival of an engineer.

ART 7. Drivers are strictly enjoined, in proceeding to a fire, to use the utmost care and caution consistent with promptness Racing between companies is forbidden under any circumstances. Any collision or casualty occurring to horses or apparatus will be considered a sufficient cause for the suspension of the driver in charge at the time

ART. 8. Fire hats are furnished by the city for the protection and identification of the firemen, and they must be worn at all fires except in the severest weather, when caps may be worn.

ART 9 While attending fires it shall be the duty of members of the department, when not performing active service, to concentrate about their respective pieces of apparatus

ART 10. All engine and hose companies responding to second or general alarms will connect, but will not lay their lines until they have reported to the officer in command for orders.

ART. 11. The wearing of badges shall not be regarded by members of the department as conveying to them the privilege of free access to premises after fire has been extinguished.

ART 12 All members of the department shall address all officers by their respective titles while on duty at fires.

ART. 13. The roll of each company shall be called as soon as the apparatus is housed, and no member will be excused

except in case of sickness. Rolls must be called after every alarm. No officer or member will be marked present on the company roll unless present at fires and returns to house with apparatus, unless excused by an engineer

ART 14. Each company shall be allowed three substitutes, except Hook and Ladder Company No 1, which shall have five, to be approved by the chief engineer

ART. 15 All orders issued by the chief or an assistant engineer shall be promptly obeyed. At all fires occurring in the night, the chief engineer shall be identified by a red light, assistant engineers by blue lights.

ART 16 Members of the department are expected to cheerfully comply with all rules and regulations which are adopted or which may be adopted Captains will be held responsible for all lack of promptness and efficiency in their commands.

ROLL OF THE FIRE DEPARTMENT, 1910.

Permanent Chief Engineer.

WILLIAM C GREEN, Office, Central Fire Station

Assistant Engineers.

PRECINCT

JOHN J MCNULTY, 1st Asst, Machinist, 35 West Street
WALTER J COFFIN, 2d Asst, Shipping clerk, 5 Short Street
JOHN J MCNULTY, Clerk of the Board

WARD 1

FRED M DODGE, Electrical Inst maker, 61 Merrimack Street

WARD 2

ELBRIDGE EMERY, Butcher, Potter St, East Concord

WARD 3

GEORGE W KEMP, Overseer, 443 No State St, West Concord

KEARSARGE STEAM FIRE ENGINE AND HOSE COMPANY, NO 2

OFFICERS

SYLVESTER T FORD, *Captain* J EDWARD MORRISON, *Lieutenant and Clerk*
JAMES H SANDERS, *Engineer and Treasurer*

MEMBERS

Badge Nos	*Names*	*Occupations*	*Residences*
1	Sylvester T Ford,	Moulder,	41 South Main Street
2	J Edward Morrison,	Machinist,	8 Thorndike Street
3	James H Sanders,	Carriage painter,	45 Perley Street
4	Thomas J Morrison,	Carriage painter,	32 Downing Street
5	Charles Powell,	Clerk,	75 Center Street
6	George B Davis,	Carriage painter,	3 South Main Street
7	Herbert M Sanders,	Collector,	11 Chapel Street
8	Harry P Blake,	Machinist,	8 Thorndike Street
9	Harry L Messer,	Machinist,	3 Broadway
10	W C B Saltmarsh,	Trimmer,	5 Leighton Avenue
11	Fred M Ingalls,	Painter,	45 Franklin Street
12	George L Livingston,	Gas inspector,	38 Jackson Street
13	A B Smart,	Permanent driver,	Central Station
14	E C Simpson,	Substitute driver,	Central Station

EAGLE STEAM FIRE ENGINE AND HOSE COMPANY, NO. 1.

OFFICERS

J C McGilvray, *Captain* D J Adams, *Lieutenant and Clerk*

MEMBERS

Badge Nos	*Names*	*Occupations*	*Residences*
18	John C McGilvray,	Jig sawyer,	9 Pearl Street
19	David J Adams,	Janitor,	107 North Main Street
20	Charles H Sanders,	Machinist,	11 Chapel Street
21	Orrin C Hodgdon,	Engineer,	31 Beacon Street
22	George H Downing,	Electrician,	12 South Street
23	John M Inman,	Carriage painter,	16 Wall Street
24	John B McLeod,	Electrician,	Colonial Block
25	Kenneth C Brunt,	Electrician,	Endicott Block
26	Charles W Bateman,	Plumber,	60 Center Street
27	W W Brown,	Clerk,	5 Union Street
28	F H Fowler,	Electrician,	34 North Spring Street
29	F C Young,	Clerk,	43 Warren Street
30	C G Pinkham,	Permanent driver,	Central Station

GOVERNOR HILL STEAMER, NO. 4.

RELIEF ENGINE

Badge Nos	*Names*	*Occupations*	*Residences*
34	Elmer H Farrar, *Engineer,*	Machinist,	78 South State Street
35	Henry O Powell, *Fireman,*	Blacksmith,	11 Thompson Street

ALERT HOSE COMPANY, NO 2

OFFICERS

George L Osgood, *Captain* E E Saben, *Lieutenant and Clerk*
George L Osgood, *Treasurer*

MEMBERS

Badge Nos	*Names*	*Occupations*	*Residences*
36	G L Osgood,	Clerk,	9 Thompson Street
37	E E Saben,	Car-builder,	88 North State Street
38	C C Chesley,	Builder,	11 Prince Street
39	C J French,	Mayor,	5 Perkins Street
40	C H Rowell,	Builder,	145 North Main Street
41	J H Brunelle,	Blacksmith,	43 Tremont Street
42	F P McKenna,	Mill operative,	13 Franklin Street
43	J M Davis,	Blacksmith,	4 Tahanto Street
44	J Winnistrom,	Lineman,	145 North Main Street
45	M G Davis,	Builder,	16 Beacon Street
46	F H Silver,	Permanent driver,	Alert Station

GOOD WILL HOSE COMPANY, NO. 3.

OFFICERS

JOHN C MILLS, *Captain* HIRAM T DICKERMAN, *Lieutenant and Clerk*
GEORGE H SAWYER, *Treasurer*

MEMBERS

Badge Nos	*Names*	*Occupations*	*Residences*
50	John C Mills,	Blacksmith,	34 Downing Street
51	Hiram T Dickerman,	Painter,	36 Broadway
52	George H Sawyer,	Blacksmith,	5 Allison Street
	Charles A Richards,	Wood-worker,	6 mos leave of absence
53	Frank S Putnam,	Packer,	113 South State Street
54	Jasper R Mudgett,	Wood-worker,	98 South State Street
55	Henry H Ash,	Machinist,	23½ Perley Street
56	Edgar D Clark,	Machinist,	125 South State Street
57	Albert W Thompson,	Janitor,	114 South State Street
58	Harry L Peacock,	Painter,	36 Warren Street
59	Herbert F Ferrin,	Electrician,	104 South State Street
		Acting for C A Richards,	
60	William T Happny,	Permanent driver,	Good Will Station

CITY OF CONCORD HOOK AND LADDER COMPANY, NO. 1.

OFFICERS

WILL A KING, *Captain* ED E LANE, *Lieutenant and Clerk*

MEMBERS

Badge Nos	*Names*	*Occupations*	*Residences*
64	Will A King,	Machinist,	38 Franklin Street
65	Ed E Lane,	Wood worker,	5 Fremont Street
66	Frank T Bean,	Wood worker,	Odd Fellows' Home
67	Benjamin Ouillette,	Wood-worker,	10 Jefferson Street
68	Henry V Tittemore,	Teamster,	57 Dunklee Street
69	Lucius D Caldon,	Wood-worker,	13 West Street
70	George W Grover,	Wood-worker,	29 Thorndike Street
71	Daniel Crowley,	Coachman,	130 Warren Street
72	Stephen P. Foster,	Wood-worker,	14 Wall Street
73	Sam B Morgan,	Wood worker,	10 Avon Street
74	Bion W Hall,	Carpenter,	15 Humphrey Street
75	Edwin H French,	Wood worker,	100 Warren Street
76	D Charles Parker,	Renovater,	63 South Street
77	Ned E Herrin,	Carpenter,	Ins Blk, School Street
78	Carmi L King,	Machinist,	34 Rumford Street
79	Louis Cote,	Carpenter,	68 South Spring Street
80	Clarence L Clark,	Clerk,	71 South Street
81	Bert J Heath,	Wood worker,	92 West Street
82	James F Liberty,	Carpenter,	9 Harvard Street
83	Guy C Richards,	Machinist,	52 Beacon Street.
84	Henry Newton,	Permanent driver,	Central Station

CHEMICAL ENGINE COMPANY, NO. 1.

Badge Nos	*Names*	*Occupations*	*Residences*
91	M S Wakefield,	Permanent engineer and driver,	Central Station
	M J Martin,	Permanent assistant engineer,	6 mos leave of absence
92	George C Robinson,	Acting for M J Martin,	Central Station

PIONEER STEAM FIRE ENGINE COMPANY, NO. 3.

Penacook.

OFFICERS

HENRY ROLFE, *Captain* — FRANK P ROBERTSON, *Lieut., Clerk and Treas.*
WALTER H ROLFE, *Engineer* — JOHN B DODGE, *Steward*

MEMBERS

Badge Nos	*Names*	*Occupations*	*Residences*
100	Henry Rolfe,	Highway agent,	26 Penacook Street.
101	Frank P Robertson,	Machinist,	6 Church Street
102	Walter H Rolfe,	Foreman,	37 Center Street
106	Fred H Morrill,	Sash-maker,	45 Summer Street
108	Albert S Andrews,	Miller,	50 South Main Street.
109	Alfred Beddow,	Stationary engineer,	44 Elm Street
110	John B Dodge,	Janitor,	59 Merrimack Street.
112	Fred C Ferrin,	Band sawyer,	46 South Main Street.
113	Peter A Keenan,	Table maker,	92 High Street
116	Frank A Faneuf,	Machinist,	13 Charles Street.
117	Fred J Guild,	Electrician,	46 Summer Street
118	George A Griffin,	Painter,	15 Washington Street
103	Harry F Jones,	Teamster,	7 Washington Street
119	Ruel G Morrill,	Farmer,	75 Washington Street
105	Fred Migneault,	Teamster,	3 Walnut Street
121	Cornelius W O'Brien,	Mill operative,	43 South Main Street
122	Edward G Kenney,	Machinist,	21 Pleasant Street
123	William Corbett,	Axle maker,	44 Center Street
104	Frank E Goodwin,	Teamster,	19 Washington Street
111	William H McGirr,	Second hand,	46 Charles Street
114	Thomas F O'Brien,	Electrician,	41 South Main Street
120	Frank D O'Brien,	Expressman,	19 Church Street
107	Joseph A York,	Moulder,	20 Main Street.
124	Delmar R Jones	Teamster,	123 Merrimack Street

OLD FORT ENGINE COMPANY, NO. 2.

East Concord.

OFFICERS

GEORGE O ROBINSON, *Captain* — JOHN C HUTCHINS, *Treasurer.*
C E ROBINSON, *Lieut and Clerk* — CHARLES P WHITE, *Steward*

MEMBERS

Names	*Occupations*	*Residences*
George O Robinson,	Water-dealer,	Penacook Street
C E Robinson,	Clerk,	Penacook Street
John C Hutchins,	Engineer,	Penacook Street
William L Batchelder,	Farmer,	Potter Street
Samuel G Potter,	Milk-dealer,	Appleton Street
Charles P White,	Janitor,	Pembroke Street
William E Virgin,	Carpenter,	Penacook Street
Rufus C Boynton,	Belt maker,	Penacook Street
Fred S Farnum,	Carpenter,	Penacook Street
Shad Cate,	Farmer,	Pembroke Street
Ross W Cate,	Horseshoer,	Penacook Street
Herbert Knowles,	Carpenter,	Shawmut Street
James Cox,	Section foreman,	Penacook Street
Daniel Lewis,	Driver,	Shawmut Street
Thomas Spaulding,	Farmer,	Portsmouth Street
Parker French,	Janitor,	Penacook Street
Westley Field,	Milkman,	Penacook Street
John W Sanborn,	Farmer,	Penacook Street
Walter C Sanborn,	Wood worker,	Portsmouth Street
Arthur P Swain,	Moulder,	Penacook Street
Michael Lacroix,	Blacksmith,	Eastman Street
Clarence Tibbetts,	Clerk,	Penacook Street
Reuben L Cate,	Carpenter,	Cemetery Street
John T Cate,	Carpenter,	Shawmut Street
C A Chamberlin,	Farmer,	Shawmut Street
William F Paige,	Painter,	Shawmut Street
Lloyd Virgin,	Carpenter,	Penacook Street
Henry A Newton,	Clerk,	Penacook Street
Daniel W Sanborn,	Machinist,	Shawmut Street
Solon W Cate,	Brakeman,	Penacook Street

CATARACT ENGINE COMPANY, NO 3.

West Concord.

OFFICERS

HIRAM E QUIMBY, *Captain* — ANDREW J ABBOTT, *Treasurer*
ALFRED J FRASER, *Lieut and Clerk* — FRANK C BLODGETT, *Steward*
PATRICK RYAN, *Foreman of Hose*

MEMBERS

Names	*Occupations*	*Residences*
Hiram E Quimby,	Stone cutter,	490 North State Street
Alfred J Fraser,	Stone-cutter,	458 North State Street
Andrew J Abbott,	Farmer,	382 North State Street
Jeremiah Cotter,	Blacksmith,	5 Engel Street
Patrick Ryan,	Stone cutter,	50 Hutchins Street
Abial C Abbott,	Quarryman,	513 North State Street
Frank G Peterson,	Stone-cutter,	346 North State Street
William D Harrington,	Mill operative,	50 Hutchins Street
Frank C Blodgett,	Stone cutter,	436 North State Street.
Edward Lovering,	Stone cutter,	1 Clark Street
Abram D Cushing,	Blacksmith,	517 North State Street.
Joseph Daley,	Blacksmith,	455 North State Street.
Luther E Rowe,	Quarryman,	453 North State Street
Robert Henry,	Silversmith,	513 North State Street
Benjamin Kemp,	Laborer,	461 North State Street
John Harrison,	Loom repairer,	519 North State Street
Clarence J Spead,	Plumber,	439 North State Street
Arthur Spead,	Stationary engineer,	439 North State Street
Matthew H Peabody,	Stationary engineer,	14 View Street
Carl A Anderson,	Stationary engineer,	458 North State Street

VETERANS' AUXILIARY COMPANY.

OFFICERS

WILLIAM E DOW, *Captain* — FRED S JOHNSON, *Lieutenant*

MEMBERS

W E Dow,	W M Chase,	W W Kennedy,
J E Howard,	C F Thompson,	A O Mansur,
E F Horne,	D L Neal,	O Thompson,
F D Hurd,	A H Britton,	E A Saltmarsh,
G H Davis,	C A Herbert,	D B Newhall,
J M Colbert,	Fred S Johnson,	W K Wingate,
D Holloran,	A L Walker,	C H Barrett,
C E Palmer,	S S Upham,	F Leighton,
C C Hill,	A G Jewett,	H P Bowers,
C L Mason,	F T Smith,	E D Ashley

REPORT OF CITY ENGINEER.

CITY ENGINEER'S OFFICE, CITY HALL,
CONCORD, N H, December 31, 1910

To the City Council:

In compliance with the ordinance creating this department, the following report of the expenses and operations of the engineering department for the year ending December 31, 1910, is respectfully submitted

Paid for engineer and assistants,	$3,167 25
supplies,	119 77
car-fares and livery,	118 53
postage,	3 73
repairs,	5 00
express,	2 05
telephone rental and tolls,	28 75
register of deeds, for transfer cards,	13 35
	$3,458 43
Appropriation,	$3,600 00
Expended,	3,458 43
Unexpended balance,	$141 57

There was deposited to the credit of this department the sum of $3 75 for the sale of blue prints of Blossom Hill Cemetery, for which amount the city engineer holds the receipt of the city treasurer

Sewers

Again I call your attention to the inadequate areas in the sewer mains, for the proper discharge of surface water and earnestly recommend that some work be done to relieve their present congested condition

The fact that many premises have not been seriously flooded during the past three seasons, can only be ascribed to the unusually low rate of rain-fall during this period In ordinary seasons numerous complaints are received and many houses are often flooded with the attendant inconveniencies and possible dangers

The mains should be enlarged as rapidly as possible, as the most damage is done in some of the more remote districts from the outlets, and no relief can be given the residents in these sections until larger mains are provided to take care of the territory not included (thirty-five years ago) at the time of the building of our present system The laterals, generally speaking, are of sufficient capacity to meet the demands upon them and the principal troubles are in the more costly mains

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

Streets

Noyes Street was extended westerly from Harvard Street, to Dartmouth Street, a distance of 658 25 feet

Kensington Road was laid out from Pleasant Street northerly 1,019 72 feet, adding 31 miles to the present mileage, making it in the compact portion 44 75 miles The outside mileage remains the same, viz 126 26 miles and a total of 171 01 miles in the town

Descriptions for two streets, conditionally laid out, on the Stevens property, were filed with the city clerk

Lines and grades were given for the macadam roadway on the Fishersville Road, the gravel roadway on the Loudon Road, the gravel roadway on South Street, and for various sidewalks, when requested, together with the usual monthly statements of coal-tar concrete sidewalks laid during the season for such work

Fire Department

The plans showing the location of hydrants and fire-alarm boxes, in the city proper, together with those in Penacook, were brought up to date and blue prints turned over to the chief engineer of the department

Building Permits

In company with the chief engineer of the fire department I have attended nineteen hearings, on petitions for new buildings and for alterations to existing structures

Eighteen of the petitions were granted, one referred to the mayor and aldermen, who denied the prayer of the petitioner

Cemeteries

In Blossom Hill Cemetery a portion of a new block was graded and laid out in lots, and data secured for the final grading and laying-out of the balance of this block

No time was available to make the necessary surveys for a contour map of the southerly addition to this cemetery

Lands and Buildings

Plans of the land purchased in the rear of the Central Fire Station were furnished this committee, together with data on proposed locations in Ward 7, and sketches of present floor space and arrangement of the Central Station

Assessors' Maps

All time available was spent on this work, with the result that we have added to the territory previously covered, that portion of the city lying between the Merrimack River on the east, Bow line on the south and west, Clinton Street, Turkey Pond, the Dunbarton Road, Pleasant Street, South Fruit Street, the Noyes property, South Street, Bow Street, Stone Street, Holly Street, South Main Street, Water Street to the Old Ferry Road and from the Old Ferry Road to the Merrimack River, on the northerly side of the district enclosed

There was appropriated for this work the sum of $500, there was expended $608 85, the balance over and above the appropriation was taken from the appropriation for the engineering department

The employees of this department during the past season were Fred W Lang, principal assistant, George W Bowers, transitman, Herbert C Wallace, Henry S Donovan, Gerald O Miller, Frederick H Colburn and Edward C Smith, rodmen

The work of the hydrant commissioners and the board of examiners of plumbers will be found under their respective headings in reports to the city council

To the mayor and the city council I wish to express my appreciation for their support and co-operation, and to the heads of other departments who have extended courtesies to this department

West Concord Sewer Precinct

Paid for flushing,	$16 23
over-draft, 1909,	52 47
	$68 70
Appropriation,	$150 00
Expended,	68 70
Unexpended balance,	$81 30

Saint Paul's School Precinct

Funds available,	$78 86
Expended for water used in flush tanks,	45 00
Unexpended balance,	$33 86

East Concord Precinct

No repairs were made in this precinct and the balance on hand remains the same as last year, viz $127 53

City Precinct, New Sewers

SOUTH MAIN STREET, SOUTHERLY FROM MCKINLEY STREET

205 feet of 12-inch Akron pipe

Paid for labor,	$188 55
pipe,	88 54
cement,	5 85
brick,	12 75
castings,	12 13
trucking,	8 03
	$315 85

Average cost per lineal foot, $1 540+

Material excavated, loam and sand

SCHOOL STREET

Extended westerly from manhole at terminus of the West End sewer

82 feet of 8-inch Akron pipe

Paid for labor,	$97 71
pipe,	13 86
cement,	2 00
castings,	68
cast-iron pipe,	5 96
trucking,	5 00
	$125 21

Average cost per lineal foot, $1 526+

Material excavated, gravel, marl and boulders

PRINCETON STREET

Sewer extended southerly

210 feet of 10-inch Akron pipe

Paid for labor,	$60 15
pipe,	73 32
cement,	1 95
trucking,	8 03
oil,	65
	$144 10

Average cost per lineal foot, $0 686+

Material excavated, sand

RUMFORD STREET

North of Walker Street

200 feet of 8-inch pipe

Paid for labor,	$71 17
pipe,	42 84

Paid for trucking,	$5 00
oil,	65
	$119 66

Average cost per lineal foot, $0 598+
Material excavated, gravel

REPAIRS

Abbott Street,	$15 11
Summit Street,	1 90
Fayette Street,	3 21
South Main Street,	11 77
Bowery Avenue,	7 19
Beacon Street,	39 89
Pleasant Street,	9 85
Jefferson Street,	4 89
East of Main Street,	33 68
20-inch outlet, under Railroad,	367 75
Prince Street,	1 50
	$496 74

FLUSHING

Paid for labor, teams and oil,	$387 67
Paid for tools,	$9 84
Expended for new work,	$704 82
repairs,	496 74
flushing,	387 67
tools,	9 84
	$1,599 07
Over-draft, 1909,	273 37
Total expenditure, 1910,	$1,872 44

Appropriation,	$2,000 00
Expended,	1,872 44
Unexpended balance,	$127 56
Credit, material sold,	8 75
Net balance on hand,	$136 31

SEWERS BUILT IN 1910

12-inch pipe,	205 feet
10-inch pipe,	210 "
8-inch pipe,	282 "
Total,	697 feet

SEWERS BUILT IN CITY PRECINCT TO DECEMBER 31, 1910

6-inch,	1,928 feet
8-inch,	25,285 "
10-inch,	50,732 "
12-inch,	39,427 "
15-inch,	11,310 "
18-inch,	6,404 "
20-inch,	4,549 "
24-inch,	3,370 "
30-inch,	1,024 "
Brick, 12-inch x 14-inch,	2,758 "
16-inch x 24-inch,	1,848 "
14-inch x 22-inch,	350 "
20-inch x 32-inch,	2,527 "
24-inch x 36-inch,	17,937 "
28-inch x 48-inch,	883 "
24-inch circular,	1,515 5 "
30-inch circular,	402 "
38-inch circular,	4,080 "

24-inch cast-iron,	1,576 feet.
30-inch cast-iron,	1,054 5 "
42-inch concrete and brick,	246 "
60-inch concrete and brick,	1,450 "
Total,	180,656 feet.

Total miles in city precinct to date, 34 21+

Respectfully submitted,

W B HOWE,
City Engineer.

POLICE DEPARTMENT.

REPORT OF CITY MARSHAL.

GENTLEMEN I have the honor to submit to you the report of the police department for the year beginning January 1, 1910, and ending December 31, 1910.

ROSTER.

POLICE COMMISSIONERS.

Giles Wheeler, G Scott Locke, Benjamin W. Couch.

CITY MARSHAL.

George A. S. Kimball.

ASSISTANT CITY MARSHAL.

Charles H. Rowe.

CAPTAIN.

Daniel S. Flanders.

REGULAR PATROLMEN

Samuel L Batchelder,	Irving B. Robinson,
Hoyt Robinson,	George H. Silsby,
Christopher T. Wallace,	Elmer J. Brown,
Samuel Rodd,	Albert W. Braley,
Victor I. Moore,	Edward J. McGirr,

Harry L Woodward

Janitor of Police Station--George W. Brown

Special Reserve Officers.

CAPTAIN

Thomas P. Davis.

Harry F. Jones,	W A Little,
Joseph A. Flanders.	Fred H. Clifford,
George G. Allen,	Alvin H. Urann,
Orrin H. Bean,	W H. H. Patch,
Charles E Kelly,	Fred S Pendleton,
Harper B. Giles,	Charles W. Hall,
Fred N Marden,	Joseph E Silva,

George E. Drury

Financial Statement

Total receipts for fines and costs,	$1,989 79
Total appropriation for 1910,	$15,172 32
Special appropriation,	793 47
Amount expended for the year 1910,	$15,965 79

Disbursements

Fuel for city and Penacook,	$408 09
Helmets and buttons,	13 50
Horse hire, city and Penacook,	29 50
Board and shoeing horse,	385 00
Ice,	2 68
Incidentals,	876 35
Salaries,	13,751 07
Lights, city and Penacook,	142 28
Water,	43 00
Telephone signal system,	164 32
Police commissioners,	150 00
Total,	$15,965 79

Number of Arrests and Causes.

Whole number of arrests, including Penacook,	586
Whole number of arrests at Penacook,	31
Brought before the court,	445
Discharged by the court,	9
Discharged without being brought before the court,	132
Adultery,	4
Assault,	20
Assault with intent to kill,	2
Aggravated assault,	2
Breaking and entering,	2
Forgery,	2
Gambling,	6
Drunkenness, including Penacook,	281
Drunkenness at Penacook,	16
Non-support,	7
Evading railroad fare,	4
Fornication,	3
Insane,	22
Bigamy,	1
Larceny,	25
Rude and disorderly conduct,	8
Safe keeping,	109
Threatening to do bodily harm,	2
Vagrancy,	1
Refusing to send children to school,	3
Bastardy,	3
Attempting to commit an unnatural act,	1
Keeping liquor for sale,	9
Receiving stolen property,	1
Selling liquor,	2
Cruelty to animals,	3
Exposure of person,	1
Keeping beer for sale,	6
Fighting,	4
Selling junk without a license,	1

Malicious mischief,	1
Overspeeding automobiles,	24
Overspeeding motor cycles,	1
Keeping unlicensed dogs,	1
Fugitives from justice,	1
Obstructing an officer,	1
Riding bicycles on sidewalk,	2
Running automobile without lights,	1
Breaking seal on car,	1
Rape on woman child,	1
Embezzlement,	1

MISCELLANEOUS

Whole number of lodgers, including Penacook,	1,435
Whole number of lodgers at Penacook,	483
Number of doors found open and secured, including Penacook,	135
Number of doors found open and secured at Penacook,	7
Lost children returned to their parents,	13
Disturbances quelled,	13
Stray teams found,	5
Stray horses found,	2
Number of times ambulance used,	89
Number of duty calls rung in on police signal,	31,672
Accidents reported,	9
Dogs killed,	7
Bicycles found,	16
Dead bodies found,	3
Cases investigated by officers,	389
Defects in sidewalks and streets reported,	6
Dangerous dogs reported,	3
Dangerous wires reported,	6
Fire alarms rung in by officers,	3
Gas street lights reported out,	10

Horses found cast,	4
Intoxicated persons helped home,	3
Lights reported out,	223
Liquor search warrants served,	22
Number of officers attending fires,	87
Sick persons given aid at station,	12
Sick and injured persons assisted,	5
Bound over to the superior court,	22
Committed to jail,	13
Committed to Industrial School,	2
Committed to House of Correction,	65
Committed to New Hampshire State Hospital,	22
Number of fines paid,	209
Mittimus not to issue till called for,	91
Appeals,	2
Assistance rendered at drowning accidents,	4

LOCATION OF POLICE SIGNAL SERVICE BOXES.

Box 1	South Main and State Streets.
Box 2	South Main and West Streets.
Box 3	South Main and Concord Streets
Box 4	South Main and Pleasant Streets
Box 5	North Main and School Streets
Box 6	North Main and Park Streets
Box 7	North Main and Washington Streets
Box 8	North Main and Church Streets
Box 9	North State and Penacook Streets
Box 10.	North State, opposite Cemetery
Box 11	West Concord.
Box 12	Penacook
Box 13	Washington and Union Streets.
Box 14	South, near Thompson Street
Box 15	South and Downing Streets
Box 16.	White Park

Recommendations

Last summer a motor cycle was purchased for this department, which has proved a valuable acquisition in regulating traffic, patroling the outlying districts and regulating the speed of automobiles and motor cycles Officer E J. McGirr of Penacook was detailed to operate the motor cycle, a few hours each afternoon, and did good work considering the small amount of time spent in operating the machine It seems to me necessary that the motor cycle should be in operation practically all day, and in order to bring this about Officer McGirr should be transferred to the city and another officer appointed to take his place at Penacook During the year past, the department has been seriously handicapped on account of several of its members having been ill, necessitating the hiring of special officers Oftentimes it is impossible to get a special to work nights as most of these men are employees of the railroad and work at their trade during the day The city having voted to license the sale of intoxicating liquors, makes more business for the police, and I am of the opinion that two officers should be on duty on the street practically all day As the conditions are now, it cannot be done without crippling the night squad, and, in my opinion, this ought not to be done I would therefore recommend the appointment of two officers

Conclusion

I desire to express my thanks to the Honorable Mayor and City Council for their kindness and support, also the Board of Police Commissioners, Judge of the Police Court and City Solicitor Edmund S Cook, for their kind and courteous treatment I also thank all other officers and police departments of other cities who have given us assistance the past year. To the members of this depart-

ment, I say thank you for your attention to your duties and your assistance in helping me in trying to make this department a good one.

Respectfully submitted,

GEORGE A S. KIMBALL,
City Marshal.

REPORT OF PROBATION OFFICER.

January 1, 1911

HON. GEORGE M. FLETCHER, Concord, N H

DEAR SIR,—I submit herewith a report of the juvenile court of Concord for the year beginning September 1, 1909, and ending August 31, 1910 It will be noted that the year which the statistics of this report covers is not consistent with the reports of other municipal departments, but the juvenile court law provides for uniform reports from all juvenile courts of the state and I believe I will avoid confusion if I follow the statute rather than the custom governing local departments' reports

It is interesting to make at this time a comparison of the following statistics with those of the first year of the juvenile court law. The effectiveness of the new law in securing the desired results by means of the probation policy is most apparent from such comparison Sessions of the juvenile court were frequent in the first year Probation was ordered in every case, yet it has been found necessary in only three of those early cases to order Industrial School sentences, thus effecting a large money saving to both the city and state At the same time, many of the Concord boys have shown that they were not inherently bad and have been saved, by the operation of this law, the disgrace attending an Industrial School term. In that first year the court reached the boys who had been giving more or less trouble for the police and truant officer up to that time The season of probation proved so effective, however, that in the three years that have elapsed, only in the three cases noted above has it been found necessary to bring the respondents into court a second time.

The fourteen cases enumerated below should, in my opinion, be considered transient, and I anticipate the number represents about what may be expected from year to year It is gratifying to all interested in the juvenile court law to note the effect of the probation system on the amount of truancy in the public schools I understand the truant officer comments on this further in his annual report.

ANNUAL REPORT

From August 31, 1909, to August 31, 1910

Total number of cases,			16
Boys, stubborn child,		6	
" violation local ordinance,		1	
" truancy,		1	
" miscellaneous charges,		7	
Girls, miscellaneous charges,		1	
Total,		16	
Disposition of above cases			
Sentenced to Industrial School,	5		
Committed to Industrial School,	1	(boy)	
Committed to Industrial School,	1	(girl)	
Probation, now in force,	9		
	16		
Home conditions investigated and report made to State Board of Charities,			16
Home conditions investigated in cases not presented in court,			6
Dependent children placed in institutions,			3
Attendance upon meetings or conferences of charities and corrections,			3

GEORGE V. HILL,
Probation Officer

WATER DEPARTMENT.

1910

BOARD OF WATER COMMISSIONERS

CHARLES J FRENCH, Mayor, *ex officio*

HARRY H DUDLEY,	to March 31, 1914.
NATHANIEL E MARTIN,	to March 31, 1914
SOLON A CARTER,	to March 31, 1913.
HARLEY B ROBY,	to March 31, 1913
HENRY C HOLBROOK,	to March 31, 1912
HENRY E. CONANT,	to March 31, 1912
EDSON J HILL,	to March 31, 1911.
GEORGE D B. PRESCOTT,	to March 31, 1911

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

SUPERINTENDENT

P R SANDERS

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 in 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.

* Deceased

William P. Fiske,	1891-1902.
James H Chase,*	1891. Died in 1893.
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,*	1903-1909.
Henry C Holbrook,	1903. Now in office
Harley B Roby,	1905 Now in office.
Charles J French, *ex officio,*	1909. 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.

* Deceased

John Kimball,	1878. Resigned July 1, 1891.
William P. Fiske,	1891-1902.
Solon A. Carter,	1902. Now in office

SUPERINTENDENTS.

V. C. Hastings,*	1873. Died March 14, 1907.
P. R. Sanders,	1907 Now in office.

* Deceased

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

* Original cost, $5,000, land sold for $100

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

Paid O F Richardson, for land,	$100 00
M H & C R Farnum, for land,	4,500 00
Cook & Hood, for land,	1,750 00
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 Halloran, for land,	600 00
Wheelock Club, for land,	1,400 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,	32,756 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,	370,611 32
service pipe,	56,224 32
reservoir,	42,460 09
pumping station, shop, stable and storehouse,	22,954 48

* Original cost, $1,500, house sold for $100

Cost of pumping machinery,	$17,000 42	
engineering and superintendence,	14,913 12	
incidentals,	6,531 19	
Cost of works, January 1, 1911,		$1,004,568 88

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, 1911,	4,	$4,000.00
Jan. 1, 1911,	3,	1,000.00
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,	5,000 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
Nov. 1, 1920,	3,	7,000.00
Nov. 1, 1921,	3,	4,000 00
April 1, 1921,	3½,	5,000 00
Jan. 1, 1922,	4,	399,000 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
		$575,000.00

REPORT OF THE WATER COMMISSIONERS.

OFFICE OF THE BOARD OF WATER COMMISSIONERS,

CONCORD, N. H., January 30, 1911.

To His Honor the Mayor and the City Council:

The Board of Water Commissioners transmits herewith the report of Percy R. Sanders, superintendent, exhibiting in detail the operations of the department for the year 1910, which is made a part of this report.

The outlay for extensions the past year has not been large and the revenue has provided for the cost of maintenance, the payment of interest on the water debt, the redemption of the annual instalment of $10,000 of the water debt, and to anticipate the payment of $15,000 of the water bonds of later maturities, thus materially reducing the annual interest charge and reducing the water debt to $575,000.

The construction account of our water system on January 1, 1911, was $1,004,568.88; the water debt was $575,000; extensions and improvements paid from earnings, $429,568.88.

The condition of the plant is eminently satisfactory.

The board takes this opportunity to express its appreciation of the faithful service of the superintendent and employees in the departments under its immediate jurisdiction.

Respectfully submitted,

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

REPORT OF THE SUPERINTENDENT.

To the Board of Water Commissioners:

I herewith present to you the thirty-ninth 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, 1910

RECEIPTS.

For water, from consumers by fixed rates,	$18,075 18	
For water, from consumers by meter rates,	49,821 04	
From delinquents,	100 12	
For shutting off and turning on water,	2 00	
water for building purposes,	28 00	
hay and apples sold,	58.00	
pipe and stock sold and labor,	450 37	
old brass and iron sold,	51 33	
wood sold,	32.00	
insurance,	126 77	
		$68,744 81
Deduct abatements,		71 10
Net receipts for 1910,		$68,673 71

EXPENDITURES.

GENERAL EXPENSES

Paid pay-rolls, salaries and labor,	$9,391 54	
S. G Sanborn, rent of shop in Penacook,	24 00	

Paid Ira C Evans Co , printing and postage,	$218 47
Rumford Printing Co , books,	72 75
F. H McArdle, office supplies,	12 75
Pneumatic Hand Stamp Co , office supplies,	3 31
W C Gibson, office supplies,	2 25
Library Bureau, office supplies,	2 00
Kee Lox Mfg Co , office supplies,	1 75
George H Richardson, office supplies,	1 50
Concord Evening Monitor, advertising,	4 85
Patriot Publishing Co , advertising,	2 20
Concord Electric Co , lighting,	12 87
N E Telephone & Telegraph Co , telephones,	111 19
W A Thompson, rubber boots,	12 00
Thompson & Hoague Co , hardware,	70 78
W L Jenks & Co , hardware,	54 63
A. H Britton & Co , hardware,	1 40
Joseph T Walker, hay,	192 25
Walter S Dole, grain and straw,	146.75
G N. Bartemus & Co , grain and straw,	77 95
H L Sanders, door sill,	6 00
Henry Scannel, boat,	8 00
Philip W Ayres, grass seed,	63 25
Elmer Trombly, tree climbers,	2 75
J. H. Coburn, brick,	5 50
Ford & Kimball, coke,	3 40
Tragle Cordage Co , jute,	22 44
F. W. Sanborn, dynamite,	33 15

Paid	Eagle Oil & Supply Co , packing and paint,	$35 51
	Concord Lumber Co., lumber,	46.87
	Page Belting Co., stock and labor,	54 24
	Batchelder & Co., oil, etc ,	30.06
	C. H Martin & Co., naphtha, lard oil, etc.,	26 40
	Woodworth & Co , cement,	46 65
	F. N. Marden & Co., cement,	3 20
	Builders' Iron Foundry, castings,	127 02
	Concord Foundry & Machine Co., castings,	93.49
	George H. Snell, castings,	16 40
	Cushman Electric Co., pattern work,	7.10
	Water-Works Equipment Co., castings and valves,	458.25
	Ludlow Valve Mfg Co., valves and hydrants,	698 41
	Rensselaer Mfg Co , valves and hydrants,	329 00
	Norwood Engineering Co , hydrants,	114 00
	Chapman Valve Co., hydrant,	32 00
	Bingham & Taylor, gate boxes,	77.57
	Walworth .Mfg. Co., wrought-iron pipe, tools and fittings,	428 57
	George E Gilchrist Co., pipe and fittings,	80.55
	Braman Dow Co., brass goods, tools and fittings,	89.71
	H Mueller Mfg Co., brass goods,	69 67
	Crane Co , fittings,	16 43
	Orr & Rolfe, fittings,	4.56
	Concord Pipe Co., fittings,	3.28

Paid Harold L. Bond Co., tools,	$4.67
Thomson Meter Co., meters and repairs,	798.00
National Meter Co., meters and repairs,	761.30
Neptune Meter Co., meters,	546.00
Henry R. Worthington, meters,	216.00
Pittsburg Meter Co, meters,	151.20
Union Water Meter Co., meters and repairs,	134 02
Globe Horseshoeing Shop, smith work,	65 85
Ross W. Cate, smith work,	16.50
J M Crossman, smith work,	4.78
Chandler Eastman Sons Co., repairs,	76.93
Abbot-Downing Co, repairs,	61.75
Holt Bros. Mfg. Co., repairs,	9.40
C Pelissier & Co., repairs and supplies,	71.45
James Cookson, repairs,	5 50
Henry M. Richardson, team work and horse hire,	146 00
George L. Theobald, team work and horse hire,	52.53
N. H Auto Co., auto hire,	15 00
F W. Sanborn, auto hire,	12 00
E S King, auto hire,	9 00
F. A. Clough, horse hire,	60 00
Caleb P. Little, horse hire,	13 33
George F Tandy, repairing concrete,	103 75
city highway department, repairs,	1 06
Rowell & Plummer, mason work,	13 95
J H Cox, mason work,	10.22
Hutchinson Building Co., lumber and labor,	879.44

Paid B Bilsborough & Son, painting,	$31 14	
C W Dadmun, electrical work,	6 73	
C. E. Burchsted, veterinary services,	16 50	
Morrill & Danforth, insurance and bond,	233 02	
Eastman & Merrill, insurance,	18 00	
Boston & Maine Railroad, freight,	45 89	
town of Webster, taxes,	60 00	
Engineering News,	5 00	
A G. Cochran, clerk, cash paid out, car-fares, express, postage, etc ,	83 55	
P. R Sanders, expenses to W. W convention,	35 00	
incidentals,	89 87	
		$18,314.95

PUMPING STATION EXPENSES

Paid pay-rolls, engineer and fireman,	$1,060 00	
labor on fuel,	64 12	
S. P. Burton & Co , coal,	952 83	
Concord Lumber Co., slabs,	72 48	
Eagle Oil & Supply Co , packing and supplies,	92 12	
Northern Specialty Co , supplies,	28 00	
McLeod & Henry, fire-brick,	5 00	
National Paint & Varnish Co., paint,	42 45	
Thompson & Hoague Co., hardware,	16 35	
W. L Jenks & Co , hardware,	9 50	
Page Belting Co., fittings,	3 31	
Orr & Rolfe, fittings,	1 00	
George F. Tandy, concreting,	92 33	

Paid M L Swain & Co , mason work,	$6 75	
Boston & Maine Railroad, freight and repairing siding,	299 23	
Concord Light & Power Co , lighting,	9 65	
N E. Telephone & Telegraph Co , telephone,	37 50	
		$3,454 10
Total expenditures for 1910,		$21,769.05

The expenditures are divided as follows

GENERAL EXPENSES.

For care and maintenance,	$5,472 31	
office expenses,	1,202 41	
inspection,	780 00	
care and repair of hydrants,	259 46	
new service-pipes,	1,399 21	
new distribution-pipes,	1,653 58	
new hydrants,	1,867 07	
new meters,	2,669 47	
repairs on dam,	48 78	
work at Penacook Lake,	946 36	
care of wood-lots at Penacook Lake,	613 23	
addition to stable,	954.48	
incidentals,	448 59	
		$18,314.95

PUMPING STATION EXPENSES.

For salaries, engineer and fireman,	$1,660 00	
fuel,	1,368 94	
oil and packing,	151 05	
repairs,	169 00	
supplies,	57 96	
lighting and telephone,	47 15	
		$3,454.10

EXTENSIONS AND IMPROVEMENTS.

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

In South Street,

south from Noyes to Bow Street, 1,072 feet 10-inch pipe in place of 6-inch cement-lined pipe discontinued.

In South Fruit Street,

south from Pleasant Street to opposite W W. Critchett's, 1,411 feet 6-inch pipe in place of 4-inch cement-lined pipe discontinued

In Perley Street,

west from Pierce to South Street, 635 feet 6-inch pipe in place of 4-inch cast-iron pipe discontinued.

In Kimball Street,

extended south from Pillsbury to Carter Street, 400 feet 6-inch pipe.

In Sewall's Falls Road,

north from junction with North State Street to Second Street, 345 feet 6-inch pipe in place of 2-inch pipe discontinued.

In Second Street,

east from Sewall's Falls Road, 170 feet 6-inch pipe in place of 1-inch pipe discontinued.

In Hall Street,

extended south, 167 feet 6-inch pipe

In View Street,

extended south, 27 feet 6-inch pipe.

In Odd Fellows Avenue,

extended south, 28 feet 4-inch pipe

On hydrant branches,

279 feet 6-inch pipe, 15 feet 6-inch cement-lined pipe discontinued.

Also 681 feet of 1-inch pipe

Fifteen new hydrants have been set as follows

On Prospect Street, north of Granite Avenue.
On Highland Street, between Bradley and Rumford
On Chestnut Street at High.
On Auburn Street at Chestnut.
On Auburn Street, between Centre and Forest
On Westbourne Road, north of Mrs. F. P. Hallett's.
On Beacon Street at Lyndon
On South Street at Fayette
On South Street, below N. H. Memorial Hospital.
On South Spring Street, opposite Thompson.
On South Fruit Street, near H. T Gilman's.
On Second Street, West Concord, near A. H. Knight's.
On Fisher Street, West Concord, at Engel
On View Street, West Concord, at K.
On Main Street, Penacook, near Hoyt's garage.

There have been set 20 gates; discontinued, 6

Summary of the Foregoing

NEW PIPES, HYDRANTS AND STOP-GATES

Pipes		*Hydrants.*		*Stop-Gates*	
1-in.,	681 feet	In city,	14	6-in,	19
4-in,	28 "	In Penacook,	1	10-in,	1
6-in.,	2,434 "		—		—
10-in.,	1,072 "		15		20
	5,215 feet.				
equal to .987 mile					

PIPES AND STOP-GATES DISCONTINUED.

Pipes		*Stop-Gates*	
1-in.,	485 feet	4-in.,	5
2-in.,	345 "	6-in.,	1
4-in.,	2,046 "		—
6-in.,	1,087 "		6
	3,963 feet		
equal to 75 mile			

Total length of main and distribution pipes now in use, 358,904 feet, equal to 67 97 miles

Total number of gates now in use, 960

Total number of hydrants now in use, 404

Service Pipes

There have been laid during the year and connected with the main pipes, 35 service pipes consisting of

29	¾-inch,	932 feet
2	1-inch,	75 "
4	4-inch,	64 "
35		1,071 feet

Whole number of services at the present time, 3,705; total length of service pipes, 86,277 feet, or 16 34 miles We have placed 42 service boxes at the curb on old services and have relaid 22 services

We have set 253 meters during the year, 6 have been removed, making the total number now in use, 2,011

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

January,	179 15	July,	182 10
February,	179 25	August,	181 10
March,	179 80	September,	180 50
April,	181 90	October,	179.90
May,	182 35	November,	178 85
June,	182 60	December,	178 50

The lowest point reached during the year was on December 31, being 177 90, the highest was on June 2, and was 182 65, mean height for the year was 180 22, which was 1 18 feet lower than the mean height for the year 1909

The system is in good condition, there have been few calls for extensions and only a small amount of relaying.

We have relaid a number of services, mostly in streets that have been newly macadamized or repaired All services were relaid with cement-lined wrought-iron pipe and the condition of the pipes removed show the wisdom of continuing the use of this class of pipe for services

All hydrants, public and private, have been given a thorough inspection and all necessary repairs made They have also been inspected once a week during the winter months to ascertain the presence of ice or water

The care and repair of meters, there now being over 2,000 installed, occupies the time of two men and a team. We have removed, cleaned, repaired and tested a large number of meters that have had the longest service to their record and no meter is placed in service that over-registers on any size flow

We find on these tests that in nearly every case, the consumer has been receiving more water than registers, the wear of the working parts after a number of years of steady use, causing this change as would be expected in any piece of mechanism

The meter system is giving general satisfaction and we have a large number of applications from consumers every year, to have meters placed on their supplies The minimum meter rate allows an abundant supply of water but does not encourage the waste of it which does no one any good

The short season of pipe-laying and the continued low

water have given us an excellent opportunity to carry on our work of cleaning up the shores of Penacook Lake

We have built an addition to the stable at the pumping station for the storage of wagons and sleighs and the concrete walks on the grounds have been put in first-class condition

There are no calls for extensions or relaying at present which will call for the purchase of any cast-iron pipe in 1911, and the stock on hand will be sufficient for our needs The cement-lined pipe now in use is giving good service and appears to be good for a number of years yet, there having been no leaks of any account during the present year

I wish to thank the members of the Water Board for their advice and counsel during the year.

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 very 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.

242 tons 1,376 pounds Pocahontas coal.
96 gallons of oil.
47 pounds of waste
13 pounds of grease
18 cords of wood

ENGINE RECORD

Months	No days pumping engine No 1	No days pumping engine No 2	Total days pumping	Total hours pumping	Average time pumping	Total water pumped	Daily average pumped	*Total coal consumed	Daily average consumed	Total pounds of wood consumed	Gallons pumped per pound of coal
				H M	H M						
January	5	24	26	277 30	8 57	25,122,725	810,416	46,524	1,500	2,581	539
February	2	23	24	252	9	23,500,682	839,310	42,577	1,520	1,752	551
March	3	25	27	272	8 46	25,227,176	813,779	46,121	1,487	2,089	546
April	3	23	26	246 30	8 13	22,984,771	766,159	41,973	1,399	2,123	547
May	5	24	26	276	8 54	25,152,290	811,364	45,725	1,475	1,666	550
June		26	26	261	8 42	23,297,116	776 570	41,645	1,388	1,798	559
July	3	28	29	324	10 27	26,553,830	952,318	47,124	1,711	1,753	555
August	9	22	31	316	10 12	29,413,352	948,817	53,588	1,728	2,287	548
September	13	14	27	275	9 10	24,934,313	831,143	47,370	1,579	1,967	526
October	6	21	27	276	8 54	24,355,362	785,656	44,882	1,318	2,116	542
November	6	17	23	238 30	7 57	21,524,495	717,483	40,651	1,355	2,902	529
December		27	27	280	9 1	24,428,072	788,002	45,276	1,460	5,864	539
Total	55	274	319	3,294 30		296,494,184	812,312	543,456		28,898	
Daily av'ge					9 10	812,312			1,488		545

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

Amount of coal consumed per thousand gallons pumped, 1 83 pounds

HENRY A ROWELL,
Engineer