

cially in the larger schools. We believe the parents and citizens generally will not be willing to dispense with these exercises after a fair trial has been made.

ALBERT SALTMARSH,
GEORGE T. ABBOTT,
FALES P. VIRGIN,
Board of Education.

TREASURER'S REPORT.

The treasurer of the Town School District respectfully submits the following statement of the receipts and expenditures for the year ending March, 1901 :

RECEIPTS.

Balance, March, 1900	\$295.94	
Regular appropriation	2,283.11	
Extra appropriation	900.00	
Text-books	182.91	
Dog license	72.86	
Literary fund	99.10	
Town of Hopkinton	5.00	
Total receipts		\$3,838.92

EXPENDITURES.

Paid teachers, including board	\$2,366.75	
repairs	853.94	
conveying scholars	57.75	
fuel	68.75	
incidentals	90.10	
music	174.74	
books and supplies	163.93	
tuition	14.75	
repairs on Stickney hill school house	5.82	
truant officer	2.00	
treasurer	25.00	
cash on hand	15.39	
Total expenditures		\$3,838.92

ISAAC N. ABBOTT, *Treasurer.*

STATISTICAL TABLE.

SCHOOLS.	TEACHERS.	Whole number of dif-ferent scholars.	Boys.	Girls.	Number of weeks of school for the year.	Amount paid teachers, including board.	Repairs.	Conveying scholars.	Fuel.	Incidentals.	Total expense of schools, not including books.
Horse Hill.....	Carrie E. Foss.....	13	8	5	30	\$252.00	\$6.35	.....	\$15.25	\$4.80	\$278.40
Borough.....	{ Loella M. Marden.....	25	16	9	30	232.50	97.69	.....	20.25	5.50	355.94
	{ Elizabeth Clough.....										
	{ Maude E. Paige.....	13	5	8	30	210.00	.....	.....	.....	10 3)	220.30
Little Pond.....	S. L. French.....	25	14	11	30	224.00	3.85	.....	.....	3.20	231.05
Mountain.....	Mae E. Morrill.....	13	4	9	30	224.00	9.00	.....	15.75	.....	248.75
Plains.....	Bessie E. Virgin.....	8	3	.....	30	135.00	46.40	.....	11.50	4.25	197.15
Turtletown.....	Ida B. Sleeper.....	20	13	7	30	224.00	63.60	.....	.....	7.00	294.60
Snaptown.....	Jennie C. Brown.....	26	16	10	30	275.25	60.22	.....	3.00	12.50	354.97
Iron Works.....	{ Hannah M. Stanyan.....										
	{ Mabel L. Farnum.....	11	6	5	30	155.00	.....	\$37.50	3.00	8.40	208.90
Number Four.....	{ Alice M. Paige.....										
	{ Loella M. Marden.....	43	24	19	30	368.00	566.83	20.25	.....	27.15	932.33
Millville.....	{ Sarah E. H. Clark.....										
	{ Maude E. Paige.....	192	109	83	.....	63.00	.....	.....	.....	7.00	70.00
*Ashville.....						\$2,366.75	\$533.94	\$57.75	\$68.75	\$90.10	\$3,437.29

* Only one term. Scholars counted at Millville.

CITY OF CONCORD, N. H.

WATER DEPARTMENT.

1900.

BOARD OF WATER COMMISSIONERS.

NATHANIEL E. MARTIN, Mayor, *ex officio*.

JOHN WHITAKER to March 31, 1904.
HENRY E. CONANT to March 31, 1904.
EDSON J. HILL to March 31, 1903.
TIMOTHY P. SULLIVAN to March 31, 1903.
WILLIAM P. FISKE to March 31, 1902.
WILLIAM E. HOOD to March 31, 1902.
SOLON A. CARTER to March 31, 1901.
FRANK D. ABBOT to March 31, 1901.

WILLIAM P. FISKE, *President*.

FRANK D. ABBOT, *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. Warde * 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. Now in office.

* Deceased.

James H. Chase * . . . 1891. Died in 1893.
 John Whitaker . . . 1892. Now in office.
 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. Now in office.
 William M. Mason . . . 1893-1899.
 William E. Hood . . . 1894. Now in office.
 Ebenezer B. Hutchinson . . . 1895. Resigned Jan. 10, 1899.
 Edson J. Hill . . . 1895. Now in office.
 Henry E. Conant . . . 1999. Now in office.
 Timothy P. Sullivan . . . 1899. 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. Now in office.

* Deceased.

SUMMARY 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 ; additions since. . .

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.

FINANCIAL.

MAINTENANCE.

Receipts.	Expenditures.
From consumers, mostly for do- mestic uses . . . \$56,882.92	For care and main- tenance . . . \$3,493.10
From rents . . . 121.64	For repairs on ce- ment-lined pipe 659.79
From pipe sold, etc. 124.40	For new distribu- tion pipes . 13,764.87
	For new service- pipes . . 1,188.44
	For maintenance of pumping station 2,572.61
	For inspection 634.00
	For meter account 1,509.88
	For work at Pena- cook Lake . 192.21
	For incidental ex- penses . . 3,333.65
	For abatements 125.25
	<u>\$27,473.80</u>
	Amount required to pay interest on bonded indebted- ness . . 25,825.00
	Balance . . 3,830.16
<u>\$57,128.96</u>	<u>\$57,128.96</u>
Cost of reservoir \$42,460.09	
pumping station, shop, stable, and storehouse . . . 22,000.00	
pumping machinery . . 10,215.00	
engineering and superintend- ence 14,913.12	
incidentals 6,531.19	
Cost of works, January 1, 1900	<u>\$857,440.98</u>

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, 1901,	4,	\$10,000.00
Jan. 1, 1902,	4,	10,000.00
Jan. 1, 1903,	4,	10,000.00
Jan. 1, 1904,	4,	10,000.00
Jan. 1, 1905,	4,	10,000.00
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, 1911,	4,	5,000.00
Oct. 1, 1912,	4,	45,000.00
Jan. 1, 1913,	4,	10,000.00
Jan. 1, 1914,	4,	10,000.00
Jan. 1, 1915,	4,	10,000.00
Jan. 1, 1916,	4,	10,000.00
Jan. 1, 1917,	4,	10,000.00
Jan. 1, 1918,	4,	10,000.00
Jan. 1, 1919,	4,	10,000.00
Nov. 1, 1920,	3,	10,000.00
Nov. 1, 1921,	3,	5,000.00
Mar. 1, 1922,	3½,	20,000.00
Jan. 1, 1923,	4,	400,000.00
		\$ 650,000.00

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
Coffin & Little, "	800.00
O. F. Richardson, "	100.00
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 and Turnpike streets, and supply main from near the dam to Stark street)	160,960.92
distribution pipe	288,931.38
service pipe	42,489.95

REPORT OF WATER COMMISSIONERS.

To the City Council:

The Board of Water Commissioners beg leave to submit their report for the year 1900.

The accompanying report of the superintendent exhibits the physical condition of the system, also includes pertinent suggestions looking towards extensions and betterments.

The past year has witnessed in many localities a serious shortage in the water supply, in fact, in some places, the drought has been the worst and longest in fifty years. Streams, wells and springs that were never known to fail became absolutely dry, and many city supplies were in great danger. It will be noticed that an abundant supply was held during the dry season in Penacook lake. One reason of this is in the number of meters in use, and the increasing number from year to year will show good results.

It is often claimed that a plant owned by a municipality, must be in fact a free thing, so that the question of free water is often discussed. A recent article contains the following:

“There certainly can be no such thing as free water, unless, perhaps, it is when a man takes his bucket, goes to the source of supply, and even then, if his time is worth anything, the bucket of water has an appreciable cost.

“It is rightly held that there can be no such thing as free water when it is delivered through pipes as in a city's water works. Some one must pay for the cost of delivery, each and every gallon; and, if some one has free water, it must follow that some user pays more than he ought or else the plant will run at a loss.

“It is hard to understand why those who use water and pay for it should be asked not only to pay for what they use themselves, but, in addition, to furnish water used in parks, schools

and hospitals, or that they should be requested to keep the watering troughs filled for the benefit of thirsty horses, fountains playing, sewer flushing or fire purposes, and the other uses for which it is expected the city will have free water.

“ A fire hydrant is located in front of a man’s premises ; his insurance rate is affected by that circumstance. It is made lower. At the same time he may be buying his water of a private company and not contribute one cent towards paying for the direct benefit of the fire protection. This is not right because it is not just. The cost of water for fire protection should be spread upon all the taxable property of the city in exactly the same manner as the expenses of maintaining a fire department are spread.”

The hydrant rental for the past two years has been cut off, in consequence bonds amounting to \$25,000, which might have been retired in part, were extended.

It is the purpose to complete the 20-inch iron pipe to the gate house the coming year, the third section of 3,000 feet having been laid during this year. Other localities have been relayed as demanded, but the frequent leaks of the cement-lined pipe indicate the difficulty ahead, and this important work will engage the attention of your commissioners the coming year. With a good supply of iron pipe on hand, it is hoped to accomplish much.

The suit for damages which has been in the courts for some time was settled without trial by the payment of a sum agreed upon. This is the first claim ever made upon this department for damages to the person of one of its employees.

The earnings of the works continue satisfactory, and we trust that the reinstating of the hydrant rentals will settle a vexed question and enable your commissioners to rely upon this income, so that the extensions can be made without a large draft upon the city.

The pumping station, under the careful management of the engineer, is doing satisfactory work. The amount of water pumped to the reservoir has fallen below the amount pumped last year, somewhat, yet, from year to year, it averages about the same.

The same careful management has characterized the working

of each department, and much credit is due the superintendent and his assistants for the results obtained.

Respectfully submitted,

WILLIAM E. HOOD,
WILLIAM P. FISKE,
SOLON A. CARTER,
FRANK D. ABBOT,
JOHN WHITAKER,
HENRY E. CONANT,
EDSON J. HILL,
TIMOTHY P. SULLIVAN,
NATHANIEL E. MARTIN, *ex officio*,
Water Commissioners.

REPORT OF THE SUPERINTENDENT.

To the Board of Water Commissioners :

I herewith present to you the twenty-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, 1900 :

RECEIPTS.

For water from consumers by fixed rates	\$25,274.77
For water from consumers by meter rates	31,485.63
From delinquents	52.12
For water used for building purposes	70.40
rents	121.64
pipe and stock sold, hay, etc.	124.40
	<hr/>
	\$57,128.96
Deduct abatements	125.25
	<hr/>
Net receipts for 1900	\$57,003.71

EXPENDITURES.

GENERAL EXPENSES.

Paid pay-rolls, salaries and labor	\$7,067.25
Nath'l White, Jr., rent of office and heating	350.00
S. G. Sanborn, rent of shop in Penacook and smith work	24.80
Rumford Printing Co., printing	116.19
Ira C. Evans, printing	64.86
Frank L. Sanders, books, etc.	31.83
Silsby & Son, stationery, etc.	6.00

Paid Library Bureau, safe and supplies	\$133.80
Hunt & Emerson, office supplies	1.88
Concord Light & Power Co., gas	18.60
N. E. Tel. & Tel. Co., telephones	129.10
J. M. Stewart & Sons' Co., supplies	2.10
Humphrey-Dodge Co., hardware	47.66
Thompson & Hoague, hardware	31.14
Clark & White, grain	38.16
D. Waldo White, grain	35.40
H. O. Marsh, wood	1.75
C. H. Martin & Co., lead, oil, etc.	16.85
Batchelder & Co., oil, etc.	20.31
National Paint & Varnish Co., paint	34.45
Woodworth & Co., cement	30.20
Dickerman & Co., cement	2.80
A. C. Sanborn, dynamite	1.75
John C. Thorne, rubber boots	18.50
J. C. French & Son, rubber boots	9.00
C. F. Thompson, rubber boots	3.25
Phillips & Sanders, granite	1.25
C. W. Drake, glass	1.25
Standard Oil Co., tank	7.00
Davis & Farnum Manufacturing Co., water tank	35.00
Donaldson Iron Co., cast-iron pipe	10,306.61
R. D. Wood & Co., hydrants	87.59
Concord Foundry Co., castings	22.30
Ford & Kimball "	6.21
Ludlow Valve Manufacturing Co., gates	226.78
Richards & Co., pig lead	499.19
Chadwick Lead Works, lead pipe	12.44
J. H. Cunningham Co., pipe and fittings	155.92
Walworth Manufacturing Co., tools and fittings,	111.90

Paid Braman, Dow & Co., fittings	\$11.68
Goodhue & Milton, "	5.22
Hood & Robbins, " . . . . .	.75
Glauber Brass Manufacturing Co., curb cock	1.94
E. H. Randall, stock and labor	44.04
Hays Manufacturing Co., service boxes	52.48
Morss & Whyte, copper screening	13.60
Thomson Meter Co., meters	794.64
National Meter Co., "	256.10
Union Meter Co., meter supplies	1.20
E. B. Hanchay, smith work	97.07
Ross W. Cate, "	21.80
Abbot-Downing Co., repairs,	53.50
W. S. Davis & Son, "	13.75
George D. Huntley "	7.00
J. D. Johnson & Son, "	19.00
George L. Theobald, team work	142.10
O. F. Richardson & Son, "	24.40
S. Partridge, "	2.50
Cavis G. Brown, "	2.00
Fellows & Clark, livery	2.00
E. B. Hutchinson Building Co., lumber and labor	68.23
Rowell & Plummer, mason work	26.68
Geo. Abbott, Jr., painting	31.13
Benj. Bilsborough, "	5.61
James Cookson, "	2.30
J. H. Rowell & Co., repairing concrete	126.45
J. H. Flood, use of derrick and smith work	20.45
C. W. Dadmun, electrical work	36.50
Engineering News	5.00
Morrill & Danforth, insurance	113.94
Eastman & Merrill, "	22.50
Boston & Maine Railroad, freight and repairing side track	89.48

Paid town of Webster, taxes	\$50.00	
Frank D. Abbot, services	20.00	
A. G. Cochran, cash paid out	96.08	
E. Rhobidas, judgment	2,500.00	
incidentals	284.25	
	<u> </u>	\$24,775.94

Pumping Station Expenses.

Paid pay-rolls, engineer and fireman	\$1,480.00	
labor, unloading coal	18.00	
H. O. Marsh, coal	778.80	
C. H. Stevens & Co., coal	35.73	
H. H. Crowell, slab wood	72.00	
McLeod & Henry, fire brick	22.95	
Knowlton Packing Co., packing	16.04	
Humphrey-Dodge Co., supplies	4.23	
Thompson & Hoague, "	1.75	
Walworth Manufacturing Co., supplies	10.71	
E. Hodge & Co., repairs	2.40	
Boston & Maine Railroad, repair- ing side track and freight	49.90	
Morrill & Danforth, insurance	75.00	
Concord Light & Power Co., gas	5.10	
	<u> </u>	2,572.61
Total expenditures for 1900		<u> </u> \$27,348.55

The expenditures are divided as follows :

General Expenses.

For care and maintenance	\$3,493.10	
repairs on cement-lined pipe	659.79	
new service pipes	1,188.44	
new distribution pipes	13,764.87	
inspection	634.00	
meter account	1,509.88	
work at Penacook lake	192.21	
incidentals	3,333.65	
	<u> </u>	\$24,775.94

Pumping Station Expenses.

For salaries, engineer and fireman	\$1,480.00	
fuel	904.53	
packing and other supplies	32.73	
gas	5.10	
repairs	75.25	
insurance on boiler	75.00	
		\$2,572.61

EXTENSIONS AND IMPROVEMENTS.

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

On main line,

north from near Moses H. Farnum's to opposite Lake street in West Concord, 3,044 feet 20-inch pipe and one hydrant, in place of 14-inch cement-lined pipe discontinued.

In Clinton street,

west from South Fruit street, 180 feet 8-inch pipe.

In Clinton street,

west from near South Fruit street to Concord State Fair Association grounds, 1,656 feet 6-inch pipe and two hydrants.

In Wiggin street,

west from South Main street, 403 feet 6-inch pipe.

In Engel street,

east from main line, 388 feet 6-inch pipe in place of 1-inch pipe.

In Peabody street,

east from main line, 40 feet 6-inch pipe.

In Princeton street,

south from Clinton street, 340 feet 6-inch pipe and one hydrant.

In Chandler street,

west from Railroad street, 260 feet 6-inch pipe.

On hydrant branches,

79 feet 6-inch pipe ; 77 feet 6-inch cement-lined pipe discontinued.

Also 1,140 feet 1-inch pipe ; 358 feet 1-inch and 72 feet $\frac{3}{4}$ -inch discontinued.

There have been set 16 gates ; discontinued, 2.

Summary of the Foregoing.

NEW PIPES, HYDRANTS AND STOP-GATES.

<i>Pipes.</i>	<i>Hydrants.</i>	<i>Stop-gates.</i>
1-in., 1,140 feet.	W. Concord road, 1	4-in., 2
6-in., 3,166 "	Clinton street, 2	6-in., 12
8-in., 180 "	Princeton street, 1	8-in., 1
20-in., 3,044 "		20-in., 1
<hr/>		
7,530 feet, equal to 1.42 miles.	<hr/> 4	<hr/> 16

PIPES, HYDRANTS, AND STOP-GATES DISCONTINUED.

<i>Pipes.</i>	<i>Hydrants.</i>	<i>Stop-gates.</i>
1-in., 430 feet.	Durgin street, 1	4-in., 2
6-in., 77 "		
14-in., 3,044 "		
<hr/>		
3,551 "	<hr/> 1	<hr/> 2
equal to .67 mile.		

Total length of main and distribution pipes now in use, 317,860 feet, equal to 60.19 miles.

Total number of hydrants now in use, 267.

Total number of gates now in use, 757.

SERVICE PIPES.

There have been laid during the year and connected with the main pipes, 57 service pipes consisting of

56 $\frac{3}{4}$ -inch,	1,453 feet.
1 2-inch,	22 "
<hr/>	<hr/>
57	1,475 "

There have been discontinued during the year, 5 ; whole number in use at the present time, 3,340 ; total length of service pipes, 78,443 feet or 14.85 miles.

We have set 96 meters during the year ; 1 has been removed ; making the total number now in use, 1,010.

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

January	180.60	July	184.30
February :	180.85	August	183.45
March	183.50	September	182.90
April	185.00	October	182.35
May	184.90	November	181.95
June	184.70	December	182.60

The lowest point reached during the year was on January 1, being 180.60 ; the highest was April 4, 185.10 ; mean height, 183.09, which was .40 foot lower than the mean height for the year 1899.

The water has been running over the overflow ninety-three days during the year : in March, 17 ; in April, 30 ; in May, 31 ; in June, 15. At no time has the water been lower than forty-four inches below the overflow.

The work of relaying the 14-inch cement-lined main with 20-inch cast-iron pipe was continued from near Moses H. Farnum's to Lake street, West Concord ; there remains about 2,600 feet to complete this work.

The distribution-pipe account may appear rather large for the amount of work done, but it includes the cost of considerable pipe purchased in the spring which has not yet been used and for which \$3,060 was paid.

The service-pipe account has increased some this year and will continue to do so as we renew the original services and put in service boxes at the curbs. We find these curb stops very convenient in shutting off water as they save both labor and disturbing the highways.

In regard to relaying the cement-lined distribution pipes throughout the city, it would seem urgent from recent breaks that more work should be undertaken in this direction each year than has been done in past seasons. At the rate at which we

we have been relaying, it will take about twenty-four years to replace all the old pipes; most of these have already served more than their accredited length of life and unless replaced to a large extent in the next few years, it cannot be but that much trouble and perhaps serious damages will come to this department.

I would recommend that this coming season the following streets be relaid: South State street from Pleasant to Thompson; South street from Pleasant to Thompson; Pleasant street from State to Fremont, and all streets between South State and South streets, from Pleasant to and including Thompson street.

It is also necessary that some repairs be made on the dam at Penacook lake; the high water has washed out around the stone work supporting the fence on the roadway on top of the dam so that it has sunken in some places. I would recommend that this be repaired and further protected by laying several courses of masonry above those now on the water side of the dam.

The report of Mr. Rowell, the engineer, is appended to this, and I wish to express here my appreciation of his efficient services and of the excellent care he has given the pumping station and grounds. To all the employés of the department I feel grateful for their coopération in the work of the year.

Respectfully submitted,

V. C. HASTINGS,

Superintendent.

Auditor's Report.

I hereby certify that I have examined the books showing the receipts of the Concord Water-Works from January 1, 1900, to December 31, 1900, and find the same correct, and that the total amounts given therein correspond with the amounts of receipts given by V. C. Hastings, superintendent, in his report for the year, and also with the receipts held by him from A. B. Cross, city treasurer.

JAMES H. MORRIS,

City Auditor.

Concord, N. H., Jan. 31, 1901.

REPORT OF ENGINEER OF 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 very good working condition after eight years of service, and will need but few repairs the coming year.

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

Statement.

127 tons 1,126 lbs. Pocahontas coal.

27 cords of wood.

54 gallons of oil.

26 lbs. of waste.

ENGINE RECORD.

Date.	Pumping time. <i>h. m.</i>	Gallons water pumped.	Daily average pumped.	Total coal burned.	Daily average coal burned.	*Gallons pumped per pound of coal.
January.....	142:30	11,649,114	375,777	23,858	769	488
February.....	119:15	9,931,060	354,680	20,299	724	489
March.....	128:30	10,750,222	346,781	21,782	782	493
April.....	111:30	9,666,234	322,207	19,426	647	498
May.....	129:30	11,187,768	360,895	22,246	717	502
June.....	162:00	14,247,768	474,925	28,058	935	507
July.....	208:30	16,938,183	546,393	33,032	1,065	512
August.....	154:30	12,773,541	412,049	25,158	811	507
September.....	159:30	12,956,427	431,880	25,706	856	504
October.....	139:00	11,260,656	363,246	22,325	720	504
November.....	127:30	10,328,010	344,267	20,965	698	492
December.....	140:30	11,083,182	357,457	22,751	733	487
Total.....	1,717:45	142,772,165	391,156	285,606	782	499
Daily average..	4:42	391,156	.....	782	.....	.....

*Amount of coal consumed includes that used for heating the building and banking fires.

Amount of coal consumed per thousand gallons pumped,
2.05 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
Total receipts for 28 years . . .	<u>\$1,012,728.81</u>

B

Mean Height of the Water Each Year.

1873 . . .	175.86	1887 . . .	179.04
1874 . . .	179.50	1888 . . .	181.96
1875 . . .	180.00	1889 . . .	180.91
1876 . . .	180.28	1890 . . .	181.90
1877 . . .	176.46	1891 . . .	180.00
1878 . . .	179.50	1892 . . .	174.32
1879 . . .	179.74	1893 . . .	173.38
1880 . . .	175.30	1894 . . .	172.81
1881 . . .	174.70	1895 . . .	171.15
1882 . . .	179.15	1896 . . .	178.96
1883 . . .	176.40	1897 . . .	183.33
1884 . . .	178.18	1898 . . .	184.31
1885 . . .	176.80	1899 . . .	183.49
1886 . . .	178.10	1900 . . .	183.09

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, opposite 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's 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	
"	Northwest corner South Main and West.....	1	
"	East side South Main, near West.....	1	
"	West side South Main, opposite Gas.....	1	
"	West side South Main, opposite Holt Bros. M'g 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, 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, below Rolfe and Rumford Asylum....	1	1
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
North State.	East side North State, near cemetery gate.....	1	
"	Northeast corner North State and Foster.....	1	
"	West side North State, at water-works storehouse....	1	
"	Southwest corner North State and Penacook.....	1	
"	Northwest corner North State and Walker.....	1	
"	Northwest corner North State and Church.....	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	

FIRE-HYDRANTS.—Continued.

STREETS.	LOCATIONS.	Number.	Total.
North State.	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	15
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	
"	Southeast corner South State and Downing.....	1	
"	Northeast corner South State and West.....	1	
"	Junction of South State and South Main.....	1	7
Mills.	Southeast corner Mills and Downing.....	1	
"	West side Mills, near Levi Call's.....	1	2
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	
"	West side Broadway, near precinct line.....	1	2
Green.	Northwest corner Green and Prince.....	1	
"	East side Green, opposite Prince.....	1	2
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 Abbott Farm.....	1	
"	West side South, opposite Smith farm.....	1	9
Bradley.	Northwest corner South and Rockingham.....	1	
"	Southwest corner Bradley and Penacook.....	1	
"	West side Bradley, opposite 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, 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	6
Tahanto.	Northwest corner Tahanto and School.....	1	1
Pine.	Southwest corner Pine and Centre.....	1	1
High.	Northwest corner High and Auburn.....	1	
"	East side High, opposite Forest.....	1	3
"	Southwest corner High and Franklin.....	1	
Giles.	Southeast corner Giles and School.....	1	1
Princeton.	Southwest corner Princeton and Clinton.....	1	1
Fruit.	East side Fruit, opposite Wm. W. Critchett's.....	1	
"	Northwest corner Fruit and Woodman.....	1	2
Minot.	West side Minot, near Odd Fellows' Home.....	1	1
Penacook.	South side Penacook, east of P. B. Co.'s bark house.....	1	
"	South side Penacook, near P. B. Co.'s.....	1	
"	South side Penacook, near P. B. Co.'s office.....	1	
"	Southeast corner Penacook and North Main.....	1	
"	Southwest corner Penacook and Rumford.....	1	
"	Southeast corner Penacook and Columbus avenue.....	1	6
Highland.	Northeast corner Highland and Rumford.....	1	1
Church.	North side Church, opposite Lyndon.....	1	
"	Northeast corner Church and Rumford.....	1	2

FIRE-HYDRANTS.—Continued.

STREETS.	LOCATIONS.	Number.	Total.
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.	Northwest corner Beacon and Jackson.....	1	1
Blanchard.	Northwest corner Blanchard and Essex.....	1	1
Ferry.	North side Ferry, east of C. & M. Railroad.....	1	1
Washington.	Southwest corner Washington and Union.....	1	
"	Northwest corner Washington and Rumford.....	1	
"	North side Washington, opposite Perry avenue.....	1	3
Valley.	North side Valley, opposite Forest.....	1	1
Auburn.	Northwest 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	1
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 Merrimack.....	1	
"	North side School, near city storehouse.....	1	5
Depot.	Northwest corner Depot and Railroad square.....	1	
"	South side Depot, at end of train shed.....	1	2
Warren.	Northwest corner Warren and Green.....	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	
"	Junction of Warren and Pleasant, near Fruit.....	1	7
Pleasant.	Northwest corner Pleasant and Railroad square.....	1	
"	Northwest corner Pleasant and Green.....	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 Mrs. Aiken's.....	1	
"	South side Pleasant, near Mrs. Eddy's.....	1	
"	North side Pleasant, near Mrs. Lane's.....	1	
"	North side Pleasant, near J. McC Hammond's.....	1	
"	South side Pleasant, opposite Pond road.....	1	
"	South side Pleasant, near J. Milnor Coit's.....	1	
"	North side Pleasant, opposite Infirmary.....	1	
"	South side Pleasant, near the mill.....	1	15
Mill road.	East side Mill road, near Upper School cottage.....	1	
St. P. School.	North side Mill road, at Orphans' Home.....	1	2
Old Hopkin-	Junction Old and New Hopkinton roads.....	1	1
ton road.			
Marshall.	North side Marshall, opposite Fuller.....	1	1
Freight.	North side Freight, at southwest corner passenger station.....	1	1
Hill's avenue.	Northeast corner Hill's avenue and South Main.....	1	
"	Southwest corner Hill's avenue and Railroad square..	1	2
Fayette.	Northwest corner Fayette and Elm.....	1	1
Chandler.	South side Chandler, opposite railroad.....	1	1
Concord.	South side Concord, opposite Jefferson.....	1	1

FIRE-HYDRANTS.—*Continued.*

STREETS.	LOCATIONS.	Number.	Total.
Thorndike.	Northeast corner Thorndike and Grove.....	1	1
Laurel.	Northeast corner Laurel and Pierce.....	1	1
Perley.	Northwest corner Perley and Grove.....	1	
"	South side Perley, near old brook.....	1	2
West.	North side West, near Badger.....	1	
"	North side West, opposite Dakin.....	1	
"	North side West, at intersection Broadway.....	1	3
Clinton.	North side Clinton, at Concord State Fair Grounds...	1	
"	North side Clinton, near Snell's.....	1	
"	Northeast corner Clinton and Fruit.....	1	
"	North side Clinton, opposite Avon.....	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
Rockingham.	Northeast corner Rockingham and Broadway.....	1	1
Prospect.	Northwest corner Prospect and Granite avenue.....	1	1
Curtis ave.	North side Curtis avenue, near John C. Kenney's.....	1	1
North State.	East side North State, near W. H. Perry's.....	1	
West Concord road.	West side North State, near Calvary Cemetery.....	1	
"	East side North State, near A. L. Coburn's.....	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	
"	West side North State, near Amos Haynes Co's.....	1	
"	East side North State, near C. H. Farnum's.....	1	
"	East side North State, near M. H. Farnum's.....	1	
"	East side North State, near stone cut.....	1	
"	West side North State, opposite S. Abbott's.....	1	11
WEST CONCORD.			
North State.	East side North State, near old city farm.....	1	
"	East side North State, near engine hoase.....	1	
"	East side North State, opposite D. Holden's.....	1	
"	West side North State, near north mill.....	1	
"	East side North State, opposite George W. Brown'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	8
Electric.	Northeast corner of Electric and North State.....	1	
"	North side Electric, near power station.....	1	2
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

FIRE-HYDRANTS.—Continued.

STREETS.	LOCATIONS.	Number.	Total.
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	
"	North side Merrimack, near road to Island.....	1	
"	Northwest corner Merrimack and Penacook.....	1	6
Summer.	North side Summer, opposite High.....	1	
"	Northeast corner Summer and Centre.....	1	2
Spring.	Northeast corner Spring and Church.....	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		267
	PRIVATE HYDRANTS.		
	Boston & Maine Railroad, upper yard	6	
	Boston & Maine Railroad, new shops.....	14	
	New state prison	3	
	Abbot-Downing Co.'s yard.....	6	
	Page Belting Co.'s yard	5	
	W. P. Ford & Co.'s yard.....	1	
	N. H. Asylum for Insane yard	1	
	Concord Gas Light Co.'s yard.....	1	
	St. Paul's School.....	1	
	Water-works pumping station grounds.....	1	39
	Whole number private hydrants.....		39

HIGHWAY DEPARTMENT.

REPORT OF COMMISSIONER OF HIGHWAYS.

1900.

To the Honorable City Council of the City of Concord :

I have the honor to submit herewith the annual report of the receipts and expenditures of the Highway Department for the fiscal year ending December 31, 1900, together with a statement of work done.

The appropriation for this department for the year 1900 was in a lump sum of \$36,400. In the application of this sum to the different kinds of work to be done the endeavor has constantly been to accomplish the greatest results with the least expenditure consistent with true economy.

Last spring the high water carried away the north abutment of Hackett brook bridge, and the stone work of Shingle Mill brook bridge was rendered unsafe from the same cause. These two bridges have been entirely rebuilt. The bridge across the Soucook river on the road leading to Pembroke Street was replaced with an iron girder bridge (as recommended in the report of this department for 1899) under a contract with the Boston Bridge Works company for the sum of \$928, one half of which was paid by the town of Pembroke.

Odd Fellows' avenue, which has always been in a bad condition for travel, having been laid out as a public way the past year, has been paved with coal tar concrete laid on crushed stone foundation at an expense of \$766.18. Five hundred feet of East Canal street in Ward 1 has been macadamized and a small portion concreted. Main street from Pleasant street to Freight street has been concreted; also that portion of Main

street opposite Capitol street. An attempt has been made to improve the condition of South Spring street. Immediately south of Pleasant street the road-bed was spiked and rolled with the steam roller, but as the foundation or soil underneath the surface was found to be wet and springy, a stone drain, or telford road, will be necessary in order to keep the street permanently in shape and insure an even surface.

I would recommend that an appropriation be made for paving streets, and that Main street from Pleasant street to School street be paved the coming season. This portion of Main street, on account of its situation in the heart of the business district, should be in the best possible condition both as to appearance and use. It is now in such poor condition, as a consequence of the disturbance of its surface by reason of excavations for the laying of pipes, that it must be entirely repaved. I know of no better paving to recommend than block stone. Thousands of paving blocks are cut in Concord every year and shipped to other cities, and a section of first-class stone paving on Main street will not only be the best and cheapest for the taxpayers, in my opinion, but will be an advertisement for one of Concord's largest industries.

The portion of Main street that is in the worst condition is the section lying between Centre street and Pitman street, and it should be repaired next season. The best paving blocks that are now laid on Main street between Pleasant street and School street can be relaid on this section.

The new macadam on Pleasant street has proven so satisfactory that I would recommend its extension to St. Paul's school.

The area of streets sprinkled by the city has been extended from year to year until we now have over twenty miles included in the sprinkled district. The appropriation has always been too small to do the work properly, and the service has not been of the best. More standpipes should be erected, and thus a great saving in time in refilling the carts would be effected. The expense of sprinkling Pleasant street from Liberty street to St. Paul's school has been met by private subscriptions on the part of Christian scientists and St. Paul's school. Two additional new sprinklers must be purchased

before next season to do the work necessitated by the inclusion of this territory within the sprinkled district,

The accompanying tables will give a definite account of all sums received and expended.

Permit me in closing to express my sense of the obligation I am under to His Honor the Mayor, and the members of your honorable body, as well as to citizens generally, for valuable assistance rendered during the past two years; our uniformly courteous relations are very gratifying.

Respectfully submitted,

HENRY H. JOHNSON,
Commissioner of Highways.

Ward 1.

MERRIMACK STREET.						
Trimming trees	.	.	.	.	.	\$5.13
Repairing street	.	.	.	.	.	14.06
Cutting steps	.	.	.	.	.	5.40
Repairing sidewalk	.	.	.	.	.	4.86
CHARLES STREET.						
General repairs	.	.	.	.	.	.33
Trimming trees	.	.	.	.	.	.33
Repairing walk	.	.	.	.	.	4 03
PLEASANT STREET.						
General repairs	.	.	.	.	.	2.33
Trimming trees	.	.	.	.	.	.34
Grading walk	.	.	.	.	.	6.22
Building fence	.	.	.	.	.	2.97
Patching	.	.	.	.	.	13.23
SUMMER STREET.						
General repairs	.	.	.	.	.	17.97
BOROUGH ROAD.						
General repairs	.	.	.	.	.	46.57
Repairing culvert	.	.	.	.	.	.57
RIVER ROAD.						
General repairs	.	.	.	.	.	6.83
MAIN STREET.						
General repairs	39.85
Grading sidewalk	3.03

HIGHWAY DEPARTMENT.

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CHURCH STREET.	
General repairs	\$78.43
SPRING STREET.	
General repairs	2.52
PENACOOK STREET.	
Repairing bridge . . . . .	.41
WALNUT STREET.	
General repairs	43.87
BYE STREET.	
General repairs	11.30
UNION STREET.	
General repairs	1.30
CENTRE STREET.	
General repairs	75.93
WARREN STREET.	
General repairs	3.67
WASHINGTON SQUARE.	
General repairs	31.16
WILLOW HOLLOW.	
General repairs	27.83
WASHINGTON STREET.	
General repairs	5.71
Putting in box . . . . .	.50
Repairing culvert	1.67
Grading	71.79
Repairing walk	3.77
ROLFE STREET.	
General repairs	28.79
MAPLE STREET.	
Spreading gravel	1.50
Trimming trees	2.50
CROSS STREET.	
Grading street	\$10.41
Grading sidewalk and setting curbing	13.86
SUMMIT STREET.	
General repairs	5.70
Patching	3.25

HIGH STREET.

Spreading gravel	\$2.25
General repairs	10.36
Trimming trees	2.50

ELM STREET.

General repairs	13.54
Grading street	27.35
Drawing and setting posts	39.63
Building fence	28.43
Repairs concrete sidewalk	12.50
Repairs sidewalk	3.56

Ward 2.**SHAKER ROAD.**

Putting in pipe water-course	\$1.20
Work on road	40.14
Chestnut plank	9 00

PORTSMOUTH STREET.

General repairs	17.80
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CURTIS ROAD.

General repairs	55.73
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PEMBROKE STREET.

Repairing street	10.65
Work on culvert	14.52

KEARSARGE STREET.

General repairs	3.00
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TURTLETOWN POND ROAD.

Building culvert—Hubbard's	138.67
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MILLS STREET.

Patching	6.60
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PENACOOK STREET.

Grading	200.37
Banking sidewalk	6.27
Repairing street	17.25
Building culvert	5.29
Repairing sidewalk	7.38

Ward 3.

PENACOOK ROAD.	
General repairs	\$26.33
LAKE STREET.	
General repairs	4.70
Repairing sidewalk	5.65
Repairing culvert	1.56
K STREET.	
General repairs	11.47
BOG ROAD.	
General repairs	15.14
ELECTRIC AVENUE.	
General repairs	11.47
SEWALL'S FALLS ROAD.	
General repairs	225.95
Gravel	10.00
QUAKER STREET.	
General repairs	11.47
SECOND STREET.	
General repairs	13.79
HUTCHINS STREET.	
General repairs	1.50
Repairing sidewalk	7.23
DOLAN STREET.	
Building street	78.88
Building fence	1.11
CLARK STREET.	
Building new street and fence	217.29
ENGEL STREET	
General repairs	10.94
FISHER STREET.	
General repairs	30.46

Ward 4.

WASHINGTON STREET.	
Replanking drivebox	\$1.78
Patching	48.34

BRADLEY STREET.	
Paving at standpipe	\$4.40
Patching	1.41
Paving gutter	15.16
CHURCH STREET.	
Putting in drivebox corner of Jackson street	1.07
Patching	9.21
Grading sidewalk for concrete Nos. 17, 19, 21, 23	9.05
New concrete sidewalk, Wm. P. Ford	43.45
UNION STREET.	
Paving gutter east side	23.27
Putting in drivebox	1.43
Removing tree	17.20
Repairs, concrete opposite No. 16	5.95
CHAPEL STREET.	
Setting edgestone	41.72
Grading sidewalk for concrete	8.80
Repairing sidewalks	3.20
Paving gutter south side west from Main street	24.03
New concrete sidewalk	168.92
SUMMER STREET.	
General repairs	5.25
Grading	21.30
ACADEMY STREET.	
Patching	2.69
Repairing driveway . . . . .	.90
WHITE STREET.	
Patching	5.69
LYNDON STREET.	
Patching	12.22
TREMONT STREET.	
Patching	10.20
ABBOTT STREET.	
Patching	7.00
RIDGE ROAD.	
Repairs sidewalk	1.13

HIGHWAY DEPARTMENT.

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JACKSON STREET.

Building gravel walk west side south from Beacon street	\$4.38
Repairing sidewalks	7.73

FISKE STREET.

Patching	23.72
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PEARL STREET.

Patching	3.01
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ROLLINS STREET.

Building sidewalk for concrete	5.48
New concrete sidewalk No. 5	11.69
New concrete crossing Rollins and Chapel street	9.24

MAPLE STREET.

Paving gutter south side from Spring to Union	39.28
Paving gutter north side from Spring to Union	36.80
Grading between Spring and Union streets .	75.36
Paving gutter south side from Union to State street	52.19
Paving gutter north side from Union to State street	59.92
Trimming trees . . . . .	.80
Patching concrete	1.00
Repairing sidewalk near Spring street . . .	1.78

CHESTNUT STREET.

General repairs	40.41
Removing trees	2.46

WEST WASHINGTON STREET.

Grading	3.95
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BEACON STREET.

Patching	4.77
Building gravel walk south side from White to Rumford street	12.27
Repairing banking of sidewalk	2.37
Repairs concrete opposite Nos. 24 and 26 .	1.11
Building gravel walk south side west from Jackson street	3.55

Ward Five.

PARK STREET.	
Resetting curbing, No. 26	\$2.33
Repairing concrete, No. 26	5.63
General repairs	1.30
TAHANTO STREET.	
Removing trees	1.97
Patching	1.60
GREEN STREET.	
General repairs	1.20
Repairing plank crossing off Park street . . . . .	.73
Repairing concrete crossing corner Ford's Avenue	11.00
Patching	16.48
Repairing fence	2.10
New concrete crossing Green and Park streets	27.58
New concrete crossing Green and Capitol streets	25.90
Repairs concrete sidewalk opposite No. 58	1.16
Removing tree	4.07
BLAKE STREET.	
General repairs	2.53
Repairing sidewalk . . . . .	.56
CAPITOL STREET.	
Patching roadway	9.84
Repairs concrete crossing	7.00
MERRIMACK STREET.	
Repairing concrete No. 14	66.40
Repairing concrete, No. 30	2.89
Repairing street	6.66
Repairing concrete sidewalk, No. 36	20.10
Patching concrete . . . . .	.50
GILES STREET.	
General repairs	8.56
PRINCE STREET.	
Patching	23.90
WOODMAN STREET.	
Patching . . . . .	.73

WARREN STREET.

Patching	\$36.96
Repairing driveway	1.60
Setting curbstone . . . . .	.97
Repairing cobble gutter . . . . .	.33
Repairing sidewalk	1.80
Patching concrete . . . . .	.50
Patching concrete, No. 126	1.00
Patching concrete at Blanchard's	1.00
Removing tree at No. 106	1.23

HIGH STREET.

General repairs	8.19
Patching	37.21
Grading	6.68
Building temporary walk	17.03
Repairing sidewalk from School to Center streets	4.03

PINE STREET.

Grading sidewalk—East side	5.13
New concrete sidewalk, D. E. Clarke	49.18
Patching	32.89
Repairing sidewalk	1.40
Grading from Orchard to Warren street	27.38
Gravel sidewalk from A. Henry's to Clough's lot West side	27.08

SCHOOL STREET.

General repairs	3.81
Putting in plank culvert	4.16
Repairing concrete opposite High school	1.37
Patching	13.53
Repairing bank wall	5.00
Building sidewalk for concrete, No. 110	64.73
New concrete sidewalk and edgestone, No. 110	77.56

Ward Six.

ELM STREET.

Repairs to concrete crossing, Elm and Pleasant streets	\$14.91
New concrete sidewalk, No. 3	16.88

DOWNING STREET.

Patching	\$32.92
Repairing sidewalk . . . . .	.45
Removing trees	8.64
Grading sidewalk for concrete	3 79
New concrete sidewalk	17.68

THORNDIKE STREET.

Building drivebox	2.48
Patching	11.56
Grading sidewalk for concrete, Miss J. Dunklee	6.51
New concrete sidewalk, Miss J. Dunklee	33.29
New concrete sidewalk, J. H. Brown	23.57
Repairs to concrete sidewalk opposite No. 31 . . . . .	.93
Repairs to concrete sidewalk opposite No. 6	2.42

LAUREL STREET.

Patching	5.91
Top coating sidewalk on north side	6.86

PERLEY STREET.

Patching	10.95
Repairing concrete, Dr. Fletcher	5.64

FAYETTE STREET.

Grading sidewalk for concrete	7.23
New concrete sidewalk, H. Carter	18.02
New concrete sidewalk, Curtis Memorial church	32.44
Repairs of concrete opposite No. 7	6.40
Patching	9.98

CONCORD STREET.

Repairs to concrete crossing, Concord and South streets	9.50
Repairs to concrete crossing, Concord and South Spring streets	13.50

MONROE STREET.

Patching	8.82
Removing trees	8.56
Trimming trees	2.66

GROVE STREET.

Grading sidewalk west side from Downing south	3.03
Repairs of concrete sidewalk opposite No. 16	1.60

HIGHWAY DEPARTMENT.

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PIERCE STREET.

Grading sidewalk from Perley street south	\$5.47
New concrete sidewalk, No. 28	30.05
Building walk from Laurel to Thorndike streets	15.95

THOMPSON STREET.

Patching	12.02
Repairs on concrete opposite No. 30	9.18
Repairs on concrete opposite No. 29	2.39

JEFFERSON STREET.

Repairing gravel walk	7.86
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SOUTH FRUIT STREET.

General repairs	2.27
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SOUTH SPRING STREET.

Putting in drivebox	1.47
Relaying cobble gutter, No. 11	7.38
Grading at Concord street	79.67
Building blind drain south of Concord street	115.31
Repairs of concrete crossing, South Spring and Thompson streets	13.33
Grading from Pleasant to Lincoln street	75.35
Trimming trees . . . . .	.80
Patching	64.54
Putting in corner-stone, South Spring and Thorn- dike streets	4.28
Grading sidewalk for concrete	5.89
New concrete sidewalk, F. P. Kellom	44.65
New concrete crossing, South Spring and Thorn- dike streets	18.20
Repairs, concrete sidewalk near Oak street	1.98
Removing tree	5.82
Repairs to sidewalk	49.86
General repairs	3.70

Ward 7.

HALL STREET.

General repairs	\$2.00
Putting in box culvert	5.55
Patching	24.46

TIM CHASE ROAD.	
Fencing road	\$2.20
DUNKLEE STREET.	
General repairs	9.36
Setting bounds . . . . .	.95
Building gravel walk from Allison street north .	9.34
Building gravel walk from Allison street south .	4.57
Patching	4.30
IRON WORKS ROAD.	
General repairs	41.08
ROCKINGHAM STREET.	
General repairs	6.32
ALBIN ROAD.	
General repairs	10.30
BIRCHDALE ROAD.	
General repairs	10.31
ALLISON STREET.	
General repairs	17.66
Trimming trees . . . . .	.80
Patching	15.65
Grading sidewalk for concrete	3.77
New concrete sidewalk, G. A. Foster	36.27
Building gravel walk north side	45.82
Building gravel walk south side	21.75
CHANDLER STREET.	
Setting stone bounds . . . . .	.61
Repairing sidewalk	4.60
WATER STREET.	
Patching	51.52
Repairing gravel walk east side	29.15
Repairing sidewalk	46.20
WEST STREET.	
Patching	36.30
EASTMAN STREET.	
Building gravel walk west side to Allison street	24.05
DAKIN STREET.	
Patching	19.00

HIGHWAY DEPARTMENT.

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NOYES STREET.

General repairs	\$1.57
Lengthening culvert	19.80
Putting railing on culvert	1.70
Repairing sidewalk	6.05

GAS STREET.

Patching	1.90
Grading	19.24

BROADWAY.

Patching	48.51
Building walk west side from West street south New concrete crossing, Broadway and South streets	34.76
	60.90

WIGGIN STREET.

Setting stone bounds53
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STONE STREET.

Setting stone bounds63
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SILVER HILL.

General repairs	6.41
Putting in pipe culvert	8.81

"MOSE BROWN" ROAD.

General repairs	6.60
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HUMPHREY STREET.

General repairs	1.20
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SOUTH STREET.

General repairs	28.76
Repairing culvert92

PRINCETOWN STREET.

Building gravel sidewalk west side from Clinton street south	20.36
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MILLS STREET.

Top coating sidewalk	12.49
Patching	18.72

HARVARD STREET.

Repairing sidewalk south from Clinton street	3.68
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BIRCH STREET.

General repairs	2.76
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HARRISON STREET.

Building crossing across Harrison street at State street	\$1.57
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PILSBURY STREET.

Building gravel walk north side	93.92
Repairing sidewalk	10.99

Ward 8.**BRIDGE STREET.**

General repairs	\$3.57
Filling for sidewalk	8.20
Grading at Willows	101.12
Patching	51.47
Removing trees	5.38
Repairing bridge . . . . .	.96
Fencing Bridge street	1.46
Repairing sidewalk	5.72
Lights in gully	64.00

GULLY HILL.

Repairs	6.46
Patching	49.57

GLOVER HILL.

General repairs	123.73
Building drain	5.41

FAN ROAD.

Grading	71.16
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FREIGHT STREET.

General repairs	41.88
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DEPOT STREET.

Patching and rolling	23.98
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PEMBROKE ROAD.

General repairs	45.26
Patching	113.04

SUGAR BOWL ROAD.

General repairs	2.80
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LOUDON ROAD.

Patching	17.95
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HIGHWAY DEPARTMENT.

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SEXTON'S AVENUE	
Patching	\$9.54
Patching concrete45
CLOUGH'S MILL.	
Repairing road	12.94
CHANDLER STREET.	
Setting stone bounds . . . . .	.61
Repairing sidewalk at Lee building	4.60
FREIGHT STREET.	
Patching	41.88
Ward 9.	
AUBURN STREET.	
General repairs	\$0.83
Repairs concrete	20.46
LITTLE POND ROAD.	
General repairs	28.46
HIGHLAND STREET.	
Patching	1.41
LITTLE POND ROAD.	
General repairs	5.92
PERKINS STREET.	
Grading sidewalk	1.20
FOSTER STREET.	
Removing limbs of trees . . . . .	.62
PROSPECT STREET.	
Grading with stone chips	72.23
SOUTH STATE STREET.	
Patching, Ward 6	15.30
Removing trees, No. 11	8.35
Repairs, concrete crossing, South State and Thompson street, Ward 6	1.15
Repairs, concrete crossing South State and Perley streets, Ward 6	14.84
Removing tree, Ward 6	5.82
Paving gutter corner of Pleasant street, west side, Ward 6	14.83
Removing trees, Ward 6	11.68

PALM STREET.

Setting stone bounds for new street	\$4.20
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ALBIN STREET.

General repairs	4.44
Patching	8.24

SOUTH STREET.

General repairs, Ward 7	129.99
General repairs, Ward 6	3.76
Repairs, concrete crossing South and Wall streets	36.77
Paving gutter west side of hospital	21.94
Trimming trees . . . . .	.80
Patching, Ward 6	49.33
Putting in drain, Ward 7	21.90
Patching, Ward 7	36.20
Grading near Wheeler's corner	89.61
Repairs, concrete sidewalk opposite No. 20	2.90
Removing tree, Ward 7 . . . . .	.73
Repairs culvert . . . . .	.92
Trimming trees, Ward 7	2.66
Removing trees, Ward 6	6.03

FRUIT STREET.

Filling holes, Ward 6	1.96
Repairs, sidewalk, Ward 6	1.78
Building sidewalk west side from Pleasant street south, Ward 7	228.67
Repairing and lengthening culvert, Ward 7	9.30
Grading Fruit street off W. Critchett's, Ward 7	22.65
Cutting and filling off W. Critchett's, Ward 7	64.75
Repairing sidewalk and relaying pipe across side- walk, Ward 7	4.79

PLEASANT STREET.

General repairs, Ward 7	70.05
Grading sidewalk, Ward 7	16.35
Paving gutter, Pleasant View	194.94
Paving gutter	29.71
New concrete sidewalk, Ward 7	146.70
Repairs, concrete crossing Rumford and Pleasant	13.68
Paving around standpipes, No 233	7.66