

	Ward.	Polls.	Valuation.	Tax.
1863.	1	244	310,426	4,836.09
"	2	210	277,282	4,143.32
"	3	132	186,636	3,195.54
"	4	498	951,226	15,273.12
"	5	567	925,074	14,548.82
"	6	540	747,178	12,492.11
"	7	263	324,184	5,162.61
Non-Resident,			53,200	642.21
Total,	2,454		\$3,775,206	\$60,293.82
1864.	1	251	313,431	6,694.35
"	2	212	305,770	6,220.14
"	3	131	187,192	4,505.30
"	4	524	940,192	21,984.20
"	5	577	938,995	22,985.61
"	6	569	753,654	18,966.48
"	7	274	335,756	7,552.75
Non-Resident,			57,810	1,023.14
Total,	2,539		\$3,832,800	\$89,931.97
1865.	1	251	357,576	11,543.37
"	2	202	320,962	10,252.54
"	3	125	220,246	7,679.63
"	4	510	1,126,826	40,621.07
"	5	564	1,166,176	41,591.46
"	6	584	944,926	33,067.39
"	7	259	352,260	12,265.97
Non-Resident,			60,030	1,765.86
Total,	2,495		\$4,549,002	\$158,787.29
1866.	1	306	377,426	7,699.02
"	2	206	300,650	6,117.92
"	3	147	242,348	5,550.74
"	4	607	1,254,774	32,511.42
"	5	540	1,250,656	29,812.30
"	6	646	981,760	25,099.30
"	7	310	267,438	8,174.87
Non-Resident,			59,030	1,227.40
Total,	2,762		\$4,934,082	\$116,192.97
1867.	1	316	\$411,591	\$10,244.56
"	2	221	318,000	7,801.49
"	3	166	250,952	6,714.10
"	4	652	1,211,601	36,716.14
"	5	542	1,303,748	38,280.41
"	6	593	1,044,861	32,620.02
"	7	332	404,317	11,248.74
Non-Resident,			61,704	1,548.03
Total,	2,822		\$5,006,774	\$145,173.49

	Ward.	Polls.	Valuation.	Tax.
1868.	1	327	436,178	8,743,30
"	2	217	319,882	6,104,40
"	3	186	264,396	5,932,56
"	4	743	1,439,246	34,088,36
"	5	643	1,377,626	33,754,96
"	6	636	1,112,944	27,343,54
"	7	368	339,310	7,537,15
Non-Resident,			88,783	3,388,44
Total,		3,120	\$5,378,365	\$126,889,71

Number of Highway Districts in the city	32
School Districts	25
School Houses	38
Schools	60
Religious Societies	15
Churches	13
Hotels	6
Public Halls	7

REPORT

OF THE

SUPERINTENDENT OF REPAIRS OF HIGHWAYS AND BRIDGES.

To the City Council of the City of Concord:

The undersigned, Superintendent of Repairs of Highways and Bridges, respectfully presents the following statement of his Receipts and Expenditures from February 1, 1868 to February 1, 1869; Districts Nos. 9, 27 and 28, being one District, under the immediate supervision of the Superintendent.

L. D. STEVENS, *Superintendent.*

DISTRICTS Nos. 9, 27 and 28.

L. D. Stevens, Superintendent of Repairs of Highways and Bridges,	Dr.
To appropriation of 1868,.....	\$6185.00
To Cash received of Dr. E. G. Moore for Concrete.....	10.00
" " for Road Scrapings.....	22.48
	<hr/>
	\$6217.48

<i>Cr.</i> By cash paid:		Pay roll, No. 12, of Jonathan B. Weeks,	65.00
John Abbott, balance of appropriation for 1867,	\$128.16	Pay roll, No. 13, of Wm. S. Curtice,	57.44
Pay roll, No. 2, of Jer. Brown,	186.25	Pay roll, No. 14, of J. Brown,	270.00
Pay roll, No. 3, of William S. Curtice,	52.00	Pay roll, No. 16, of Jonathan B. Weeks,	415.28
Pay roll, No. 4, of Jonathan B. Weeks,	128.24	Pay roll, No. 17, of J. Brown,	262.25
Frank Smart, teamster,	50.00	Warde, Humphrey & Co., hardware,	35.49
Pay roll, No. 5, of Jonathan B. Weeks,	264.70	Park. Brown, 235 fence posts,	39.17
Pay roll, No. 7, of J. Brown,	267.75	Pay roll, No. 20, of Jona. B. Weeks,	444.96
Pay roll, No. 8, of William S. Curtice,	190.00	Pay roll, No. 21, of William S. Curtice,	94.00
Pay roll, No. 9, of Jonathan B. Weeks,	250.99	Pay roll, No. 22, of J. Brown,	278.62
Pay roll, No. 10, of J. Brown,	225.00	Pay roll, No. 24, of Jona. B. Weeks,	354.48

Pay roll, No. 25, of William S. Curtice,	59.00	E. T. Staniels, concrete,	18.81
Pay roll, No. 26, of J. Brown	295.99	J. Wheeler,	2.21
Pay roll, No. 28, of J. Brown	229.50	H. T. Chickering,	8.70
Pay roll, No. 29, of William S. Curtice,	18.75	Newell Greenwood,	12.10
Pay roll, No. 30, of Jona. B. Weeks,	284.62	Wm. Gilman,	7.92
Pay roll, No. 31, of J. Brown,	84.37	John Gear,	35.78
A. B. Holt, for gravel and services,	164.55	C. M. Murdock,	16.02
Pay roll, No. 34, of Jona. B. Weeks,	54.77	Charles C. Flanders,	12.52
Pay roll, No. 35, of J. Brown	78.00	J. H. Gallinger,	16.37
Benj Farnum, work on highway,	36.75	Calvin Thorn,	5.69
Bradbury Gill, for stock and blacksmithing,	46.41	Eliza Blodgett,	12.11
A. C. Holt & Co., for lumber,	55.56	Jamcs A. Miller,	12.54
Pay roll, No. 39, of Jona. B. Weeks,	40.75	J. A. West,	16.60
Paid Thomas S. Blanchard, concrete walk,	5.82	D. D. Brainard,	9.82
Advent Soc'y, concrete walk,	9.28	Joseph Palmer,	12.68
Albe J. Hall,	8.87	Club Stable,	15.43
N. Cong. Soc'y,	52.09	Sarah Herbert,	13.41
L. D. Stevens,	13.04	Thomas Pillsbury	16.50
Peter Dudley,	21.77	J. B. Smart,	21.95
Gust. Walker,	6.42	I. T. Sawyer,	6.60
Moses T. Willard,	10.12	Franklin Low,	60.67
N. G. Carr,	7.96	O. P. Godfrey,	6.61
Geo. K. Mellen,	11.71	B. E. Badger,	8.27
James Dolan,	11.62	North Cong. Society,	13.85
R. M. Morgan,	10.43	Wm. Badger,	6.67
I. N. Farley,	11.52	Sam. M. Griffin,	17.14
David J. Abbott,	8.71	Ezra Carter,	9.82
		Frank D. Woodbury,	16.08
		Isaac Clement, work on highway,	5.62
		J. Hoyt, concrete walk,	44.36
		Harvey McIntire, concrete walk	25.62
		Nathaniel White,	6.58
		A. H. Saltmarsh,	32.17
		Laura K. Hopkins,	21.50
		Frank W. Thompson,	8.08
		City Treasurer,	10.00

The amount of Concrete Sidewalk laid during the past year has exceeded that of any previous one, and the contribution by the City for the same has absorbed a larger portion of the appropriation than was anticipated. While the practice prevails of making contribution for the laying of concrete walk, without fixing the sum to be so used, the Superintendent cannot determine before the close of the year, whether his expenditures will exceed or fall within the limits of the appropriation.

DISTRICT No. 1.		Henry Dubia,		4.05
		Barnard Currier,	1.80	
Simeon Farnum, Surveyor,	Dr.	S. R. Choat,	2.55	
To balance of appropriation				
of 1867 unexpended,	\$4.52			\$69.52
To appropriation of 1868,	65.00			
	<u>\$69.52</u>			
		DISTRICT No. 2.		
Cr. By the work of—		Enoch Jackman, Surveyor,	Dr.	
James Locke,	\$7.50	To balance of appropriation		
Aaron Farnum,	20.00	of 1867 unexpended,	\$19.20	
Samuel Hutchins,	7.12	To appropriation of 1868,	65.00	
Simeon Farnum,	26.50			<u>\$84.20</u>

Cr. By the work of--

Enoch Jackman,	39.10
Bal. unexpended Feb. 1, 1869,	45.10
	<u>84.20</u>

DISTRICT No. 3.

Charles Graham, Surveyor,	Dr.
To balance of appropriation of 1867,	\$3.13
To appropriation of 1868,	110.00
	<u>113.13</u>

Cr. By the work of--

Charles C. Graham,	\$11.90
George Graham,	11.25
Moses C. Sanborn,	2.00
S. C. Bartlett,	3.75
David Sargent,	4.50
Andrew Moody,	5.40
G. A. Sargent,	1.50
Mark Sargent,	4.50
Frank Sargent,	6.00
J. M. Varney,	3.00
John Boulet,	1.50
Charles Graham,	18.00
	<u>73.30</u>

Balance unexpended, Feb. 1, 1869,

39.83

113.13

DISTRICT No. 4.

Henry H. Potter, Surveyor,	Dr.
To appropriation of 1868,	\$85.00

Cr. By the work of--

George H. Sanborn,	\$2.00
A. B. Sanborn,	1.73
I. F. Potter,	4.50
Thomas D. Potter,	.75
Thomas Potter,	3.00
Reuben Kimball,	1.50
Henry H. Potter,	12.00
	<u>25.48</u>

Balance unexpended,

59.52

85.00

DISTRICT No. 5.

Jedediah T. Hoyt, Surveyor,	Dr.
To balance of appropriation of 1867 unexpended,	\$26.75
To appropriation of 1868,	80.00
	<u>106.75</u>

Cr. By the work of--

D. A. Morrill,	\$12.30
John L. Tallant,	1.80
J. T. Hoyt,	16.88
	<u>30.98</u>

Balance refunded,

75.77

106.75

DISTRICT No. 6.

Joseph S. Kimball, Surveyor,	Dr.
To balance of appropriation of 1867 unexpended,	\$72.10
To appropriation of 1868,	300.00
	<u>372.10</u>

Cr. By the work of--

Robert A. Brown,	\$3.00
Tallant & Stevens,	57.00
Joseph S. Kimball,	222.00
John Jarvis,	18.00
Wm. B. Fletcher, balance of 1867,	72.10
	<u>372.10</u>

DISTRICT No. 7.

Samuel M. Locke, Surveyor,	Dr.
To appropriation of 1868,	\$55.00

Cr. By the work of--

Josiah S. Locke,	4.50
Benjamin L. Larkin,	9.75
Samuel M. Locke,	14.75
	<u>29.00</u>

Balance unexpended,

26.00

55.00

DISTRICT No. 8.		DISTRICT No. 12.	
De Witt C. Strow, Surveyor, To appropriation of 1868, " additional appropriation,	Dr. \$75.00 1.56 <hr/> \$76.56	Moses H. Bean, Surveyor, To balance of appropriation of 1867, To appropriation of 1868,	Dr. \$8.15 450.00 <hr/> \$458.15
Cr. By the work of—		Cr. By the work of—	
Wm. C. Greenough, Orville F. Forbes, De Witt C. Strow, John Richardson, for plank,	\$2.75 6.00 61.09 6.72 <hr/> \$76.56	Charles Buswell, Peter McArdle, J. McLaughlin, George R. Bean, John Kenney, W. A. Bean, Peter Cotter, George Wheeler, Robert Moore, Jesse Morse, H. Rose, Joseph Morse, Jesse Morgan, M. McLaughlin, — Stearns, George Tucker, Lewis Fortune, M. H. Bean, Bean Brothers, Ford & Kimball, N. Chandler, J. S. Davis, iron work, Stone from West Concord, M. H. Bean, H. H. & J. S. Brown, T. O. Wilson, M. H. Bean, account of 1867,	\$8.50 31.25 25.60 23.25 10.40 9.20 7.20 1.50 4.00 8.00 2.00 9.25 3.75 11.60 4.16 4.40 56.00 50.11 107.25 10.00 24.85 3.00 3.00 25.90 3.83 2.00 8.15 <hr/> \$458.15
DISTRICT No. 10.		DISTRICT No. 13.	
Harrison Partridge, Surveyor, To appropriation of 1868,	Dr. \$230.00	John D. Fife, Surveyor, To appropriation of 1867, " 1868,	Dr. \$65.00 60.00 <hr/> \$125.00
Cr. By the work of—		Cr. By the work of—	
M. H. Farnum, Benjamin Farnum, Jonathan Ferrin, Harrison Partridge,	11.25 45.38 6.00 156.12 <hr/> \$218.75 11.25 <hr/> \$230.00	Frank L. Thompson, S. H. Currier, Jesse Fowler, M. Wheeler, Peter F. Elliott, J. Currier,	\$3.00 5.25 15.00 3.00 13.50 12.00
Balance unexpended,	\$230.00		
DISTRICT No. 11.			
Jona. M. Stewart, Surveyor, To balance of appropriation of 1867 unexpended, To appropriation of 1868,	Dr. \$23.75 40.00 <hr/> \$63.75		
Cr. By the work of—			
A. C. Abbott, Jona. M. Stewart,	\$23.75 24.42 <hr/> \$48.17 \$15.58 <hr/> \$63.75		
Balance unexpended,	\$63.75		

Team,	15.00
J. B. Knowlton,	10.00
G. F. Sanborn,	12.50
John S. Fisk,	1.50
L. B. Elliott,	.50
Use of plow and scraper,	1.50
Snowing bridge,	1.00
Wm. Eastman,	15.00
John D. Fife,	5.00
	<hr/>
\$113.75	
Balance unexpended,	11.25
	<hr/>
\$125.00	

DISTRICT No. 14.

Thomas Eastman, Surveyor, Dr.
To appropriation of 1868, \$60.00

Cr. By the work of—

T. O. Wilson,	.90
M. H. Bean,	.50
Samuel Dow,	\$1.50
— Colby,	6.00
E. Hardy,	4.75
Amos Hart,	5.25
John Morrill,	3.75
Thomas Eastman,	19.57
	<hr/>
\$42.16	
Balance unexpended,	17.84
	<hr/>
\$60.00	

DISTRICT No. 15.

C. Runnels, Surveyor, Dr.
To balance of appropriation
of 1867 unexpended, \$5.95
To appropriation of 1868, 100.00

\$105.95

Cr. By the work of—

Ephraim F. Sweat,	\$4.50
A. P. Bennett,	1.50
Moses E. Long,	1.50
Cyrus Runnels,	15.20
	<hr/>
\$22.70	
Balance unexpended,	83.25
	<hr/>
\$105.95	

DISTRICT No. 16.

Robert B. Hoyt, Surveyor, Dr.
To appropriation of 1868, \$65.00

Cr. By the work of—

Albert G. Dow,	\$11.60
Levitt W. Powell,	1.50
Amos Sawyer,	2.00
J. F. Runnels,	12.60
Robert B. Hoyt,	5.50
	<hr/>
\$33.20	

Balance unexpended, 31.80

\$65.00

DISTRICT No. 17.

Gilman H. Dimond, Surveyor, Dr.
To appropriation of 1868, \$60.00

Cr. By the work of—

R. S. Davis,	\$3.50
David Carter,	5.37
Charles H. Carrier,	1.75
Israel Shepard,	8.75
Augustine C. Carter,	7.62
William Powell,	4.37
C. K. Fisk,	3.50
Gilman H. Dimond,	11.55
	<hr/>
\$46.41	

Balance unexpended, 13.59

\$60.00

DISTRICT No. 18.

Andrew S. Farnum, Surveyor, Dr.
To balance of appropriation
of 1867 unexpended, 15.75
To appropriation of 1868, 90.00

\$105.75

Cr. By the work of—

A. S. Farnum,	11.00
Truman Carter,	1.75
Isaac F. Ferrin,	17.50
Ira Rowell,	18.82
Charles Carter,	5.25
Andrew S. Farnum,	10.38

Henry Farnum,	10.38
	<u>\$75.08</u>
Balance unexpended,	30.67
	<u>\$105.75</u>

DISTRICT No. 19.

Reuben K. Abbott, Surveyor, Dr.	
To balance of appropriation of 1867,	\$15.75
To appropriation of 1868,	70.00
	<u>\$85.75</u>

Cr. By the work of—

Henry Martin,	\$7.00
Woodbury Flanders,	.75
Peter Fagan,	3.50
Charles Carter,	7.00
William T. Tenney,	3.50
Albert Saltmarsh,	7.87
George Dow,	6.12
Isaac K. Abbott,	2.00
Alvin C. Powell,	3.50
John J. Thompson,	1.75
Reuben K. Abbott,	27.01
Daniel C. Tenney,	15.75
	<u>\$85.75</u>

DISTRICT No. 20.

Frank. J. Emerson, Surveyor, Dr.	
To balance of appropriation of 1867,	\$11.75
To appropriation of 1868,	55.00
	<u>\$66.75</u>

Cr. By the work of—

Albert Saltmarsh,	\$1.50
J. N. Flanders,	3.00
C. C. Blanchard,	2.25
Wm. Fagan,	9.00
J. E. Saltmarsh,	11.15
Wm. B. Thompson,	11.75
Franklin J. Emerson,	16.35
	<u>55.00</u>
Balance unexpended,	11.75
	<u>\$66.75</u>

DISTRICT No. 21.

John Ballard, Surveyor, Dr.	
To balance of appropriation of 1867, unexpended,	\$2.45
To appropriation of 1868,	85.00
	<u>\$87.45</u>

Cr. By the work of—

Charles E. Ballard,	6.00
Ezra Ballard,	10.00
John Ballard,	39.40
	<u>\$55.40</u>
Balance unexpended,	32.05
	<u>\$87.45</u>

DISTRICT No. 22.

L. T. Flint, Surveyor, Cr.	
To appropriation of 1868,	\$85.00

Cr. By the work of—

George Frye,	\$4.64
Charles Hall,	19.00
L. T. Flint,	17.00
	<u>\$40.64</u>
Cash returned,	44.36
	<u>\$85.00</u>

DISTRICT No. 23.

Isaac N. Abbott, Surveyor, Dr.	
To appropriation of 1868,	\$125.00

Cr. By the work of—

Isaac N. Abbott,	\$37.50
Samuel L. Baker,	3.90
John Corliss,	2.25
F. R. Currier,	7.00
Wm. H. Proctor,	5.25
Jeremiah S. Abbott,	5.25
S. Gage,	3.00
John E. Baker,	9.00
John E. Proctor,	6.75
N. Lovejoy,	2.25
William Bodwell,	2.25
	<u>\$84.40</u>

George E. Lougee,	\$20.96	Cr. By the work of—	
Balance unexpended,	9.04		
	<hr/>	John T. Gilman,	\$6.00
	\$30.00	Reuben Goodwin,	3.00
		T. O. Wilson,	5.00
		Z. Smith,	12.00
DISTRICT No. 32.		J. Boyce,	9.00
		Daniel Smith,	6.00
Benj. F. Varney, Surveyor, Dr.		B. F. Varney,	5.00
To appropriation of 1868,	\$45.00		
“ “ transfer-			
red from Dist. No. 1,	2.00	Balance refunded,	\$46.00
	<hr/>		1.00
	\$47.00		<hr/>
			\$47.00

REPORT OF CHIEF ENGINEER.

To His Honor the Mayor and Board of Aldermen :

In conformity with the requirements of Sec. 3 of "An ordinance relative to the Fire Department," the undersigned respectfully submits his annual report.

During the year the following fires and alarms have occurred :—

June 4th, 1868. Barn in rear of the Concord Railroad Passenger Station, owned by the Road and occupied by B. Biddle. Supposed incendiary. Total loss, \$800 ; no insurance.

July 14th. Four-story brick building fronting on Depot square, owned by Warde, Humphrey & Co., and Charles Austin. Supposed to have originated from sparks from a forge, or from friction of machinery. Occupied by J. Palmer & Co., spring makers ; J. S. Webster & Son, machinists ; Secomb & Pillsbury, Charles Austin and Charles E. Austin, instrument makers. Partial loss, \$3500 ; insured \$700.

Oct. 14th. Engine-house of Steam Fire Department on Warren street. Probably accidental. Partial loss to building, \$170 ; insured.

Oct. 26th. Barns and sheds of Cyrus N. Corning, on "Glover place," east of the Merrimack river, at the southerly section of the city. Cause unknown. Total loss, \$5000 ; insurance \$3700.

Nov. 26th. "Hill's Block," owned by J. M. & I. A. Hill, on Main street. Fire confined to rear roof and upper story. Supposed to have originated from sponta-

neous combustion. Partial loss, covered by insurance, \$4250.

Dec. 7th. A small and very old one-story house on West street, near the "Camp Grounds," owned by heirs of John Scales, and unoccupied. Undoubtedly incendiary. Total loss, nominally estimated at \$100; uninsured.

Dec. 12th. The middle tenement of "Call's Block," in rear of the State House. Fire originated by the burning out of a defective chimney, and was extinguished without material damage. Loss nominal.

Dec. 26th. "Union Block," owned by Joseph S. Lund and Ignatius Fellows. Occupied by Smith and Newhall, restaurant; Wm. Marshall, furnishing goods; Vogler & Stanley, furniture; John H. Hill, tailor, in stores: second and third stories by B. Carr, photographer; Vogler & Stanley, and J. Annable, upholsterers. Supposed to have taken fire from defective funnel. Partial loss, \$6400; insured.

Dec. 27th. Alarm from resuscitation of fire among debris in same block. No additional damage.

Jan. 13th, 1869. Tenement house on Centre street, owned by Cyrus Hill, and occupied by several families. Cause, defective chimney burning out. Damage slight; loss nominal.

These losses sum up \$20,220, partially covered by an insurance of \$15,220; an exhibit, compared with the losses of the previous year, of a most gratifying character. Three of these fires occurred in the night, in large and valuable blocks, and it is but simple justice to the Department to say that through their prompt and efficient services, with well concerted efforts and good judgment, the flames were held in check and most serious conflagrations prevented. This credit has been freely accorded by the underwriters and adjusters of the various insurance companies interested, who have visited and inspected the premises. In this connection it may be opportune to speak of the sub-

ject of insurance. Our city of late years having entailed an unenviable reputation for frequent and disastrous fires, with well founded suspicions of incendiarism, has experienced gradually advancing premiums, reaching a point now excessive and burdensome, and compared with rates on corresponding property in other large towns and in cities, manifestly unequal and oppressive. Policy holders have been made to feel this condition of things so sensibly that it has become a source of loud and general complaint. I have made an effort to ascertain the amount annually paid out for premiums on property insured in this city, but in the absence of authentic data, I have consulted and accepted the estimates of persons who have more thoroughly investigated this matter, and who are well posted in insurance statistics, and predicating my statement upon their opinions, I have no hesitation in saying that the sum will reach, nearly, or quite, \$75,000; *an amount five times in excess of the losses for the year*; showing most conclusively that the demand for a reduction is both equitable and reasonable, and should be conceded by the underwriters.

In order to show the decrease in the cost of fire service of the Department since its re-organization, I subjoin a statement of the last five semi-annual pay rolls; the first two payments under the old ordinance; the third, one-half under the old and one-half under the new; and the last two under the new alone:—

Six months to	Feb. 1, 1867,	under	<i>old</i>	ordinance.....	\$2740.70
" "	Aug. 1,	" "	" "	"	2762.39
" "	Feb. 1, 1868,	"	*old and new	ordinance..	2202.75
" "	Aug. 1,	"	<i>new</i>	ordinance.....	1567.50
" "	Feb. 1, 1869,	"	" "	"	1546.75

This decrease is more readily seen by taking a year under the *old* ordinance, shown in the first two payments, amounting to \$5503.09, and a year under the *new* ordinance, shown in the last two payments, amounting to

* The new ordinance went into effect November 1, 1867.

\$3,114.25; giving a decrease of \$2,388.84; more than three-fourths of the current yearly running expenses.

A new and serviceable four-wheel carriage, manufactured by the Amoskeag Manufacturing Company, from a model adopted by the city of Boston, has been furnished "Eagle Hose." It was much needed, and its introduction has infused an interest which has advanced and perfected the discipline and efficiency of this Company. The carriage will reel 1500 feet of hose. Its cost was \$600, and it was paid for from the proceeds of the sale of Engine No. 3 to the town of Hanover, for an equal sum.

For two years past the cement conduit leading from the large reservoir in the High School yard through School to Main street, and thence up and down Main street to the reservoirs, one in front of the State House and the other at the intersection of Main and Pleasant streets, has so far decayed as to be deemed unreliable, and, in several instances, during the progress of fires, when the full head of water was let on, has burst, necessitating a change of the location of steamers at a critical time and to the great peril of property. Seasonable repairs had been made, but during the past summer the unserviceable condition of this pipe became more apparent, and that portion leading from the lower well in School street, fronting the Post Office, thence through Main street to the State House reservoir, was taken up, and its place supplied with an 8-inch iron pipe, at an expense of about \$800. During the winter, obstructions were found to exist in the upper section of this old pipe in School street, between the reservoir and the upper well opposite the residence of Nathaniel White, indicating its decay there also; and to provide against any contingency of deficiency in the supply of water for fire purposes in the compact portion of Main street, and to facilitate and expedite the operations of the steamers, I caused a line of 6-inch pipe to be laid from the tank of the large holder of the Gas-Light Company to the passway

in rear of the Exchange Building, at a cost of only \$170. At this point a steamer can set and couple with great rapidity, and command with thirty hours' supply of water, not only the buildings fronting on Main street, but the entire rear on its east side from Centre to Pleasant streets, including the mass of wooden buildings there located, and the valuable property of the Concord and Northern Railroad Corporations.

I would recommend the displacement of the remaining portion of this old cement pipe and the substitution of iron. It will require about 350 feet of 8-inch pipe from the reservoir to the lower well in School street to connect with the pipe laid from the latter point to the State House reservoir, referred to above; and 550 feet additional from School to Warren street; thence to the Pleasant street reservoir a 6-inch pipe will suffice, requiring about 400 feet. Wells, with adjustable gates, from which the steamers can draft, should be placed on this line at the foot of School and Warren streets. The estimated expense of this work is about \$1800. I do not make these recommendations without having looked over the ground of expediency carefully and considerately. The capacity of the High School reservoir has been tested in times of extreme drought and has never failed, but it can be greatly increased by laying the new pipe one foot or more lower, as should have been done when the old pipe was laid, and by proper guards from filtering through its ditch. Again, in case of the introduction of pure water from Long Pond, or any other source, these pipes and reservoirs will alike be required, and the investment still remain profitable to our city.

In early autumn two new reservoirs were constructed under my superintendence, both of jug form, built of brick and cement. One at the corner of Main and Pleasant streets of 1500 cubic feet capacity, costing about \$500, connecting with the pipes from the High School reservoir,

and supplying a steamer, playing two streams, for about thirty minutes, giving ample time to open the gates and bring down the water from the reservoir. The other at the junction of Pine and Orchard streets, of about 2500 cubic feet capacity, and costing about \$650, supplied by the Torrent Aqueduct Association. For strength and durability as well as for economy, this form of reservoir is unsurpassed.

A new reservoir is apparently needed at the intersection of State and Washington streets. The position is an important one, commanding much valuable property, now almost entirely unprotected. I would recommend the building of a reservoir at this locality, to be constructed in the form just indicated, to be fed from the brook near by.

I would also ask for 1000 feet new 2 1-2 inch hose for "Eagle Hose" Company. The hose they now have in use was taken from the hand engines upon their disbandment, is quite old, and of insufficient calibre for use in connecting with the steamers. It is very liable to fracture, and in this regard is a matter of much inconvenience and oftentimes great danger. The old hose can be exchanged and applied in part payment for the new.

In suggesting these improvements I have been actuated by considerations of absolute necessity alone. "A penny saved is a *pound* earned," and the timely supply of these deficiencies may prove the means of saving many times the cost. The expenses for the fire service of the city are reduced to nearly one-half the amount incurred in former years, prior to the re-organization of the Fire Department, and now, in view of the many valuable buildings which adorn our city and which yearly are in process of erection, adding to its wealth and beauty, we can well afford to expend the amount thus saved in providing ample means of protection.

In conclusion, I tender my sincere acknowledgments to the Fire Committee and other members of the City Government for their aid in my administration of this Department, and to my Assistants for their cordial co-operation in service; and to the entire Department for a constant and cheerful compliance with my orders and a prompt execution of my plans. All have been emulous of honorable reputation, the reward for which is found in the confidence of our citizens.

ABEL B. HOLT,

Chief Engineer.

CONCORD, February 1, 1869.

BOARD OF ENGINEERS.

CHIEF ENGINEER.

<i>Name.</i>	<i>Occupation.</i>	<i>Residence.</i>
ABEL B. HOLT,	Lumber Dealer,	Merrimack St.

ASSISTANT ENGINEERS.

<i>Names.</i>	<i>Occupation.</i>	<i>Residence.</i>
JOHN D. TEEL,	Farmer,	Main Street.
JOHN M. HILL,	Editor and Publisher,	Montgomery Street.
LOWELL EASTMAN,	Carpenter and Builder,	School Street.
ALONZO DOWNING,	Carriage Manufacturer,	State Street.
ALBERT H. DROWN,	Overseer,	Fisherville.
JAMES FRYE,	Farmer,	East Concord.
HARRISON PARTRIDGE,	Cooper,	West Concord.
	<i>Clerk, JOHN D. TEEL.</i>	

Schedule of Property—Steam Fire Department.

Engine house, lot and stable, \$2,000; stoves, funnel and stove apparatus, \$20; 22 settees, \$88; 12 chairs, \$6; 1 force pump and hose, \$12; 1 wash bench and vise, \$8; 100 ft. one-inch rope, \$5; 1 bed and bedding and 3 tables, \$20; 1 saw and saw-horse, \$3; 1 hoghead tub, \$1.50; 2 fire axes, \$5; 1 coal sifter, \$1; 2 bushel baskets, \$2; 1 set of steps, \$2; dust pans, brooms and mops, \$1; 1 1-2 cords wood, \$10; 1-2 ton coal, \$7; Total, \$2,195.50.

The buildings occupied by the Steamers and Eagle Hose are in good order and fair repair, and although not commensurate, either in location or in their general convenience with the requirements of this Department for its highest efficiency, have been made to afford very reasonable and comfortable accommodations.

Miscellaneous Property not in service.

1 Hunneman hand-engine, (old No. 6,) \$350; 1 four-wheel hose-carriage, (old "Eagle Hose,") \$25; 1 two-wheel hose-carriage, \$5; 500 feet old two-inch hose and couplings, \$250; 50 feet old two-inch hose and couplings, \$8; 100 feet old linen hose, \$1; 5 stoves, \$40; 1 bell, \$8; 1 signal lantern, \$1; 1 rod and rollers, \$1; 1 table, \$1; 2 hanging lamps and reflectors, \$1; 8 spittoons, \$1; 6 jugs, \$1; 1 lot belt-straps and belts, \$1; lantern, ropes, and bars of Fire Police, \$19; Total, \$713.

"GOV. HILL," STEAM FIRE ENGINE COMPANY, No. 1.

OFFICERS.

DANIEL W. LONG, <i>Foreman.</i>	BEZA H. LINCOLN, <i>Clerk.</i>
AUGUSTUS R. MANNING, <i>Asst. Foreman.</i>	AUGUSTUS H. WIGGIN, <i>Engineer.</i>

MEMBERS.

<i>Names.</i>	<i>Occupation.</i>	<i>Residence.</i>
Daniel W. Long,	Carriage Trimmer,	Spring st.
Augustus R. Manning,	Blacksmith,	Pleasant st.
Augustus H. Wiggin,	Printer,	Hanover st.
Stephen Blaney,	Carriage Painter,	Spring, corner School st.
John A. Lane,	Blacksmith,	Warren, corner of Mer. st.
Beza H. Lincoln,	Carriage Trimmer,	Spring st.
Frank G. Mason,	Watchman, N. E. R.,	Pearl st.
Howard F. Hill,	Reporter,	Montgomery st.
Isaac G. Howe,	Machinist,	Green st.
Eugene A. Bix,	Carriage Trimmer,	School, corner of Spring st.
Edwin J. Cheney,	Machinist,	Thorndike st.
Sylvester G. Long,	Machinist,	Centre, corner of Spring st.
Frank Smart,	Driver of Steamer,	Merrimack st.

Schedule of Property—Steamer "Gov. Hill."

Steamer \$4,500; hose-carriage, \$200; 700 feet 2 1-2 inch, new leather hose, \$1,050; 12 fire suits and caps, \$60; 2 blunderbusses and spread nozzle, \$45; 3 buckets and 3 lanterns, \$12; 1 bar, 1 axe, 1 shovel, \$4; 16 spanners and belts, \$8; 4 reducers, \$10; 1 jack-screw, \$5; 2 rubber valves and springs, \$6; 5 wrenches, \$3; 6 tin cans, \$3; 3 towels, \$1; 2 hammers and water-pots, \$3; 1 trumpet, \$5; Total, \$5,915.

This Steamer is a first-class machine, playing four streams, and was built by the Amoskeag Manufacturing Company in 1862. It is in the best order and condition.

“KEARSARGE,” STEAM FIRE ENGINE COMPANY, No. 2.

OFFICERS.

NATHAN H. HASKELL, *Foreman*. GEORGE A. GLOVER, *Clerk*.
 DANIEL B. NEWHALL, *Asst. Foreman*. BENJAMIN F. DUNKLEE, *Engineer*.

MEMBERS.

<i>Names.</i>	<i>Occupation.</i>	<i>Residence.</i>
Nathan H. Haskell,	Painter,	Perley st.
Daniel B. Newhall,	Clerk,	Blake st.
George A. Glover,	Tinsmith,	Warren st.
George L. Lovejoy,	Painter,	Elm st.
William M. Leaver,	Painter,	Wall st.
Benjamin F. Dunklee,	Machinist,	Merrimack st.
Horace D. Carter,	Machinist,	Elm st.
William Badger,	Gas-Fitter,	Maple st.
Warren H. Corning,	Hair Dresser,	School st.
John C. Shay,	Painter,	Main st.
Arthur L. Currier,	Hack Driver,	Warren st.
Charles Crow,	Carriage Maker,	Elm st.

Schedule of Property—Steamer “Kearsarge.”

Steamer, \$4,200; hose-carriage, \$200; 650 feet new two and one-half inch hose, \$1,137,50; 12 fire suits and caps, \$72; 2 blunderbusses, \$25; 2 axes, 1 shovel, 1 bar, \$5; 3 buckets and 3 lanterns, \$12; 4 wrenches and two hammers, \$6; 4 tin cans, \$2; 3 reducers, \$7,50; 1 jack-screw, \$5; 16 spanners and belts, \$8; 1 coal grate, \$5; 1 trumpet, \$5; Total, \$5,690.

This Steamer is a second-class machine, playing two streams, and was built by the Amoskeag Manufacturing Company in 1866. It is in most excellent order and condition.

"EAGLE HOSE" COMPANY, No. 1.

OFFICERS.

CHARLES M. LANG, *Foreman.* MOSES T. PALMER, *Clerk.*
 JOHN WHITTEMORE, *Asst. Foreman.*

MEMBERS.

<i>Names.</i>	<i>Occupation.</i>	<i>Residence.</i>
Charles M. Lang,	Painter,	Centre st.
John Whittemore,	Carpenter,	Warren st.
Moses T. Palmer,	Machinist,	Warren st.
Henry B. Shute,	Carriage Maker,	State st.
Joseph E. Lawrence,	Harness Maker,	Monroe st.
James Hill,	Blacksmith,	Beacon st.
Orlando S. Emerson,	Machinist,	Railroad Square.
Charles A. Savory,	Carpenter,	Warren st.
John W. Bliss,	Carriage Maker,	State st.
Amos H. Morrison,	Machinist,	Prince st.
Joseph C. Cochran,	Blacksmith,	Elm st.
Walter A. Webster,	Machinist,	Warren st.

Schedule of Property—"Eagle Hose."

One four-wheel hose-carriage, \$600; 1400 feet two-inch hose, \$1400; 12 fire suits and caps, \$72; 2 blunderbusses and spread nozzle, \$45; 1 bar and axe, \$5; 16 spanners and belts, \$8; 2 tin cans, \$1; 1 rope and ring, \$1; Total, \$2.132.

The carriage in use is of the latest and most approved pattern, and was built by the Amoskeag Manufacturing Company in the Fall of 1868. It can be run, at option, by hand or horse power.

HOOK AND LADDER COMPANY, No. 1.

OFFICERS.

DANIEL CLIFFORD, *Foreman.*JOSEPH B. SMART, *Clerk.*ANDREW H. WEBSTER, *Asst. Foreman.*

MEMBERS.

<i>Names.</i>	<i>Occupation.</i>	<i>Residence.</i>
Daniel Clifford,	Carpenter,	Green st.
Andrew H. Webster,	Carriage Maker,	State st.
Joseph B. Smart,	Mason,	Maple st.
Charles T. Wasson,	Carpenter,	Main st.
John G. Elliott,	Machinist,	Jefferson st.
Michael Haynes,	Blacksmith,	Main st.
Moses C. Hadley,	Stone Cutter,	Franklin st.
Reuben B. Morgan,	Carpenter,	Beacon st.
John Cheney,	Stone Cutter,	Washington st.
Joseph Lord,	Painter,	Main st.
Alvah C. Ferrin,	Mason,	Centre st.
William H. Kenney,	Mason,	Rumford st.
Reuben Lake,	Teamster,	Fayette st.
Luther P. Fuller,	Blacksmith,	West st.
Joshua T. Kendall,	Carpenter,	Main st.
Augustine Collins,	Carpenter,	South st.
Benjamin Ouillette,	Carpenter,	Main st.
Albert H. Fellows,	Blacksmith,	South st.
George E. Sanborn,	Carriage Maker,	Turnpike st.
Asa D. Cutting,	Painter,	Academy st.
Frank H. Locke,	Machinist,	Pleasant st.
Charles H. Lane,	Carpenter,	South st.
Michael Arnold,	Laborer,	Main st.
Zachariah Lord,	Painter,	Downing st.

Schedule of Property—Hook and Ladder Company, No. 1.

House, \$50 ; carriage, \$250 ; 380 feet ladders, \$76 ; 3 large fire hooks, ropes and chains, \$60 ; 10 small fire hooks and pikes, \$10 ; 5 shovels and 2 axes, \$7 ; 2 iron bars, \$8 ; 1 iron jack and can, \$3 ; 2 pitchforks, \$1 ; Total, \$465.

The location of the house of this Company is on Warren street, immediately in rear of Central Block. The building was put up in a rude manner, and was intended simply to house the apparatus until more ample and comfortable accommodations should be provided by the erection of new buildings for the Steam Fire Department.

CONCORD RAILROAD HYDRANT & HOSE COMPANY, No. 1.

OFFICERS.

EDWARD STUDLEY, *Foreman.*

PHILIP FLANDERS, JR., *Clerk.*

MOSES W. DICKERMAN, *Asst. Foreman.*

MEMBERS.

<i>Names.</i>	<i>Occupation.</i>	<i>Residence.</i>
Edward Studley,	Master Mechanic,	State st.
Moses W. Dickerman,	Master Car Department,	Fayette st.
Charles L. Eastman,	Overseer Machine Shop,	Pleasant st.
Hiram Richardson,	Carpenter,	Franklin st.
Jonathan Evans,	Engineer,	Short st.
Grafton Upton,	Carpenter,	Thompson st.
Abel F. Moore,	Road Master,	Railroad Square.
Thomas A. Moore,	Carpenter,	Railroad Square.
George Cunningham,	Forger,	Main st.
Charles H. Sanborn,	Machinist,	West st.
James T. Gordon,	Engineer,	Railroad Square.
William Smith,	Machinist,	West st.
Zadoc S. Packard,	Carpenter,	Warren st.
Nathan B. Bickford,	Gas Fitter,	Railroad Square.
James Lahey,	Laborer,	Cross st.
Dennis Sullivan,	Forger,	Centre st.
John Geanty,	Car Examiner,	Cross st.
Thomas Sullivan,	Forger,	Main st.
Philip Plumer,	Carpenter,	Wall st.
Charles H. Cloud,	Machinist,	Hall st.
John Sexton,	Machinist,	Main st.
William H. Collins,	Engineer,	Main st.
Hazen Abbott,	Carpenter,	Wall st.
Philip Flanders, jr.,	Pattern Maker,	Tahanto st.

Schedule of Property—Concord Railroad Hydrant and Hose.

Two two-wheel hose-carriages, \$325 ; 6 fire suits, \$24 ; Total, \$349.

NORTHERN RAILROAD HYDRANT AND HOSE COMPANY,
No. 2.

OFFICERS.

JAMES N. LAUDER, *Foreman.* LUTHER W. NICHOLS, *Clerk.*
GEORGE HARRINGTON, *Asst. Foreman.*

MEMBERS.

<i>Names.</i>	<i>Occupation.</i>	<i>Residence.</i>
James N. Lauder,	Master Mechanic,	Washington st.
George Harrington,	Machinist,	Warren st.
Luther W. Nichols,	Clerk,	Centre and Spring sts.
Joseph F. Emerson,	Blacksmith,	Sullivan st.
Thomas A. Pillsbury,	Machinist,	Washington st.
John P. Mason,	Machinist,	Chapel st.
Charles M. Clark,	Machinist,	Main st.
Charles F. Nichols,	Clerk,	Centre and Spring sts.
Frank Wolcott,	Wood Worker,	Spring st.
Charles E. Robbins,	Machinist,	Spring st.
Asa Folsom,	Machinist,	Pearl st.
Loren W. Glysson,	Machinist,	Cross st.

Schedule of Property—Northern Railroad Hydrant and Hose.

Three fire suits, \$12 ; Total, \$12.

“PIONEER,” COMPANY, No. 1.

Hand Engine. Fisherville.

OFFICERS.

JOHN WHITTAKER, *Foreman.* CALVIN ROBERTS, *Clerk.*
SAMUEL R. MANN, *Asst. Foreman.*

MEMBERS.

<i>Names.</i>	<i>Occupation.</i>	<i>Residence.</i>
John Whittaker,	Lumber Dealer,	Warren st.
Samuel R. Mann,	Machinist,	Merrimack st.
Robert Crowther,	Spinner,	Summer st.
John G. Warren,	Carpenter,	Church st.
Calvin Roberts,	Watchman,	Merrimack st.
Joel A. Cushon,	Machinist.	Spring st.
Isaac N. Vesper,	Machinist,	High st.
Frank A. Emerson,	Cloth Dresser,	Summer st.
Edward McArdle,	Cabinet Maker,	Depot st.
Isaac P. Durgin,	Machinist,	Summer st.

<i>Names.</i>	<i>Occupation.</i>	<i>Residence.</i>
Reuben Goodwin,	Farmer,	High st.
Hazen Knowlton,	Carpenter,	Near Depot.
John A. Coburn,	Harness Maker,	Merrimack st.
William H. Bell,	Jeweler,	Elm st.
Frank A. Abbott,	Cabinet Maker,	Merrimack st.
Ira C. Edgerly,	Express Messenger,	High st.
Abial Rolfe,	Insurance Agent,	Depot st.
Eli Hanson,	Cabinet Maker,	Cross st.
Joshua S. Bean,	Teamster,	Central st.
Moses H. Bean,	Merchant,	Elm st.
George P. Meserve,	Cabinet Maker,	Summer st.
Grant P. Meserve,	Cabinet Maker,	Summer st.
Charles D. Titus,	Machinist,	Washington st.
Moses H. Fifield,	Teamster,	High st.
Heman J. Currier,	Artist,	Main st.
J. Scott Durgin,	Cabinet Maker,	Main st.
Elkins P. Everett,	Harness Maker,	Walnut st.
Charles H. Garland,	Machinist,	Main st.
Edgar Roberts,	Saw Mill Tender,	High st.
John C. Linehan,	Merchant,	Charles st.
John Carter,	Merchant,	High st.
James S. Crowther,	Carpenter,	High st.
Charles W. Hardy,	Carpenter,	High st.
Charles H. Green,	Blacksmith,	Main st.
Charles G. Morse,	Cabinet Maker,	Union st.
William Dow,	Cabinet Maker,	Merrimack st.
Richmond Haselton,	Cabinet Maker,	Church st.
J. Wesley Bean,	Teamster,	Central st.
Samuel H. Runnels,	Stone Cutter,	Main st.
Fifield Tucker,	Cabinet Maker,	High st.
Patrick Foley,	Mechanic,	Main st.
Edward H. Dixon,	Cabinet Maker,	Elm st.
Thomas C. French,	Cabinet Maker,	Main st.
Timothy Linehan,	Machinist,	Warren st.
Stephen C. Harvey,	Cabinet Maker,	High st.
Frank Marden,	Cabinet Maker,	West Canal st.
Henry C. Briggs,	Machinist,	Elm st.
William Maher,	Machinist,	West Canal st.
Charles C. Bean,	Teamster,	Summer st.

Schedule of Property—"Pioneer," No. 1.

House, \$800; engine, \$1000; 2 hose-carriages, \$200; 600 feet two-inch new leather hose, \$1050; 300 feet two-inch old leather hose, \$150; 1 set runners, \$5; 5 lanterns, \$5; 1 ax, 1 bar, \$3; 5 fire suits, \$20; 1 stove and funnel, \$20; 6 settees, \$24; 6 chairs, \$3; 1 can, 4 lamps, \$2; 1 fire-hook and rope, \$25; 1 signal lantern, \$3; 6 spanners and wrenches, \$3; Total, \$3313.

This machine is a "Button" tub, playing two powerful and effective streams. The entire apparatus of this Company is always kept in the most serviceable condition, and scrupulous neatness and good order mark the care and attention bestowed by the "Pioneers" upon the property they hold in charge.