

## CONCLUSION.

It is hoped that the present prosperity will continue through the coming year and the continued support of the community will help to this end. Many thanks are extended to those who have assisted by their kind words or deeds to make possible the developments of the past year.

I take this opportunity to thank the Board of Education for their support and interest. Their personal attention has added much to the pleasure and efficiency of the educational work.

Respectfully submitted,

H. C. SANBORN.

TABLE OF ATTENDANCE FOR THE YEAR 1904-1905.

TEACHERS.	Grade.	Length of school in weeks.	Whole number of different pupils registered.			Average membership.	Average daily absence.	Average daily attendance.	Per cent. of attendance.	No. of cases of tardiness.	Average number of tardinesses to a pupil.	No. of pupils under 6 years of age.	No. of pupils over 16 years of age.	No. of pupils between 6 and 16 years of age.	No. of visits by committee.	No. of visits by superintendent.	No. of visits by parents and others.	No. of pupils not absent or tardy.
			Boys.	Girls.	Total.													
Willard B. Atwell	9th and 6th	36	25	38	53	46	3	43	93	197	4.3	.....	7	46	6	22	34	2
Katherine M. McLaughlin	8th and 7th	36	24	22	46	38	2	36	93	126	3.3	.....	1	45	2	20	21	1
Susan E. Pickard	5th	36	25	19	44	32	3	29	90	154	4.8	.....	.....	44	1	15	60	.....
Maria Carter	4th	36	27	27	54	50	3	47	93	171	3.4	.....	.....	54	2	15	77	3
Hannah R. Holden	3d	36	26	14	40	30	1	29	95	32	1.0	.....	.....	40	2	13	16	1
Lillian G. Stevens	2d and 1st	36	22	23	45	40	3	37	92	102	2.5	1	.....	44	2	23	40	.....
Mildred E. Emery	1st	36	26	44	70	48	5	43	89	115	2.3	55	.....	15	4	24	55	.....
Henrietta L. Otterson																		

**REPORT OF TREASURER, SCHOOL DISTRICT**  
**No. 20.**

RECEIPTS.

Balance on hand from 1904 and 1905	\$591.08
Received from city treasurer . . . . .	6,706.56
tuition . . . . .	77.53
John Tucker, sale of stove . . . . .	5.00
John McGinn, de- facing furniture . . . . .	.50
sale of books . . . . .	2.50
	————— \$7,383.17

EXPENDITURES.

Superintendent's salary . . . . .	\$300.08
Teachers' salary . . . . .	3,209.74
Treasurer's salary . . . . .	25.00
Text-books . . . . .	411.98
School supplies . . . . .	129.99
Sinking fund . . . . .	500.00
Tuition . . . . .	705.96
Fuel . . . . .	637.72
Care of schoolhouses . . . . .	391.20
Repairs . . . . .	454.06
General supplies . . . . .	50.63
Miscellaneous . . . . .	469.61
Cash in hands of treasurer . . . . .	97.20
	————— \$7,383.17

Respectfully submitted,

DAVID T. TWOMEY,  
*Treasurer.*

## SALARIES.

H. C. Sanborn, superintendent . . . . .	\$300.08	
Annie M. Chandler (music) . . . . .	71.65	
W. B. Atwell . . . . .	800.09	
Elizabeth Saunders . . . . .	250.00	
Katherine McLaughlin . . . . .	110.00	
Lillian Chase . . . . .	250.00	
Susan Pickard . . . . .	360.00	
Maria Carter . . . . .	360.00	
Hannah Holden . . . . .	360.00	
Gertrude Stevens . . . . .	324.00	
Henrietta Otterson . . . . .	324.00	
David T. Twomey, treasurer . . . . .	25.00	
		\$3,534.82

## TEXT-BOOKS.

Scott Foresnian & Co. . . . .	\$10.70	
D. C. Heath & Co. . . . .	52.26	
Houghton, Mifflin & Co. . . . .	8.45	
Edward E. Babb . . . . .	144.87	
Longmans, Green & Co. . . . .	7.20	
American Book Co. . . . .	29.92	
Ginn & Co. . . . .	118.99	
Allyn, Bacon & Co. . . . .	7.50	
J. L. Hammett Co. . . . .	12.00	
Oliver Ditson Co. . . . .	1.29	
Rand, McNally & Co. . . . .	18.80	
		\$411.98

## SCHOOL SUPPLIES.

J. L. Hammett & Co., paper, pens, crayons . . . . .	\$23.76
Annie M. Chandler (music) . . . . .	7.49
Eagle Pencil Co., pens, pen-holders and pencils . . . . .	20.83
Milton Bradley Co., kindergarten supplies . . . . .	27.72

## SCHOOL REPORT.

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Charles E. Lauriat & Co., encyclopedia and dictionary . . . . .	\$44.00	
C. H. Fowler, ink, paper, ledger and journal . . . . .	4.77	
Ginn & Co., bills and currency . . . . .	1.42	
	<hr/>	\$129.99

## SINKING FUND.

Deposited with Loan & Trust bank . . . . .		\$500.00
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## TUITION.

W. C. Bartlett, tuition of daughter at Tilton Seminary . . . . .	\$13.33	
J. T. Walker, agent Union School District . . . . .	692.63	
	<hr/>	\$705.96

## FUEL.

John C. Farrand, wood and coal . . . . .	\$620.54	
E. L. Davis, wood and coal . . . . .	8.93	
Ezra Runnells, wood . . . . .	8.25	
	<hr/>	\$637.72

## CARE OF SCHOOLHOUSES.

William Farrand . . . . .		\$391.20
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## REPAIRS.

Aug. 20, Sept. 9. Elmer E. Welch, labor (old schoolhouse) . . . . .	\$72.32	
Sept. 9. W. C. Spicer, paint stock . . . . .	8.23	
Oct. 6. Ed. C. Durgin, labor . . . . .	35.21	
J. E. Symonds Table Co., refinishing desks . . . . .	1.25	
13. Isaac Baty, water closets as per contract, \$246-.85; extra work and supplies, \$24.05 . . . . .	270.90	
Fred M. Dodge, repairing bells . . . . .	3.00	

Nov. 14.	J. E. Symonds Table Co., umbrella racks . . .	\$6.25	
Dec. 14.	H. H. Hoyt, repairing motor . . . . .	6.52	
	C. M. & A. W. Rolfe, lumber, glass and labor	30.58	
	H. G. Wilson, repairing clocks . . . . .	4.75	
Jan. 10.	Isaac Baty, labor . . .	15.05	
		<hr/>	\$454.06

## GENERAL SUPPLIES.

	G. E. Farrand, ivorine, brooms, soap, oil, etc. . . . .	\$3.33	
	Foote, Brown & Co., brooms, pails, paint, oil, etc. . . . .	47.30	
		<hr/>	\$50.63

## MISCELLANEOUS.

1904.			
April 8, Oct. 6.	V. C. Hastings, one year's water rent . . .	\$45.00	
April 8, June 20, Oct. 6, Dec. 12.	John McGirr, express	13.65	
May 20.	W. W. Allen, shades . . .	6.36	
May 20, Aug. 18, Nov. 14, Feb. 6.	Penacook Electric Light Co., power, \$30; sup- plies, \$17.64 . . . . .	47.64	
June 17.	William Farrand, grading	1.05	
	W. B. Atwell (money paid out) . . . . .	1.00	
	21. Lloyd & Mann, lettering diplomas . . . . .	1.50	
Aug. 18.	Towne & Robie, certifi- cate cards and folders	4.05	
	J. E. Symonds Table Co., shelves . . . . .	.50	

Aug. 18.	D. Warren Fox, hardware . . . . .	\$1.27
	O. J. Fifield, team hire . . . . .	2.50
	F. E. Bean, printing . . . . .	5.75
	Mary Bell, hall for graduating exercises . . . . .	7.00
	E. L. Davis, trucking . . . . .	2.25
	Prescott Piano Co., tuning piano . . . . .	2.20
	H. C. Sanborn, mileage and postage . . . . .	6.00
	W. W. Allen, shade roller and pull . . . . .	.39
	H. A. Brown, tuning piano . . . . .	2.00
Sept. 20.	W. W. Allen, decorating new schoolhouse . . . . .	10.00
Oct. 6.	W. W. Allen, shades and bunting . . . . .	9.77
	E. L. Davis, freight and cartage . . . . .	8.99
Nov. 7.	Fred Miner, labor . . . . .	2.70
Dec. 14.	Towne & Robie, printing . . . . .	17.25
	D. Warren Fox, hardware . . . . .	2.05
1905.		
Jan. 10.	Buxton & Sherburne, insurance . . . . .	157.50
Feb. 6.	R. E. Gale, hardware . . . . .	7.41
	H. C. Sanborn, mileage and supplies . . . . .	8.61
Mar. 17.	F. E. Bean, 2 clocks . . . . .	7.50
	C. M. & A. W. Rolfe, double windows . . . . .	70.33
	Frank Keefe, rebate on tuition . . . . .	.42
	Chas. H. Barnett, labor stock . . . . .	16.97

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 \$469.61

## REPORT OF BUILDING COMMITTEE, SCHOOL DISTRICT No. 20.

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At a special meeting of School District No. 20, held May 14th, 1903, a special building committee was appointed and empowered to purchase three lots of land on Charles street, known as the Holden, Chase and Whitaker lots, also to procure plans and specifications for a schoolhouse to be erected on this land in accordance with the recommendations of the Board of Education.

The land was immediately secured and steps taken to procure the necessary plans and specifications.

The committee, desiring to erect a building that would be modern in every respect and best suited to the needs of the district, spent considerable time and gave due attention to the selection of an architect capable of supplying such plans.

Of the designs submitted, those of E. R. B. Chapman of Boston appeared to most nearly meet the needs and he was therefore selected to do this work.

The plans adopted call for a four-room, wooden building, with ashler underpinning and slated roof, with superintendent's, teachers' and supply rooms and the necessary hall ways. The heating apparatus, situated in the basement, is of the indirect steam type and is in accordance with the Massachusetts laws for heating and ventilating. It also has direct steam that may be used should occasion require.

The toilet rooms are situated in the basement, under the halls and supply rooms.

The district was fortunate in securing such a large lot of land, centrally located, and yet not on a main thoroughfare.

A new school building was deemed necessary to relieve the congested condition of our old house and the first plans for a new building contemplated using two rooms only and those to be used by the lower grades.

During the erection of the new building the matter of maintaining the first year of a high school course in this district was brought out and at the annual school meeting, held March 31st, 1904, the district voted to establish this additional grade.

This caused some changes in the plans of the Board of Education and they decided it was best to use all of the new building instead of only two rooms as first planned, and place all grades above and including the fifth in the new building. This arrangement seemed particularly good as it would relieve the old house in the matter of heat and ventilation, making conditions there much better than in the past.

The contracts were let under these three heads: Building, heating and ventilation, and plumbing, and were awarded under competitive bids.

The contract for the building was awarded to the George E. Brown Building Company of Woburn, Mass. For heating and ventilation, to Orr & Rolfe of Concord, N. H., and for the plumbing to Isaac Baty of Penacook, N. H.

The plans and specifications were received from the architect August 12th, 1903. The contract for building was awarded October 3d, 1903. The contract for heating and ventilation, also for plumbing, was awarded June 3d, 1904.

Work on excavation was started immediately after the building contract was signed, but on account of the excessive cold weather further work on building was stopped in November and resumed in the spring of 1904. The building was completed and occupied at the beginning of the fall term of school in 1904.

We have now had a chance to prove the efficiency of the new building. It has been occupied through an excessively

cold fall and winter and we are pleased to report that the rooms are found to be light and well heated and ventilated. The construction and accommodations are satisfactory in all respects.

The cost may be found ably detailed in the report of the treasurer and we are pleased to have been able to finish such a modern building within the limits of the sum appropriated.

The committee has put much time and thought in the fulfilment of their duties and believe they have finished a building that will accommodate the district for many years. One that is sanitary in all respects and that will be a credit to the village. We also believe that the sum spent is money well invested, for, by giving the pupils better surroundings, we shall stimulate higher ambitions, thereby laying a solid foundation upon which the future men and women of our village are to shape their lives.

It is with pleasure I can report that the committee have worked in complete harmony and it is their hope that the result of their labors will meet with the approval of the School District No. 20.

Respectfully submitted,

HENRY A. BROWN,

*Clerk of Building Committee.*

Signed by Building Committee,

HENRY C. HOLBROOK,

L. C. PRESCOTT,

HENRY A. BROWN,

DAVID T. TWOMEY,

JOHN C. FARRAND,

CLARENCE A. DAVIS.

**TREASURER'S REPORT OF BUILDING COM-  
MITTEE.**

RECEIPTS.

From money borrowed . . . .	\$2,000.00
sale of bonds . . . .	13,800.00
accrued interest and premium . . . .	107.06
interest on deposits . . . .	105.14
rods sold . . . .	1.56
	\$16,013.76

EXPENDITURES.

For building . . . .	\$8,779.40
land . . . .	1,700.00
plans and supervision . . . .	308.40
furniture . . . .	700.28
plumbing and heating . . . .	1,841.82
note paid . . . .	2,000.00
interest on note . . . .	24.75
grading and draining . . . .	266.62
incidentals . . . .	387.40
cash on hand . . . .	5.09
	\$16,013.76

Respectfully submitted,

DAVID T. TWOMEY,

*Treasurer.*

BUILDING.

No. 12, Barker Lumber Co., flooring (extra) . . . .	\$185.20
G. E. Brown Building Co., 1st contract	\$7,139.00

## CITY OF CONCORD.

No. 12, G. E. Brown Building	
Co., 2d contract	\$1,265.20
G. E. Brown Building	
Co., extra work	270.00
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	\$8,674.20
G. E. Brown Building	
Co., rebate credit	80.00
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	\$8,594.20
Paid G. E. Brown Building Co.	\$8,194.20
Balance due (held by writ)	
G. E. Brown Building Co.	400.00
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	\$8,779.40

## LAND.

No. 1. Sarah F. Holden	. . .	\$650.00
No. 2. Fred H. Chase	. . .	600.00
No. 3. Francis Whitaker	. . .	450.00
		<hr/>
		\$1,700.00

## PLANS AND SUPERVISION.

No. 37. Clarence A. Davis, supervision of construction	. . .	\$58.40
E. R. B. Chapman, architect		250.00
		<hr/>
		\$308.40

## FURNITURE.

No. 29. J. E. Symonds Table Company, umbrella racks	. . .	\$11.20
No. 35. Chandler Desk Company, desks, as per contract	. . .	625.26
No. 28. W. W. Allen, shades and fixtures (contract)	. . .	33.82
No. 26. J. E. Symonds Table Co., teachers' desks	. . .	30.00
		<hr/>
		\$700.28

## NOTE AND INTEREST.

Mechanicks National bank, note . . . . .	\$2,000.00	
Interest on note . . . . .	24.75	
		\$2,024.75

## PLUMBING AND HEATING.

Orr & Rolfe, contract for heating . . . . .	\$1,278.75	
Isaac Baty, plumbing con- tract . . . . .	\$460.00	
Isaac Baty, special work . . . . .	103.07	
	\$563.07	
No. 31. Paid Isaac Baty . . . . .	300.00	
Balance due Isaac Baty . . . . .	263.07	
		\$1,841.82

## GRADING AND DRAINING.

No. 9. Henry Morrill, grading . . . . .	\$60.62	
No. 23. Henry Morrill, draining land . . . . .	206.00	
		\$266.62

## INCIDENTALS.

No. 7. Henry A. Brown, telephoning, postage, stationery, etc. . . . .	\$8.09	
No. 5. Boston Bank Note Company, printing first set of bonds . . . . .	45.00	
No. 10. Clarence Davis, freight on flooring . . . . .	22.90	
No. 15. Concord Foundry Company, castings . . . . .	3.00	
No. 17. John C. Farrand teaming . . . . .	10.85	
No. 18. Buxton & Sherburne, insur- ance . . . . .	18.00	
No. 22. Boston & Maine R. R., freight . . . . .	21.04	
No. 25. Boston Bank Note Company, printing second issue of bonds . . . . .	42.00	

No. 29. E. L. Davis, drawing desks and chairs . . . . .	\$4.70
No. 27. C. P. Coakley, hotel bill for architect . . . . .	1.00
No. 32. John B. Varick, hardware as per contract . . . . .	113.48
No. 33. Clarence Davis, telephoning, express and supplies . . . . .	13.72
No. 38. Lee Bros., roof piece . . . . .	1.25
No. 40. Fred M. Dodge, work on bells . . . . .	2.00
No. 41. E. L. Davis, teaming . . . . .	1.60
No. 42. C. M. & A. W. Rolfe, lumber . . . . .	21.69
No. 43. D. Warren Fox, hardware . . . . .	15.13
No. 44. Geo. Neller, labor and stock . . . . .	37.40
No. 45. C. H. Barnett, labor and ma- terial . . . . .	1.20
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	\$387.40

**AGREEMENT BETWEEN THE CITY OF CONCORD AND SCHOOL DISTRICT No. 20.**

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WHEREAS, School District No. 20, in the city of Concord, at its annual meeting duly notified and held in said district on the 9th day of July, 1903, passed resolutions of which the following is a copy:

1. *Resolved*, That the present and prospective indebtedness arising from the purchase of the Charles Street lot and the building and furnishing of the Charles Street school building be funded at a rate of interest not exceeding three and one-half ( $3\frac{1}{2}$ ) per cent., and that a sufficient sum of money be assessed upon the polls and estates of School District No. 20 on the first day of April in each year hereafter, to meet the payments of interest and of the principal, as it falls due from year to year, and that the money obtained by said assessments be and hereby is appropriated to make said payments.

2. *Resolved*, That the district request the city of Concord to aid in funding this indebtedness, as the city is authorized to do by the act of the legislature of New Hampshire, approved August 14th, 1889, entitled "An act to authorize the city of Concord to borrow money in aid of its school districts," provided said city will borrow the money necessary for the purpose set forth in the last resolution and will allow the district to have the use of the money so borrowed; and, further, that if this request is complied with, the district will seasonably pay to the city sufficient sums of money to enable the city to meet the payments of interest and principal upon its indebtedness so created, as the same fall due, and all incidental expenses, and will apply the money to be raised under the last resolution to the payments aforesaid.

3. *Resolved*, That John C. Farrand, Clarence A. Davis and David T. Twomey, members of the building committee of the Charles Street school building, be the agents of the district to negotiate and agree with the city for its aid, as set forth in the last resolution, and to sign, seal and deliver all writings and papers that may be deemed necessary or advisable relating to said negotiations and agreements, and if the city does not aid the district, as requested, said persons are authorized to borrow money for the use of the district for the purpose set forth in the first resolution, and to give the district's notes or other obligations for the money so borrowed, and full authority is hereby given to said persons to do all the acts aforesaid, and it shall be their duty to make a full report in writing of their doings under the authority herein granted at the next annual meeting of the district; and

WHEREAS, The City Council of said city of Concord, in compliance with the request contained in the second resolution above copied, on the tenth day of August, 1903, passed an ordinance for the issue of the city's bonds to raise the money required by said district as aforesaid;

Now, therefore, this is to witness:—

1. That in accordance with said resolutions and ordinance, the city of Concord has issued and delivered to said district its bonds to the amount of nine thousand five hundred dollars (\$9,500), in denominations of five hundred dollars (\$500) each. Said bonds all bearing date of September 1st, 1903, and all bearing a rate of interest of  $3\frac{1}{2}$  per cent., payable semi-annually on the first days of September and March of each year.

Ten of said bonds being payable September 1st, 1913, and one of said bonds being payable on the first day of September of each year after 1913 until all of said bonds have been paid.

2. That said district is to have the use of the money arising from the sale of said bonds until said bonds become due.

3. That said district will seasonably pay to said city sufficient sums of money to enable it to meet the payments of principal and interest of said bonds as the same become due, and all incidental expenses growing out of their issue, and will apply the money to be raised under the first of said resolutions to said payments.

4. That said district will indemnify the said city, and save it harmless from all loss, costs and expense to which it may be subjected by reason of making and issuing such bonds.

5. That when said district has fulfilled its agreements contained in articles three and four above, it shall be discharged from all further liability to said city by virtue of the transactions herein referred to.

In witness whereof, the said parties have set their corporate names to this agreement in duplicate, and have interchangeably delivered the same this twenty-first day of October, A. D. 1903, by their respective agents thereto duly authorized.

CHARLES R. CORNING,  
*Mayor of Concord.*

W. F. THAYER,  
*Treasurer of Concord.*

JOHN C. FARRAND,  
CLARENCE A. DAVIS,  
DAVID T. TWOMEY,

*Agents of School District No. 20.*

## AGREEMENT BETWEEN THE CITY OF CONCORD AND SCHOOL DISTRICT No. 20.

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WHEREAS, School District No. 20, in the city of Concord, at a meeting duly notified and held in said district on the 25th day of July, 1904, passed resolutions, of which the following is a copy:

1. *Resolved*, That the sum of four thousand and three hundred dollars (\$4,300) be raised and appropriated on the polls and ratable estates of School District No. 20, to complete and furnish the new schoolhouse on Charles street, in addition to the sum of nine thousand and seven hundred dollars (\$9,700), already appropriated for building said schoolhouse.

2. *Resolved*, That the present and prospective indebtedness of School District No. 20, arising from the completion and furnishing of the Charles Street school building, now in process of erection, be funded at a rate of interest not exceeding three and one-half ( $3\frac{1}{2}$ ) per cent., and that a sufficient sum of money be assessed upon the polls and estates in School District No. 20, on the first day of April in each year hereafter, to meet the payment of interest and of the principal as it falls due from year to year, and that the money obtained by said assessments be and hereby is appropriated to make said payments.

3. *Resolved*, That the district request the city of Concord to aid in funding this indebtedness as the city is authorized to do by the act of the legislature of New Hampshire, approved August 14, 1889, entitled "An act to authorize the city of Concord to borrow money in aid of its school districts," provided said city will borrow the money necessary for the purpose set forth in the last resolution and will

allow the district to have the use of the money so borrowed; and, further, that if this request is complied with, the district will seasonably pay to the city sufficient sums of money to enable the city to meet the payments of interest and principal upon its indebtedness so created, as the same falls due, and all incidental expenses, and will apply the money to be raised under the last resolution to the payments aforesaid.

4. *Resolved*, That John C. Farrand, David T. Twomey and Clarence A. Davis be the agents of the district to negotiate and agree with the city for its aid as set forth in the last resolution, and to sign, seal and deliver all writings and papers that may be deemed necessary or advisable relating to said negotiations and agreements, and if the city does not aid the district as requested, said persons are authorized to borrow money for the use of the district for the purpose set forth in the first resolution, and to give the district's notes or other obligations for the money so borrowed, and full authority is hereby given to said persons to do all the acts aforesaid, and it shall be their duty to make a full report in writing of their doings, under the authority herein granted, at the next annual meeting of the district.

WHEREAS, The City Council of said city of Concord, in compliance with the request contained in the third resolution above copied, on the 8th day of August, 1904, passed an ordinance for the issue of the city's bonds to raise the money required by said district as aforesaid;

Now, therefore, this is to witness:

1. That in accordance with said resolutions and ordinance, the city of Concord has issued and delivered to said district its bonds to the amount of four thousand three hundred dollars (\$4,300), eight of said bonds being of the denomination of five hundred dollars (\$500) each, and one of said bonds being of the denomination of three hundred dollars (\$300), said bonds all bearing date of September 1,

1904, and all bearing a rate of interest of three and one-half ( $3\frac{1}{2}$ ) per cent., payable semi-annually on the first days of September and March in each year, and all of said bonds being payable on the first day of September, 1924.

2. That said district is to have the use of the money arising from the sale of said bonds until said bonds become due.

3. That said district will seasonably pay to said city sufficient sums of money to enable it to meet the payments of principal and interest of said bonds as the same become due, and all incidental expenses growing out of their issue, and will apply the money to be raised, under the first of said resolutions, to said payments.

4. That said district will indemnify the said city and save it harmless from all loss, costs and expense to which it may be subjected by reason of making and issuing such bonds.

5. That when said district has fulfilled its agreement contained in articles 3 and 4 above, it shall be discharged from all further liability to said city by virtue of the transaction herein referred to.

In witness whereof, the said parties have set their corporate names to this agreement in duplicate and have interchangeably delivered the same, this 26th day of August, A. D. 1904, by their respective agents thereto duly authorized.

CHARLES R. CORNING,  
*Mayor of Concord.*

W. F. THAYER,  
*Treasurer of Concord.*

JOHN C. FARRAND,  
DAVID T. TWOMEY,  
CLARENCE A. DAVIS,  
*Agents of School District No. 20.*

**REPORT OF AGENTS APPOINTED BY DISTRICT  
No. 20 TO PROCURE MONEYS TO BUILD  
A NEW SCHOOLHOUSE ON  
CHARLES STREET.**

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At a regular meeting of School District No. 20, held July 9th, 1903, John C. Farrand, Clarence A. Davis and David T. Twomey were appointed agents by said district to negotiate and agree with the city of Concord for its aid to procure the sums of money needed to build and equip a new schoolhouse on Charles street. Your committee have attended to their duties, with the following result: August 10th, 1903, the city passed an ordinance for the issue of the city's bonds to the amount of nine thousand five hundred dollars. Another meeting of said school district was held July 25th, 1904, and the same agents were empowered to act for the district, when the district voted to authorize their agents to negotiate a loan with the city for the sum of four thousand three hundred dollars. On the 8th day of August, 1904, the city council passed an ordinance for the issuance of its bonds for the sum required by said district. August 5th, 1903, your agents gave their personal note to the Mechanicks National Bank for the sum of two thousand dollars, which was repaid to the bank from moneys received from sale of bonds.

Respectfully submitted,

JOHN C. FARRAND,  
CLARENCE A. DAVIS,  
DAVID T. TWOMEY,

*Agents of District No. 20.*

## SCHOOL REPORT, TOWN DISTRICT.

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The means at our disposal have enabled us to maintain the schools of the district thirty-two weeks during the past year, the only exception being in the Standish neighborhood, where it was not deemed advisable to continue the school through the coldest weather. Here, the spring and fall terms aggregated twenty-seven weeks.

The lengthening of our school year two weeks was a step heartily appreciated. A further increase of two weeks would be in the line of progress, and would doubtless meet the approval of the taxpayers generally.

Stated in general terms, the work of the year has been reasonably successful. We have tried to obtain the best teaching service consistent with the funds provided by the district. We have been especially fortunate in the selection of teachers for those schools where the larger number of scholars and the work to be done justifies the payment of a little more than the average salary.

In those schools where teachers were able to teach vocal music they have performed that work with a reasonable measure of success. In the southern part of the town Mrs. J. E. Gove has been employed as teacher of vocal music for the Iron Works and Millville schools. She is a competent teacher, and has served us in that capacity for several years.

Miss Annie M. Chandler of Penacook was engaged as teacher of vocal music for the Borough and Horse Hill schools. Her efforts were followed by the most satisfactory results.

Among our needs to be provided for the coming year, a change in most of our text-books is a prominent one in importance. With the exception of Morton's geographies, purchased last year, our books have been long in use. A complete change, with the above exception, would doubtless prove a profitable investment.

It will be necessary to maintain a school in the Ashville district the coming season on account of the increased number of scholars in that section.

The work contemplated for the year to come will require a moderate increase in our school revenue. We trust this matter will receive favorable action at our annual meeting.

#### BOROUGH SCHOOL.

This is the largest school in the Town District. The register for the fall term contained thirty-nine names. We were fortunate in securing the services of Mrs. Belle C. Ball as teacher for the year. The school has improved in attendance, scholarship and general deportment. Frequent changes in membership and a necessarily large number of classes are some of the drawbacks here. Much credit is due to the teacher for her successful labor.

S.

#### HORSE HILL SCHOOL.

The spring term was taught by Miss Alice M. Angle; the fall and winter terms by Miss Ruth K. Favor.

Both teachers gained the respect of the parents, and the school was prosperous throughout the year.

S.

#### NUMBER FOUR SCHOOL.

Miss Edith Babcock has been in charge of this school two years. Her faithful work has been highly satisfactory to the patrons of the school. The number of scholars to be conveyed from the No. 5 section being larger than for some years, it was thought advisable to convene the school at that place for the winter term.

S.

#### PLAINS SCHOOL.

This school was taught by Mrs. Maud G. Thompson, the teacher of the previous year. In all ways she has sustained the high-grade work performed in the past.

H.

## TURTLETOWN SCHOOL.

This school was taught by Bessie E. Virgin, teacher for several years past. Two new scholars were added, which made it possible to make a better showing in her work.

H.

## SNAPTOWN SCHOOL.

This school was taught by Miss Isabel E. Adams of Mill Village. Miss Adams came with good recommendations and proved herself worthy of them.

H.

## MOUNTAIN SCHOOL.

Miss Bess Rolfe of Penacook taught the spring term. Miss Grace Lavery of Amesbury, Mass., a graduate of Amesbury high school, taught the fall and winter terms. This was Miss Lavery's first attempt at teaching.

H.

## IRON WORKS SCHOOL.

Mrs. Sprague ended her teaching with the spring term. The same success attended her work as for the past seven or more years and we were sorry to have her leave, as we considered her an extra fine teacher. The fall and winter terms were taught by Miss Marjorie Robinson, who gave excellent satisfaction, and we consider her an exceptionally fine teacher, one who is able to keep up the high standing of the school.

C.

## STANDISH SCHOOL.

This school has been taught all the year, with a high degree of success, considering the obstacles she had to overcome, by Miss Eva Davis, who has done excellent work.

C.

## MILLVILLE SCHOOL.

Miss Eva I. French presided over the spring and fall terms with the same degree of ability and success that has characterized her work for several terms past, and we were

sorry when, on account of sickness in her family, she felt obliged to give up the school. The winter term was taught by Miss Edna Watson, a teacher of much experience, who has kept up the same high standard of work.

c.

## MILLVILLE PRIMARY.

This school has been taught this year, as for several years past, by Miss Ethel Page, whose great success with small children speaks highly for her ability as a teacher in this line of work.

c.

ALBERT SALTMARSH,  
J. F. HOIT,  
IRVING T. CHESLEY,

*School Board.*

## TREASURER'S REPORT.

The treasurer of the Town School District respectfully submits the following report of the receipts and expenditures for the year ending March, 1905.

## RECEIPTS.

Balance in district treasury . . . . .	\$243.25
Balance in city treasury . . . . .	225.53
Regular appropriation . . . . .	2,865.90
Extra appropriation . . . . .	800.00
Literary fund . . . . .	124.85
Dog licenses . . . . .	130.83
Text-books . . . . .	244.91
Tuition from state . . . . .	122.61
Tuition from Union School District . . . . .	52.37
	<hr/>
Total receipts . . . . .	\$4,810.25

## EXPENDITURES.

Teachers' salaries . . . . .	\$2,761.50
Books . . . . .	201.96
Supplies . . . . .	35.89
Fuel . . . . .	233.11
Repairs . . . . .	205.63
Conveying scholars . . . . .	132.75
Music . . . . .	50.12
Tuition . . . . .	374.84
Enumerating children . . . . .	8.00
Water . . . . .	12.00
Incidentals . . . . .	146.52
Printing and stationery . . . . .	7.00
District treasurer . . . . .	25.00
Rent . . . . .	27.00
Cash to balance account . . . . .	588.93
	<hr/>
Total expenditures . . . . .	\$4,810.25

ISAAC N. ABBOTT,  
*Treasurer.*

# WATER DEPARTMENT.

1904.

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## BOARD OF WATER COMMISSIONERS.

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

HENRY C. HOLBROOK . . . . to March 31, 1908.  
HENRY E. CONANT . . . . to March 31, 1908.  
EDSON J. HILL . . . . to March 31, 1907.  
GEORGE D. B. PRESCOTT . . . . to March 31, 1907.  
HARRY H. DUDLEY . . . . to March 31, 1906.  
NATHANIEL E. MARTIN . . . . to March 31, 1906.  
SOLON A. CARTER . . . . to March 31, 1905.  
OBADIAH MORRILL . . . . to March 31, 1905.

SOLON A. CARTER, *President*.

EDSON J. HILL, *Clerk of Board*.

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Superintendent.

V. C. HASTINGS.

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Clerk.

ALICE G. COCHRAN.

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Foreman.

PERCY R. SANDERS.

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Inspector.

HARRY E. STEVENS.

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Engineer.

HENRY A. ROWELL.

## CONCORD WATER BOARD.

Date of election and length of service of members.

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

\* Deceased.

## WATER DEPARTMENT.

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

## PRESIDENTS OF THE BOARD.

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

\*Deceased.

## SUMMARY STATISTICS.

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### CONCORD, NEW HAMPSHIRE, WATER-WORKS.

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

Date of construction, 1872.

Works are owned by the city.

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

Mode of supply, gravity and pumping to reservoir.

## CONSTRUCTION.

Cost of land damages, flowage and water rights :	
Paid B. F. & D. Holden, for water rights	\$60,000.00
Concord Manufacturing Co., for water rights . . . . .	83,000.00
W. P. Cooledge, for mill privilege and land . . . . .	5,500.00
Humphrey & Farnum, for kit-shop privilege . . . . .	5,000.00
flowage rights around Penacook lake . . . . .	4,375.61
W. P. Cooledge, Hutchins house and lot . . . . .	2,250.00
Mary C. Rowell, for land . . . . .	1,500.00
Moses H. Bradley, " . . . . .	5,000.00
Joseph B. Walker, " . . . . .	2,214.00
John G. Hook, " . . . . .	370.00
A. S. Ranney, " . . . . .	1,350.00
Alfred Roberts, " . . . . .	1,275.00
Charles E. Ballard, " . . . . .	2,500.00
Mary G. Carter, " . . . . .	1,250.00
Elizabeth Widmer, " . . . . .	1,564.50
A. L. Proctor, " . . . . .	450.00
Robert Crowley, " . . . . .	3,000.00
Miles Hodgdon, " . . . . .	2,200.00
heirs of Lowell Brown, " . . . . .	1,032.55
Coffin & Little, " . . . . .	800.00
O. F. Richardson, " . . . . .	100.00
M. H. & C. R. Farnum, " . . . . .	4,500.00
Cook & Hood, " . . . . .	1,750.00
Charles H. Farnum, " . . . . .	1,410.36
C. H. Amsden, water and flowage rights . . . . .	5,000.00

## Cost of property and rights of Torrent

Aqueduct Association . . .	\$20,000.00
dam, gate-house and appurtenances	30,756.17
conduit and gate-houses . . .	29,484.05
mains (low service main and pump main from the dam to Penacook street, force main from the pump to the reservoir, fire main through North and South Main streets, and high service main from Penacook street to Stark street, Penacook) . . .	182,241.70
distribution pipe . . .	322,561.68
service-pipe . . .	47,853.18
reservoir . . .	42,460.09
pumping station, shop, stable and storehouse . . .	22,000.00
pumping machinery . . .	17,000.42
engineering and superintendence .	14,913.12
incidentals . . .	6,531.19

Cost of works, January 1, 1905 . . . \$933,193.62

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, 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, 1910,	3,	5,000.00
Jan. 1, 1911,	4,	5,000.00
Jan. 1, 1911,	3,	5,000.00
Oct. 1, 1912,	4,	45,000.00
Jan. 1, 1913,	4,	10,000.00

## WATER DEPARTMENT.

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Jan. 1, 1914,	4,	\$10,000.00
Jan. 1, 1915,	4,	10,000.00
Jan. 1, 1916,	4,	10,000.00
Jan. 1, 1917,	4,	10,000.00
Jan. 1, 1918,	4,	10,000.00
Jan. 1, 1919,	4,	10,000.00
Jan. 1, 1920,	3,	10,000.00
Jan. 1, 1921,	3,	5,000.00
Mar. 1, 1922,	3½,	20,000.00
Jan. 1, 1922,	4,	400,000.00
Jan. 1, 1923,	3½,	15,000.00
Jan. 1, 1924,	3½,	15,000.00
		<hr/>
		\$650,000.00

# REPORT OF WATER COMMISSIONERS.

OFFICE OF THE BOARD OF WATER COMMISSIONERS.

CONCORD, N. H., January 31, 1905.

*To His Honor the Mayor and the City Council:*

The Board of Water Commissioners respectfully submits the following report of the operations of this department for the year 1904:

For the detailed statement, reference is made to the accompanying report of the superintendent which is made a part of the report of the board.

The auxiliary pump has been installed at the pumping station and is entirely satisfactory.

The high service has been extended to Penacook and good progress has been made in substituting cast-iron pipe for the original cement-lined pipe in certain districts. Several leaks in the cement-lined pipe during the year have warned us that this work of replacing it with cast-iron should be prosecuted as rapidly as the revenues of the system will permit.

The board heartily commends the faithful service of its employees in all departments.

Respectfully submitted,

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

*Water Commissioners.*

## REPORT OF THE SUPERINTENDENT.

*To the Board of Water Commissioners:*

I herewith present to you the thirty-third 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, 1904:

### RECEIPTS.

For water, from consumers by fixed rates . . . . .	\$29,248.28
For water, from consumers by meter rates . . . . .	38,522.23
From delinquents . . . . .	56.52
For water used for building purposes . . . . .	194.60
For rents . . . . .	83.34
For hay and apples . . . . .	70.00
For safe sold . . . . .	60.00
For pipe and stock sold, and labor . . . . .	263.15
For old brass and iron sold . . . . .	164.24
	<hr/>
	\$68,662.36
Deduct abatements . . . . .	91.88
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Net receipts for 1904 . . . . .	\$68,570.48

### EXPENDITURES.

#### General Expenses.

Paid pay-rolls, salaries and labor . . . . .	\$11,693.33
Nathaniel White, Jr., rent of office and heating . . . . .	250.00
S. G. Sanborn, rent of shop in Penacook . . . . .	24.00
Ira C. Evans Co., printing . . . . .	165.53

Paid Rumford Printing Co., books . . . . .	\$52.50
Frank P. Mace, office supplies . . . . .	4.50
J. M. Stewart & Sons Co., office furniture . . . . .	18.00
B. S. Rolfe, frame . . . . .	6.75
Concord Light and Power Co., lighting . . . . .	7.27
Concord Electric Co., lighting . . . . .	11.81
N. E. Telephone and Telegraph Co., telephones . . . . .	141.35
Art Metal Construction Co., vault fixtures . . . . .	262.00
W. Carpenter, glass . . . . .	12.30
John C. Thorne, rubber boots . . . . .	30.15
W. A. Thompson, rubber boots . . . . .	3.50
Thompson & Hoague Co., hard- ware . . . . .	62.17
A. H. Britton & Co., hardware . . . . .	52.11
W. L. Jenks & Co., hardware . . . . .	32.23
Joseph T. Walker, hay . . . . .	89.60
Ford & Kimball, coke and cast- ings . . . . .	153.05
H. H. Crowell, slab wood . . . . .	4.00
D. Waldo White, grain and straw . . . . .	162.50
Batchelder & Co., oil, etc. . . . .	30.02
C. H. Martin & Co., naphtha, oil, etc. . . . .	15.50
Dickerman & Co., cement . . . . .	14.45
Woodworth & Co., cement . . . . .	24.20
Morss & Whyte, wire screening . . . . .	20.40
Donaldson Iron Co., cast-iron pipe . . . . .	16,161.22
Builders Iron Foundry, castings . . . . .	45.20
Ludlow Valve Manufacturing Co., gates . . . . .	327.78
Coffin Valve Co., hydrants . . . . .	630.00
R. D. Wood & Co., hydrant sup- plies . . . . .	42.96
Richards & Co., pig lead . . . . .	958.80

## WATER DEPARTMENT.

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Paid Chadwick-Boston Lead Co., pig lead and lead pipe . . . . .	\$522.00
J. H. Cunningham Co., wrought-iron pipe, valves and valve boxes . . . . .	313.84
Hays Manufacturing Co., service boxes . . . . .	112.48
The Sumner-Goodwin Co., brass goods . . . . .	118.91
Harold L. Bond & Co., tools . . . . .	66.97
Walworth Manufacturing Co., tools and brass goods . . . . .	18.13
Frank E. Fitts Manufacturing and Supply Co., tools . . . . .	6.50
Greenwood & Daggett Co., tools . . . . .	3.72
G. S. Milton & Co., fittings . . . . .	5.13
Orr & Rolfe, fittings . . . . .	2.00
Thomson Meter Co., meters . . . . .	473.44
Hersey Manufacturing Co., meters . . . . .	296.19
Henry R. Worthington, meters . . . . .	154.00
C. W. Dadmun, electrical work . . . . .	43.50
F. W. Landon & Co., electrical work . . . . .	6.70
E. B. Hanchay, smith-work . . . . .	155.62
J. M. Crossman, smith-work . . . . .	20.94
George D. Huntley, repairs . . . . .	35.50
J. D. Johnson & Son, repairs . . . . .	6.50
George L. Theobald, team-work . . . . .	335.05
H. M. Richardson, team-work . . . . .	40.90
D. Weathers, use of derrick . . . . .	8.50
Hutchinson Building Co., lumber and labor . . . . .	116.41
George Abbott, Jr., painting . . . . .	8.74
Benjamin Bilsborough, painting . . . . .	3.39
Lee Brothers, plumbing . . . . .	2.89
J. H. Rowell & Co., repairing concrete . . . . .	171.00

Paid City Highway Department, repair-	
ing streets . . . . .	\$61.29
Harry O. Sargent . . . . .	44.05
Margaret A. Spencer, clerical	
work . . . . .	11.00
Engineering News . . . . .	5.00
Morrill & Danforth, insurance .	246.24
Eastman & Merrill, " . . . . .	49.40
Jackman & Lang, " . . . . .	25.00
Chase & Martin, " . . . . .	25.00
Boston Bank Note Co., bond plate	55.00
Boston & Maine Railroad, freight	
and car service . . . . .	142.98
town of Webster, taxes . . . . .	52.00
A. G. Cochran, cash paid out . .	79.54
V. C. Hastings, cash paid out . .	15.94
incidentals . . . . .	43.60
	————— \$35,414.17

**Pumping Station Expenses.**

Paid pay-rolls, engineer and fireman .	\$1,585.00
labor on fuel . . . . .	47.25
Curran & Burton, coal . . . . .	794.10
William A. Jepson, " . . . . .	42.56
Marsh Coal Co., " . . . . .	23.38
H. H. Crowell, slab wood . . . . .	20.50
Vacuum Oil Co., oil . . . . .	34.42
A. W. Chesterton & Co., packing	22.93
Boston & Maine Railroad, freight	
on coal . . . . .	346.49
Bailey & Merryman, barrow . . . .	8.00
J. M. Stewart & Sons Co., sup-	
plies . . . . .	37.02
Thompson & Hoague Co., supplies	4.90
W. L. Jenks & Co., " . . . . .	3.65
Walworth Mfg. Co., " . . . . .	2.98

Paid Henry R. Worthington, repairs on old pump . . . . .	\$75.79	
Locke Regulator Co., repairs . . . . .	2.70	
Boston & Maine Railroad, repair- ing siding . . . . .	10.19	
Rowell & Plummer, work on boilers . . . . .	21.95	
Concord Light and Power Co., gas N. E. Telephone and Telegraph Co., telephone . . . . .	11.10	
E. B. Hanchay, smith-work . . . . .	2.83	
		\$3,142.74

New Pump.

Paid Henry R. Worthington, pumping engine . . . . .	\$6,400.00	
Samuel Holt, brick . . . . .	102.00	
Dickerman & Co., cement . . . . .	47.00	
Woodworth & Co., cement . . . . .	14.00	
George H. Davis, granite . . . . .	76.83	
Rowell & Plummer, mason-work . . . . .	83.57	
Hutchinson Building Co., lumber and labor . . . . .	24.45	
expense to New York . . . . .	29.82	
pay-rolls, labor . . . . .	60.00	
		\$6,837.67
Total expenditures for 1904 . . . . .		\$45,394.58

The expenditures are divided as follows :

General Expenses.

For care and maintenance . . . . .	\$1,950.90
office expenses . . . . .	1,350.93
repairs on cement-lined pipe . . . . .	496.64
repairs at gate-house . . . . .	63.91
work at Penacook lake . . . . .	376.49
inspection . . . . .	660.00

For new service-pipes . . . . .	\$1,188.67
new distribution-pipes . . . . .	6,147.07
meter account . . . . .	1,143.89
high service Penacook main . . . . .	21,287.92
incidentals . . . . .	747.75
	\$35,414.17

**Pumping Station Expenses.**

For salaries, engineer and fireman . . . . .	\$1,585.00
fuel . . . . .	1,274.28
oil, packing and waste . . . . .	59.26
repairs . . . . .	113.46
supplies . . . . .	54.64
lighting and telephone . . . . .	56.10
	\$3,142.74
 New pump account . . . . .	 \$6,837.67

**EXTENSIONS AND IMPROVEMENTS.**

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

*High service main for Penacook,*

in Rumford and North State streets, from Penacook street to Clarke street in West Concord, 10,584 feet 14-inch pipe. On hydrant branches, 174 feet 6-inch pipe; on blow-off, 2 feet 4-inch pipe.

*In School street,*

west from North State to Hanover street, 1,042 feet 10-inch pipe in place of 8-inch cement-lined pipe discontinued.

*In Centre street,*

west from North State to North Spring street, 837 feet 8-inch pipe in place of 6-inch cement-lined pipe discontinued.

*In South street,*

south from Wheeler's Corner to Bow line, 2,554 feet 6-inch pipe.

*In North Spring street,*

south from Centre to Pleasant street, 1,711 feet 6-inch pipe in place of 6-inch cement-lined pipe discontinued.

*In Green street,*

south from Centre to Pleasant street, 1,628 feet 6-inch pipe in place of 4-inch cement-lined pipe discontinued.

*In Carter street,*

west from Broadway to Eastman street, 638 feet 6-inch pipe.

*In Warren street,*

west from North Main to North State street, 413 feet 6-inch pipe in place of 6-inch cement-lined pipe discontinued.

*In West Main street, Penacook,*

extended south, 394 feet 6-inch pipe.

*In Pine street, Penacook,*

west from West Main street, 364 feet 6-inch pipe.

*On connections,*

37 feet 6-inch and 16 feet 4-inch pipe; 37 feet 4-inch cement-lined pipe discontinued.

*On hydrant branches,*

52 feet 6-inch pipe; 16 feet 4-inch cement-lined pipe discontinued.

Also 477 feet 1-inch pipe.

Ten new hydrants have been set as follows :

On Rumford street, opposite Curtice avenue.

On North State street, near north entrance to Blossom Hill cemetery.

- On North State street, near Thomas Fox's house.
- On north corner of North State and Palm streets.
- On North State street, at Cyrus R. Farnum's.
- On North State street, opposite John H. Flood's.
- On south corner of North State and K streets.
- On North State street, at George Partridge's.
- On South street, at H. B. Quint's.
- On South street, near Bow line.

There have been set 31 gates; discontinued, 8.

#### Summary of the Foregoing.

##### NEW PIPES, HYDRANTS AND STOP-GATES.

<i>Pipes.</i>	<i>Hydrants.</i>	<i>Stop-Gates.</i>
1-in., 477 feet.	No. State street, 7	4-in., 2
4-in., 18 "	Rumford street, 1	6-in., 24
6-in., 7,965 "	South street, 2	8-in., 1
8-in., 837 "		10-in., 1
10-in., 1,042 "		14-in., 2
14-in., 10,584 "		18-in., 1
<u>20,923 feet.</u>	<u>10</u>	<u>31</u>
equal to 3.96 miles.		

##### PIPES, HYDRANTS AND STOP-GATES DISCONTINUED.

<i>Pipes.</i>	<i>Hydrants.</i>	<i>Stop-Gates.</i>
4-in., 1,632 feet.	None.	4-in., 4
6-in., 2,958 "		6-in., 4
8-in., 1,042 "		<u>8</u>
<u>5,632 feet.</u>		
equal to 1.07 miles.		

Total length of main and distribution pipes now in use, 343,868 feet, equal to 65.12 miles.

Total number of hydrants now in use, 292.

Total number of gates now in use, 840.

## SERVICE-PIPES.

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

52 $\frac{3}{4}$ -inch,	1,232 feet.
2 2-inch,	
3 4-inch,	71 feet.
<hr/>	<hr/>
57	1,303 feet.

There have been discontinued, 7; whole number in use at the present time, 3,458; total length of service-pipes, 80,159 feet, or 15.18 miles. We have placed 124 service-boxes at the curb on old services.

We have set 70 meters during the year; 5 have been removed, making the total number now in use, 1,337.

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

January . . . 184.20	July . . . 184.90
February . . . 183.70	August . . . 184.50
March . . . 183.25	September . . . 183.90
April . . . 184.90	October . . . 183.40
May . . . 185.30	November . . . 183.00
June . . . 185.15	December . . . 182.70

The lowest point reached during the year was on December 28, being 182.40; the highest was on May 21, 185.35; mean height, 184.40, which was .35 foot lower than the mean height for the year 1903.

The work of cleaning the shores of the lake has been continued and as the water lowered during the fall, it could be done more thoroughly than for several years and was carried on until the winter season.

The year has been a busy and eventful one for the department, bringing the change of the system in Penacook from low to high service with the laying of a new main, the installation of a new pumping engine and moving the office to the new city building.

The new main for Penacook was completed and connected with the original main at Lake street, West Concord, and water let in

on the third day of August. This now gives high service in Penacook for all purposes, and by placing eight hydrants along the line, it also provides high service for fire protection through North State street and West Concord.

The new Worthington pump was installed and began regular service on June 3; the old pump has been thoroughly repaired and is in operation, alternating with pump No. 2.

On September 1, we moved the office to the new city building, having been located in White's block for thirty-one years and seven months. Our new quarters are pleasant and commodious, and the vault with steel shelves and cases is a great convenience in caring for records and books.

There still remain about six miles of the original cement-lined pipe which should be relaid with cast-iron; the work proposed for next year will cover about one and three-fourths miles and doubtless the whole section could be relaid in three years out of the income of the works.

Respectfully submitted,

V. C. HASTINGS,  
*Superintendent.*

# REPORT OF THE ENGINEER AT THE PUMPING STATION.

## PUMPING STATION, CONCORD WATER-WORKS.

V. C. HASTINGS, *Superintendent* :

SIR,—I would report that the pumping machinery at the pumping station is now in a first-class condition. The auxiliary steam pump has been set up and was started at regular work, June 3. It is a triple expansion engine, with attached air-pump and surface condenser, has steam cylinders, 9 inches, 14 inches and 22 inches, and plunger 12 1-2 inches in diameter, with a stroke of 18 inches. It is doing good work, and giving good satisfaction.

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

### Statement.

179 tons 146 lbs. Pocahontas coal.  
76 gallons of oil.  
42 lbs. of waste.  
19 cords of slab wood.

### ENGINE RECORD.

MONTHS.	No. of days pumping engine No. 1.		No. of days pumping engine No. 2.		Total days pumping.		Average pumping time.	Total water pumped.	Daily average pumped.	Total coal consumed.	Daily average coal consumed.	Total lbs. wood consumed.	* Gallons pumped per pound of coal.
	No. of days.	H. M.	No. of days.	H. M.	Total days.	Average time.							
January.....	25	7:30	25	8:10	50	7:50	15,951,540	514,565	33,167	1,069	4,530	480	
February.....	25	8:10	25	8:35	50	8:22	17,057,766	588,198	36,028	1,242	5,615	473	
March.....	20	8:35	20	7:40	40	8:07	14,594,448	470,788	31,658	1,021	5,406	461	
April.....	16	7:40	16	8:30	32	8:05	12,223,534	407,447	25,203	840	4,526	484	
May.....	15	8:30	9	9:10	24	8:50	13,017,135	419,907	28,349	914	4,082	459	
June.....	9	9:10	15	8:10	24	8:50	15,324,426	510,814	30,921	1,030	3,199	495	
July.....	25	8:10	25	9:30	50	8:50	17,816,110	574,713	33,867	1,092	436	526	
August.....	5	9:30	15	8:10	20	8:50	21,845,991	704,709	39,821	1,284	264	548	
September.....	15	8:10	13	8:20	28	8:15	20,030,786	667,692	38,764	1,292	648	516	
October.....	16	8:20	14	8:40	30	8:30	17,308,536	551,339	33,314	1,074	1,024	519	
November.....	14	8:40	15	8:20	29	8:30	16,464,572	548,819	31,916	1,063	2,117	515	
December.....	15	8:20	14	8:20	29	8:20	19,809,151	639,004	38,138	1,230	900	519	
Total.....	175	.....	133	.....	308	.....	201,443,995	550,393	401,146	1,096	32,747	499	
Daily average.....	.....	.....	.....	.....	.....	8:20	550,393	.....	1,096	.....	.....	.....	

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

Amount of coal consumed per thousand gallons pumped, 1.99 pounds.

HENRY A. ROWELL,  
*Engineer.*



## APPENDIX.

## A

## Receipts for Each Year Since the Completion of the Works.

For the year ending January 31, 1874	.	.	\$4,431.10
For fifteen months ending April 1, 1875	.	.	17,535.00
For the year ending April 1, 1876	.	.	16,921.24
“ “ “ 1877	.	.	19,001.07
“ “ “ 1878	.	.	20,763.03
“ “ “ 1879	.	.	21,869.86
“ “ “ 1880	.	.	22,451.53
“ “ “ 1881	.	.	26,744.58
For nine months ending December 31, 1881	.	.	25,534.01
For the year ending December 31, 1882	.	.	27,243.06
“ “ “ 1883	.	.	28,255.48
“ “ “ 1884	.	.	28,915.65
“ “ “ 1885	.	.	30,222.54
“ “ “ 1886	.	.	30,862.64
“ “ “ 1887	.	.	34,047.52
“ “ “ 1888	.	.	38,441.32
“ “ “ 1889	.	.	40,237.53
“ “ “ 1890	.	.	42,133.41
“ “ “ 1891	.	.	46,075.16
“ “ “ 1892	.	.	48,351.52
“ “ “ 1893	.	.	52,299.66
“ “ “ 1894	.	.	53,230.10
“ “ “ 1895	.	.	55,343.19
“ “ “ 1896	.	.	56,557.81
“ “ “ 1897	.	.	55,156.42
“ “ “ 1898	.	.	59,147.54
“ “ “ 1899	.	.	53,953.13
“ “ “ 1900	.	.	57,003.71
“ “ “ 1901	.	.	62,253.61
“ “ “ 1902	.	.	63,430.85
“ “ “ 1903	.	.	65,088.45
“ “ “ 1904	.	.	68,570.48
Total receipts for 32 years	.	.	<u>\$1,272,072.20</u>

## B

## Mean Height of Water Each Year.

1873 . . .	175.86	1889 . . .	180.91
1874 . . .	179.50	1890 . . .	181.90
1875 . . .	180.00	1891 . . .	180.00
1876 . . .	180.28	1892 . . .	174.32
1877 . . .	176.46	1893 . . .	173.38
1878 . . .	179.50	1894 . . .	172.81
1879 . . .	179.74	1895 . . .	171.15
1880 . . .	175.30	1896 . . .	178.96
1881 . . .	174.70	1897 . . .	183.33
1882 . . .	179.15	1898 . . .	184.31
1883 . . .	176.40	1899 . . .	183.49
1884 . . .	178.18	1900 . . .	183.09
1885 . . .	176.80	1901 . . .	183.86
1886 . . .	178.10	1902 . . .	184.98
1887 . . .	179.04	1903 . . .	184.75
1888 . . .	181.96	1904 . . .	184.40

