

HIGHWAY DEPARTMENT.

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St. Paul's School, lumber, . . .	\$6.90	
Downs & Whipple, lumber, . . .	36.92	
Charles Nutting, gravel, . . .	3.30	
James Mercer, " . . .	5.50	
George Lamphrey, labor, . . .	8.25	
John W. Paige, gravel, . . .	38.90	
	<hr/>	\$2,094.09

MOUNTAIN DISTRICT.

HUGH TALLANT in charge.

Hugh Tallant, pay-rolls,	\$90.75
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NORTH CONCORD DISTRICT.

JOHN C. KILBURN in charge.

John C. Kilburn, pay-rolls, . . .	\$212.95	
Emerson & Savory, paint, . . .	1.50	
John T. Dodge, plank, . . .	10.20	
	<hr/>	\$224.65

NUMBER FOUR DISTRICT.

F. E. DIMOND in charge.

F. E. Dimond, pay-rolls,	\$219.55
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EGYPT DISTRICT.

GEORGE G. JENNESS in charge.

George G. Jenness, pay-rolls, . . .	\$249.78	
S. C. Jenness, watering-trough, . . .	3.00	
E. F. Jenness, watering-trough, 1891-'92, . . .	6.00	
	<hr/>	\$258.78

PENACOOK AND BOROUGH DISTRICT.

DAVIS BROTHERS in charge.

Davis Brothers, pay-rolls, . . .	\$4,175.00
Frank Sanborn, " . . .	83.42

Stratton, Merrill & Co., sand, . . .	\$7.40
C. M. & A. W. Rolfe, watering-trough, 1891-'92,	6.00
Fred Chandler, gravel,	1.80
Andrew Linehan, lighting bridge, . . .	100.00
Taylor, Durgin & Sebra, labor,	16.38
N. S. Gale & Co., hardware,	52.11
George W. Chandler, gravel,	15.20
A. H. Urann, painting,	55.98
A. M. Gage, gravel,	85.50
C S. Ward, repairing wagon,	1.75
Foote, Brown & Co., paint, oil, etc., . .	19.79
C. H. Fowler, paint,	2.47
Edward McShane, blacksmithing,	6.64
E. Ordway, sand,	9.50
Andrew Keenan, sand Willow Hollow, . .	121.00
Crowley & Quinn, stone, Willow Hollow,	3.50
James H. Rowell, concreting,	413.29
Granite Railway Co., stone,	4.00
Mrs. E. M. Runnells, land damage, . . .	10.00
Andrew Keenan, " "	10.00
Concord Foundry Co., grates and traps,	64.25
H. W. Knowlton, mason work,	4.00
George Neller, mason work,	15.09
S. G. Sanborn, blacksmithing,	15.35
W. H. Bell, powder, etc.,	1.21
Granite Railway Co., stone,	7.20
George H. Speed, stone,	5.00
John Rines, brick,	6.00
Charles Davis, painting, . . . . .	.75
O. J. Fifield, sand,	12.50
Davis Brothers, brick,	6.00
John Whitaker, lumber,	23.82
Henry Morrill, wall at Borough bridge, .	108.48
Penacook Electric Co.,	9.37
Isaac Baty, labor, etc.,	3.62
Tallant & Morrill, plank,	29.61
Ford & Kimball, iron posts,	14.76
Luther Hoit, labor,	1.00

HIGHWAY DEPARTMENT.

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C. A. Giles, stone,	\$2.00	
C. M. & A. W. Rolfe, lumber,	3.80	
S. F. Patterson, shingling twin bridge,	270.00	
	<u> </u>	\$5,804.54

PENACOOK INTERVALE DISTRICT.

JOHN F. GILMAN in charge.

John F. Gilman, pay-roll, 1891,	\$20.70	
“ “ 1892,	60.45	
Ai Smith, watering-trough,	3.00	
	<u> </u>	\$84.15

POTTER STREET DISTRICT.

JOHN F. TENNEY in charge.

John F. Tenney, pay-rolls,	\$255.44	
John F. Tenney, water for trough,	3.00	
John F. Batchelder, gravel,	9.04	
Robinson & Runnells, brick,	3.50	
Frank Coffin, cement,	2.90	
	<u> </u>	\$273.88

SANBORN DISTRICT.

N. S. SANBORN in charge.

N. S. Sanborn, pay-rolls,	\$12.50	
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VIRGIN DISTRICT.

F. P. VIRGIN in charge.

F. P. Virgin, pay-rolls,	\$96.54	
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WEST CONCORD DISTRICT.

GEORGE PARTRIDGE in charge.

George Partridge, pay-rolls,	\$697.04	
C. A. Giles, stone and gravel,	13.77	
Chandler Eastman & Son, repairs,	2.00	

William Lynch, laying culvert, . . .	\$3.00	
Concord Foundry Co., catch-basin and traps,	68.94	
Simeon Partridge, blacksmithing, . . .	5.70	
Simeon Partridge, snow plow,	6.00	
Thompson & Hoague, hardware,	6.52	
S. F. Patterson, shingling Sewall's Falls bridge,	180.00	
		<u>\$982.97</u>

STICKNEY HILL DISTRICT.

A. S. SMITH in charge.

A. S. Smith, pay-rolls,	\$3.50
Total expenditures,	<u>\$41,003.66</u>
Balance,	\$1,484.74

POLICE AND WATCH.

Appropriation,	\$8,000.00
Received of B. E. Badger, police justice,	155.18
A. J. Shurtleff, associate justice,	10.00
G. S. Locke, fees,	2,547.28
F. M. Eaton and H. Robinson, fees,	2.31
W. C. Sheffield, fees,	1.25
Deficiency brought from transfer account,	367.76
	<u>\$11,083.78</u>

Paid as follows :

Pay-roll of regular officers,	\$8,029.88
" special police,	781.50
B. E. Badger, salary police justice,	800.00
A. J. Shurtleff, associate police justice,	38.00
G. M. Fletcher, salary clerk police court,	200.00
V. E. Kimball, cleaning office,	116.70
H. A. Mullen, janitor,	90.00

POLICE DEPARTMENT.

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J. R. Miller, labor,	\$2.00
Davis Bros., supplies,	3.85
J. A. Coburn, rent,	31.00
N. A. Dunklee, livery,	282.00
D. Evans & Co., police supplies,	15.00
Concord Water-Works, water bills,	15.00
Concord Gas Light Co., gas bills,	210.60
Ranlet & Marsh, coal bills,	135.25
H. O. Marsh, coal bills,	144.13
N. C. Nelson, clock,	12.50
Knox, "the hatter," police hats,	12.50
Judson Becker, police badges,	5.00
Humphrey & Dodge, supplies,	3.45
Munns & Paige, supplies,	19.29
George W. Hale, book,	2.50
Sleeper & Hood, repairs,	3.00
Lee Bros., repairs,	7.30
Kimball, Danforth & Forrest, repairs,	2.55
Huntley & McDonald, repairs, . . . . .	.75
George Goodhue, plumbing,	27.55
C. H. Fowler, oil,	1.15
Stevens & Duncklee, supplies,	3.25
Davis Bros., wood,	2.50
Northern Electrical Supply Co., . . . . .	.25
G. & H. Partridge, rent,	12.00
John Chadwick, livery and telephone,	22.50
Batchelder & Co., supplies,	21.34
Penacook Electric Light Co.,	10.64
Concord Ice Co., ice bills,	5.00
H. E. Chamberlain, police services,	6.00
Sarah E. Dennis, cleaning,	2.10
H. L. Harris, livery,	5.75
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	\$11,083.78

COMMITTEE SERVICE.

Appropriation,	\$1,410.00
Balance carried to transfer account,	15.00
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	\$1,395.00

Paid as follows :

John O'Neill,	alderman,	.	\$60.00
John B. Dodge,	"	.	60.00
William A. Cowley,	"	.	60.00
Adam P. Holden,	"	.	60.00
James K. Kennedy,	"	.	60.00
Henry McFarland,	"	.	60.00
Henry J. Crippen,	"	.	75.00
Edward B. Woodworth,	"	.	60.00
George F. Underhill,	"	.	60.00
William J. Fernald,	"	.	60.00
Gilman B. Johnson,	"	.	60.00
Joseph C. Ordway,	"	.	75.00
James H. Sanders,	"	.	60.00
Frank P. Quimby,	"	.	60.00
George H. Mills,	"	.	60.00
Henry T. Foote,	councilman,	.	30.00
Frank P. Robertson,	"	.	30.00
Charles L. Worthen,	"	.	30.00
Charles W. Blanchard,	"	.	30.00
Gilman K. Crowell,	"	.	30.00
Henry W. Hayden,	"	.	30.00
Nathan Mansur,	"	.	30.00
John H. Couch,	"	.	30.00
Patrick H. Coleman,	"	.	45.00
Charles E. Palmer,	"	.	15.00
Leonard W. Bean,	"	.	45.00
Fred E. Cloudman,	"	.	30.00
Charles C. Nutter,	"	.	30.00
Sidney S. Upham,	"	.	30.00
Charles W. Brown,	"	.	30.00
		_____	\$1,395.00

SALARIES.

Appropriation,	.	.	.	.	\$8,200.00
Deficiency brought from transfer account,					130.65
				_____	\$8,330.65

Paid as follows :

Henry W. Clapp, mayor,	\$1,000.00
Alfred Clark, commissioner of highways,	1,383.34
Joseph A. Cochran, city clerk,	800.00
Joseph A. Cochran, overseer of the poor,	150.00
Harry G. Sargent, city solicitor,	500.00
Edward H. Dixon, city messenger,	600.00
William F. Thayer, city treasurer,	250.00
Albert I. Foster, collector of taxes,	1,232.31
Edward M. Nason, clerk of common council,	50.00
Board of Education, Union School District,	225.00
Board of Education, District No. 12,	18.00
“ “ “ “ 20,	27.00
Town District School Board,	300.00
Ira C. Phillips, assessor, Ward 1,	159.00
Albert Stevens, “ “ 2,	141.00
Harrison Partridge, “ “ 3,	138.00
Gilbert H. Seavey, “ “ 4,	276.00
Curtis White, “ “ 5,	156.00
George S. Dennett, “ “ 6,	204.00
Jonathan B. Weeks, “ “ 7,	297.00
Pay-roll of ward officers,	301.00
John B. Dodge, overseer of poor, Ward 1,	25.00
William A. Cowley, overseer of poor, Ward 2,	10.00
R. H. Ayer, superintendent of clocks,	85.00
Fred Rollins, Ward 2 records,	1.00
Fred I. Johnson, “ 4 “	1.00
Howard M. Cook, “ 6 “	1.00
	\$8,330.65

PRINTING AND STATIONERY.

Appropriation,	\$2,250.00
Balance carried to transfer account,	98.45
	\$2,151.55

Paid as follows :

N. H. Democratic Press Co.,	\$107.03	
Frank J. Batchelder,	96.15	
Ira C. Evans,	71.35	
Crawford & Stockbridge,	7.95	
Silsby & Son,	158.39	
Republican Press Association,	1,710.68	
	<u> </u>	\$2,151.55

LEGAL EXPENSES.

Appropriation,	\$800.00	
Received from estate of Mrs. B. Burleigh, Merrimack Co.,	110.26	
	8.27	
	<u> </u>	\$918.53
Balance carried to transfer account,	608.99	
	<u> </u>	\$309.54

Paid as follows :

W. L. Foster, services,	\$212.00	
E. H. Dixon, witness fees,	26.87	
W. L. Foster, services,	44.00	
H. G. Sargent, expense,	11.67	
H. F. Hollis, services,	15.00	
	<u> </u>	\$309.54

SCHOOLS.

Unexpended balance of 1891,	\$20,827.25
Appropriation, 1892,	22,225.00
Walker Fund, interest,	60.00
Additional appropriation in Union Dist.,	10,608.00
Text-books and supplies,	4,000.00
Industrial education,	2,000.00
Sub-Primary,	850.00
District No. 12, additional,	200.00
" " 20, " 	1,500.00

PUBLIC LIBRARY.

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Town district,	\$600.00	
Literary fund,	3,513.60	
Dog tax,	1,191.75	
Dog licenses,	1,210.90	
	<u>\$68,786.50</u>	
Balance due school districts,	17,395.85	
		<u>\$51,390.65</u>

Paid as follows :

L. J. Rundlett, financial agent, Union School District,	\$43,981.15	
I. N. Abbott, Town District,	2,196.75	
John Chadwick, District No. 20,	4,249.35	
W. A. Cowley, " " 12,	963.40	
		<u>\$51,390.65</u>

SCHOOL-HOUSE TAXES.

Appropriation Union School District, payment of debt,	\$5,000.00
Paid H. J. Crippen, Union School District,	5,000.00

PUBLIC LIBRARY.

Appropriation,	\$6,000.00
Paid as follows :	
D. F. Secomb, salary,	\$1,000.00
D. F. Secomb, incidentals,	100.70
Adah M. Colby,	400.00
Clara Brown,	400.00
W. I. James,	152.70
H. G. Upton,	16.25
Janitor,	187.38
N. S. Gale,	78.00
W. B. Cunningham,	78.00
Publication papers, etc.,	221.03
Insurance,	156.50

Republican Press Association, . . .	\$670.71
Edson C. Eastman,	554.11
Silby & Son,	300.77
W. E. Hunt,	309.54
James E. Abbe,	447.15
J. P. Lippincott & Co.,	96.27
Charles Scribner's Sons,	94.05
Library Bureau,	36.30
Gas,	159.30
Coal,	306.50
Humphrey & Dodge,	26.97
Plumbing and repairs,	38.12
People's Gas Light Co,	37.43
Ira C. Evans,	7.75
Charles R. Corning,	43.90
M. R. Tanner,	19.75
Grace Secomb,	3.25
Sundries,	57.57
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	\$6,000.00

BOARD OF HEALTH.

Appropriation,	\$1,000.00
Balance carried to transfer account,	2.98
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	\$1,002.98

Paid as follows:

H. A. Rowell, sanitary officer,	\$338.78
C. E. Palmer, "	361.22
E. N. Pearson, salary, member of board of health,	25.00
Dr. E. A. Clark, salary, member of board of health,	25.00
H. A. Rowell, cash paid out,	61.58
C. E. Palmer, "	123.61
F. J. Batchelder, printing,	21.50
George Prescott, signs,	4.50
Concord Water-Works,	8.34
Republican Press Association, printing,	4.13

Macdonald & Fisher, office chairs,	\$9.00	
George L. Theobald, burying animals,	16.00	
Concord Gas Light Co.,	4.32	
		\$1,002.98

PENACOOK PARK.

Appropriation,	\$450.00	
Received of O. F. Richardson, rent of pavilion,	24.00	
	\$474.00	
Deficiency brought from transfer account,	36.64	
		\$510.64
Paid as follows :		
Pay-rolls,	\$385.63	
O. F. Richardson, superintendent,	50.00	
Humphrey & Dodge, supplies, . . . . .	.60	
Eastman & Co., "	4.17	
Scribner & Britton, "	2.80	
C. H. Martin & Co., "	17.90	
J. M. Crossman, repairs,	12.84	
Concord Manufacturing Co.,	3.75	
A. H. Urann, painting,	32.95	
		\$510.64

WHITE PARK.

Appropriation,	\$2,500.00
Paid W. P. Fiske, treasurer,	2,500.00

MEMORIAL DAY.

Appropriation,	\$300.00
Paid as follows :	
J. H. French, for W. I. Brown Post,	\$75.00
J. M. Crossman, for Davis Post,	30.00
L. S. Richardson, for E. E. Sturtevant Post,	195.00
	\$300.00

**MARGARET PILLSBURY GENERAL
HOSPITAL.**

Appropriation,	\$2,000.00
Paid W. F. Thayer, treasurer,	2,000.00

BLOSSOM HILL CEMETERY.

Appropriation,	\$3,000.00
Appropriation for purchase of land,	575.00
	\$3,575.00
Paid C. G. Remick, treasurer,	3,575.00

OLD NORTH CEMETERY.

Appropriation,	\$350.00
Paid C. G. Remick, treasurer,	350.00

WEST CONCORD CEMETERY.

Appropriation,	\$150.00
Paid O. L. Shepard,	150.00

CALVARY CEMETERY.

Appropriation,	\$800.00
Paid C. G. Remick,	800.00

PRECINCT.

Unexpended balance of 1891, . . .	\$7,114.84	
Appropriation for interest on state-house loan,	1,440.00	
Appropriation for interest on sewer bonds,	480.00	
Appropriation for lighting streets,	9,000.00	
" " hydrants,	6,000.00	
" " sewers,	2,000.00	
H. W. Clapp, sewer account 1891,	220.00	
	<hr/>	\$26,254.84
Deficiency in precinct account,		7,367.90
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		\$33,622.74

Paid as follows :

Lighting Streets.

Concord Gas Light Co., electric lights,	\$4,338.39	
" " " gas lights,	3,009.74	
Thompson & Hoague, glass,	2.50	
Concord Land & Water Power Co., electric lights,	976.50	
	<hr/>	\$8,327.13

Hydrants.

Concord Water-Works,	\$6,000.00
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Interest.

Interest on state-house loan,	\$1,440.00
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Sewers.

* Paid H. W. Clapp, labor pay-rolls,	\$6,752.86
Alfred Clark, " " 	235.84
J. H. Lamprey, damages,	75.00
Foss & Merrill, surveying,	142.10
Ferrin & Woodman, mason work,	1,210.00
Nutting & Hayden, supplies and repairs,	56.05

* Of this amount, \$3,095.42 was expended on the brick sewer in Allison street.

Paid W. F. Carr, supplies,	\$0.34
B. F. Putney, "	39.48
E. A. Cushing, trucking,	91.75
Perkins & Berry, supplies,	8.88
Humphrey & Dodge, supplies,	1,304.28
Concord Foundry Co., "	68.78
Thompson & Hoague,	21.28
L. W. Bean, mason work,	223.00
Greenough & Hazeltine, rubber boots,	10.00
Marden & Co., rubber boots,	7.20
Ross W. Cate, repairs,	54.95
A. W. Mitchell M'f'g Co., brass checks,	2.25
C. & M. R. R., freight, . . . . .	.26
Geo. L. Theobald, use of horse,	74.25
E. B. Hutchinson, lumber,	355.36
Woodworth & Co., cement,	152.20
J. F. Ward, carting,	9.00
Geo. L. Theobald, carting,	10.50
Samuel Holt, brick,	317.25
Scribner & Britton, supplies,	2.40
Ford & Kimball, castings,	30.04
Frank Coffin, cement,	27.55
	<hr/> \$11,282.85

North End Sewer.

Paid pay-rolls, W. B. Howe, agent,	\$3,765.75
Foss & Merrill, surveying,	197.15
Perrin, Seamans & Co., derrick,	28.00
Humphrey & Dodge, hardware,	205.20
B. French, labor and lumber,	16.01
Greenough & Hazeltine, rubber boots,	27.50
Holt & Bros., supplies,	2.50
A. P. Jenness, labor,	15.37
Geo. L. Theobald, labor,	107.00
A. L. Proctor, teaming,	1.00
L. R. Fellows, mason work,	676.60
Dickerman & Co., cement,	421.61

Paid E. B. Hutchinson, lumber, . . .	\$189.71	
Holt M'fg Co., supplies, . . .	3.50	
J. H. Mead, repairs, . . .	2.80	
J. F. Ward, teaming, . . .	3.25	
Ford & Kimball, castings, . . .	52.50	
Ferrin & Woodman, mason work, . . .	24.00	
Samuel Holt, brick, . . .	778.65	
G. L. Theobald, teaming, . . .	39.00	
Proctor Bros., teaming, . . .	1.25	
W. Silver, teaming, . . .	.75	
Thompson & Hoague, hardware, . . .	13.66	
		\$6,572.76
		<u>\$33,622.74</u>

SOLDIERS' MEMORIAL ARCH.

Appropriation,	\$20,000.00	
“ for dedication of arch, . . .	1,200.00	
Received of H. W. Clapp for cloth sold, . . .	5.00	
“ “ programmes, . . .	50.00	
		\$21,255.00
Balance carried to transfer account, . . .	3,793.11	
		<u>\$17,461.89</u>

Paid as follows :

Anderson, Swenson & Co., on contract,	\$4,706.91
Anderson, Swenson & Co., on contract,	3,629.34
H. W. Clapp, cash paid out, . . .	3.32
Anderson, Swenson & Co., on contract, . . .	2,193.75
“ “ “ “	1,213.50
Foss & Merrill, engineering, . . .	8.25
J. G. Chase, packing plans, . . .	.50
T. F. McGann, contract for lanterns, . . .	350.00
Anderson, Swenson & Co., on contract,*	2,000.00

* The committee on the Soldiers' Memorial Arch have reserved \$2,956.50, the balance of the contract, and to be paid Anderson, Swenson & Co., upon the completion of the arch.

Paid J. R. Hawley, for oration, July 4, 1892,	\$50.00
H. W. Clapp, bills for dedication of arch,	1,815.49
T. F. McGann, contract for lanterns,	550.00
G. L. Theobald, gravel and carting,	8.50
F. W. Landon & Co., electric supplies,	132.26
Giles Wheeler, cash paid, expenses,	28.07
C. H. McKenny & Co., brackets, . .	17.00
McShane & Gienty, livery,	5.00
Peabody & Stearns, plans for arch,	750.00
	<hr/> \$17,461.89

H. W. CLAPP,
 JOHN C. LINEHAN,
 P. B. COGSWELL,
 F. E. CLOUDMAN,
 L. W. BEAN,
 W. J. FERNALD,
 HENRY W. STEVENS,
 GILES WHEELER,
 GILMAN B. JOHNSON,
 JOHN H. COUCH,
 HENRY McFARLAND,
 H. H. FARNUM,
 JAMES K. EWER,
Committee on the Memorial Arch.

BOROUGH BRIDGE.

Appropriation,	\$1,000.00
Received from C. H. Amsden,	100.00
	<hr/> \$1,100.00
Deficiency brought from transfer account,	420.54
	<hr/> \$1,520.54
Paid as follows :	
Henry Morrill, on contract,	\$946.44
B. & M. Railroad, freight,	26.52
Foote, Brown & Co., supplies,	3.20

George McQuesten & Co., lumber,	\$257.90	
A. M. & A. W. Rolfe, plank, . . . . .	.75	
John Whitaker, lumber,	3.38	
Taylor, Durgin & Sebra, carpentering,	58.45	
N. S. Gale & Co., spikes,	1.05	
Henry Morrill, teaming,	14.50	
C. E. Thompson, Jr., lumber,	56.50	
Foss & Merrill, surveying,	151.85	
	<u> </u>	\$1,520.54

REPAIRING PEST-HOUSE.

Appropriation,	\$200.00	
Balance carried to transfer account,	5.32	
	<u> </u>	\$194.68

Paid as follows :

George Abbott, Jr., painting,	\$16.63	
L. W. Bean, mason work,	92.15	
F. W. Scott & Co., labor and lumber,	85.90	
	<u> </u>	\$194.68

VOTING PLACES UNDER THE NEW BALLOT LAW.

Appropriation,	\$600.00	
Balance carried to transfer account,	180.93	
	<u> </u>	\$419.01

Paid as follows :

H. F. Paul, cash paid for supplies,	\$0.75
I. F. Potter, labor, etc.,	30.15
A. W. Holden, carpentering,	21.78
F. W. Scott & Co., labor and lumber,	134.23
George Goodhue, gas fitting,	21.01
Humphrey & Dodge, hardware,	1.00
J. M. Stewart & Sons Co., tables,	1.50
F. S. Johnson, expenses, . . . . .	.75
Taylor, Durgin & Sebra, labor and lumber,	68.65

Isaac Baty, gas fitting,	\$16.39	
E. B. Hutchinson, lumber and labor, . .	119.86	
C. H. Fowler, varnish,	3.00	
		\$419.07

**WEST CONCORD SEWERAGE PRE-
CINCT.**

Appropriation,	\$17,000.00	
Concord Manufacturing Co.,	123.12	
		\$17,123.12
Balance carried to transfer account, . .	7,956.34	\$9,166.78

Paid as follows :

Labor pay-rolls, A. P. Holden, agent, . .	\$4,802.20
Foss & Merrill, surveying,	141.55
Portland Stove Manufacturing Co., pipe, . .	3,030.75
Perrin, Seamans & Co., hardware and supplies,	195.29
Greenough & Hazeltine, rubber boots, . .	83.00
A. W. Holden, labor and lumber,	22.75
Thompson & Hoague, supplies,	15.95
Simeon Partridge, shingles,	13.50
Simeon Partridge, repairs,	219.85
G. & H. Partridge, supplies,	8.43
G. & H. Partridge, lumber,	9.20
G. & H. Partridge, labor,	20.98
Humphrey & Dodge, hardware,	22.07
Concord & Claremont Railroad, freight, . .	2.30
Brown Brothers & Co., iron,	1.35
B. F. Putney, supplies,	60.40
Crawford & Stockbridge, books,	15.50
Simeon Abbott, land damage,	25.00
John Whitaker, lumber,	31.71
Concord Manufacturing Co., lumber,	28.00
Eastman & Co., supplies,	6.40
Concord Foundry Co., castings,	106.41
C. Eastman & Sons, lumber,	5.50

J. M. Crossman, supplies,	\$13.84	
Samuel Holt, brick,	78.55	
J. E. Shepard, teaming,	18.90	
Mead, Mason & Co., lumber,	14.75	
Concord Manufacturing Co.,	2.20	
Silsby & Sons, stationery,	2.00	
Woodworth & Co., cement,	90.45	
American Bank Note Co., bonds,	78.00	
		\$9,166.78

PENACOOK SEWERAGE PRECINCT.

Balance of appropriation, 1891,	\$99.27	
Appropriation for sinking fund,	500.00	
Appropriation for interest on precinct bonds,	840.00	
Appropriation for repairs of sewers,	100.00	
Appropriation to complete the sewer sys- tem, \$4,500 less \$1,500 cancelled,	3,000.00	
Premium and interest on bonds sold,	164.22	
		\$4,703.49

Paid as follows :

Pay-rolls, J. B. Dodge, agent,	\$1,431.19	
Pay-rolls, H. Morrill,	763.60	
Foss & Merrill, engineering,	75.50	
Isaac Baty, labor and supplies,	33.61	
Isaac Baty, sewer-pipe, etc.,	868.83	
Thompson & Hoague, hardware,	21.45	
Foote, Brown & Co.,	7.31	
Concord Foundry Co., castings,	6.00	
Woodworth & Co., cement,	21.60	
Ford & Kimball, castings,	39.05	
Penacook Sewer Precinct, sinking fund,	500.00	
American Bank Note Co., bonds,	18.30	
Interest on precinct bonds,	840.00	
		\$4,626.44
Balance, cash on hand,		77.05
		\$4,703.49

LIGHTING STREETS, PENACOOK.

Appropriation,	\$1,000.00	
Balance carried to transfer account,	350.00	
	<u> </u>	\$650.00
Paid Andrew Linehan, treasurer,		650.00

RECAPITULATION.

State tax,	\$31,650.00
County tax,	32,042.94
Interest,	3,497.50
City poor,	1,036.50
Aid to dependant soldiers and families,	727.72
Fire department,	14,754.78
Incidentals, land damages, and abatements,	9,898.60
Public park,	14,477.62
Highway department,	41,003.66
Police and watch,	11,083.78
Committee service,	1,395.00
Salaries,	8,330.65
Printing and stationery,	2,151.55
Legal expenses,	309.54
Schools,	51,390.65
School-house taxes,	5,000.00
Public library,	6,000.00
Board of health,	1,002.98
Penacook park,	510.64
White park,	2,500.00
Memorial Day,	300.00
Margaret Pillsbury hospital,	2,000.00
Blossom Hill cemetery,	3,575.00
Old North cemetery,	350.00
West Concord cemetery,	150.00
Calvary cemetery,	800.00
Precinct,	33,622.74
Soldiers' memorial arch,	17,461.89

TRANSFER ACCOUNT.

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Repairing pest house,	\$194.68
Borough bridge,	1,520.54
Voting places for new ballot law, . .	419.01
West Concord sewerage precinct, . .	9,166.78
Penacook sewerage precinct, . .	4,703.49
Lighting streets, Penacook, . . .	650.00
	<u>\$303,678.24</u>

ACCOUNTS KEPT BY THE CITY CLERK FOR CONVENIENCE OF REFERENCE, BUT NOT INVOLVING EXPENSE TO THE CITY.

TRANSFER ACCOUNT.

Made up from unexpended balances of appropriations, and drawn upon, as allowed by city ordinance, to meet deficiencies by transfer to other appropriations.

Dr.

Balance brought from transfer account of 1891, .	\$10,731.68
To amount brought from city poor account, . .	369.75
“ “ public park,	11,022.38
“ “ highway department,	1,484.74
“ “ committee service,	15.00
“ “ printing and stationery,	98.45
“ “ legal expenses,	608.99
“ “ board of health,	2.98
“ “ soldiers' memorial arch,	3,793.11
“ “ repairing pest house,	5.32
“ “ West Concord sewerage precinct,	7,956.34
“ “ lighting streets, Penacook,	350.00
“ “ voting places,	180.93
	<u>\$36,619.67</u>

Cr.

By amount carried to dependent soldiers,	\$227.72
“ “ fire department,	658.13
“ “ incidentals, etc.,	1,658.60

By amount carried to police and watch,	367.76	
“ “ salaries, . . .	130.65	
“ “ Penacook park, . .	36.64	
“ “ Borough bridge,	420.54	
Balance carried to transfer account (1893),	33,119.63	
	<u> </u>	\$36,619.67

DOG TAX.

Received as follows :

Amount of dog tax for 1892, . . .	\$470.00	
Amount of dog license for 1892, . . .	1,391.64	
	<u> </u>	\$1,861.64

Paid as follows :

R. B. Locke, sheep killed,	\$7.50	
J. S. Locke, “	28.00	
W. G. Roach, hens killed,	6.25	
I. P. Clifford, sheep killed,	15.00	
S. M. Locke, “	6.00	
S. P. Colby, “	20.00	
John Jordan, “	5.00	
Amount carried to school fund,	1,773.89	
	<u> </u>	\$1,861.64

STONE QUARRIES.

Received of Crowley & Quinn,	\$100.00	
B. T. Putney,	100.00	
G. W. Waters,	25.00	
	<u> </u>	\$225.00

DEPARTMENT REPORTS.

WATER DEPARTMENT.

City of Concord, N. H.

WATER DEPARTMENT.

1892.

BOARD OF WATER COMMISSIONERS.

HENRY W. CLAPP, MAYOR, *ex officio*.

JOHN WHITAKER, to March 31, 1896.

HENRY E. CONANT, to March 31, 1896.

WILLIS D. THOMPSON, to March 31, 1895.

JAMES H. CHASE, to March 31, 1895.

GEORGE A. YOUNG, to March 31, 1894.

WILLIAM P. FISKE, to March 31, 1894.

JAMES L. MASON, to March 31, 1893.

JOSEPH H. ABBOT, to March 31, 1893.

ARTHUR H. CHASE, CLERK.

OFFICERS.

WILLIAM P. FISKE, PRESIDENT.

V. C. HASTINGS, SUPERINTENDENT.

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.
George 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 Now in office.
James R. Hill,* 1878 Died 1884.
George A. Cummings, *ex officio*, 1880—1883.
Edgar H. Woodman, *ex officio*,* 1883—1887.
Joseph H. Abbot, 1884 Now in office.
George A. Young, 1885 Now in office.
John E. Robertson, *ex officio*, 1887—1889.
Stillman Humphrey, *ex officio*, 1889—1891.
Henry W. Clapp, *ex officio*, 1891 Now in office.
Willis D. Thompson, 1891 Now in office.
William P. Fiske, 1891 Now in office.
James H. Chase, 1891 Now in office.
John Whitaker, 1892 Now in office.
Henry E. Conant, 1892 Now in office.

* Deceased.

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 OF STATISTICS.

Concord, New Hampshire, Water-Works.

Population of the city by census of 1890, . . . 17,004
Population of that portion of the city included within
the water-precinct, estimated, 15,000
Date of construction, 1872 ; additions since.
Works are owned by the city.
Source of supply, Penacook lake, a natural body of water con-
taining 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 domestic uses and at fixed rates), . . . \$47,427.14	For management and repairs, \$3,410.20
From rents, etc., . . . 468.19	For new distribution- pipes, 5,279.53
From pipe, etc., sold, . . 456.19	For new service-pipes, . . . 1,795.00
	For labor on shores of Penacock lake, . . . 725.18
	For maintenance of pumping station, . . . 793.36
	For incidental expenses, . . 760.00
	Abatements, 68.19
	\$12,831.46
	Amount required to pay interest on bonded indebtedness, 28,400.00
	Balance, 7,120.06
\$48,351.52	\$48,351.52

CONSTRUCTION.

Cost of Land Damages, Flowage, and Water-Rights :

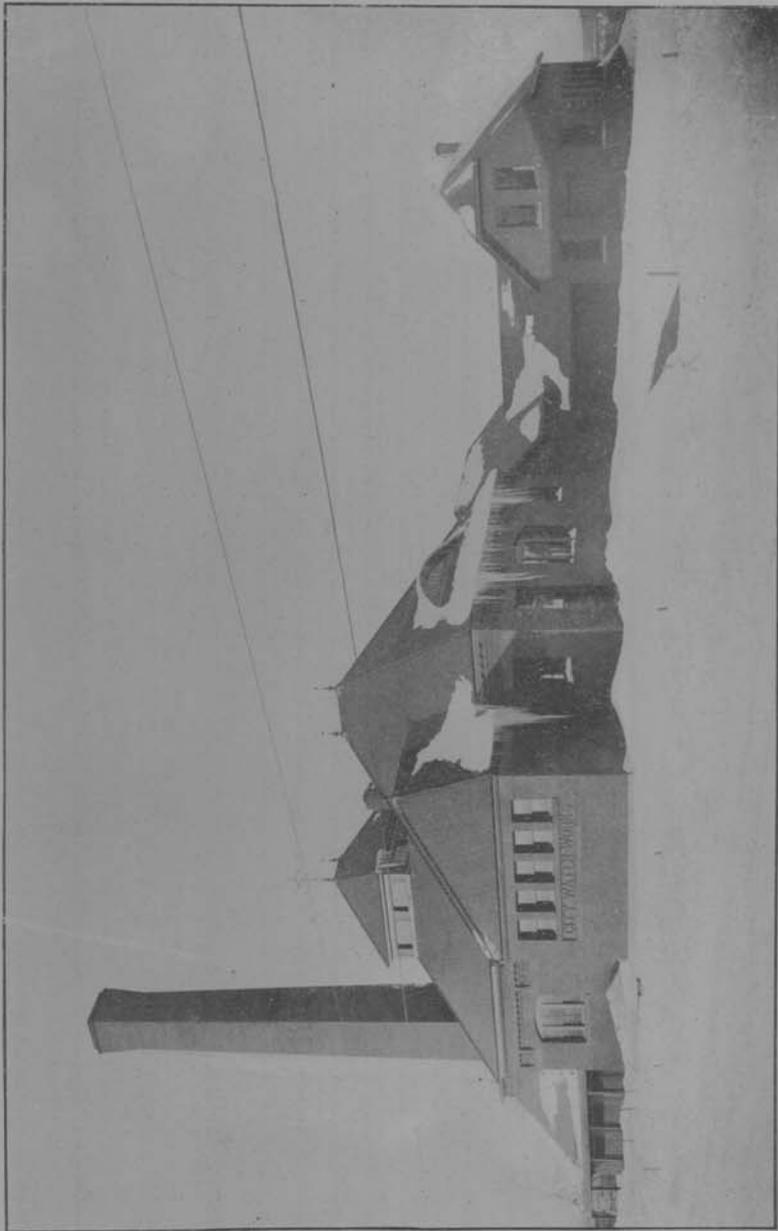
Paid B. F. & D. Holden, for water-rights, . . . \$60,000.00	
Concord Manufacturing Co., for water- rights, 83,000.00	
W. P. Cooledge, for mill-privilege and land, . . . 5,500.00	
W. P. Cooledge, for Hutchins house and lot, . . . 2,250.00	
Humphrey & Farnum, for kit-shop privilege, . . . 5,000.00	
Mary C. Rowell, for land, 1,500.00	
A. S. Ranney, for land, 1,350.00	
Alfred Roberts, for land, 1,275.00	
Moses H. Bradley, for land, 5,000.00	
Joseph B. Walker, for land, 2,214.00	
John Hook, for land, 370.00	
Flowage-rights about Penacock lake, 4,094.61	
	\$171,553.61

Cost of property and rights of Torrent Aqueduct

Association,	20,000.00
dam, gate-house, and appurtenances,	20,886.52
conduit and upper gate-house,	29,484.05
mains (one from the dam to Rumford St., one from the dam to Penacook St., one from the pump to the reservoir, fire-main through North and South Main and Turnpike Sts., and one from near the dam to Stark St.),	151,447.30
distribution-pipe,	261,839.03
service-pipe,	35,342.40
reservoir,	42,460.09
pumping station,	20,030.17
pumping machinery,	7,915.00
engineering and superintendence,	14,140.56
incidentals,	6,531.19
	<hr/>
Cost of the works, Jan. 1, 1893,	\$781,629.92

Bonds of the city have been issued to pay a part of said cost as follows:

When due.	Rate.	Amount.
April 1, 1894,	6	\$130,000.00
“ 1895,	6	20,000.00
Nov. 1, 1896,	4	10,000.00
“ 1897,	4	10,000.00
“ 1898,	4	10,000.00
“ 1899,	4	10,000.00
Oct. 1, 1912,	4	45,000.00
Jan. 1, 1923,	4	400,000.00
		<hr/>
		\$635,000.00



PUMPING STATION.

REPORT OF WATER COMMISSIONERS.

To the City Council:

The Board of Water Commissioners submit herewith their report for the year ending December 31, 1892.

Your attention is respectfully called to the report of the superintendent for the details of maintenance and construction.

The works show a steady increase in receipts, and the cost of maintenance remains about the same. The year has been one of importance in this department, and the work undertaken in 1891 has been completed with, thus far, satisfactory results.

The work on the "High Service" has occupied the attention of the board, and a committee from the members of the board was chosen to have direct supervision together with the superintendent. The committee consisted of George A. Young, Willis D. Thompson, and William P. Fiske, and they have given much time and attention to the details of the work. The work has with but one or two exceptions been done by contract, and has been done satisfactorily. The pipe laying was completed under the contract of Mr. C. H. Eglee early in the summer, and has thus far proved satisfactory. The superintendent in his report has given a detailed report of the pipe laid, which will be seen to have covered the most exposed parts of our city with pipe sufficient in size to meet all the requirements for years to come.

PUMPING STATION.

The pumping station, together with the coal-shed, shop, and stable, have been erected during the year, the foundation for the pumping station having been constructed the year before. The work was done under contract by Mr. E. B. Hutchinson, of Concord, under the supervision of Mr. Charles S. Piper; the

buildings are substantially built, and present a very attractive appearance. The plan of the pumping station is similar to many of those found in other cities, and is very simple in outline. It has separate rooms for the pumping-engine and for the boilers, with a deep, well-lighted basement under the engine-room, into which the pipes are brought. The walls of the engine-room are of brick laid in colored mortar, with a wainscoting of buff brick. A fire-place is constructed in one corner. The roof of this room is supported by iron trusses and is ceiled with Norway pine. The boiler-room is 38 by 32 feet, with monitor roof, and is large enough for three boilers. The chimney is 80 feet in height, being 12 feet square at the base, and is connected with the boiler room with a 36-inch wrought-iron flue. The entire cost of this plant is \$20,030.17. A track has been laid into the grounds from the main line of the Concord & Claremont division of the Boston & Maine Railroad, which will enable a better handling of coal and transportation of necessary supplies to the buildings. A system of pipes is laid just outside the foundation of the station, with gates so arranged as to provide a full and easy control of the mains from the lake at this point.

PUMPING MACHINERY.

The committee, after careful consideration and examination of the different makes of pumps, and visits to quite a number of pumping stations, finally awarded the contract for the pumping-engine to Henry R. Worthington, of New York city, for the sum of \$9,200.

The pump is a "Worthington triple expansion condensing pumping-engine," with a surface condenser, an independent air pump, cast-iron hot well, with suction air chamber, together with all the necessary appurtenances.

There are two high pressure steam cylinders, 9 inches in diameter; two intermediate steam cylinders, 14 inches in diameter; two low pressure steam cylinders, 22 inches in diameter; two double-acting water-plungers, 12 inches in diameter, all of 18 inches stroke. It is placed upon solid brick piers resting upon a solid foundation of cement and brick, and is bolted thereto.

The water is taken from the 14-inch main into the pump under

pressure, through a surface condenser, and is then forced into the reservoir through a 20-inch pipe.

The pumping-engine has not yet been delivered to the city, but is being completed; and will soon be tested in accordance with the contract, and the duty guaranteed will be accomplished before the acceptance.

The duty of the pumping-engine was that "the engine will be capable of delivering, when properly supplied with water, 2,000,000 United States gallons of water in twenty-four hours, when running at a piston speed not exceeding 125 feet per minute, when furnished with an effective steam pressure of not less than 100 pounds per square inch at the engine, and will deliver this quantity against a total load (including suction) on the plungers not exceeding 83 pounds per square inch."

Two boilers, each 54 inches in diameter and 15 feet in length, have been set in brick-work in the boiler-room, and have thus far proved satisfactory. They furnish heat for the building aside from the regular work.

RESERVOIR.

The contract for building the reservoir was awarded to Mr. G. W. Hendrick, of Easthampton, Mass. Test pits were sunk over the proposed location, and it was found that a large amount of rock excavation would have to be made. The work of stripping the land and removing the soil revealed a larger amount of rock to be removed, more than was estimated, and upon blasting it was found that what seemed to be a hard, solid granite ledge was in fact a mass of disintegrated rock, which at once presented serious complications. The engineer in charge advised changes in construction; the work was abandoned on account of the cold weather, and nothing was done until spring of this year. In the mean time new plans were made, under the advice of Mr. J. Herbert Shedd, of Providence, R. I., a noted engineer, with a complete change in shape and construction. Mr. Hendrick was unwilling to carry on the work under the change of plans, but was willing to dispose of his share of the contract, with all tools, etc.; a settlement was readily effected, and the work was at once carried forward more expeditiously under our engineer-in-charge, Mr. W. B. Fuller, of Malden,

Mass., who had prepared the plans, with Mr. Shedd as consulting engineer. The work has been well and thoroughly done, and great care has been taken to make the construction the best in every respect. The present plan gives a greater elevation, and is much more symmetrical.

The capacity of the reservoir is 2,000,000 gallons, and will furnish the supply for what is to be designated in our system as the "High Service." The results already shown from a partial trial of it give every reason of a success of the undertaking.

A substantial fence has been constructed around the top of the reservoir, giving space for a walk outside. The sides are to be grassed over, and everything will be done to protect and preserve the place.

The grounds occupied for the site of the reservoir contain about nine acres, and as they are improved from time to time will offer an opportunity of much pleasure for those who visit them, for the view from this spot of the surrounding country and the valley of the Merrimack is unsurpassed.

PENACOOK LAKE.

The commissioners have realized the importance of protecting the water-supply from all sources of pollution, and, with that end in view, have secured by purchase about seventy-five acres of land bordering on the lake. More should be done in this line, and eventually the city should own and control all the land bordering the shores of said lake.

INTAKE.

It has been evident for some time that an extension of the conduit into the lake would improve the quality of the water and facilitate the draught when the lake is low. In fact, when the works were built it was the intention of the designing engineer to so extend the intake from the gate-house; and in the winter of 1872-'73 soundings were taken in the lake for that purpose; but high water came on in the spring, and the conduit was built no farther than the upper gate-house just below the old dam. A number of years ago a saw-mill was located

just above the dam on the northerly shore, and there accumulated from one to three feet of sawdust. In times of low water this sawdust and the remains of the old dam were so near the surface, and the water around the gate-house was so shallow, that a strong south-west wind would stir it up and blow the sawdust directly into the intake. In 1880 the water here was so shallow that it was necessary to cut a channel through the dam to allow the water to reach the conduit; moreover, animal and vegetable growth flourish best in such shallows, and are easily drawn down to the screens. Under such circumstances it seemed necessary to extend the conduit over this accumulation of sawdust and waste into deeper water, and the low condition of the lake this summer offered a favorable opportunity for the work.

FINANCIAL.

In April of the present year \$200,000 of 6 per cent. water-bonds matured, and these were taken care of by an issue of \$200,000 of 4 per cent. bonds, dated January 1, 1892, running thirty years; an additional issue of \$200,000 of 4 per cent., thirty years bonds, of the same date, was also made in accordance with the ordinance passed by your body. These have been sold at an advance above their par value, yielding a handsome income.

The bonded debt of the work will be \$675,000, with an annual interest payment of \$28,400 until the years 1894 and 1895, when, by refunding the bonds now bearing a higher rate of interest, it will be reduced by about \$3,000. It is expected that the revenue from the work, besides the cost for all maintenance and necessary extensions, will be sufficient to establish a sinking fund to take care of bonds maturing in the years following 1895.

It is a matter of great gratification that the commissioners have been able to settle with the Concord Manufacturing Company, by which the company relinquish all their right and title in the waters of Penacook lake for the sum of \$80,000, thus giving the city the absolute control of their water-supply. This matter has long been under consideration, and no little anxiety

has been felt as to the outcome of it, for the large quantity of water used by our citizens would necessitate a larger supply to meet the demands in the near future. This we confidently expect will for many years give an ample supply of water.

Our water-supply has been called into question during the fall, with statements of the impurity of the water. This has caused many people to be alarmed. During the fall, on account of the low condition of the lake and the necessary work upon the intake, much sediment has found its way through the pipes, and caused some inconvenience; but the record of twenty years' use of the water is sufficient to establish the quality of water as good, if not superior to any supply of pond water in New England.

We have caused analyses to be made, and they will be found below, together with a report by Professor Angell, which we feel sure will satisfy all fair-minded people as to the purity of the supply.

Our superintendent, Mr. Hastings, has been untiring in the multiplied duties and responsibilities placed upon him during the construction of this new work, and he has proved himself equal to the task, and much credit is due to him in the successful completion of the high service extension.

All of which is respectfully submitted:

JOHN WHITAKER,
HENRY E. CONANT,
WILLIS D. THOMPSON,
JAMES H. CHASE,
GEORGE A. YOUNG,
WILLIAM P. FISKE,
JAMES L. MASON,
JOSEPH H. ABBOT,
HENRY W. CLAPP, *ex officio*,
Water Commissioners.

REPORT OF THE SUPERINTENDENT.

To the Board of Water Commissioners :

I herewith present to you the twenty-first 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, 1892.

RECEIPTS.

For water from consumers,	\$47,369.17
From delinquents,	57.97
For use of meters,	94.95
rent of Cooledge house,	93.75
rent of shanty,	221.15
rent of office,	58.34
pipe and stock sold,	301.19
horses sold,	155.00
	\$48,351.52
Deduct abatements,	68.19
Total receipts for 1892,	\$48,283.33

EXPENDITURES.

Paid V. C. Hastings, superintendent, . .	\$1,500.00
Elmer L. Gove,	740.00
Alice G. Cochran,	471.00
John St. Lawrence, labor,	200.00
P. A. Gurley, "	200.00
Nathaniel White, Jr., rent of office, . .	300.00
S. G. Sanborn, rent of shop in Penacook, . .	24.00
N. H. Democratic Press Co., printing, . .	27.35
Ira C. Evans, heating and printing, . .	106.25

Paid Crawford & Stockbridge, books, .	\$36.50
Silby & Son, stationery, etc., .	48.86
Arthur H. Chase, auditor and clerk of water board,	25.00
W. E. Hunt, book,	3.50
Concord Gas-Light Co., gas, . . .	32.40
N. E. Telephone & Telegraph Co., telephones,	148.11
Humphrey & Dodge, hardware, .	88.59
Thompson & Hoague, “ .	80.72
N. S. Gale & Co., “ .	3.25
Batchelder & Co., grain, etc., .	69.20
W. W. Allen, room paper, . . .	6.85
C. H. Martin & Co., lead and oil, .	28.95
Stevens & Duncklee,	30.77
W. J. Fernald, furniture and repairs,	19.00
J. M. Stewart & Sons Co., wall paper, etc.,	123.87
E. B. Hutchinson, lumber and labor,	127.50
Benjamin Bilsborough, painting, .	37.71
George Abbott, Jr., painting, .	73.77
W. P. Ford & Co., stove, etc., .	13.91
W. S. Davis & Son, repairs, . . .	19.75
Huntley & McDonald, repairs, .	8.65
E. B. Hanchay, smith-work, . . .	47.60
S. G. Sanborn, “	3.15
Richardson & Adams, rubber mittens,	6.50
Dickerman & Co., cement, . . .	8.00
Frank Coffin, “	29.32
Woodworth & Co., “	19.75
M. H. Bradley, hay,	58.18
J. M. Jones, straw,	6.40
George L. Theobald, team-work, . .	110.55
Cavis G. Brown, agent, team-work,	74.50
McShane & Gienty, “	32.50
Proctor Brothers, “	30.75
George F. Sewall, “	11.05
W. B. Cunningham, “	5.75
Davis Brothers, “	2.65

Paid D. Philbrick,	\$34.70
⌘ Pilsbury & Day, wood,	6.00
N. A. Dunklee, wagon,	50.00
Abbot-Downing Co., wagon,	200.00
C. C. Kenrick,	215.00
George A. Foster, assignee,	42.00
James R. Hill & Co., harness,	52.25
J. D. Johnson & Son, harness and repairs,	64.40
Insurance,	125.00
Star Brass Mfg. Co., gauges,	44.00
National Meter Co., meters,	55.50
Thomson Meter Co., "	14.65
Walworth Mfg. Co., brass goods and tools,	236.79
Gilchrist & Taylor, wrought-iron pipe,	312.28
Ludlow Valve Mfg. Co., valves,	113.23
Chapman Valve Mfg. Co., "	8.19
George Goodhue, pipe and labor,	61.26
P. A. Clifford, "	18.79
Chadwick Lead Mfg. Co., lead,	423.19
R. D. Wood & Co., cast-iron pipe,	2,395.72
Davis & Farnum Mfg. Co., castings,	39.68
Builders Iron Foundry, "	18.20
Henry A. Rowell, engineer,	339.18
Page Belting Co, oil tank,	34.20
Vacuum Oil Co., oil,	59.48
E. & T. Fairbanks Co., scales,	128.17
George W. Hendrick, shanty,	150.00
E. E. Clarke,	7.05
Benjamin T. Putney, dynamite,	75.43
B. F. Griffin, team-work,	25.25
Incidentals,	141.49
Pay-roll, labor,	2,230.08
	<hr/>
	\$12,763.27

The expenses are divided as follows :

For management and repairs,	\$3,410.20
new service-pipes,	1,795.00
new distribution pipes,	4,546.30

For gates for new work,	\$113.23	
relaying pipe in Penacook and Con-		
cord streets and Hill's avenue,	620.00	
labor on shore of Penacook lake, .	725.18	
maintenance of pumping station, .	793.36	
incidental expenses,	760.00	
		————— \$12,763.27

The water rents have increased \$1,684.63 over those of 1891, and all the rents for the year have been collected, and it is pleasant to record that we have not been compelled to shut off a supply to enforce collection since 1887.

EXTENSIONS AND IMPROVEMENTS.

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

- In Penacook street,*
east from North State street, 92 feet 10-inch pipe.
- In Beacon street,*
753 feet 6-inch pipe.
- In Bow street, so called,*
from South to Warrenston street, 590 feet 6-inch pipe.
- In Warrenston street,*
west from Broadway, 290 feet 6-inch pipe.
- In Warrenston street,*
east from Bow street, so called, 130 feet 6-inch pipe.
- In Glen street,*
south from West street, 375 feet 6-inch pipe.
- In Depot street, West Concord,*
west from Main street, 350 feet 6-inch pipe and 1 hydrant.
- In North Essex street,*
north from Blanchard street, 218 feet 6-inch pipe.
- In Woodman street,*
west from Fruit street, 112 feet 6-inch pipe.
- In Charles street,*
north from Beacon street, 275 feet 4-inch pipe.
- In Abbott street,*
east from Rumford street, 264 feet 4-inch pipe.

- In Myrtle street,*
north from Concord street, 225 feet 4-inch pipe.
- In Elm street,*
north from Wall street, 210 feet 4-inch pipe.
- In Granite avenue,*
west from Prospect street, 210 feet 4-inch pipe.
- In Summit avenue,*
south from School street, 172 feet 4-inch pipe.
- In Perry avenue,*
north from Centre street, 125 feet 4-inch pipe.
- In Harrod street,*
north from Beacon street, 58 feet 4-inch pipe.
- In Penacook street,*
east from North State street, 24 feet 10-inch pipe, relaid in
place of 6-inch.
- In Penacook street,*
east from North Main street, 434 feet 6-inch pipe, relaid.
- In Church street,*
east from Rumford street, 75 feet 6-inch pipe relaid in
place of 4-inch, and 1 hydrant set.
- In Concord street,*
from South to South Spring street, 250 feet 4-inch pipe,
relaid.
- In Hill's avenue,*
west from Railroad street, 75 feet 4-inch pipe, relaid.

IN PENACOOK.

- In Winter street,*
west from High street, 400 feet 6-inch pipe.
- In Union street,*
west from Main street, 225 feet 4-inch pipe.
- On hydrant branches, 36 feet 6-inch pipe and 17 feet 4-inch pipe.
- On blow-off at reservoir, 132 feet 10-inch pipe.

Summary of the Foregoing.

<i>Pipes.</i>	<i>Hydrants.</i>	<i>Stop-Gates.</i>
1-in., 535 feet.	Tahanto street, 1	4-in., 9
4-in., 1,781 "	Harrison " 1	6-in., 11
6-in., 3,154 "	Church " 1	8-in., 1
10-in., 224 "	Depot street, West Concord, 1	10-in., 2
		12-in., 1
		14-in., 3
		20-in., 1
<hr/> 5,694 feet, —equal to 1.08 miles	<hr/> 4	<hr/> 28

SERVICE-PIPES.

There have been laid during the year, and connected with the main-pipe, 137 service-pipes, consisting of,—

132 1-inch,	2,885 feet.
2 2-inch,	42 "
2 4-inch,	205 "
1 6-inch,	60 "
<hr/> 137	<hr/> 3,192 feet.

Whole number service-pipes, 2,725 ; number discontinued, 3 ; number in use at the present time, 2,722.

Whole number feet, 63,697, equal to 12.06 miles.

There have been repaired during the year, 26 leaks : 11 from rust holes, 9 from pick holes, 5 on service-pipes, and 1 joint leak.

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

January, . . . 176.05	July, . . . 174.50
February, . . . 175.95	August, . . . 173.60
March, . . . 175.00	September, . . . 173.80
April, . . . 174.65	October, . . . 173.80
May, . . . 174.50	November, . . . 172.70
June, . . . 175.15	December, . . . 172.20

The lowest point reached was December 31, being 171.20 ; the highest was January 18, 176.30 ;—mean height, 174.32,

which was 5.68 feet lower than during the year 1891. The record for December 31 was eight tenths of a foot lower than at any time since the lake has been used as a water-supply; two days later, however, a rain storm raised the lake one foot, so that at present the water is about the level of the winter of 1880-'81.

The low water has afforded an excellent opportunity for clearing the shores of the lake, and this work, which was begun in 1891, has been continued at intervals during the year and has been completed, except a small portion on the northerly side.

HIGH SERVICE.

The new high service system is practically completed, and has been put in partial operation. In connection with this work, several new features were introduced this year, which, while not directly included in the system, seemed to be necessary for its best operation, notably, the extension of the conduit and the construction of a shop and a stable on the pumping-station grounds. Below is the construction account of the high service system and the extension of the intake, also the land and water damages for the past year.

HIGH SERVICE CONSTRUCTION ACCOUNT.

Reservoir.

Paid pay-roll, labor,	\$23,864.09
N. E. Granite Works, block paving,	2,428.80
G. H. Sampson, dynamite,	111.75
B. T. Putney, "	108.70
E. E. Fisher, "	7.00
town of Clinton, Mass., road roller,	60.00
George A. Foster, assignee,	34.00
J. E. Robertson, "	43.75
Ames Plow Co,	28.41
Deane Steam Pump Co.,	81.48
James A. Ordway, use derrick and engine,	263.00
Pilsbury & Day, coal,	109.25
H. O. Marsh, "	60.00

Paid E. B. Hutchinson, lumber and labor,	\$44.02
Kimball, Danforth & Forrest, lum- ber and labor,	113.46
Dickerman & Co., cement,	189.30
Woodworth & Co., "	176.40
Builders Iron Foundry, castings,	11.20
Ford & Kimball, "	39.44
Vacuum Oil Co., oil,	17.01
Thompson & Hoague, hardware,	295.41
Humphrey & Dodge, "	165.70
George L. Theobald, team-work,	68.50
Proctor Brothers, "	11.75
A. C. Sanborn, grain, etc.,	264.12
C. H. Ayer, hay,	21.80
J. H. Coburn, hay,	23.95
W. S. Davis & Son, repairs,	24.35
J. D. Johnson & Son, repairs,	19.45
Nutting & Hayden, smith-work,	13.42
E. B. Hanchay, "	40.30
T. P. Conroy,	70.50
I. H. Ordway,	23.00
George Goodhue, pipe,	62.16
Cross & Tolles, pattern-work,	21.75
N. P. Stevens, machine-work,	25.00
Frank H. George, supplies,	11.20
Concord highway department, mac- adam,	300.00
George W. Hendrick,	5,700.94
Incidentals,	50.18
	<hr/> \$35,004.54

Reservoir Grounds.

Paid pay-roll, labor,	\$1,079.00
M. H. Johnson, stone posts,	77.00
Concord Foundry Co., iron posts,	37.80
E. B. Hutchinson, building fence,	172.25
George Abbott, Jr., painting fence,	25.00
M. H. Bradley, grade,	130.00
	<hr/> \$1,521.05

Pipe and Special Castings.

Paid R. D. Wood & Co., pipe, . . .	\$9,837.99	
Builders Iron Foundry, castings, . .	63.68	
N. P. Stevens, machine-work, . . .	36.07	
Ford & Kimball, "	33.80	
Concord & Montreal Railroad, freight,	70.17	
Incidentals,	104.22	
	—————	\$10,145.93

Gates and Hydrants.

Paid Ludlow Valve Mfg. Co., gates and hydrants,	\$1,119.00	
Walworth Mfg. Co., gate-boxes, . . .	83.53	
Concord & Montreal Railroad, freight,	21.00	
	—————	\$1,223.53

Laying Pipe, Setting Gates and Hydrants, etc.

Paid Charles H. Eglee, labor,	\$12,599.36	
Cavis G. Brown, agent, drawing pipe,	383.79	
Ferrin & Woodman, labor and mate- rials,	24.36	
Concord Gas-Light Co.,	16.93	
Concord highway department,	10.00	
	—————	\$13,034.44

Pumping Station.

Paid E. B. Hutchinson, building pumping station, coal-house, shop, stable, and shed, as per contract,	\$9,961.00	
E. B. Hutchinson, extra labor and materials,	2,064.54	
D. H. Andrews, iron roof trusses, . .	760.00	
E. Hodge & Co., uptake,	137.50	
Manchester Locomotive Works,	77.50	
Ford & Kimball, castings,	217.51	
George H. Davis, stone-work,	134.51	
M. H. Johnson, "	187.00	
Ferrin & Woodman, foundation for pump,	500.07	

Paid Samuel Holt, brick,	\$53.25
Miles F. Farmer, mason-work,	32.07
Rowell & Plummer, "	110.40
Concord & Montreal Railroad, stock and freight,	67.32
W. M. Darrah,	12.40
Walworth Mfg. Co., pipe and fix- tures,	108.05
George Goodhue, pipe and fixtures,	86.74
Gilchrist & Taylor, "	50.67
George Abbott, Jr., painting,	147.07
Woodworth & Co., cement,	199.10
Caleb P. Little, grade,	99.00
George W. Chesley, grade,	334.28
E. H. Runnells, "	435.60
C. T. Huntoon, lightning rods,	74.55
Concord Foundry Co.,	14.46
George L. Theobald, bank wall and boiler foundation,	820.05
James H. Rowell, concrete,	334.27
Pay-roll, labor,	467.24
Incidentals,	129.01
	<hr/> \$17,615.16

Pumping Machinery.

Paid Henry R. Worthington, on account, as per contract,	\$6,900.00
Henry R. Worthington, extra cast- ings and valves,	* 1,015.00
	<hr/> \$7,915.00

Incidentals.

Paid Boston & Maine Railroad, laying track,	\$448.43
N. Y. Evening Post, advertising bonds,	42.00
Traveller Publishing Co., advertis- ing bonds,	25.00
Boston Advertiser, advertising bonds,	21.00