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CITY OF MANCHESTER.



ANNUAL REPORTS

FOR

THE YEAR 1876.

NEW HAMPSHIRE
STATE LIBRARY



THIRTY-FIRST ANNUAL REPORT

OF THE

RECEIPTS AND EXPENDITURES

OF THE

CITY OF MANCHESTER,

FOR THE FISCAL YEAR ENDING

DECEMBER 31, 1876.

TOGETHER WITH

OTHER ANNUAL REPORTS AND PAPERS RELATING TO THE
AFFAIRS OF THE CITY.



MANCHESTER, N. H.

JOHN B. CLARKE, PRINTER.

1877.

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352.07
M268
1876

CITY OF MANCHESTER.

IN BOARD OF COMMON COUNCIL.

AN ORDER, authorizing the printing of the Thirty-First Annual Report of the Receipts and Expenditures of the City of Manchester.

ORDERED, if the Board of Mayor and Aldermen concur, that the Joint Standing Committee on Finance be, and they are hereby authorized to procure for the use of the inhabitants of said city, the printing of two thousand copies of the Thirty-First Annual Report of the Receipts and Expenditures of the City of Manchester, including the Reports of the Committee on Finance, the School Board, Water Commissioners and Superintendent of Water-Works, Engineers of the Fire Department, City Marshal, Overseers of the Poor, Trustees, Librarian and Treasurer of the City Library, Committee on Cemeteries, and Committee on City Farm, and that the expense thereof be charged to the appropriation for Printing and Stationery.

IN BOARD OF COMMON COUNCIL. January 11, 1877.

Passed.

ARTHUR DINSMORE, *President*.

IN BOARD OF MAYOR AND ALDERMEN. January 11, 1877.

Passed in concurrence.

IRA CROSS, *Mayor*.

MANCHESTER
CITY GOVERNMENT.

1876.

MAYOR.

HON. IRA CROSS.

CITY CLERK.

ALBERT JACKSON.*
JOHN P. NEWELL.†

PRESIDENT OF COMMON COUNCIL.

ARTHUR DINSMORE.

CLERK OF COMMON COUNCIL.

SYLVANUS B. PUTNAM.

CITY TREASURER.

HENRY R. CHAMBERLIN.

* Removed April 26.
† Appointed April 26.

COLLECTOR OF TAXES.

JAMES MITCHELL.

CITY MESSENGER.

MICHAEL TALTY.*

JOHN A. BARKER.†

ALDERMEN.

Ward 1.—Seth T. Hill.

Ward 2.—Edwin H. Hobbs.

Ward 3.—James B. Straw.

Ward 4.—John L. Kennedy.‡

Noah S. Clark.§

Ward 5.—John Lee.

Ward 6.—William C. Blodgett.

Ward 7.—Joseph Beddows.

MEMBERS OF COMMON COUNCIL.

WARD 1.

Israel O. Endicott,
Andrew J. Dickey,
Rufus Wilkinson.

WARD 3.

Abram B. Story,
Zebulon F. Campbell,
Moses French.

WARD 2.

Loring B. Bodwell,
Arthur Dinsmore,
Sumner D. Quint.

WARD 4.

Henry L. Drew,‡
Charles H. Caverly,‡
Edw'd W. Harrington, jr.,‡
James M. Stanton,||
Horace Stearns,||
Walter Parker.||

* Removed April 4.

† Elected April 4.

‡ Election contested and seat given to contestants.

§ Declared elected by Board of Aldermen.

|| Declared elected by Board of Common Council.

WARD 5.

Henry N. Hall,
Benjamin P. Burpee,
James Sullivan.

WARD 6.

Simon Dodge,
Aaron Waldron,
Daniel F. Healey.

WARD 7.

Newell R. Bixby,
William Bailey,
Pius Brown.

JOINT STANDING COMMITTEES.

Finance.—Messrs. Story, Wilkinson and Sullivan; the Mayor and Alderman Lee.

Accounts.—Aldermen Straw and Clark; Messrs. Dickey, Healey and Quint.

Lands and Buildings.—Aldermen Hill and Blodgett; Messrs. Campbell, Brown and Hall.

Public Instruction.—Aldermen Straw and Beddows; Messrs. Sullivan, Endicott and Parker.

Streets.—Aldermen Hobbs and Clark; Messrs. Bodwell, Brown and Burpee.

City Farm.—Aldermen Straw and Blodgett; Messrs. Bixby, Wilkinson and Waldron.

Sewers and Drains.—Aldermen Hobbs and Lee; Messrs. Quint, Hall and French.

Commons and Cemeteries.—Aldermen Clark and Beddows; Messrs. Dodge, Dickey and Stearns; Citizens Albert H. Daniels, Jacob F. James, Joseph Kidder, Holmes R. Pettee, Edward W. Harrington,* Charles H. Bartlett, James A. Weston, Sylvanus B. Putnam.

Fire Department.—Aldermen Hobbs and Blodgett; Messrs. Bodwell, Endicott and Healey.

* Died July 11, 1876.

Claims.—Aldermen Hill and Straw; Messrs. French, Burpee and Story.

House of Correction.—Aldermen Blodgett and Straw; Messrs. Bailey, Stanton and French.

Lighting Streets.—Aldermen Clark and Lee; Messrs. Endicott, Dodge and Quint.

Military Affairs.—Aldermen Beddows and Hill; Messrs. Bailey and Parker.

Water-Works.—Aldermen Lee and Hobbs; Messrs. Brown, Hall and Waldron.

STANDING COMMITTEES IN BOARD OF MAYOR AND ALDERMEN.

Enrollment.—Aldermen Hill and Straw.

Bills on Second Reading.—Aldermen Beddows and Straw.

Licenses.—Aldermen Hobbs and Clark.

Marshal's Accounts.—Aldermen Hill and Blodgett.

Setting Trees.—Aldermen Blodgett and Hobbs.

Market.—Aldermen Lee and Straw.

STANDING COMMITTEES IN BOARD OF COMMON COUNCIL.

Election Returns.—Messrs. Story, Dickey and Dodge.

Bills on Second Reading.—Healey, Bixby and Bodwell.

Enrollment.—Messrs. Stearns, Campbell and Wilkinson.

ASSESSORS.

Jacob F. James, *Chairman.*

Joseph H. Haynes, *Clerk.*

Henry W. Powell,

Timothy Sullivan,

Jacob F. James,

John Ryan,

Joseph H. Haynes,

William W. Baker,

Andrew C. Wallace.

ASSISTANT ASSESSORS.

Horace P. Watts,	John P. Moore,
George H. Colby,	Moulton Knowles,
Isaac Whittemore.	

OVERSEERS OF THE POOR.

Hon. Ira Cross, <i>ex-officio</i> Chairman.	Sayward J. Young, <i>Clerk</i> .
Sayward J. Young,	John Dealy,
Jeremiah Stickney,	Patrick A. Devine,
George W. Wilson,	Daniel Shehan,
Edwin A. Moulton.	

SCHOOL COMMITTEE.

Hon. Ira Cross, <i>ex-officio</i> Chairman.	William Little, <i>Clerk</i> .
George W. Stevens,	Marshall P. Hall,
Joseph Kidder,	John P. Newell,
Isaac L. Heath,	Lucien B. Clough,
William F. Byrns,	Nathaniel W. Cumner.
Samuel P. Jackson,	Martin Fitzgerald,
William Little,	Newton H. Wilson,
Isaac W. Darrah,	James P. Walker,
Arthur Dinsmore, <i>ex-officio</i> .	

SUPERINTENDENT OF PUBLIC INSTRUCTION.

Josiah G. Dearborn.*

*The Act of the Legislature approved July 18, 1876, repealed the law under which Mr. Dearborn was chosen. The office of Superintendent, created by the Act of July 18, 1876, has not been filled.

CITY SOLICITOR.

Jonathan Smith.

TRUSTEES OF CITY LIBRARY.

Hon. Daniel Clark,	Hon. E. A. Straw,
Hon. Wm. P. Newell,	Hon. Isaac W. Smith,
Hon. Samuel N. Bell,	Hon. Moody Currier,
Hon. Nathan P. Hunt,	Arthur Dinsmore, <i>ex-officio</i> .
Hon. Ira Cross, <i>ex-officio</i> .	

LIBRARIAN.

Charles H. Marshall.

POLICE DEPARTMENT.

Justice.

John P. Bartlett.*

Nathan P. Hunt.†

Assistant Justice.

Newton H. Wilson.‡

Henry W. Tewksbury.§

Clerk.

John B. Mills.||

Thomas D. Luce.¶

City Marshal.

Darwin A. Simons.**

William B. Patten.††

* Removed July 25.

‡ Removed in July.

|| Removed Aug. 1.

** Resigned May 2.

† Appointed July 25.

§ Appointed in July.

¶ Appointed Aug. 1.

†† Elected May 16.

Assistant Marshal.

Daniel R. Prescott.*

Horatio W. Longa.†

Captain of the Watch.

David Perkins.

Day Police.

Ransom W. Bean.

John C. Colburn.

Night Watchmen.

Eben Carr,

James Bucklin,

Thomas Frain,

Wm. H. B. Newhall,

John F. Cassidy,

Charles B. Clarkson,

Alfred Vincellette,

Melvin J. Jenkins,

James E. Bailey,

Horace P. Marshall,

Thomas W. Cavanaugh,‡

Michael Marr,

James F. Dunn,

Hiram Stearns,

Z. B. Wright,

Michael Fox,

Henry Harmon.

Truant Officer.

David Thayer.

Constables.

Wm. B. Patten,

H. W. Longa,

D. K. White,

Sidney R. Hanaford,

George W. Nichols,

Harrison D. Lord,

Groves Brown,

Myron H. Stone,

John L. Kennedy.

* Resigned June 6.

‡ Resigned Sept. 26.

† Appointed June 6.

BOARD OF HEALTH.

Darwin A. Simons,*	William B. Patten,†
R. J. P. Goodwin,	P. A. Devine.

CITY PHYSICIAN.

Hanson C. Canney.

CHIEF ENGINEER OF FIRE DEPARTMENT.

James F. Pherson.

Assistant Engineers.

John Patterson,	David H. Young,
Patrick Sullivan,	George H. Dodge.

CITY AUDITOR AND REGISTRAR.

John P. Newell.

WARD OFFICERS.

Moderators.

Ward 1.—Daniel H. Maxfield.
 Ward 2.—George W. Riddle.
 Ward 3.—Wm. R. Patten.
 Ward 4.—H. P. Watts.
 Ward 5.—Hugh McDonough,
 Ward 6.—Edwin Kennedy.
 Ward 7.—Joseph W. Bean.
 Ward 8.—Charles K. Walker.

* Resigned June 1.

† Appointed June 1.

Ward Clerks.

Ward 1.—Perry H. Dow.

Ward 2.—Nathan P. Kidder.

Ward 3.—Thomas D. Luce.

Ward 4.—Walter S. Holt.

Ward 5.—Michael Callahan.

Ward 6.—Edwin N. Baker.

Ward 7.—Frank H. Challis.

Ward 8.—Frederick W. Dearborn.

Selectmen.

WARD 1.

George W. Bacon,
Willis P. Fogg,
Franklin W. McKinley.

WARD 2.

Benjamin L. Hartshorn,
George A. Farmer,
Hugh Ramsey.

WARD 3.

R. M. Miller,
T. P. Heath,
E. M. Slayton.

WARD 4.

J. Witter Smith,
True O. Furnald,
John Truesdale.

WARD 5.

John J. Flynn,
James Briggs,
Thomas Howe.

WARD 6.

A. D. Gooden,
George W. Dearborn,
George H. Dudley.

WARD 7.

Augustus Canis,
Charles H. George,
William A. Clement.

WARD 8.

Charles H. Hodgman,
Hezekiah H. Noyes,
Dalton J. Warren.

Inspectors.

Ward 1.—John J. Dillon.

Ward 2.—Joseph H. Haynes.

Ward 3.—Lemuel James.

Ward 4.—Harrison D. Lord.

Ward 5.—Dustin Marshall.

Ward 6.—Isaac Whittemore.

Ward 7.—Solon D. Pollard.

Ward 8.—Horatio Fradd.

MANCHESTER WATER-WORKS.

ANNUAL REPORTS

OF THE

BOARD OF WATER COMMISSIONERS

AND THE

SUPERINTENDENT.



ANNUAL REPORT

OF THE

BOARD OF WATER COMMISSIONERS.

WATER COMMISSIONERS' OFFICE, }
MANCHESTER, N. H., Jan. 1, 1877. }

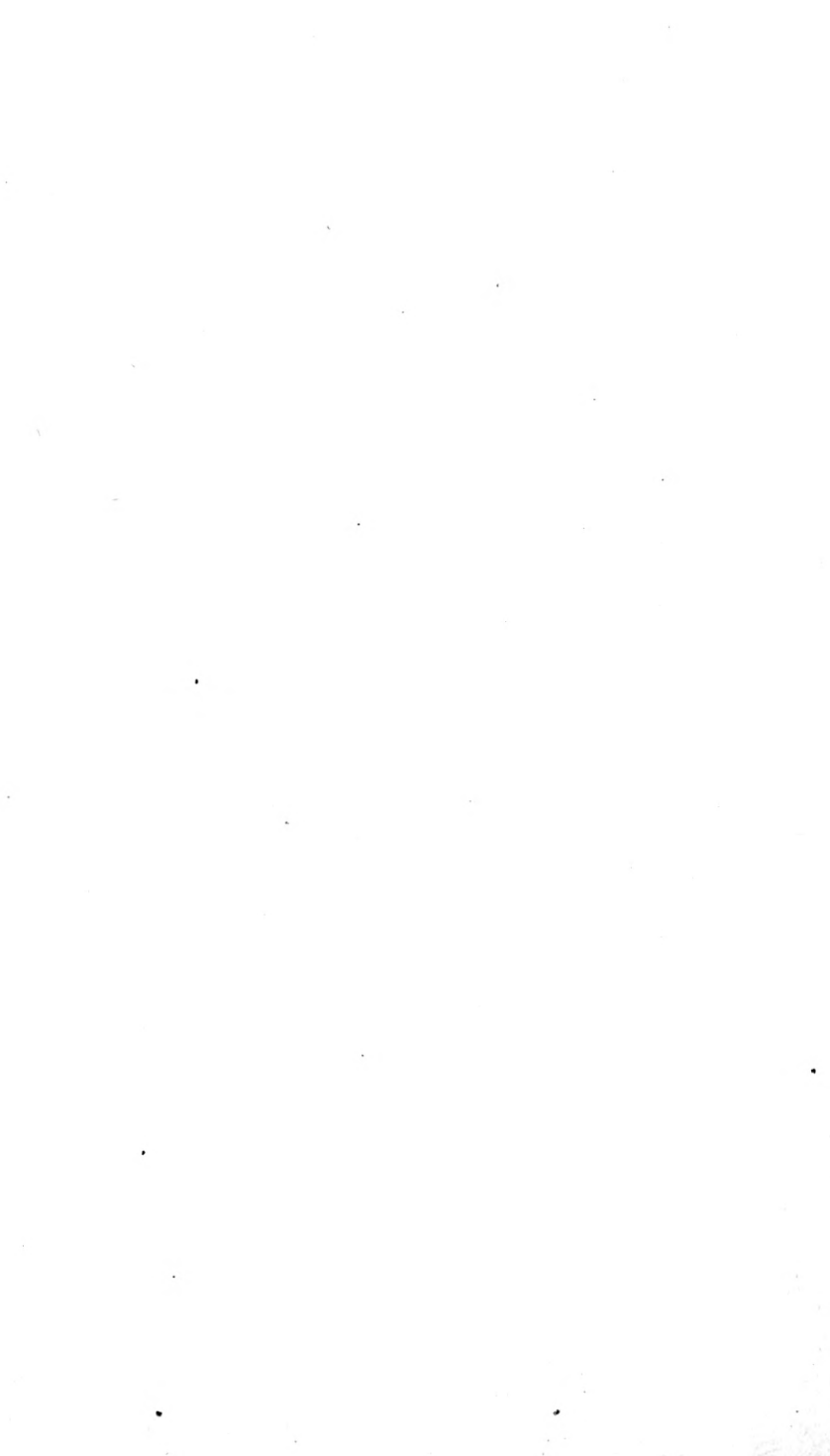
To the City Councils of the City of Manchester :

GENTLEMEN :—In compliance with “ An ordinance in relation to Water-Works ” the Board of Water Commissioners herewith present their fifth annual report for the year ending December 31, 1876.

The report of the Superintendent, which is appended hereto, furnishes a detailed statement of the receipts and expenditures during the year, together with such other information as will enable you to have a full understanding of the operations and condition of this department. All matters required to be reported by the Board are so fully stated therein that they have not deemed it necessary to repeat them in a separate report.

Respectfully submitted,

ALPHEUS GAY,
WM. P. NEWELL,
A. C. WALLACE,
J. Q. A. SARGENT,
JAMES A. WESTON,
IRA CROSS,
ARETAS BLOOD, } *Water
Commissioners.*



SUPERINTENDENT'S REPORT.

To the Board of Water Commissioners of the City of Manchester :

GENTLEMEN:—The undersigned respectfully submits the following report for the year ending December 31, 1876 :

ELEVATION OF WATER IN MASSABESIC LAKE.

The water in the Lake was the highest March 30. It continued to fall from this time till the 18th of October. From this date till the end of the year it remained at the same height.

DAMS.

The dam is in good condition. Slight repairs have been made by cementing some of the joints in the lower stepping stones where the cement had been washed out by the overfall in high water.

CANAL.

The Canal remains about the same as it was last season. Some repairs have been made on the banks, and a small portion on the north side has been loamed and sowed down with rye and grass-seed. An attempt was made to draw out the water while repairs were being made on the water wheels, but as the earth forming the slopes began to slide in as the water lowered, it was discontinued.

The caving in was principally where the brook was before the canal was dug. The brook was turned so as to

run south of the canal and the pump-house. A large quantity of water runs in this channel in the spring, and has washed out a large amount of earth west of the new highway and carried it on to the meadow. In time it would fill up the channel of Manter Brook. To prevent this, and to save the expense of a culvert, two acres of land have been purchased and a new channel dug for the brook.

PUMPING STATION.

There has been a fence built on the west side of Colias Avenue, in front of the pumping station, from the stone arch bridge south about six hundred feet, at an expense of one hundred and forty-one dollars and seventy-one cents. (\$141.71.)

The brick walls inside of the pump-house, above the gallery, have been washed down and painted with two coats of light railroad paint, and the sides of the windows and doors painted a light blue, at an expense of one hundred and twenty-one dollars and seventy cents (\$121.70). This greatly improves the appearance of the walls.

The pumps have worked well the past year, and are now in good order.

There has been some trouble with steps of the water-wheels, and in case they need repair, it is a great deal of trouble and expense to get at them, as they sit so low, and the damper gates cannot be closed tight enough to keep the water out of the pit.

Mr. C. C. Cole has charge of the pumping station and lands adjoining, and gives good satisfaction.

RECORD OF PUMPING, 1876.

MONTHS.	No. hours' work for both pumps.	Average stroke p'r minute.	Total No. strokes p'r month	Total gallons pumped in one month.	Daily average gallons pumped.
January	588 h. 10 m.	17.73	608,023	35,873,357	1,157,205
February	671 " 50 "	15.58	667,876	39,410,584	1,358,986
March.....	652 " 10 "	17.13	670,240	39,544,160	1,275,618
April.....	494 " 40 "	19.25	571,312	33,707,408	1,123,581
May.....	483 " 00 "	20.24	586,435	34,599,665	1,116,118
June.....	577 " 30 "	17.25	597,802	35,270,318	1,175,677
July.....	688 " 50 "	17.69	731,664	43,168,176	1,392,522
August.....	600 " 30 "	17.75	639,613	37,737,167	1,217,328
September.....	502 " 05 "	16.27	506,371	29,875,889	995,863
October.....	654 " 50 "	15.68	616,071	36,348,189	1,172,522
November.....	672 " 10 "	15.74	634,702	37,459,218	1,248,641
December.....	757 " 20 "	15.74	715,271	42,195,120	1,361,322
Totals and average.	7,442 h. 05 m.	17.13	75,456.80	445,195,120	1,216,380

The cost of pumping water into the reservoir for the year is three dollars and twenty cents (\$3.20) per million gallons, or about three cents (.03) per million gallons pumped one foot high.

It will be seen by the above table that there is as much water used, or wasted, in the winter as in summer.

There was more water pumped in July than in any other month, but we supplied the Amoskeag Manufacturing Company's reservoir for four and one-half days during this time, while they were making repairs.

It is evident that a large portion of the water-takers let it run in cold weather, to prevent freezing. This is against the rules, and should be stopped. They can just as well turn off the water as to let it run, if their houses are properly piped. Wasting water in summer or winter is wrong, and no citizen has a legal or moral right to do it. The assessments of water rates are made on the basis of the actual needs of consumers for ordinary uses. Consumers

pay for this quantity only, and do not pay for what is wasted. Yard or street sprinklers are limited to one hour each day, but yet many attach them to trees or stakes and let them run hours, and frequently all night.

The rules have been published in the daily papers, but have had little or no effect. Those having meters pay for what water they use, and are willing to do it; but they do not like to pay more than their neighbors, who sprinkle twice as much. The Superintendent would gladly carry out any plan which may be devised whereby the waste of water can be checked.

SUPPLY AND FORCE MAIN.

There have been a few leaks on the force main, and at the present time there are two that show on the surface, but as they are small and do no damage, it was thought best not to mend them at present. It is not advisable to drain the water out of the force main unless absolutely necessary.

The supply main is in good condition. The number of leaks which have occurred on this portion of the pipe is eight, all of which have been repaired.

There are on hand eleven pieces of 20-inch cast-iron pipe for use in case anything should happen to either of these mains.

RESERVOIR.

The grounds about the reservoir have been graded and fenced. The fence was built with chestnut posts and pickets, with pine rails. That part of the post set in the ground was dipped in hot coal tar. Length of fence, 2,575 feet.

Cost,	\$620 23
Cost of grading,	234 13
	<hr/>
Total cost at reservoir,	\$854 36

DISTRIBUTION PIPES.

The pipes laid last year at the lower end of Elm street, and in 'Squog, have caused not a little trouble on account of the leaks at the joints. In my last report I gave my opinion as to the cause, and I have seen no occasion to alter it. The cast-iron main from Elm street to Main street in 'Squog had six leaks. The pipe in the river was examined in low water and one small leak found near the western shore, in one of the socket joints, which was easily repaired.

The leaks on the west side of the river number, 235 : on the east side, 150.

A portion of wrought-iron and cement pipe has been taken up and laid with cast-iron, as follows :

140 feet	corner	Elm	and	Park	streets.
48	"	"	"	"	Cove "
90	"	"	Ferry	"	Main "

These places caused so much trouble that it was thought best to re-lay them in a permanent manner. For this purpose cast-iron pipe, with suitable branches, was bought and laid.

Two hundred feet of cement pipe on Merrimack street has been lowered on account of cutting down that street west of Franklin street.

There has been laid the past year about two miles of cast-iron pipe, more than half of which was 14 and 12-inch.

Fourteen inch pipe was laid on Elm street from Pearl to Adams street—distance 4,502 feet ; 12-inch from the Gas Works to River Road in Bakersville, and 12-inch from Pearl to Prospect on Beech, making 2,007 feet of 12-inch. The other extensions were 6-inch pipe and all cast-iron ; but 512 feet laid on Spruce street.

Connections on Elm were made with the pipes laid on Pearl, Orange, Myrtle, Prospect, Harrison, Brook and

Blodgett streets : also a 14-inch connection was made with the Amoskeag Company's pipe at Brook street.

The expense of laying the 14-inch pipe on the upper end of Elm street was somewhat increased by the ledge cut and the extra depth to which the trench had to be excavated, as the grade of the street established showed from one to three feet cut above Sagamore street, making in some places nine feet cut.

The cast-iron pipe was bought of R. D. Wood & Co., Philadelphia, at \$38.38 per long ton (2,240), delivered at the Manchester station.

The iron pipe was laid by the day, under the immediate charge of John Conway. The joints were made of lead, run at one pouring, excepting in a few cases where the clay did not hold, and on the 20-inch where it took two ladles of lead to make a joint. There has been as much gasket and as little lead used as in our judgment would make a good joint.

We have had eight leaks on the extensions, 5 on Elm street—4 lead joints and one wooden plug blew out ; one on Prospect street, one on Centre street ; one wooden plug blew out on Brook street, making six joint leaks on the two miles that had to be re-calked.

The cost of laying pipe the past season, including the pipe and branches now on hand, is \$21,907.23. Hydrants and gates, \$1,510.34. Total, \$23,417.57.

A settlement was made with George H. Norman January 1, 1877. The balance due him is \$1,315.59.

SCHEDULE OF PIPES AND FIXTURES LAID AND SET IN 1876.

STREETS.	LOCATION.	Cement Lined.	Cast Iron.					Gates.				Hydrants.
			6 in.	8 in.	12 in.	14 in.	6 in.	8 in.	12 in.	14 in.		
Adams.....	Elm, west.....	98					1					1
Appleton....	100 ft. w. of Elm to Chest..	837					2					2
Beech.....	Pearl to Prospect.....			867					1			
Brook.....	Union to Beech.....	539					1					1
Blodgett....	To connect 14 in. on Elm..	16										
Centre.....	Third to River.....	544					1					
Dean.....	Elm, west.....	55					1					1
Elm.....	Kidder to Adams.....	26			4527		1			2		1
Elm.....	Gas Works to River Road			1140								
Granite.....	West side of river, east....	15					1					1
Hollis.....	Elm, west.....	53					1					1
Harrison....	Elm, east.....	11										
Langdon....	Elm, west.....	55					1					1
Myrtle.....	Elm, east.....	14										
Orange.....	Walnut to Beech.....	305					1					1
Pearl.....	Elm, east.....		65					1				
Pennacook..	Elm, west.....	60					1					1
Prospect....	Beech to Russell.....	972					2					5
River Road.	Elm, southwest.....	102					1					1
Webster.....	100 ft. w. of Elm to Chest..	775					2					2
Spruce....	Maple to Lincoln.....	512	105									1
		512	4582	65	2067	4527	17	1	1	2		19

Number miles iron pipe laid in 1876, $2\frac{621}{3280}$

Number miles cement-lined pipe laid in 1876, $\frac{512}{5280}$

Total number miles laid in 1876, $2\frac{1133}{3280}$

Cement-lined pipe has been taken up and cast-iron laid in its place at the following places :

Park street, corner Elm, 104 feet 20 inch pipe.

Elm street, foot of Park, 40 feet 14 inch pipe.

Depot street, corner Elm, 24 feet 14 inch pipe.

Main street, corner Ferry, 60 feet 10 inch pipe.

Ferry street, corner Main, 15 feet 12 inch pipe.

Clinton street, corner Main, 30 feet 6 inch pipe.

Elm street, corner Cove, 48 feet 14 inch pipe.

One 4 inch gate and 4 feet cement-lined pipe taken out on Elm corner Depot.

SCHEDULE OF PIPES LAID TO DECEMBER 31, 1876.

STREETS.	Length and size of cement-lined pipe laid.						Cast-iron pipe laid.					
	20 inch.	14 in.	12 in.	10 in.	8 in.	6 in.	4in.	20in	14in	12in	8 in.	6 in.
Cast iron bell F. M.	1419.0											
F. M. com. joint...	6751.9					123						
Supply main.....	8410.0			24		126						
Adams.....												98
Appleton.....												837
Amherst.....						4513						
Arlington.....						1402						
Ash.....						750						
Ashland.....				334½								
Auburn.....						2002						
Bedford.....					202	590						
Beech.....		4055			37	18				867		
Birch.....						501						
Blodgett.....						1518						16
Bridge.....					793	3899						
Brook.....						2282						539
Canal.....		200			4620	43						
Cedar.....						2512						
Central.....					181	4206						
Chestnut.....					1527	1198	1931					
Concord.....						3308						
Church.....							147					
Dean.....						60						55
Depot.....		811				29			24			
Dutton.....						471						
Elm.....		5544	318		89	35			4615	1140		26
Franklin.....						21	519					
Granite.....		370				191						
Grove.....						59						
Green.....						59						
Hanover.....				106¼		5304						
Harrison.....						1525						11
High.....							858					
Hollis.....						408						53
Kidder.....						750						
Kidder Court.....						57	249					
Langdon.....						64						55
Laurel.....						4062						
Lowell.....			3524		32	45						
Manchester.....						4080						
Maple.....						1116						
Market.....						962						
Mechanic.....						788						
Merrimack.....					1043	4929						
Middle.....						768						
Myrtle.....						2719						14
Nashua.....							57					
North Private way.....						231						
Orange.....						1784						305
Park.....	4354.0					45		104				
Pennacook.....												60
Pearl.....					947	1699					65	
Pine.....					3195	877						
Pleasant.....						1076						
Prospect.....						1497						972
River road.....												102
Spring.....						752						
Spruce.....						2888						105
Stark.....						874						
State.....						877						
Summer.....						59						
Union.....						651	319					
Valley.....			503			69						
Vine.....							340					
Walnut.....						702	960					
Washington.....							351					
Water.....						736						
Webster.....												775
Wilson.....				1349		10						
Willow.....							550					
Young.....						283						
Total.....	20934.9	6925	8400	1813¾	12666	72432	6752	104	4639	2007	65	4023

SCHEDULE OF PIPES AND FIXTURES LAID TO DECEMBER 31, 1876,
IN PISCATAQUOG.

STREETS.	Length and Size of Cement-Lined Pipe laid.			Length and Size of Cast-Iron Pipe laid.		
	10 in.	6 in.	4 in.	12 in.	10 in.	6 in.
A.....		70				
Barr.....			260			
Bowman.....		851				
Centre.....		442				544
Clinton.....		533				30
Douglas.....		1908				
Dover.....			622			
Ferry.....						
Granite.....		2484				15
Green.....			260			
Main.....	3682	10			168	
Mast.....		1480				
Milford.....		912				
Piscataquog.....		827	20			
Quincy.....			260			
River.....			240			
School.....		59				
Second.....		568				12
Third.....		20				48
Walker.....		308				
West.....		210	536			
Supply Main to 'Squog, on Cove, Second and Ferry.....				3300		24
Total.....	3682	10682	2198	3300	168	673

GATES AND HYDRANTS SET TO DECEMBER 31, 1876.

STREETS.	Gates Set.							Air v'lv's.	Hy- dr'ts.
	20 in.	14 in.	12 in.	10 in.	8 in.	6 in.	4 in.		
Force Main	1					2		2	1
Supply Main.....	1			1		5		1	4
Adams.....						1			1
Appleton.....						2			2
Amherst.....						5			10
Arlington.....						1			3
Ash.....						1			1
Ashland.....									
Auburn.....						2			6
Bedford.....					1	1			3
Beech.....			5		1	2		2	2
Birch.....						1			2
Blodgett.....						1			4
Bridge.....					3	3			13
Brook.....						4			7
Canal.....					3				2
Cedar.....						4			8
Central.....					1	7			11
Chestnut.....					4	3	3		6
Concord.....						3			8
Church.....									
Dean.....						2			2
Depot.....		1				2			2
Dutton.....							1		
Elm.....		7	1		1	4		1	3
Franklin.....							2		1
Granite.....		1				3			2
Grove.....						1			1
Green.....						1			1
Hanover.....						5			10
Harrison.....						1			4
High.....									
Hollis.....						2			3
Kidder.....						2			3
Kidder Court.....						1			1
Langdon.....						2			2
Laurel.....						4			8
Lowell.....			3		1	5			5
Manchester.....						5			8
Maple.....						3			2
Market.....						2			3
Mechanic.....						2			3
Merrimack.....						6			15
Middle.....						1			2
Myrtle.....						3			7
Nashua.....							1		
North Private Wav.....									
Orange.....						2			5
Park.....	3					5		2	5
Pennacook.....						1			1
Pearl.....					1	2			7
Pine.....					6	2			6
Pleasant.....						2			4
Prospect.....						3			8
River Road.....						1			1
Spring.....						2			3
Spruce.....						3			7
Stark.....						2			3
State.....						2			3
Summer.....						1			1
Union.....						1	1		2
Valley.....			1			2			2
Vine.....									
Walnut.....						1	2		2
Washington.....							1		
Water.....						2			2
Webster.....						2			2
Wilson.....				2		1			1
Willow.....							1		
Young.....									1
Total.....	4	9	10	3	21	144	12	8	248

GATES AND HYDRANTS SET TO DECEMBER 31, 1876, IN PISCATAQUOG.

STREETS.	Gates Set.				Hydr'nts.
	12 inch.	10 inch.	6 inch.	4 inch.	
A.....	1	..	1
Barr.....
Bowman.....	1	..	1
Centre.....	2	..	2
Clinton.....	1	..	2
Douglas.....	3	..	6
Dover.....
Ferry.....
Granite.....	4	..	8
Green.....
Main.....	..	5	2	..	2
Mast.....	2	..	5
Milford.....	1	..	3
Piscataquog.....	1	1	2
Quincy.....
River.....
School.....	1	..	1
Second.....	3	..	3
Third.....	2	..	1
Walker.....	1	..	1
West.....	1	..	1
Main to 'Squog, Cove, Second and Ferry.....	2	..	2	1	2
Total.....	2	5	28	1	41

Length of pipe laid of cement-lined and cast-iron of different sizes, as follows:

20 inch cement-lined pipe	20,934.9	ft.
14 " " " "	6,925	"
12 " " " "	8,400	"
10 " " " "	5,405.75	"
8 " " " "	12,666	"
6 " " " "	83,114	"
4 " " " "	8,950	"

Total, 146,485.65 ft.

Equal to $27\frac{3925.65}{3280}$ miles.

20 inch cast-iron pipe,	104	ft.
14 " " " "	4,639	"
12 " " " "	5,307	"
10 " " " "	168	"
8 " " " "	65	"
6 " " " "	4,696	"

14,979 ft.

Equal to $2\frac{4419}{3280}$ miles.

Total of cement-lined and cast-iron, $30\frac{3964.65}{3280}$ miles.

HYDRANTS.

There have been set the past season nineteen (19) hydrants. Six of them are of the Boston Machine Co.'s make, and thirteen are the Pattee & Perkins hydrant, of Holyoke, Mass. The Pattee & Perkins hydrants set in 'Squog were in use most of last winter and spring, on account of a great number of leaks in that section. They have proved very satisfactory and there has been no expenditure for keeping them in repair. The trouble with hydrants that have leather valves is, that if any little gravel stone or piece of cement gets attached to it, it soon drills a hole in the leather and causes it to leak, and it costs from three to four dollars to take one out and replace it.

There are now set two hundred and eighty-nine (289) hydrants.

GATES.

There have been twenty-one (21) gates set the present season, eight (8) of the Ludlow, and thirteen (13) of the Eddy make. Their size and the streets in which they are set will be found in the preceding table.

The total number set is two hundred and forty-one (241), all of which are in good condition.

LOCATION OF HYDRANTS SET 1876.

Adams Street, north-west corner Elm.
 Appleton, north-west corner Elm.
 Appleton, north-west corner Chestnut.
 Brook, north-west corner Beech.
 Dean, north-west corner Elm.
 Elm, north-west corner Salmon.
 Hollis, north-west corner Elm.
 Langdon, north-west corner Elm.
 Orange, north-west corner Beech.
 Pennacook, north-west corner Elm.

Prospect, north-west corner Beech.
 Prospect, north-west corner Ash.
 Prospect, north-west corner Maple.
 Prospect, north-west corner Oak.
 Prospect, north-west corner Russell.
 River Road, north-west corner Elm.
 Spruce, north-west corner Lincoln.
 Webster, north-west corner Elm.
 Webster, north-west corner Chestnut.

SERVICE PIPES.

The contract with J. Q. A. Sargent for laying service pipes expired on the first day of January, 1877.

The number of applications for water, to date, has been thirteen hundred and forty (1,340).

Twelve hundred and thirty-nine (1,239), service pipes have been laid to Dec. 23, 1876, of diameters, number, size and length, as follows :

40	1-2 inch diameter.	Total length,	860 feet, 8 inches.
1,022	3-4 " "	" "	27,570 " 9 "
151	1 " "	" "	4,553 " 4 "
13	1½ " "	" "	720 " 11 "
9	2 " "	" "	456 " 3 "
4	4 " "	" "	117 " 0 "

Total length service pipes in streets, . 34,278 ft. 11 in.

Number miles service pipe in streets to date, $6\frac{2508.02}{5280}$.

Two hundred and forty-nine (249), service pipes have been laid this year, to Dec. 23, 1876. The number, size and length are as follows :

236	3-4 inch diameter.	Length,	5,946 feet, 6 inches.
12	1 " "	" "	388 " 0 "
1	2 " "	" "	40 " 0 "

Total length laid in 1876, . . . 6,374 feet, 6 in.

Equal to 1 mile, 1,094 feet, 6 inches.

Total cost of services laid in 1876, . . . \$4,040.87
 Total cost of services laid to Dec. 23, 1876, \$21,436.89

Water is shut off from thirty-four (34), services. Fourteen services closed for non-payment of bills have been reopened on payment of bills and the fine of two dollars for shutting off and letting on again.

METERS.

There has been an addition of seventeen meters to those of last year, making at the present time (166) one hundred and sixty-six. The kinds and sizes are as follows :

	5/8 inch.	3/4 inch.	1 inch.	Total.
Gem Water-Meter		9	3	12
Union Water-Meter.....	80	52	20	152
Worthington Water-Meter.....	1		1	2
Total.....	81	61	24	166

The income from the sale of water for the year 1876 has been as follows :

Received from water and hydrant rents, less		
abatements,	\$32,220	63
“ “ metered water,	5,698	47
“ “ fines,	150	16
“ “ shutting off and letting on,	30	00
“ “ rent of meters,	607	34
“ “ building purposes,	72	32
“ “ setting 21 meters,	93	00
“ “ extra size of pipe,	3	05
“ “ labor and 3/4 inch stop and waste,	4	50
Total,	\$38,879	47
Abatements,	\$410	38

Classification of accounts for the year 1876 :

Superintendence, collecting and repairs,	\$4,893 00	
Stationery, printing and lithographs,	222 59	
Office and incidental expenses,	349 13	
	<u> </u>	\$5,464 72
Pumping expenses and repairs,	\$1,429 68	
Repairs to dam, canal, penstock and reservoir,	143 65	
	<u> </u>	\$1,573 33
Running expenses for the year ending Decem-		
ber 23, 1876,		\$7,038 05
Service pipes,	4,040 87	
Distribution pipes,	33,903 09	
Fire hydrants and valves,	1,510 34	
Pumping machinery, pump-house, dwelling and barn,	124 20	
Meters, boxes and brass connections,	567 95	
Engineering,	20 00	
Grading and fencing,	973 31	
Tools and fixtures,	87 91	
Land and water rights,	160 00	
	<u> </u>	
Total expended on construction ac-		
count in 1876,		<u>41,387 67</u>
Total expended in 1876,		\$48,425 72

Classification of accounts to Dec. 23, 1876 :

Land and water rights,	\$30,858 67
Dam, canal, penstock and race,	101,198 20
Pumping machinery, pump-house, dwelling and barn,	86,936 40
Distributing reservoir and fixtures,	71,542 36
Force and supply main,	88,674 02
Distribution pipes,	223,141 11
Fire hydrants and valves,	28,988 95
Tools and fixtures,	10,649 35
Boarding and store houses,	919 36
Roads and culverts,	1,756 75
Supplies,	550 39
Engineering,	22,176 19
Livery and traveling expenses,	2,856 64
Legal expenses,	563 79

Grading and fencing,	10,885 43	
Service pipes,	21,436 89	
Meters, boxes and brass connections,	5,657 53	
Total construction account to Dec. 23, 1876,		\$708,792 03
Superintendence, collecting and repairs,	\$14,355 53	
Stationery, printing and lithographs,	3,241 57	
Office and incidental expenses,	1,682 68	
Pumping expenses and repairs,	4,341 16	
Repairs to dam, canal, penstock and reservoir,	143 65	
Total of current expenses to Dec. 23, 1876,		\$23,764 59
Interest,	\$40,678 51	
Highway expenditures,	14,000 53	
		<u>\$54,679 04</u>
Total amount of bills approved to Dec. 23, 1876,		\$787,235 66
Interest, discounts and labor performed on high- way transferred, and tools and materials sold,		<u>\$57,227 05</u>
Total cost to date, not including inter- est,		\$730,008 61
Interest and discount to Jan. 1, 1877,		<u>128,452 51</u>
Total cost, including interest,		\$858,461 12

The following amounts have been paid over to the City Treasurer, and credited to the water-works :

1872, Supplies and materials sold,	\$573 61
1873, " " " "	177 07
1873, Accrued interest on water- bonds sold,	193 26
1873, Accrued interest on State bonds sold,	146 00
1873, Water rents, 1873,	1,920 53
1874, Supplies and materials sold,	607 89
March 17, 1874, Highway expenditures, trans- ferred from water-works account,	14,000 53

March 17, 1874,	Interest and discount, transferred from water-works account,	12,347 25
Sept. 1, 1874,	Interest and discount, transferred from water-works account,	22,361 74
1874,	Water and hydrant rents,	30,233 54
Dec. 29, 1874,	Interest transferred,	4,566 25
Dec. 18, 1875,	1 anvil sold,	15 00
Sept. 25, 1875,	Engine, crusher and other material,	2,089 45
1875,	Water and hydrant rents,	27,119 15
May 20, 1876,	1 derrick sold,	125 00
May 20, 1876,	Rent of derrick,	24 00
1876,	Water and hydrant rents,	38,679 47
	Total,	<u>\$155,179 74</u>
	Amounts appropriated to Dec. 23, 1876,	640,000 00
	Total received to date,	<u>\$795,179 74</u>
	Deduct bills approved to date,	787,236 16
	Balance on hand Dec. 23, 1876,	<u>\$7,943 58</u>

Amount of bills approved to date :

Amount bills approved in 1871,	\$1,723 06
“ “ “ “ 1872,	245,870 66
“ “ “ “ 1873,	294,609 02
“ “ “ “ 1874,	146,515 40
“ “ “ “ 1875,	50,091 80

Totals of monthly bills in 1876 :

January,	\$2,976 32
February,	3,959 57
March,	755 87
April,	781 06
May,	7,710 02
June,	1,492 97
July,	7,174 98
August,	5,897 68

September,	4,721 94	
October,	5,678 71	
November,	5,120 26	
December,	2,156 34	
		<u>\$48,425 72</u>

Total amount of bills approved to December 23, 1876, \$787,235 66

Statement showing the uses of water as supplied to December 23, 1876 :

PUBLIC BUILDINGS.

1 Jail.	1 City Hall and offices.
8 Churches.	1 City Library.
6 School-houses.	3 Banks.
1 Court-house.	4 Fire engines.
2 Hose companies.	1 Hook-and-Ladder.
1 Opera House.	5 Hotels.
1 Convent.	1 Odd Fellows' building.
1 Music Hall.	1 Holly Tree Inn.
1 Post Office.	

MANUFACTURING ESTABLISHMENTS.

1 Iron foundry.	1 Brass and copper foundry.
2 Dye houses.	1 Sash and blind shop.
1 Machine shop.	3 Breweries.
2 Patent medicine manufact'y.	1 Shoe manufactory.
3 Clothing manufactories.	1 Pop-corn manufactory.
2 Furniture manufactories.	1 Trunk and harness.
1 Harness shop.	1 Gas Works.

MARKETS.

5 Fish.	3 Meat and fish.
8 Meat.	

OFFICES.

3 Dentist.	2 Express.
50 Professional.	6 Printing.

SHOPS.

14 Barber.	2 Curryng.
1 Wheelwright.	3 Plumber.
5 Blacksmith.	1 Steam, gas and water pipe.
1 Carpenter.	1 Soap manufacturing.

STABLES.

128 Private.	11 Livery.
--------------	------------

SALOONS.

7 Dining.	5 Billiard.
4 Oyster.	53 Liquor.

STORES.

1 Auction.	1 Tea store.
10 Drug.	30 Groceries.
5 Jewelry.	1 Meal.
3 Wholesale liquor.	3 Hardware.
1 Fur.	7 Boot and shoe.
1 House furnishing goods.	3 Stove.
15 Fancy goods.	3 Gents' furnishing goods.
1 Wholesale paper.	2 Book.
4 Dry goods.	1 Leather and shoe finders.
3 Candy.	2 Music.
2 Crockery.	2 Upholstery.

MISCELLANEOUS.

1 Bleachery.	2844 Families.
1 Laundry.	3586 Faucets.
3 Drinking fountains.	1 Band room.
2 Ice houses.	3 Club rooms.
9 Private fire hydrants.	7 Bakeries.
1 Greenhouse.	7 Stationary engines.
1 Cigar.	8 Photographers.
63 Boarding-houses.	1 Portable engine.
143 Wash tubs.	289 Fire Hydrants (Public).

399 Wash bowls.	5 Water trough.
367 Water closets.	633 Sprinklers.
65 Urinals.	411 Horses.
144 Bath tubs.	17 Oxen and cows.

Respectfully submitted,
 CHARLES K. WALKER,
Superintendent.

GATES, HYDRANTS, METERS, ETC., ON HAND.

GATES ON HAND.

1 4 in. Chapman spigot.	2 10 in. Boston Machine Co. spigot.
1 4 " Eddy spigot.	
3 4 " Boston Machine Co. spigot.	5 12 " Boston Machine Co. spigot.
1 6 " Chapman spigot.	1 12 " Ludlow spigot.
1 6 " Eddy bell.	1 14 " Boston Machine Co. spigot.
1 6 " Ludlow spigot.	
1 6 " Boston Machine Co. spigot.	1 20 " Boston Machine Co. spigot.
1 8 " Eddy bell.	

HYDRANTS ON HAND.

1 Boston Machine Co.	1 Pattee & Perkins.
----------------------	---------------------

METERS ON HAND.

1 3-4 in. Desper.	1 1-2 in. Gem.
2 3-4 " Gem.	8 5-8 " Union Water Meter Co.
1 1 in. Union Water Meter Co.	1 3-4 " Union Water Meter Co.

PIPE AND BRANCHES ON HAND.

253 ft. 20 in. cast-iron pipe.	2 6 inch plugs.
63 " 14 " " "	1 14 inch plug.
202 " 12 " " "	2 24 inch cast-iron domes.
36 " 8 " " "	2 15 inch cast-iron domes.
7 " 6 " " "	2 double 6 on 14 branch.

6 20 inch sleeves.	3 double 6 on 12 branch.
2 14 " "	1 double 6 on 12 branch.
4 12 " "	3 single 12 on 14 branch.
1 10 " "	3 single 6 on 14 branch.
6 8 " "	2 single 6 on 12 branch.
7 6 " "	7 single 6 on 6 branch.
1 14 " quarter turn.	1 single 8 on 14 branch.

INVENTORY OF FURNITURE, ETC., IN OFFICE.

8 drawing boards.	1 level.
1 wardrobe.	3 transit rods.
1 transit.	1 roll mounted paper.
1 level rod.	2 quires drawing paper.
1 copying press.	1 lot fuel.
1 roll manilla paper.	1 book-case.
1 roll tracing muslin.	1 table.
2 drawing tables.	1 12 inch pressure gauge.
1 library desk.	1 6 inch pressure gauge.
2 waste baskets.	1 bill stamp.
1 6-foot pole.	3 ink-stands.
3 stools.	1 lot of drawing.
1 duster.	1 safe.
1 map of city.	1 directory.
1 map of city (framed).	1 pair scissors.
1 bottle ink.	1 eraser.
1 case of drawers.	1 lot of reports.
1 stove.	

SUPPLIES AND TOOLS BELONGING TO THE SERVICE DEPARTMENT.

1 sledge hammer.	2 wood clamps.
6 striking hammers.	1 pair calipers.
2 stone hammers.	1 chain fall.
3 caulking hammers.	9 wrenches for gates.
3 handle cold chisels.	5 hydrant wrenches.
10 caulking tools.	2 monkey wrenches.
2 mauls.	8 special wrenches.
2 chains for hoisting.	1 machine hammer.
2 3 pole derricks.	5 lanterns.
1 4 " "	1 pair punches.
2 sets pulley blocks and ropes.	1 pair long punches.

- 6 extra poles for derrick.
 1 furnace and kettle.
 68 lbs. lead.
 1-2 barrel clay.
 22 lbs. gasket.
 2 tool boxes.
 2 iron bars, 6 feet long.
 3 " " 5 " "
 1 " " 4 " "
 24 picks and handles.
 1 lot old picks.
 6 R. P. shovels (good).
 14 R. P. shovels (poor).
 2 iron snow shovels.
 2 wood snow shovels.
 6 drills, 1 5-8 diam., 4 ft. 4 in.
 3 " " " 3 " 9 "
 1 " " " 4 "
 6 " " " 3 "
 4 " 1 1-8 " 3 "
 1 " " " 3 " 9 in.
 4 " 1 3-8 " 2 " 9 in.
 5 " " " 2 " 6 in.
 2 " " " 1 " 10 in.
 1 " 1 " 2 " 6 in.
 18 plug drills,
 7 wedges and shims.
 3 spoons.
 2 lead ladles.
 2 bench axes.
 2 nail hammers.
 1 brad-awl.
 1 iron clamp.
 1 shave.
 2 try squares.
 1 gimlet.
 2 gimlet bits.
 5 gouges, 1-4 to 3-4 inches.
 10 bits, 1-4 to 5-8.
 1 1-inch auger.
 4 gauges (wood).
 2 iron squares.
 1 wheelbarrow.
 13 cold chisels.
 1 dark lantern.
 4 screw drivers.
 1 water pail.
 1 door chisel.
 2 nail sets.
 1 mallet.
 1 plow and 6 irons.
 3 hand saws.
 1 small back saw.
 1 iron saw.
 1 smoothing plane.
 1 F. plane.
 1 short jointer.
 1 long jointer.
 1 set match planes.
 18 moulding tools.
 mortise chisels, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, $1\frac{1}{2}$ inch.
 5 chisels (paring $\frac{1}{4}$ to $1\frac{1}{2}$ inch.)
 1 trowel.
 3 drills for iron.
 1 washer cutter.
 1 vise.
 1 die plate.
 6 die R. & L. from $\frac{1}{2}$ to 1 inch.
 6 taps R. & L. from $\frac{1}{2}$ to 1 inch.
 2 bushings $\frac{3}{4}$ to $\frac{1}{2}$. for die plate.
 1 pipe cutter.
 3 extra cutters.
 1 file.
 2 saw files.
 18 large meter boxes.
 7 small meter boxes.
 2 coal hods.
 1 wood stove.
 2 brooms.
 1 glass cutter.
 1 meter spanner.
 50 feet 1 inch rubber hose.
 19 square slop box covers.
 1 watering pot.

1 side packing leather.	1 3 cu. ft. measure.
1 long handle spade.	1 platform scale.
1 spoon shovel.	1 6 inch gauge.
20 hydrant packing.	1 20 inch brass spindle.
6 tamping tools.	1 14 inch brass spindle.
50 hydrant nuts for cap.	5 6 inch brass spindles.
1 iron kettle.	1 wood saw.
1 tea-kettle.	2 prick punches.
1 1-2 bushel basket.	1 lot brass nipples.
11 hydrant covers (wood).	7 3-4 inch stop and waste.
4 wood stop boxes.	1 3-4 inch corp. stop.
1 kerosene barrel.	2 1 inch stop and waste.
40 feet 1-4 inch pipe (iron).	11 1 inch curb stops.
20 " " " " (lead).	1 3-4 inch curb stop.
1 iron brand, M. W. W.	1 1-4 inch curb stop.
50 feet of wire.	1 lot pipe fittings.
3 hydrant nuts for rods.	6 collars for hydrants.
1 bevel square.	4 caps for hydrants.
9 hydrant rods.	1 chain for hydrants.
50 1-2 inch cap (for services).	2 iron rimmers.
21 stop covers (old).	1 trace ratchet.
10 " " (new).	1 ice chisel.
1 lot of gate covers.	4 stop wrenches.
1 lot tallow.	1 lot old pipe.
4 lbs. waste.	6 stone points.
1 lot hemp packing.	2 extension bits.
7 gate wrenches.	15 hydrant valves.
1-2 paper screws.	2 pair pipe tongs.
1 lamp.	1 pair chain tongs.
1 heating furnace.	1 pair blacksmith's tongs.
1 lot of iron for furnace.	1 ratchet driller.
2 oil stoves.	2 meter wrenches.
4 oil cans.	1 road roller.

INVENTORY OF TOOLS AT PUMPING STATION.

1 scoop shovel.	1 pair pliers.
4 common shovels.	1 wire cutter.
1 desk.	1 boat.
1 one-inch auger.	1 set steps.
6 lanterns.	½ bbl. oil.

1 sprinkler pot.	200 lbs. waste.
1 clock.	50 lbs. tallow.
2 planes.	60 lbs. black lead.
2 thermometers.	1½ cords wood.
4 crow-bars.	15 tons coal.
1 bellows and anvil.	2 ice chisels.
3 pipe wrenches.	6 cold chisels.
1 window brush.	2 hammers.
1 gate wrench.	3 drip-pans.
1 long key.	2 lbs. hemp packing.
1 hydrant wrench.	1 draw shave.
2 wheel-barrows.	1 basket.
1 five-pail kettle.	6 pair rubber boots.
3 picks.	½ bbl. sperm oil.
1 grind-stone.	1 bench.
1 clothes-dryer.	2 levels.
2 ladders.	1 ratchet wrench.
2 stoves.	1 waste press.
2 coal-hods.	1 Scotch driller.
1 coal-sifter.	2 screw plates, taps and dies.
1 iron slush bucket.	1 vise.
4 fork wrenches.	200 ft. ¾-inch hose.
2 screen rakes.	

INVENTORY OF CONSTRUCTION TOOLS AT DAM.

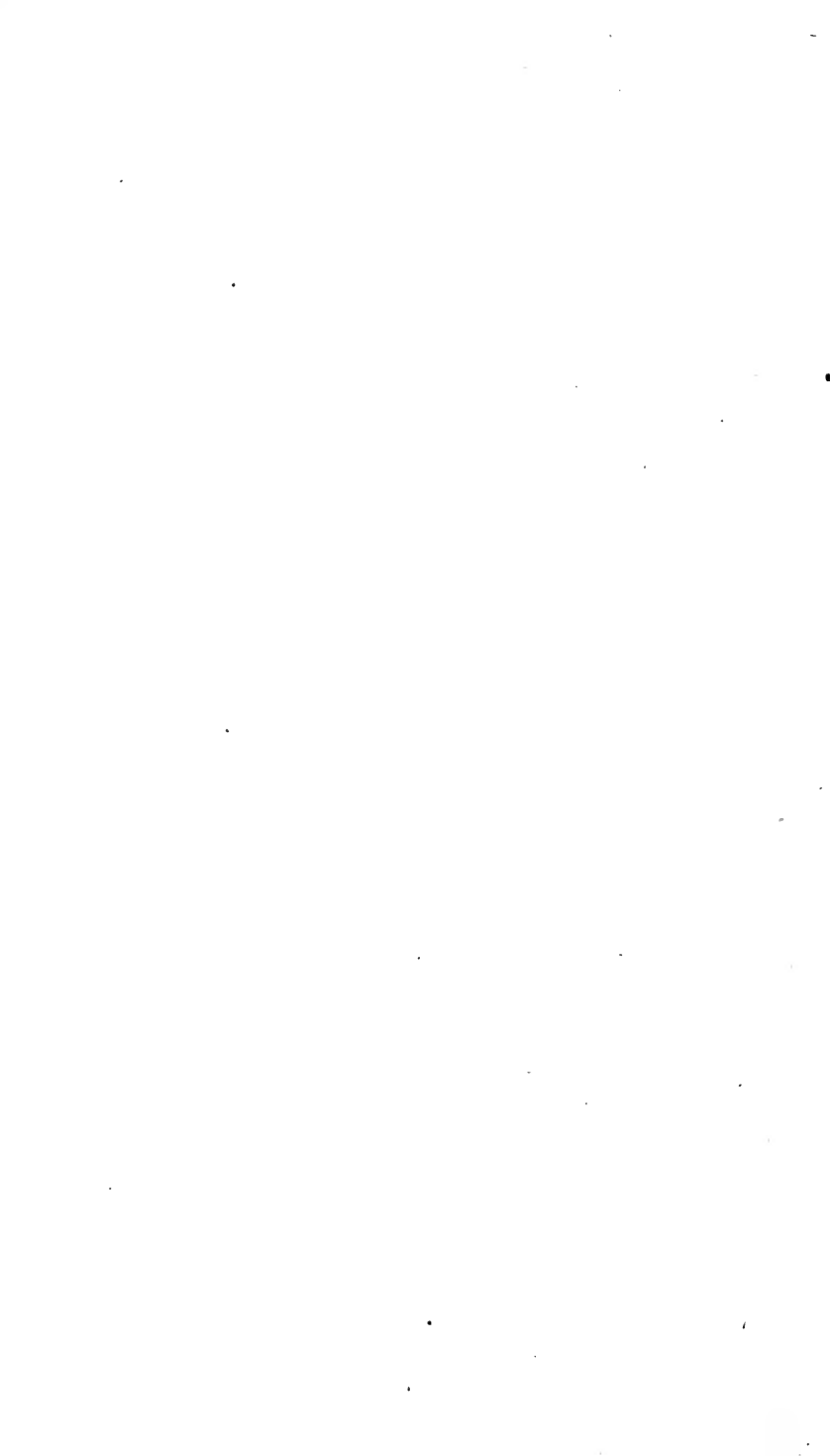
2 full trimmed derricks.	4 mortar hoes.
35 wheel-barrows.	1 anvil.
3 iron rakes.	2 iron shovels.
1 wrought-iron plow.	150 feet hose.
7 forks.	1 No. 5 and 1 No. 3 plow.
4 set dog chains.	3 grub hoes.
1 set blacksmith tools.	4 bush scythes.
10 pc's Scotch sewer pipe.	2 axes.
1 force pump.	4 cable chains.
1 bill hook.	1 set bellows.
1 clevis and pin.	4 water pails.
1 harrow.	3 snaths.
1 timber roll.	10 mason's hods.
8 sprinkler pots.	1 lot lumber.

FIRE DEPARTMENT.

REPORT

OF THE

CHIEF ENGINEER.



REPORT OF THE CHIEF ENGINEER.

To His Honor the Mayor, and Gentlemen of the City Councils :

GENTLEMEN:—In compliance with the City Ordinances for the government of the Manchester Fire Department, I have the honor to submit herewith the following annual report of the affairs of the department for the year ending December 31, 1876, with a statement of its labors during the year, and such other matters pertaining to its general management as occur to me.

This has been a most fortunate year in the small number of fires that have occurred. Seldom, if ever, in the history of the city, have the losses caused thereby been so small. This is mainly accounted for by the efficiency of the department and our ample water supply.

The following is the effective force of the department at present, being the full complement :

- 1 Chief Engineer and 4 Assistants.
- 4 Steam Fire Engines—14 men for each and 6 horses.
- 1 Hook and Ladder Truck—30 men and 1 horse.
- 1 Hose-Carriage—15 men and 1 horse.
- 1 Four-Wheeled Hand Hose Carriage, 12 men.
- 1 Supply Wagon, 1 man and 1 horse.
- 1 Four-Wheeled Hand Hose-Carriage.
- 2 Two-Wheeled Hose-Carriages, one of which is located at P. C. Cheney & Co.'s Paper Mill, at Amoskeag, and

the other at Goffe's Falls. These carriages are manned by men employed at the works where they are located

Some changes have taken place in the membership of the department during the year, but the full complement of members has been maintained throughout.

The department has been called out during the year 25 times to fires and alarms. I am glad to state that no very destructive fire is to be reported in this number.

Annexed herewith is a list of alarms, fires, losses, &c.

I am pleased to state that no member of the department has lost his life, nor, with but one exception, met with any serious accident in the discharge of his duty during the year.

The following new hydrants have been erected by the Board of Water Commissioners during the year :

Adams street, north-west corner of Elm.

Appleton street, north-west corner of Elm.

Appleton street, north-west corner of Chestnut.

Brook street, north-west corner of Beech.

Dean street, north-west corner of Elm.

Elm street, north-west corner of Salmon.

Hollis street, north-west corner of Elm.

Langdon street, north-west corner of Elm.

Orange street, north-west corner of Beech.

Pennacook street, north-west corner of Elm.

Prospect street, north-west corner of Beech.

Prospect street, north-west corner of Ash.

Prospect street, north-west corner of Maple.

Prospect street, north west corner of Oak.

Prospect street, north-west corner of Russell.

River Road, north-west corner of Elm.

Spruce street, north-west corner of Lincoln.

Webster street, north-west corner of Elm.

Webster street, northwest corner of Chestnut.

These hydrants, with those previously erected, provide

the thickly settled part of the city with such ample water facilities as to greatly reduce the dangers to be apprehended from fires, and should proportionally decrease the risks of fire insurance. The north end of Elm street and Bakersville, hitherto exposed from an insufficient supply of water, are now comparatively well provided for.

I would recommend the purchase of, at least, 2000 feet of good hose for contingent use, as the hose now in service will not stand the pressure required at times. One thousand feet was bought during the year, and more would have been procured had the appropriations allowed it.

APPARATUS.

The apparatus is in perfect working order. During the year the Amoskeag No. 1, an old and well-worn machine, has been replaced by a new one of superior capacity, which has materially added to the efficiency of the department.

The old four-wheeled hand hose-carriage formerly used by the Pennacook Hose Company, and which has been out of service several years, I had re-painted and otherwise repaired, and located it at the house of the E. W. Harrington Company, in Piscataquog, as the arrangements for horses for this engine are such, that in many instances considerable time must elapse after an alarm is sounded before it can be brought to the scene of the fire, and at such times the hose-carriage may be made to render very valuable service.

I would recommend the reduction of the membership of the Hook and Ladder Company from the present number, 30, to one-half that number, and also the addition of a second horse for drawing the truck to fires, as no single horse can at all times be depended upon to reach the scene of fire as soon as needed. There is no reason why the Hook and Ladder truck should not reach a fire nearly as quickly as

an engine, and, with another horse and proper calculation, this can be done. Frequently it happens that a ladder is the first thing needed at a fire, hence the importance of having this matter promptly attended to.

I would particularly recommend that a hand hose-carriage, with complete accompaniments, be procured and located at the south end of the city, in the vicinity of Park, Spruce, Cedar, or Auburn and Elm streets, as many of the largest wooden tenement blocks in the city are located in that section, aside from the various mechanical and other industrial establishments which abound and are continually multiplying there. It is a measure of protection that the people of that part of the city have a right to expect. The membership can be readily enrolled from the employees of the several workshops in the neighborhood. This need not necessarily entail additional expense to the city if the suggestion in regard to decreasing the membership of the Hook and Ladder Company be carried out.

BUILDINGS.

I would unhesitatingly recommend the erection of a new engine house on Vine street, as the present accommodations are wholly inadequate for the wants of the department.

FIRE ALARM TELEGRAPH.

The fire alarm telegraph is now in good condition. It has given entire satisfaction during the year, and has fully realized all that its advocates claimed for it. It is a most important auxiliary to the fire department. Accidents have interfered with its workings several times, but, fortunately, did not hinder its operation when needed. No material alterations have been made in it during the year. Were I to suggest any, it would be to change the insulators from the house-tops, where they are now located, to poles erected

for the purpose. This change would greatly facilitate the discovery of breaks and grounds that may occur, and enable the superintendent to readily repair them, as this work must be done at night frequently, when it is almost impossible to gain admittance to the buildings, and dangerous to ascend to their roofs.

FIREMEN'S RELIEF ASSOCIATION.

This association, like all else connected with the department, has been fortunate during the year, having but one call for a benefit from its funds. James R. Carr, a member of Amoskeag Engine Company No. 1, was seriously injured while in the discharge of his duty. This is the only casualty that occurred during the year.

Secretary's Report.

Cash on hand December 31, 1875	\$755 14
Received from Secretary	17 00
Dividend	34 43
	<hr/>
Total receipts	\$806 57
Paid for by laws	\$14 50
Paid for postal cards	1 75
Paid secretary's salary	25 00
Paid James R. Carr	56 00
	<hr/>
	97 25
	<hr/>
Balance on hand	\$709 32

CONCLUSION.

In conclusion, I would return my thanks to his Honor, the Mayor, for the many courtesies shown me during the year: to the several gentlemen of the city government with whom my official relations brought me in contact, particularly the Committee on Fire Department and the Su-

perintendent of Streets: also to the Police Department, for promptness and efficiency at all times, and to the citizens generally, for the kindly interest they have always manifested in the welfare of the department.

I can heartily commend the discipline of the department, which, I think, was never better, and for which I return thanks to my assistant engineers; to the foremen of the several companies, and to each member of same, all of whom were prompt to obey all orders; to each and all of whom, in a measure, is due the successful and creditable management of the department during the year, and of which the citizens of Manchester have just cause to feel proud.

J. F. PHERSON,

Chief Engineer Manchester Fire Department.

Manchester, N. H., Dec. 31, 1876.

ALARMS, FIRES, LOSSES, &C., FOR THE YEAR 1876.

1.—January 13—alarm box 7; chimney burned out on Church street.

2.—January 16—alarm box 71; cottage house at 187 Central street, owned by Mrs. Connor; loss, \$260; fully insured.

3.—January 22—alarm box 51; fire at Lowell's Foundry; loss trifling.

4.—January 26—alarm box 4; chimney burned out on Central street; no damage.

5.—January 31—alarm box 5; fire on Hanover street, between Pine and Union; no loss.

6.—February 3—alarm box 4; fire in building owned by H. G. Connor and others; loss, \$141.75; insured.

7.—February 13—alarm box 5 ; fire in house, 52 Merri-
mack street, owned by Luther W. Hall : loss not ascer-
tained, but in the vicinity of \$200, should judge.

8.—February 13—second alarm from same fire, struck
from box 21 ; no damage.

9.—February 14—alarm box 6 ; fire at Pittsfield, N. H. ;
sent Amoskeag S. F. E. No. 1 and Assistant Engineers Sul-
livan and Dodge to their relief.

10.—February 24—alarm box 8 ; chimney burned out in
Myrtle block : no damage.

11.—April 7—alarm box 41 : fire at 102 Amoskeag cor-
poration : loss, \$75 ; insured.

12.—May 3—alarm box 4 ; fire in rear of 66 Park
street, owned by Connor & Dee ; loss, \$170 : fully insured.

13.—May 23—alarm box 53 ; fire in McDerby & Gar-
vin's pipe shop, Piscataquog : loss, \$700 ; insured for \$410.

14.—June 10—alarm box 4 : fire in house 73 Cedar
street, owned by B. P. Burpee : loss trifling.

15.—June 12—alarm box 6 : fire in barn rear of 191
Manchester street : no loss.

16.—June 27—alarm box 62 : fire in Mammoth Cottage,
Manchester Center ; struck by lightning.

17.—July 15—alarm box 4 ; fire in John Ryan's store,
Park street rear Elm : Ryan's loss, \$3,000 ; insured for
\$1,500 on stock : damage to building, \$620 ; covered by in-
surance. Loss on Mrs. Cary's buildings adjoining Ryan's,
\$350 ; fully insured.

18.—July 21—alarm box 17 ; fire in Wilson Brothers'
store, corner of Lowell and Maple streets : loss slight,
amount not ascertained.

19.—August 6—alarm box 61 ; fire in red house, Ba-
kersville, owned by Gas Company ; loss, \$783.50 : fully in-
sured.

20.—August 28—alarm box 25 ; fire in Dr. Adams'
house, 440 Hanover street : loss, \$2,000 ; fully insured.

21.—August 29—alarm box 6; fire in peat meadow, west of J. P. Eaton's, on Massabesic road; loss, if any, not ascertained.

22.—September 5—alarm box 27; fire in closet of house owned by Lawrence Dowd, on Merrimack street, between Elm and Chestnut; no loss.

23.—October 14—alarm box 4; fire in Mrs. Cary's barn, rear of 45 Park street; loss, \$250; insured. Patrick Doyle's barn, adjoining, burned; loss, \$300; no insurance. Rear of John Ryan's building, damage \$81; insured. Jeremiah Cronin's barn, rear Spruce street: damage, \$30; insured.

24.—December 10—alarm box 6; chimney burned out in house owned by Lawrence Dowd, Amherst street; no damage.

25.—December 18—alarm box 4; chimney burned out in house, No. 44 Park street; no damage.

Total loss during the year 1876	.	.	\$8,961 25
Total insurance on property burned	.	.	6,871 25
Total loss not covered by insurance	.	.	<u>\$2,090 00</u>

NUMBER AND LOCATION OF ALARM BOXES AND KEYS.

No. 3—Blood's lower shop. Keys at E. P. Johnson & Co.'s Office and Samuel Colby's residence, corner of Elm and Young streets.

No. 4—Cor. Elm and Spruce streets. Keys at National Hotel and Campbell & Hunt's Drug Store.

No. 5—City Hall. Keys at City Marshal's Office and Hall's Drug Store.

No. 6—Engine House, Vine street. Key at Engine House.

No. 7—City Hotel. Keys at City Hotel and A. F. Perry's Drug Store.

No. 8—Elm, foot of Orange street. Keys at Jones & Hardy's Grocery, Josiah Stark's Saloon and George Griffin's.

No. 9—Cor. of Elm and Webster streets. Keys at residences of Mrs. S. F. Stanton and Mr. Connolly, in same house.

No. 12—Blood's Shop. Keys private.

No. 13—Cor. Brook and Chestnut Streets. Keys at residences of Lewis Simons and W. Jencks.

No. 14—Cor. Prospect and Union streets. Keys at residences of W. Ireland and N. L. Hardy.

No. 15—Cor. of Pearl and Chestnut streets. Keys at residences of Chas. Palmer and J. Wilson.

No. 16—Cor. of Lowell and Union streets. Keys at residences of Rev. J. O'Brien and R. H. Hassam.

No. 18—Cor. of Manchester and Maple streets. Keys at residences of H. E. Stevens, Andrew W. Baker and E. P. Richardson.

No. 21—Cor. of Merrimack and Pine streets. Keys at A. Mallard & Son's Grocery, and residence of J. A. Emerson.

No. 23—Cor. of Central and Beech streets. Keys at residences of E. T. James and Mrs. Josiah Stevens.

No. 24—Cor. of Massabesic and Park streets. Keys at residences of R. W. Flanders and Milton A. Abbott.

No. 25—Cor. of Hanover and Ashland streets. Keys at residences of S. L. Fogg and Horace Gordon.

No. 26—Cor. of Bridge and Russell streets. Keys at McCrillis & Son's Carriage Shop and residence of Joseph Tuck.

No. 27—Cor. Elm and Merrimack streets. Keys at

Manchester House and Tebbetts Bros.' and Weeks & Currier's Drug Stores.

No. 31—Amoskeag Village. Keys at Cheney & Co.'s Paper Mill and residence of J. M. Varnum.

No. 32—Langdon Mills, corner of Canal and Brook streets. Keys at Watch Room and Hoyt & Co.'s Paper Mill.

No. 34—Mechanics Row. Keys at Watch Room and W. W. Hubbard's Office.

No. 35—Stark Mills. Key at Watch Room.

No. 36—Cor. of Amherst and Belmont streets. Keys at residences of Rodney Porter and James L. Campbell.

No. 41—Amoskeag Mills. Key at Watch Room.

No. 42—Manchester Mills. Key at Watch Room.

No. 43—Namaske Mill. Key at Watch Room.

No. 51—S. C. Forsaith & Co.'s Shop. Keys at S. C. Forsaith & Co.'s Office and Freight Depot.

No. 52—Barr's Block, 'Squog. Keys at Barr & Clapp's Store and Merrimack House.

No. 53—Wallace's Brewery. Keys at Wallace's Brewery Office and I. R. Dewey's Store.

No. 61—Cor. Elm and Hancock streets, Bakersville. Keys at residences of M. O'Neil and H. W. Longa.

No. 62—Massabesic street, Hallsville. Key at residence of Chas. Chase.

No. 72—Cor. Cedar and Pine streets. Keys at residences of T. Collins and Daniel S. Lehan.

Also, keys in the hands of the regular police.

The true time from Cambridge Observatory will be given at 12 1-2 o'clock P. M., precisely, each day, and will be denoted by one stroke of the fire bells.

INSTRUCTIONS TO KEY-HOLDERS AND CITIZENS.

1. Upon the discovery of a fire, notice should be immediately communicated to the nearest alarm box, keys to which are in the hands of all regular police, also of the persons designated by the card on each box.

2. Key-holders, upon the discovery or positive information of a fire, will unlock the box, pull the hook down once as far as they can (without jerking), and then let go. Shut the door and remove the key.

3. All persons giving fire-alarms are requested to remain by the box a moment and if no clicking is heard in the box pull again; if you still hear no clicking go to the next nearest box and give the alarm from that.

4. Never signal for a fire seen at a distance. Never touch the box except to give an alarm of fire. Be sure the box is locked before leaving it. Give an alarm for no cause other than an actual fire. Do not give an alarm for a chimney fire.

5. Never let the keys go out of your possession unless called for by the Chief Engineer. If you change your residence or place of business where the keys are kept, return the keys to the same officer.

6. Owners and occupants of buildings are requested to inform themselves of the location of the alarm boxes near their property, also the places where the keys are kept. Be sure the alarm is promptly and properly given.

7. Alarms will be sounded upon all the fire bells in the city, and the number of a box will be given four times for an alarm.

8. One stroke of the bells and gongs given by the Engineer in charge during a fire will be the signal to discharge all companies remaining at their engine-houses. Two strokes of the bells and gongs at a fire will be a signal for the department to limber up.

The Engineers reserve the right to give one stroke of the bells at any time, and in case of testing the boxes each test will be preceded by one stroke of the bells.

RULES ADOPTED BY THE BOARD OF ENGINEERS.

The following rules were adopted January 10, 1876, with which the Fire Department will strictly comply until otherwise ordered, and will attend alarms as follows:

1. Steamer No. 2 will report for duty at the first alarm on its first and second run; second alarm on its third run.

2. Steamer No. 3 will report for duty at the first alarm to boxes 31, 42, 43, 51, 52 and 53; second alarm to boxes 35 and 41.

3. Steamer No. 4 will report for duty at the first alarm on its first and second run; second alarm on its third run.

4. Steamers 1, 2 and 4, on the first alarm, will cross the river only on the day of their first run; on the second alarm the steamer having its second run will cross.

5. Hook and Ladder Truck and Pennacook Hose No. 1 will respond to the first alarm in all cases.

6. Massabesic Hose No. 2 will respond on first alarm to boxes from 13 to 26 inclusive; also include boxes 9, 62 and 36; on second alarm will respond to all boxes except 52, 53 and 61.

7. At any time when an alarm of fire is struck, the engine or hose carriage that leaves the house first will have the right to lead to the fire. No racing will be allowed, nor any passing by each other, except in case of accident, under penalty of dismissal of the driver from the department.

8. The whole department will respond in all cases on the third alarm.

9. The companies of the department not called at the first alarm will prepare for a start, and hold themselves in readiness for the second and third alarms, and if not needed, one stroke on the bells and gongs, by the engineer in charge at the fire, will be the signal for discharge to all companies remaining at the houses.

10. Two strokes of the bells at a fire, will be the signal to limber-up.

CONDITION OF CISTERNS AND RESERVOIRS.

No.	LOCATION.	Distance to water.		Depth of water.		Sand.	Openings.
		Ft.	In.	Ft.	In.		
1	Elm street, at City Hall.....	8	2	5	2	None.	1
2	Elm street, near Smyth's Block.....	5		5	10	12	2
3	Gate, Mercantile Block.....	1		3		None.	1
4	Corner Chestnut and Hanover streets.....	1	4	2	6	None.	1
5	Haseltine House, Manchester street.....	8		3		6	1
6	Pine, between Manchester and Merrimack streets.....	4	10	5	11	12	1
7	Junction Hanover and Pine streets.....	5		8		None.	1
8	Gate at junction Hanover and Pine streets, feeds Nos. 1, 6, and 9.....						1
9	Corner of Pine and Central streets.....	6		6			2
10	Corner Elm and Myrtle streets, (worthless).....						
11	Lowell, near Nashua street.....	2		7		None.	1
12	Gate, junction of Amherst and Chestnut streets, draws off water on Concord Square.....						1
13	Centre of Tremont Square.....						1
14	Bridge, head of Birch street.....	6	5	4	5	None.	1
15	Corner Chestnut and Orange streets.....	6		4		1 8	1
16	Corner Hanover and Union streets.....	7				3 3	1
17	Corner Laurel and Beech streets, (worthless).....						
18	Corner Walnut and Amherst streets.....	8		2		None.	1
19	Discontinued.....						
20	Gate, Hanover street, feeds No. 5.....						
21	Bakersville, (worthless).....						
22	Piscataquog, near Fradd & Follansbee's store.....	6	4			2	1
23	Piscataquog, north Steam Mill, Squog river.....						
24	Piscataquog, Granite street.....	6	6	5		None.	1
25	Piscataquog, near Bowman Place.....	12		7		None.	2
26	Amoskeag Penstock, P. C. Cheney & Co's yard.....						
27	Amherst, corner Hall street.....						
28	Merrimack, bet. Hall and Wilson streets, (not reliable)....						
29	Corner Amherst and Hall streets.....						
30	Janesville, near J. B. McCrillis & Son's shop.....						
31	Gas Works.....						
32	Brook, south end Elm street.....						
33	Elm back street, on Central street.....						
34	Elm back street, on Park street.....						
35	Elm back street, on Cedar street.....						
36	Amoskeag, near old hotel.....						
	Gate, cor. Hanover and Chestnut sts., feeds Concord Square pond, and Reservoir at Smyth's Block.....						

The following is the estimated value of the property now owned by the city in this department :

AMOSKEAG STEAM FIRE ENGINE COMPANY NO. 1.

LOCATED ON VINE STREET.

1 first-class rotary steam engine and hose carriage	\$4,500 00
100 feet rubber hose	200 00
1500 feet leather hose	2,000 00
Firemen's suits	219 00
Furniture, fixtures, &c.	575 00
Total amount	<u>\$7,494 00</u>

FIRE-KING STEAM FIRE ENGINE COMPANY NO. 2.

LOCATED ON VINE STREET.

1 first-class double-plunger engine and hose carriage	\$3,250 00
100 feet rubber hose	100 00
100 feet rubber hose, rubber-lined	80 00
1300 feet leather hose	1,500 00
500 feet new leather hose	665 00
Firemen's suits	200 00
Furniture, fixtures, &c.	650 00
Total amount	<u>\$6,445 00</u>

E. W. HARRINGTON STEAM FIRE ENGINE NO. 3.

LOCATED AT PISCATAQUOG.

1 second-class plunger engine and hose carriage	\$3,500 00
1 4-wheeled hand hose carriage	225 00

200 feet rubber hose	100 00
1600 feet leather hose	1,924 00
100 feet new leather hose	133 00
Firemen's suits	178 00
Furniture, fixtures, &c.	517 00
Total amount	<u>\$6,577 00</u>

N. S. BEAN STEAM FIRE ENGINE COMPANY NO. 4.

LOCATED ON VINE STREET.

1 second-class double-plunger engine and hose carriage	\$4,250 00
50 feet rubber hose	71 50
100 feet rubber-lined hose	80 00
1100 feet leather hose	1,550 00
Firemen's suits	213 00
Furniture and fixtures	609 25
Total amount	<u>\$6,773 75</u>

PENNACOOK HOSE COMPANY NO. 1.

LOCATED ON VINE STREET.

1 four-wheeled horse hose carriage	\$600 00
1 horse sled and reel	75 00
1800 feet leather hose	2,700 00
150 feet new leather hose	199 50
50 feet rubber-lined linen hose	40 00
Firemen's suits	309 00
Furniture and fixtures	343 00
1 harness	100 00
Total amount	<u>\$4,366 50</u>

MASSABESIC HOSE COMPANY NO. 2.

LOCATED ON MAPLE STREET.

1	four-wheeled hose carriage	\$800 00
1700	feet leather hose	2,000 00
	Firemen's suits	200 00
	Furniture and fixtures	54 00
	Total amount	<u>\$3,054 00</u>

EXCELSIOR HOOK AND LADDER COMPANY NO. 1.

LOCATED ON VINE STREET.

1	truck with hooks and ladders	\$1,500 00
	Firemen's suits	431 00
	Furniture and fixtures	343 00
	Total amount	<u>\$2,274 00</u>

GOFFE'S FALLS HOSE COMPANY.

1	two-wheeled hose carriage	\$200 00
400	feet linen hose	200 00
	Pipes, &c.	12 00
	Total amount	<u>\$412 00</u>

AMOSKEAG HOSE COMPANY.

LOCATED AT P. C. CHENEY & CO'S. PAPER MILLS.

1	two-wheeled hose carriage	\$200 00
800	feet leather hose	400 00
	Pipes, &c.	12 00
	Total amount	<u>\$612 00</u>

ENGINEERS' DEPARTMENT.

1 supply wagon	\$150 00
Suits	50 00
Furniture, &c.	100 00
	<hr/>
Total amount	\$300 00

FIRE ALARM TELEGRAPH.

At cost	\$19,910 00
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RECAPITULATION.

Amoskeag Engine No. 1	\$7,494 00
Fire-King Engine No. 2	6,445 00
E. W. Harrington Engine No. 3	6,577 00
N. S. Bean Engine No. 4	6,773 75
Pennacook Hose No. 1	4,366 50
Massabesic Hose No. 2	3,054 00
Hook and Ladder No. 1	2,274 00
Goffe's Falls Hose Company	412 00
Amoskeag Hose Company	612 00
Engineers' Department	300 00
Fire Alarm Telegraph	19,910 00
	<hr/>
Total amount	\$58,218 25

NAMES AND RESIDENCES OF MEMBERS OF THE FIRE DEPARTMENT.

James F. Pherson, Chief Engineer, No. 25 M. S. Block.
 John Patterson, Main street, Piscataquog.
 Patrick Sullivan, Elm street.
 David H. Young, corner Bridge and Union streets.
 Geo. H. Dodge, No. 35 M. S. Block.

FIRE-KING STEAMER COMPANY NO. 2.

A. H. Sanborn, foreman, Stark block, Elm street.
 G. W. Cheney, assistant foreman, 7 Stark Corporation.
 A. M. Keniston, clerk and treasurer, 1,405 Elm street.
 D. W. Morse, engineer, 1,419 Elm street.
 C. F. Hall, assistant engineer, 42 Machine Shop block.
 F. W. McKinley, 14 Amoskeag Corporation.
 W. B. Heath, 192 Amherst street.
 S. Frank Head, 47 High street.
 C. H. Manley, 19 Warren street.
 Albert Merrill, 42 Machine Shop block.
 F. A. Pherson, 25 Machine Shop block.
 T. M. Conant, Engine House, Vine street.
 H. L. Miller, 11 Ash street.
 W. E. Gilmore, 1 Stark Corporation.

AMOSKEAG STEAMER COMPANY NO. 1.

George R. Simmons, foreman, Pennacook street.
 C. M. Morse, assistant foreman, Myrtle block.
 Horace Nichols, engineer, 27 Machine Shop block.
 Sam C. Lowell, assistant engineer, 5 Machine Shop block.
 A. D. Scovell, clerk, 174 Amherst street.
 George W. Butterfield, driver, Engine House, Vine street.
 James R. Carr, hoseman, 14 Orange street.

J. D. Linus, hoseman, 5 Machine Shop block.
 J. T. Underhill, hoseman, 66 Stark Corporation.
 F. E. Stearns, hoseman, 456 Park street.
 H. H. Glines, hoseman, 5 Machine Shop block.
 J. A. Barker, hoseman, 28 Market street.
 E. H. Currier, hoseman, 307 Hanover street.
 W. H. Stearns, hoseman, 421 Hanover street.

E. W. HARRINGTON ENGINE COMPANY NO. 3.

H. Fradd, foreman, Dover street.
 George D. Sears, assistant foreman, corner Main street.
 Joseph Schofield, clerk, corner Granite and Dover streets.
 William Doran, engineer, Douglas street.
 John T. Dinsmore, assistant engineer, Dover street.
 John McDerby, hoseman, Granite street.
 Ruel Manning, hoseman, Douglas street.
 Benjamin H. Parker, hoseman, Main street.
 John R. Young, hoseman, Granite street.
 Edward Young, hoseman, Granite street.
 Andrew C. Wallace, jr., hoseman, West street.
 D. Breed, hoseman, Main street.
 Charles O'Shaughnessy, hoseman, Granite street.
 Edward McDerby, hoseman, Water street.

PENNACOOK HOSE COMPANY NO. 1.

Thomas W. Lane, foreman, Elm, corner Appleton street.
 C. D. Palmer, assistant foreman, 345 Central street.
 J. E. Merrill, clerk, 60 Orange street.
 J. M. Plaisted, driver, Engine House, Vine street.
 A. Maxfield, hoseman, 14 Amoskeag Corporation.
 H. S. Brown, hoseman, 640 Union street.
 B. B. Aldrich, hoseman, 392 Manchester street.
 G. H. Porter, hoseman, 331 Chestnut street.

W. R. Sawyer, hoseman, 255 Spruce street.
 C. B. French, hoseman, 11 Merrimack street.
 W. G. Chase, hoseman, 299 Chestnut street.
 L. M. Aldrich, hoseman, 338 Central street.
 W. L. Blenus, hoseman, 153 Hanover street.
 H. M. Moody, hoseman, Harrison, corner Pine street.
 J. E. Dodge, hoseman, Elm, corner Hanover street.

N. S. BEAN STEAMER COMPANY NO. 4.

E. S. Whitney, foreman, No. 8 Machine Shop block.
 C. E. Ham, assistant foreman, 3 Stark street.
 E. G. Abbott, clerk, 1,211 Elm street.
 Fred S. Bean, engineer, 40 Machine Shop block.
 F. A. Aldrich, assistant engineer, 20 Ash street.
 A. B. Cushing, driver, 12 Engine House, Vine street.
 T. F. Dodge, hoseman, 21 Machine Shop Block.
 D. M. Rowe, hoseman, 41 Market street.
 J. Cushing, hoseman, 12 Vine street.
 R. S. Corey, hoseman, 17 Machine Shop block.
 W. H. Dodge, hoseman, 34 Market street.
 J. E. Richards, hoseman, 41 Market street.
 C. H. Bassett, hoseman, 640 Union street.
 A. Nearborn, hoseman, 33 East High street.

MASSABESIC HOSE COMPANY NO. 2.

H. W. Fisher, foreman, 59 Myrtle street.
 J. F. Seaward, assistant foreman, 22 Warren street.
 P. W. Hannaford, clerk, 256 Lowell street.
 C. Thompson, steward, Nashua street.
 H. G. Seaman, hoseman, 16 South street.
 G. W. Goodwin, hoseman, cor. Wilson and E. High streets.
 J. H. Boyd, hoseman, 242 Bridge street.
 W. Seaward, hoseman, cor. Nashua and Maple streets.

- J. W. Batchelder, hoseman, 16 South street.
 G. A. Masten, hoseman, 360 Amherst street.
 C. H. Stebbins, hoseman, 108 East High street.
 C. F. Garland, hoseman, Linden street.

EXCELSIOR HOOK AND LADDER COMPANY NO. 1.

- George W. Bacon, foreman, 45 Stark Corporation, Bridge street.
 John N. Chase, assistant foreman, 276 Bridge street.
 Henry French, clerk, 301 Chestnut street.
 H. P. Young, treasurer, 351 Pine street.
 Charles Canfield, steward, 18 Amoskeag Corporation.
 George E. Glines, fireman, 310 Central street.
 A. Q. N. Robertson, fireman, 301 Chestnut street.
 Charles A. Clough, fireman, 2 Print-works Corporation.
 Joel Daniels, fireman, 32 Ash street.
 F. A. Senter, fireman, 39 Pine street.
 E. A. G. Holmes, fireman, 228 Manchester street.
 George H. Dudley, fireman, 153 corner Beech and Laurel street.
 Luther J. Flint, fireman, 207 Bridge street.
 George L. Leach, fireman, 263 Merrimack street.
 D. M. K. Phillips, fireman, 310 Central street.
 H. H. Cole, fireman, 43 Water street.
 W. S. Leavitt, fireman, 403 Pine street.
 James Orrill, fireman, 1,291 Elm street.
 J. B. Nourse, fireman, 108 Merrimack street.
 J. J. Lovering, fireman, 397 Pine street.
 John Wilson, fireman, 45 Pearl street.
 Charles H. Cross, fireman, 72 Bridge street.
 Augustus J. Robie, fireman, 422 Chestnut street.
 Charles L. Brown, fireman, 90 Middle street.
 Charles M. Norton, fireman, 5 Stark street.

Frank C. Jewell, fireman, 44 Machine Shop block, Amos-keag Corporation.

Samuel Adams, fireman, 1147 Elm street.

John W. Chase, fireman, 14 Stark Corporation.

Ralph Pearson, fireman, 6 Laurel street.

J. H. Gould, fireman, 4 Pearl street.

DRIVER OF SUPPLY WAGON.

James Kearns, 68 Concord street.

ANNUAL REPORT
OF THE
CITY LIBRARY
FOR
THE YEAR 1876.

TWENTY-THIRD ANNUAL REPORT

OF THE

TRUSTEES OF THE CITY LIBRARY.

To the City Councils of the City of Manchester:

The Trustees of the City Library herewith submit their twenty-third annual report of the affairs and condition of the Library, and with it the report made to them by the Treasurer of the Board, showing the expenditures made for books and periodicals, and the report of the Librarian which shows in detail the operation of the library during the year, and the condition of the library and other property under his care at the close of the year.

The trustees are not aware that the operations of the library for the past year have developed any new circumstances requiring any special action by the City Councils in relation to the conduct of its affairs.

From the report of the Treasurer it appears that during the year the sum of five hundred seventy-eight dollars and sixty-nine cents has been expended for the purchase of books, and the sum of one hundred seventy-one dollars and sixty-two cents for the purchase of periodicals, leaving a balance unexpended of two thousand seven hundred forty-nine dollars and fifty-six cents. Of this amount one thousand two hundred and twenty-four dollars belongs to the

income of the "Dean Fund," which is to be applied to the purchase of books, to be placed in an alcove by themselves as the "Dean Donation." Of the remainder, the greater part will be absorbed by the annual purchase of books usually made at the commencement of the year.

The report of the Librarian shows that the library has been open to the public for the delivery of books two hundred and forty-eight days, during which time the number of books taken out was forty-three thousand seven hundred and eight, which is five hundred and sixty-seven less than the number delivered the previous year. The average number delivered per day indicates that, had the library been open the usual number of days, the circulation would have exceeded that of any previous year. During the year just past the library has been open for the delivery of books twenty-two days less than the average number of days for the preceding five years.

Sixty-six different periodicals have been regularly received during the year, and whenever the volumes have been completed they have been bound and placed upon the shelves for circulation.

At the time of the last annual examination there were in the library nineteen thousand one hundred and fifty-seven volumes. There have been added during the year twelve hundred and thirty-nine volumes, making the total number of books and pamphlets now in the library twenty thousand three hundred and ninety-six. Of the additions, three hundred and eleven volumes have been purchased, eight hundred and forty-nine have been presented, and seventy-nine volumes of periodicals bound.

In the early part of the year the trustees were informed by Hon. Moody Currier that, with the approval of the Board, he intended to present to the library selections from Bohn's standard publications. The offer was thankfully accepted by the trustees. Mr. Currier, in carrying out his

intention, has presented to the library seven hundred and one volumes, consisting of selections from Bohn's Standard, Classical, Illustrated, Ecclesiastical and Scientific Libraries and Harper's Select Library. These volumes, after being numbered and entered by the Librarian upon his books, have been placed upon the shelves and are hereafter to be classed in the catalogue as the "Currier Donation." To this munificent gift Mr. Currier has added an oil painting of himself, which, by direction of the trustees, has been suspended upon the walls of the library. In acknowledgment of the gift of Mr. Currier, the trustees, at their last meeting, unanimously adopted the following resolutions, offered by Hon. Isaac W. Smith :

"Whereas, Hon. Moody Currier has presented to the City Library a donation of 701 volumes, consisting of selections from Bohn's standard, classical, illustrated, ecclesiastical and scientific Libraries, and from Harper's Select Library; also an oil painting of himself :

Resolved, That the thanks of the city are due, and are hereby tendered, to Mr. Currier for his munificent donation. The trustees hereby recognize the spirit which prompted this liberal gift and the judicious taste shown by the donor in the selection of the same, and they share with him the hope and expectation that the perusal and study of these volumes will contribute materially to the moral and intellectual culture of the citizens of Manchester. The generations who shall come after us, as they shall look upon his features, so faithfully portrayed on canvas, will revere the memory of one who, by his wise foresight, furnished the means for promoting the welfare of the city by ministering to the mental and moral improvement of its inhabitants.

Resolved, That said books be known and classed in the catalogue as the 'Currier Donation,' and that the portrait of Mr. Currier be suspended upon the walls of the Library.

Resolved, That the clerk transmit a copy of these resolutions to Mr. Currier."

Another valuable donation to the Library is that of Mrs. Herman Foster, who has lately presented bound copies of

the following newspapers: *Manchester Memorial*, *Manchester American*, *American and Messenger*, *Democrat and American*, and *Mirror and Farmer*, making a complete chronological history of events occurring in our city from 1840 to 1871 inclusive. The trustees gratefully acknowledge this gift, and hope that the example thus set may be followed by others of our citizens.

A full list of all the donations received during the year is appended to the Librarian's report, and to the donors the trustees, in behalf of the city, tender their thanks.

The new catalogue, which has been in preparation for some time past, is now nearly completed, and the Board hope that it may be ready for the printer within a short time. The large and unusual accessions to the Library during the past year have delayed its completion much beyond the time anticipated. It is thought that the balance of funds now on hand will be sufficient to meet the expense of its preparation and printing, without any increase of appropriation.

The Librarian, in his report, asks the attention of the Board to the propriety of employing an assistant at the library, whose services shall be paid from the amount annually appropriated by the City Councils for the ordinary expenses of the library. This being in effect an increase of the salary of the librarian, the trustees, in view of the present business depression, when so many persons are out of employment, when salaries and the compensation paid for labor has been so generally reduced and the cost of living lessened, do not deem it wise to recommend the change which is asked.

The expenditures for the incidental expenses of the library, as paid by the City Treasurer, have been sixteen hundred thirty-eight dollars and thirty-nine cents. The items of these expenditures appear in detail in the annual report of the city, and a brief summary of the same is ap-

pended to the report of the Treasurer of the Board. The trustees have endeavored to keep the expenses necessarily incurred in the support of the library reduced as low as seemed compatible with a proper care of the property entrusted to them, yet the expenses have slightly exceeded the amount appropriated. The trustees have no reason to suppose that the expenditures of the ensuing year will exceed that of the year just past, but they recommend a small increase over the amount appropriated last year, to enable them to meet the expenditures necessarily incurred for the preservation of the valuable property entrusted to them and the promotion of the usefulness of the institution to the public.

February 3, 1877, in Board of Trustees.

Read and approved, and ordered to be transmitted to the City Councils.

IRA CROSS,

Mayor, and President ex-officio.

N. P. HUNT, *Clerk.*

TREASURER'S REPORT.

To the Board of Trustees of the City Library :

The Treasurer of the Board submits the following report of the receipts and expenditures by the Board of the funds received by them on account of the City Library, for the year ending December 31, 1876 :

1876.	DR.
Jan. 1. To balance as per last report .	\$2,193 87
To income of " Dean Donation " .	306 00
To appropriation for 1876 . . .	1,000 00
	<hr/>
	\$3,499 87

1876.			CR.
Jan.	12.	Paid N. E. News Co., periodicals .	\$12 34
Feb.	7.	N. E. News Co., periodicals .	19 61
Feb.	18.	Lee & Shepard, books . .	135 10
Feb.	29.	Lee & Shepard, books . .	282 23
March	7.	N. E. News Co., periodicals .	12 54
March	9.	Lee & Shepard, books . .	90 04
April	4.	N. E. News Co., periodicals .	16 89
May	9.	N. E. News Co., periodicals .	16 92
June	1.	E. W. Locke, books . .	85
June	6.	N. E. News Co., periodicals .	12 00
July	5.	N. E. News Co., periodicals .	12 89
Aug.	9.	N. E. News Co., periodicals .	16 16
Sept.	7.	N. E. News Co., periodicals .	12 08
Sept.	16.	Lee & Shepard, books . .	44 07
Sept.	28.	Lee & Shepard, books . .	19 40
Oct.	10.	N. E. News Co., periodicals .	13 90
Nov.	9.	N. E. News Co., periodicals .	15 62
Nov.	21.	Joseph Leonard, books . .	7 00
Dec.	8.	N. E. News Co., periodicals .	10 67
Dec.	31.	By Balance	2,749 56
			<hr/>
			\$3,499 87

INCIDENTAL EXPENSES.

Librarian's salary	\$800 00
Gas	212 80
Fuel	222 00
Newspapers	31 50
Insurance	32 50
Water rates	20 00
Binding	172 61
Re-binding	91 14
Printing	41 50
Advertising	5 25
Incidentals	9 09
<hr/>	
	\$1,638 39

RECAPITULATION.

Balance Dec. 31, 1875	\$1,985 34
Appropriation for 1876	2,500 00
	<hr/>
Total	\$4,485 34
Paid Trustees	\$1,000 00
Incidental expenses	1,638 39
Balance Dec. 31, 1876	1,846 95
	<hr/>
	\$4,485 34

Respectfully submitted,

S. N. BELL,

Treasurer of Trustees of City Library.

We have examined the above report and find the same correctly cast and properly vouched.

W. P. NEWELL,

IRA CROSS,

Committee on Accounts of City Library.

I certify that I have examined the several items of receipts and expenditures embraced in the foregoing report of the Trustees of the City Library and find the same correctly cast and properly vouched.

JOHN P. NEWELL,

City Auditor.

January 4, 1877.

LIBRARIAN'S REPORT.

Gentlemen of the Board of Trustees :

The following is a statement of the workings of the Library for the year 1876, and also of its present condition.

The record of last year showed a larger circulation than for any previous year. The record of the present year, had the library been open the usual time, would have shown an increase over the preceding one, and consequently would have been the largest yet recorded. At the semi-annual examination in July the library remained closed two weeks longer than usual, in order that the volumes comprising the "Currier Donation," which were received in the early part of the year, might be got in readiness for the shelves. But for this circumstance the circulation would have been the largest by over fifteen hundred than for any year previous.

The valuable donation of Hon. Moody Currier has increased the accessions to nearly twice the usual number received from year to year. In 1872 the donation of Mr. Brewer was received, when the accessions exceeded those of this year by about four hundred volumes.

The number of new accounts opened is larger by fifty-five than for last year. The regulations for the return of books are, with few exceptions, generally complied with. The order which should characterize a well-regulated reading room *cannot* be maintained under the present arrangements. Owing to the lack of the proper assistance to attend to the issuing of books (there being no provision made whatever by the Board for this purpose), it becomes absolutely necessary for the librarian to be in constant attendance on the duties in this department, and when absent from the desk, selecting from the shelves the books desired, advantage is taken of such absence, and consequently the good order so much desired is unattained.

The usual degree of interest for works of the standard authors in history, art, the sciences, and in other important branches, is well maintained. The "Currier Donation" being composed mostly of works of this character, quite a demand is made from it, but, of course, not to that extent as from the "Brewer Donation," which is comprised mostly of fiction, although by standard authors in this branch of literature. The interest for reading in the rooms remains about the same as in the past, but believe it would be greatly increased if the suggestions above referred to should be carried out. I would not be understood to mean that the unquiet condition of the rooms is wholly owing to the cause above mentioned, for a part is due to the general arrangement of the rooms. This could be remedied by covering the floor with a suitable matting, thus destroying the noise occasioned by walking from one part of the room to another.

There are a few volumes unaccounted for at this date, which undoubtedly will be returned soon. The losses from year to year are very small, rarely happening among books of value above those of the juveniles or fiction.

The following is a statement of the work for the past year :

Whole number of volumes at last report	19,157
Accessions the past year, by periodicals bound	79
Accessions the past year by purchase	311
donation	849
	<u>1,239</u>
Whole number of volumes at present	20,396
Comprising :	
Maps	16
Pamphlets	1,085
Bound volumes	19,295
	<u>20,396</u>

Number volumes on the shelves, about	20,166
Number periodicals received	66
Number volumes withdrawn the past year	14
Number days open to the public	282
Number days open for the delivery of books	248
Number volumes in circulation during this time	43,708
Average number per day	176
Largest number issued in any one day	335
Increase of circulation over the average for the past fifteen years	7,369
Number in circulation at calling in in De- cember 30	1,675
Number cards in constant use	1,000
Whole number of guarantees received	10,307
Number received the past year	541
Average per month	45
Total number of accounts on the books	5,430
Increase over last year	584
Amount of cash received for fines and on hand January 1, 1876	\$162 66
Amount received the past year	58 57
	<hr/>
	\$221 23
Paid express charges, stationery, postage and incidentals	55 10
	<hr/>
Balance on hand January 1, 1877	\$166 13

In the last report, attention was called, among other things, to the fact that the labors in managing the library are increasing from year to year. It would seem to be but right and just that these labors should be met by such assistance as would be sufficient to perform the increasing duties, that the public may be the better and more properly

served. Such being the rule in other departments of the city, why should not the same rule apply to the library?

The Board are well aware, no doubt, that no change has been made in the library force from what it was twenty years ago. At that time but one attendant was probably needed, but now it is quite a different matter. The library has increased from ten thousand volumes in 1863, to over twenty thousand at the present time, and yet the Board do not deem it advisable to increase the force from what it was when the library was organized. No one person can perform the work of issuing books, even, at the present time, not to mention the large amount of work necessary to get the books in order for circulation, in a manner that would give satisfaction to those who are waiting for them. It therefore becomes an absolute necessity for the Librarian to employ such assistance as is needed, from his own meagre salary, that the public may be properly served. The above applies more particularly to the issuing of books; when the general work of the library is considered, this irregularity becomes still more apparent. A small amount appropriated for this purpose would be of much benefit to the public, and so considered by all frequenters of the library.

It is hoped that the above subject will receive the immediate attention of the Board, that they may see the necessity of some action, and order the necessary improvements to be at once made.

Respectfully submitted,

C. H. MARSHALL, *Librarian.*

December 30, 1876.

DONATIONS TO THE LIBRARY FOR THE YEAR
1876.

By HON. JOHN EATON, Washington.

Report Commissioner of Education. 1875. 8 vo.

By HON. MOODY CURRIER, Manchester.

The "Currier Donation," comprising Bohn's standard, classical, illustrated, scientific and ecclesiastical libraries, and Harper's Select Library. 701 vols. 12 mo.

By HON. S. N. BELL, Manchester.

Memorial Addresses of the Life and Character of Hon. Wm. A. Buckingham, of Connecticut. 1875. 8vo.

Reports of Departments to Congress, 1st session 44th Congress. 8vo.

Birds of the Northwest. Cones. 1874. 8vo.

Report on the Sea Fisheries of the south coast of New England. 1871-72. 8vo.

Report of the Commissioners of Fish and Fisheries. 1872-73. 8vo.

Medical and Anthropological statistics of Provost Marshal's Bureau. 1875. 2 vols. 4to.

By GEN. A. J. MYER, Washington.

Report of the Chief Signal Officer. 1874. 8 vo.

By PROF B. B. PEIRCE, Washington.

Report of Superintendent Coast Survey. 1872. 4to. 2 copies.

By G. M. LEVETTE, M. D., Indianapolis, Ind.

Reports of the Geological Survey of Indiana. Cox. 1869-74. 5 vols. 8 vo.

Report Indiana Board of Agriculture. 1869. 8vo.

By WILLIAM B. TOWNE, ESQ., Milford.

Historical Address on the occasion of the Hundredth Anniversary of the Congregational Church, Milford, N. H. 1874. 8vo.

By COL. J. T. FANNING, Manchester.

Manual of the Principal Instruments used in American Engineering. 1871. 16mo.

By CHAS. T. BROWN, Esq., Manchester.

Manual of Phonography. Pitman. 1875. 16mo.

By BOARD OF REGENTS, Smithsonian Institution.

Annual Reports of the Board. 1873-74. 2 vols. 8vo.

Annual Reports of the Board. 1873-74. 2 vols. 8 vo.

By UNITED STATES CONGRESS.

Congressional Documents. 3d Session 42d Congress. 1872-73. 30 vols. 8vo.

Congressional Documents. 1st and 2d session 43d Congress. 1873-75. 85 vols. 8vo.



REPORT OF COMMITTEE ON CEMETERIES.

*To His Honor the Mayor and City Councils of the City of
Manchester :*

GENTLEMEN :—The Sub-Committee on the Valley Cemetery herewith submit their report for the year 1876 :

Soon after the organization of the Committee, impelled by declining health, the Chairman of the Sub-Committee, Hon. Edward W. Harrington, went to Hot Springs, Ark., where he died about the first of July. For many years he manifested great interest in the Valley Cemetery. To his supervision and direction the city is indebted for many of the substantial improvements of the Valley,—especially for the stone-work and iron fence on the north side of the grounds. It was the often-expressed wish of the deceased that year by year something should be done in the way of extending the stone-work and fence, until the grounds should be entirely surrounded by the same style of fence as that now standing on the north end. The next reach of stone-work, extending across the Valley Brook, will be somewhat expensive. A survey was made last spring, by George W. Stevens, Esq., with reference to putting in a dwarf wall. The estimates required so large a sum of money to carry the proposed work across the Brook, and the appropriation was so small, the Committee did not deem it prudent to commence the job during the present year.

It is hoped, however, that for a few years to come the city will annually appropriate three or four thousand dollars, until the work shall be fully completed, in accordance with the wishes of the late chairman of the sub-committee. Done in this way, the expense will not be seriously felt, and when the fence is completed it will add much to the looks of the grounds, and protect them from the encroachments of vicious animals and still more vicious men and children.

During the year, the grounds have been under the direction of Mr. A. H. Hartshorn, who seems to have discharged his duties in a faithful manner.

Under the new city ordinance which abolished the office of city sexton, the key to the city tomb has been placed in charge of Mr. Hartshorn, who has the care of the tomb and collects the fees for the use of the same.

During the year we have built from the north-west corner, running south, 300 feet of tight board fence, and painted the same with a substantial coat of dark brown paint. We have also repaired the roof of the building at the main entrance on the north side. The brook has been thoroughly cleaned out, the trees trimmed, and the grounds generally made tidy in their appearance. We hope the work done will meet your approval.

We show a balance on hand at the end of the year of \$609.65.

The receipts and expenditures of the Valley for the year have been as follows, viz :

To balance of account	\$243 41
Appropriation	1,000 00
Stone sold	4 70
Tomb fees	78 50
Lots sold	108 66
Tree sold	1 05
	<hr/>
	\$1,436 32

Cash paid for labor	\$497 75	
For city teams	66 00	
Nutt Brothers	3 00	
C. R. Colley, 1875	59 12	
Sullivan Brothers	16 53	
George Holbrook, fence, &c.,	89 97	
D. H. Young, roofing	18 80	
John B. Varick	3 50	
J. J. Abbott, painting	25 00	
Gay, Wells & Co., sand, 1875,	50 00	
		\$826 67
		<hr/>
Balance on hand		\$609 65

JOSEPH KIDDER;
HOLMES R. PETTEE, } *Sub-Com.*

PINE GROVE.

The receipts upon account of the Pine Grove Cemetery have been from the sale of lots. Fourteen hundred fifty-five dollars and thirty-eight cents has been paid into the city treasury, and there are deeds drawn, not delivered, amounting to two hundred twenty-eight dollars.

The principal outlay has been for care of grounds and grading new lots.

The work contemplated last year upon the common grounds has been completed this year. The several ranges have been graded to one level and a numbered marble tablet placed at each grave, giving the whole plat a neat appearance and rendering it easy to care for hereafter. Much confusion was found to exist in the records of undertakers who had made interments, and should there be occasion to disinter from the other portion, there will be difficulty in identifying. The present system, faithfully carried out, will save further confusion.

The permanent iron fence remains as one year ago, no addition having been made, as the committee could not see that sufficient funds would be in the treasury for the purpose. The low price at which it could be built now is an inducement to prepare for an extension early in the spring.

Five hundred feet of the wooden fence have been replaced with new, and the material of the old, so far as suitable, has been used to repair the remainder of the old, which will probably last a few years.

As the grounds have become more frequented from year to year, it has been found desirable to provide better accommodations at the building. An addition has been placed upon the northerly side, thus securing a room for fuel and storage, opening from the main room, and providing other much needed conveniences for those visiting the grounds.

Upon petition of the Grand Army a plat of ground, upon the westerly side of the lot, has been donated by the committee, making a large square, and they have caused to be removed from the public grounds the bodies of fifteen soldiers, which have been buried from time to time, and placed in the Grand Army lot, at the expense of the city.

The details of receipts and expenditures will be found in the report of the City Treasurer.

TREASURER'S REPORT.

To the Committee on Cemeteries :

GENTLEMEN:—In compliance with the requirements of law I herewith present to you a report of all money by me received, on account of Cemeteries, for the year ending December 31, 1876 :

THE VALLEY.

January 1, 1876. Received of Mrs. H. T. Foss balance for lot No. 297	\$1 00
January 7. Received of Charles A. Heath, for lot No. 752½	58 80
October 28. Received of Charles Fish, for lot No. 480	24 00
October 28. Received of Charles Fish, interest	24 86
	<hr/>
	\$108 66
Cash paid to H. R. Chamberlin, City Treasurer.	108 66

PINE GROVE.

Received of A. McIndoe, for wood,	\$3 38
Received for 53 lots sold	1,455 38
	<hr/>
	\$1,458 76
Cash paid H. R. Chamberlin, City Treasurer	1,458 76

All bills of expenditures have passed through the Committee on Accounts and been paid by the City Treasurer, the full details of which will be found elsewhere in the annual City Report.

J. F. JAMES,

Treasurer of Committee on Cemeteries.

Manchester, Jan. 9, 1877.

I hereby certify that I have examined the above accounts and find them correctly cast and properly vouched for.

JOHN P. NEWELL, *City Auditor.*

REPORT OF THE CITY MARSHAL.

To His Honor the Mayor and Board of Aldermen of the City of Manchester :

In accordance with the requirements of the city ordinances, I would respectfully submit the following report of all cases which have been brought before the Police Court, and their results, from January 1st, 1876, to December 31, 1876 :

Escaped from House of Correction	3
Embezzlement	1
Malicious mischief	1
Rape	7
Aggravated assault	3
Assault	151
Assault on officer	7
Larceny	103
Larceny from person	4
Burglary	21
Keeping liquor for sale	38
Keeping dogs without license	18
Rescue of prisoner	1
Attempt to ravish	2
Truants	3
Stealing a ride	5
Gambling	3

Night walker	1
Tramps	11
Noise and brawl	140
In bathing	6
Common drunkard	4
Drunk	258
Disorderly conduct	32
Selling liquor	11
Playing ball in the street	5
Keeping open Sunday	2
Forging	1
Obstructing officer	3
Vagabond	7
Standing in doorway	1
Fornication	7
Exposure of person	3
Lewdness	4
Obscene and profane language	4
Stubborn child	9
Playing cards Sunday	2
Permitting gambling	1
Defacing buildings	3
Throwing snow balls	10
Obstructing sidewalks	2
Killing birds	3
Entering sewer without license	1
Fast driving	11
Bastardy	1
Total arrests	<u>914</u>

Cases were disposed of as follows :

Fined and paid	340
Sent to House of Correction	172
Sent to jail	75

Sent to House of Reformation	11
Bound over	94
Discharged	21
Appealed	5
Sentence suspended	27
Sentenced House of Correction, Wilton	36
Disclosed and discharged by court	1
Allowed by court to leave town	3
House Correction at jail	51
Placed on file	77
<i>Nol pros'd</i>	1
Number of males arrested	957
Number of females arrested	174
	<hr/>
Total number of arrests for 1876	1,131
Number of males before police court	779
Number of females before police court	135
	<hr/>
Total number before police court	914
Number of lodgers for the year	1,001
Number of fire alarms given by the police	4
Number of store doors found open	161

The following amounts have been received for fine and cost in the Police Court, as shown on the records in the Marshal's office, from January 1, 1876, to December 31, 1876:

From January 1, 1876, to April 1	\$421 98
April 1 to May 3	171 61
May 3 to May 18	163 74
May 18 to December 31, 1876	2,845 36
	<hr/>
	\$3,602 69

Respectfully submitted,
WILLIAM B. PATTEN, *City Marshal.*

REPORT

OF THE

JOINT STANDING COMMITTEE ON CITY FARM.

To the City Councils of the City of Manchester :

The Mayor and Joint Standing Committee on the City farm herewith submit their annual report for the year ending December 31, 1876.

The inventory and appraisal of personal property at the farm December 30, 1876, is as follows :

Live stock	\$1,340 00
Hay, grain and produce	1,264 13
Carriages, farming implements and other tools	1,411 54
Household furniture and domestic implements	316 42
Provisions and fuel	732 61
Bedding and wearing apparel	394 38
Iron, lumber, bricks, &c.	121 72
	<hr/>
Total	\$5,580 80
Cash on hand	600 27

The permanent improvements made on the farm during the year are estimated as follows :

Seventy-five rods field ditch	\$100 00
One hundred rods stone wall	200 00
Fruit trees and setting the same	150 00
Alterations and repairs on buildings	234 00
	<hr/>
Total	\$684 00

The account of the farm for the year is as follows :

City Farm in account with City of Manchester :

		DR.
To stock Dec. 31, 1875	\$7,199 80	
Discount on overestimate	1,364 00	
	<hr/>	\$5,835 80
To cash on hand Dec. 31, 1875	598 39	
To expenditures for 1876	5,050 03	
To interest on farm	1,000 00	
		<hr/>
		\$12,484 22

		CR.
By stock Dec. 30, 1876	\$5,580 30	
By cash paid into City Treasury for pro- duce sold, labor, &c.	3,122 51	
By cash on hand Dec. 30, 1876	600 27	
By permanent improvements	684 00	
By 3,478 days' board of prisoners, and 2,331 days' board of paupers	2,496 64	
		<hr/>
		\$12,484 22

Average number of prisoners at farm per day during the year	9 3-5
Average number of paupers at farm per day during the year	6 2-5
Average cost per day of board for each prisoner or pauper	43 cts.

The farm from January 1, 1876, to April 1, 1876, was under the superintendence of John H. Proctor, Esq.

On the first day of April, 1876, Mr. Frederick Allen took charge of the farm as Superintendent. Mr. Allen being unwilling to accept the stock as appraised in December, 1875, your committee, after a careful review of said appraisal, deducted \$1,364 from the total amount. Your committee are of the opinion that in the annual appraisal of stock during the last five years no sufficient allowance has been made for the wear and tear of household furniture, bedding, carriages and farming implements.

Three hundred dollars have been expended for manure since April 1.

Some measures should be taken to supply the farm with water, the well dug within a few years having proved a failure. It would be more economical and convenient to heat the farm house by steam than to continue the present expensive system of wood fires.

The various and manifold duties relating to the management of the Poor Farm and House of Correction have been performed during the past nine months by Mr. and Mrs. Frederick Allen, to the entire satisfaction of your committee.

IRA CROSS, *Mayor*.

JAMES B. STRAW.

W. C. BLODGETT,

N. R. BIXBY,

AARON WALDRON.

RUFUS WILKINSON,

Joint Standing Committee on City Farm.

January 1, 1877.

REPORT OF OVERSEERS OF THE POOR.

To the Mayor, Aldermen and Common Council of the City of Manchester :

In compliance with the ordinance of said city, the Overseers of the Poor herewith present their annual report.

The whole number of persons receiving assistance during the past year is one hundred and seventeen, consisting of twenty-four families and twenty-five persons not having families, of which number twenty-two families and twenty-three persons have a settlement in this city ; the remaining two families and two persons have no settlement in city or State.

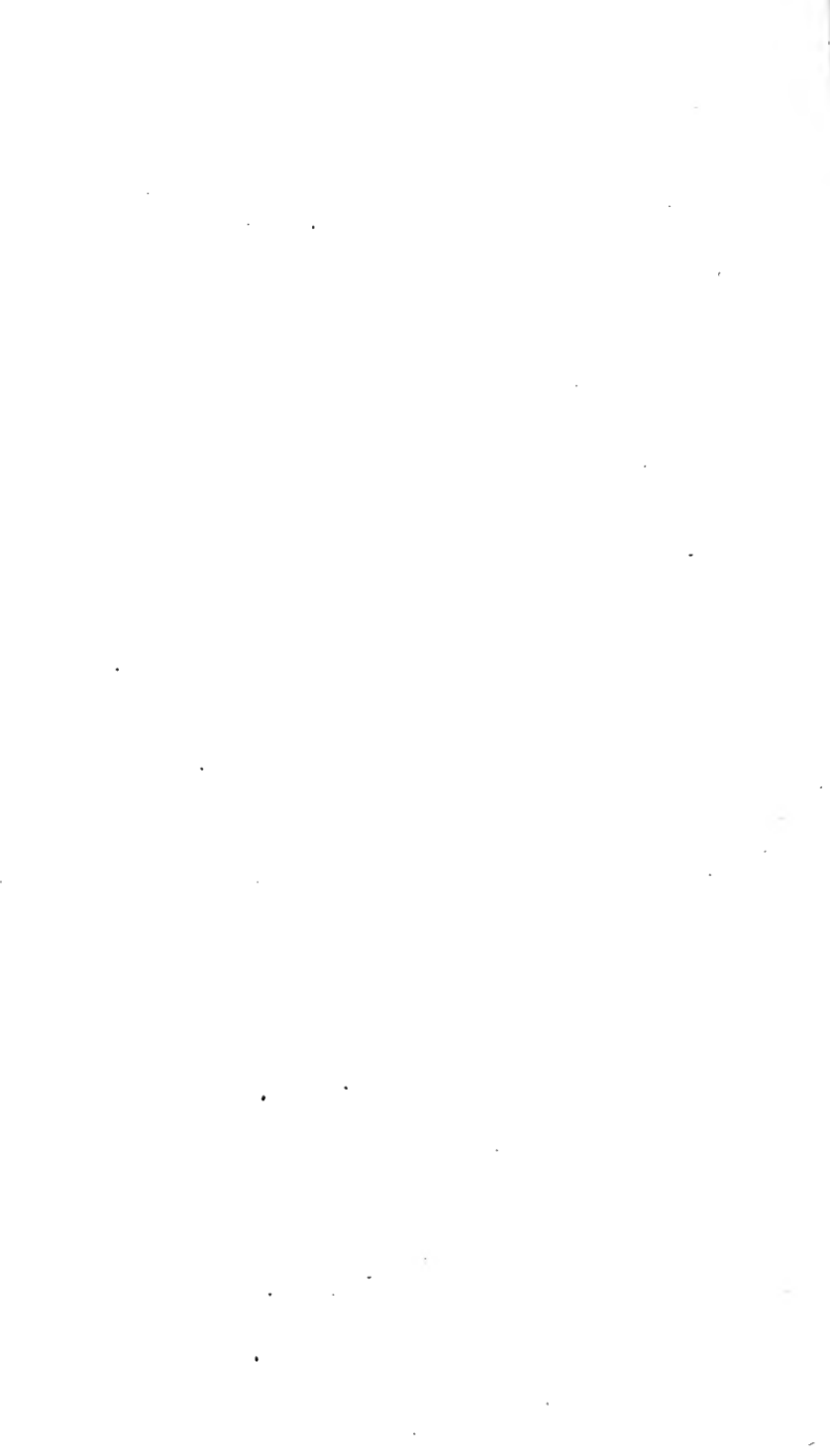
There have been three deaths.

The whole number of persons at the Alms-House during the past year is twenty eight. There have been two deaths. The average number at the Alms-House during the year is six and two-fifths.

All of which is respectfully submitted,

IRA CROSS, *Chairman.*
S. J. YOUNG, *Clerk.*
JEREMIAH STICKNEY,
P. A. DEVINE,
DANIEL SHEEHAN,
E. A. MOULTON,
JOHN DEALY,
A. B. PAGE,

Overseers of the Poor.



A REPORT
OF THE
PUBLIC SCHOOLS
OF THE
CITY OF MANCHESTER,
FOR
THE YEAR 1876.

A RESOLUTION in relation to the report of the public schools of the city of Manchester for the year 1876:

Whereas, the annual report of the board of the school committee for the year 1876 has not been furnished, and a vacancy has existed in the office of superintendent of public instruction since Sept. 1876, therefore

Resolved, by the board of Mayor and Aldermen, if the board of common council concur, that Marshall P. Hall, Esq., a member of the school board for several years past, be requested to furnish the city councils with a report of the public schools of the city of Manchester for the year 1876.

IN BOARD OF MAYOR AND ALDERMEN. February 6, 1877.

Passed.

IRA CROSS, *Mayor*.

IN BOARD OF COMMON COUNCIL. February 6, 1877.

Passed in concurrence.

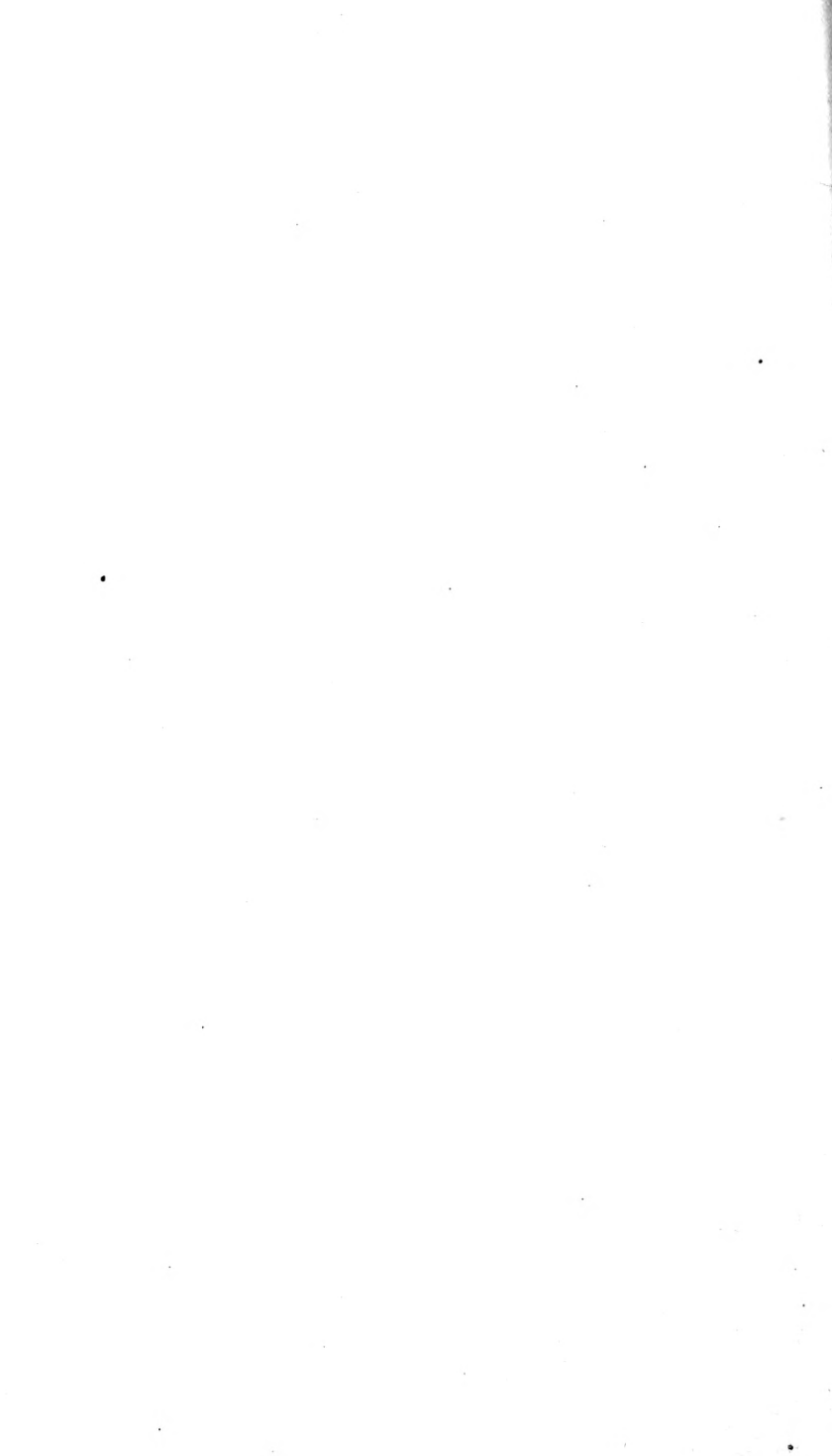
ARTHUR DINSMORE, *President*.

REPORT OF SCHOOLS FOR 1876.

To the City Councils of the City of Manchester :

I have received a communication from your honorable Boards, requesting me “to furnish the City Councils with a Report of the Public Schools of the City of Manchester for the year 1876.” In compliance with this request, I respectfully submit for your examination the following, it being substantially the same as the report prepared for the School Committee at their request, by vote of record dated November 3, 1876.

MARSHALL P. HALL.



SCHOOL DEPARTMENT.

ORGANIZATION FOR 1876.

IRA CROSS, Mayor,
ex-officio chairman.
ARTHUR DINSMORE,
President of the Common Council, *ex-officio*.

MEMBERS OF THE SCHOOL COMMITTEE.

- Ward 1.—Marshall P. Hall,
George W. Stevens.
Ward 2.—John P. Newell,
Joseph Kidder.
Ward 3.—Lucien B. Clough,
Isaac L. Heath.
Ward 4.—Nathaniel W. Cumner,
William F. Byrns.
Ward 5.—Martin Fitzgerald,
Samuel P. Jackson.
Ward 6.—Newton H. Wilson,
William Little, *clerk*.
Ward 7.—James P. Walker,
Isaac W. Darrah.

SUPERINTENDENT OF PUBLIC INSTRUCTION.

JOSIAH G. DEARBORN.*

*Till Sept. 1. Office vacant since.



REPORT.

A complete report upon the public schools would embrace a detailed account of the work and condition of each school in the city. As it is impracticable to give such an account at the present time, this report will be confined to a statement of the prudential management of the schools, and some observations upon the more important matters which have received attention from the School Board in the past year.

The following is a tabulated statement of the receipts and expenditures of the school department for the year ending Dec. 31, 1876 :

<i>Teaching.</i>		Am't Rec'd.	Am't Exp'd.
Balance from 1875	\$248.66		
Appropriation, 1876	37,000.00		
Transferred from reserved fund	1,855.20		
	<u> </u>	\$39,103.86	\$39,103.86
 <i>Fuel.</i> 			
Appropriated, 1876	\$4,500.00		
Transferred from reserved fund	1,200.00		
	<u> </u>	5,700.00	5,315.68
 <i>Care of Rooms.</i> 			
Appropriated, 1876	\$2,200.00		
Transferred from reserved fund	450.00		
	<u> </u>	2,650.00	2,637.94

Furniture and Supplies.

Balance from 1875	\$13.13		
Appropriated, 1876	500.00		
	<u> </u>	513.13	422.23

Books and Stationery.

Appropriated, 1876	\$500.00		
Overdraft	13.50		
	<u> </u>	513.50	512.03

Printing and Advertising.

Balance from 1875	\$262.29		
Appropriated, 1876	250.00		
Overdraft	1.84		
	<u> </u>	514.13	345.27

Incidental Repairs.

Appropriated, 1876	\$600.00		
Transferred from reserved fund	250.00		
Overdraft	6.00		
	<u> </u>	856.00	968.87

Contingent Expenses.

Appropriated, 1876	\$500.00		
Transferred from reserved fund	250.00		
	<u> </u>	750.00	849.03

Evening Schools.

Balance from 1875	\$623.00		
Appropriated, 1876	800.00		
	<u> </u>	1,423.03	648.07

		\$52,023.65	\$50,802.98
Balance unexpended			1,220.67
		<u> </u>	<u> </u>
		\$52,023.65	\$52,023.65

STATISTICS.

Whole amount expended by School Committee,	\$50,802 98
Amount expended by City Councils, viz.:	
For repairs and improvements of school	
houses and lots	\$5,103 63
salaries of school committee	186 00
salary of superintendent (6 mos.)	900 00
	<u> </u>
	6,188 63

Whole amount expended by the city for all school purposes	\$56,991 61
Whole number of pupils enrolled in day schools	4,567
Average number belonging to schools	2,542
Average daily attendance	3,379
Average per cent of attendance	93
Cost of tuition in day schools per scholar, (based upon average number belonging)	\$15.39
Cost of incidentals, per scholar	4.35
Number of pupils admitted to High School from Grammar schools	84
Whole number admitted to High School	87
Number graduated from High School	50
Average attendance in Evening School	60
Number of teachers regularly employed in day schools	74
Number of scholars per teacher in High School	34
Number of scholars per teacher in Grammar Schools	33
Number of scholars per teacher in Middle School	43
Number of scholars per teacher in Primary Schools	40
Number of scholars per teacher in Suburban Schools	22

Four new schools have been opened, viz.: two on Spring street (Grammar grade), one Middle school in 'Squog, and one Primary on Manchester street.

The expenditures have been \$1,007.10 less than last year, in the aggregate, and less in every item except those of fuel, care of rooms, and printing and advertising. The latter account was increased by charging to it the cost of printing the examination sheets for the Centennial exhibit. This amount, together with the cost of a telescope and other apparatus, purchased for the High school, should have been charged to the "tuition fund," but it was found that this had been transferred to another account and was not available.

The cost of fuel and care of rooms are very heavy charges upon the school department, and have been annually increasing. There has been paid for fuel this year the sum of \$5,315.68, for heating 75 school rooms, an

average of \$79.87, equal to 8 1-4 tons of coal, or 11 cords of hard wood, for each room, at present prices.

The care of rooms cost \$2,637.94, averaging \$39.17 per room for the year, or about 40 cents per day for each room, for the time the schools were in session. The experience of the past year led the Board to refer this matter to a competent committee for investigation. Now that all the buildings are provided with permanent heating apparatus the cost of heating should be reduced to the minimum by careful experiments.

The sum of \$5,103.63 has been expended by the Joint Committee on Lands and Buildings upon repairs and improvements of houses and grounds. The principal items in this account are for grading and concreting at Lincoln street, repairing and painting water-closets at the High School and Manchester street houses, improving heating apparatus at Spring street, fencing lot in Stark district, and for granite edge-stone at Ash street. Among the things necessary to be done the next year, may be mentioned particularly the improving of the water-closets in the building at the corner of Merrimack and Union streets and the removal of the concrete from the yard on Spring street.

The danger arising from locked doors has been removed by substituting for locks and keys such bolts or latches as may be moved by the children themselves in case of panic.

It is a satisfaction to learn that you have provided for the purchase of land to enlarge the lot at the corner of Bridge and Union streets. The time is not far distant when the lower grade schools in the Ash-street house will have to be removed, and a building erected on this lot for their accommodation. It is not good policy to put small children in buildings with a large number of older pupils. It is done for the sake of economy, while the Grammar schools are small. These will, in time, require all the room in the

large buildings, and small houses, conveniently located, must be provided for primary schools.

Intimately connected with the subject of heating is that of ventilation. Good ventilation in winter is secured only at the expense of fuel. Cold air is to be heated, then allowed to escape, and the process repeated, continually and rapidly. Economy in heating is a simple problem when separated from the question of pure air. No one would object to an increased expense for fuel if that would secure perfect ventilation. Our later-built school-houses are supposed to have the most approved arrangements for automatic ventilation, and yet nothing but an accurate test of the actual condition of the air in the rooms when in use will show whether they are well ventilated or not. A gentleman of this city, Dr. John Bell, has lately applied this test,—the first, we believe, ever made in our school buildings. He has prepared a paper upon the subject, giving the results of experiments conducted with scientific accuracy, and containing much valuable information. The following extracts are made from it:

“In the annual report of the Board of Health of the city of Boston for the year 1875, among other valuable papers is a report on the ventilation of the school-houses of that city. The reading of that report induced me to obtain permission of our School Board to do something of the same kind for our own school-houses. . . .

“I have visited twelve rooms in eight school-houses, choosing such, so far as I was able to judge, as would present a fair average of the whole. Those in the outskirts of the city would not be likely to present a better state of ventilation than those in the city proper, perhaps not so good.

“Until within a few years past, the question of ventilation in rooms containing a large number of persons seems to have been considered solely with reference to the amount of carbonic acid present in the air, of course including the

question of temperature. Carbonic acid was regarded as a deadly poison of itself. An animal kept in a small and confined portion of air soon died, poisoned, as it was thought, by the carbonic acid exhaled from its own lungs. More recently, however, the views held upon this subject have been a good deal modified. It is now thought to be rather the deprivation of oxygen than the actively poisonous properties of carbonic acid that causes the death of the animal. It is found that death occurs if the air breathed contains 17 per cent of oxygen (instead of 21 per cent, the usual amount), even when the carbonic acid is withdrawn as fast as it is produced by its breathing. It is this deprivation of oxygen in its natural proportion, together with the presence of other matters produced in respiration, that causes the deleterious effects of breathing the air of badly ventilated rooms. . . .

“The English sanitarians allow 6 parts of carbonic acid in 10,000 of air; the Germans 7 and 8, beyond which the ventilation is considered objectionably imperfect.

“The external air contains about 4 parts of carbonic acid in 10,000, while the air expired in ordinary quiet breathing contains about 400 parts.”

He then discusses the effects of breathing carbonic acid, and continues:

“Is it, then, a fact that it is of little use to determine the proportion of carbonic acid in the air we breathe, because there seems to be but a minute increase over that contained in the purest air? Not at all. . . .

“The relative proportion of carbonic acid in the air of the school-rooms was the first question to be determined in deciding upon the efficiency of their actual ventilation. . . .

“I think that the results may be trusted as accurate within one part in 20,000.

“The following table gives the number of parts of car-

bonic acid in 10,000 parts of air, for each one of the twelve school-rooms visited :

Training School, room No. 1	140 parts.
“ “ “ “ 3	195 “
Lincoln-street Grammar School, room No. 4	100 “
“ “ “ “ “ “ 1	145 “
Manchester-street, (Miss Dearborn)	85* “
Franklin-street Grammar, No. 7 Middle	110 “
Ash-street Grammar, (Miss Morrill)	170 “
“ “ “ room No. 6	145 “
Wilson’s Hill Primary	205 “
High School	90 “
Lowell-street, No. 5 Primary	130 “
“ “ Intermediate 2d	140 “
“ Average	138 “

“Allowing a room like those of the Ash-street school-house, containing 9,300 cubic feet of space and 46 pupils, each pupil breathing 20 times per minute, and 15 cubic inches of air at each respiration. In such a room, if the air were not renewed at all during a three hours’ session, we should have, at the end of this time, 62 parts of carbonic acid in 10,000. As these data are near the actual truth, we have the means of determining the state of ventilation in each room.

“Instead of the entire air of the room being renewed 31 times during a half days’ session, as it ought to be to keep the carbonic acid down to 6 parts in 10,000, the maximum of allowable impurity, according to many writers on ventilation, it was renewed as follows :

Training School, room No. 1	24 times.
“ “ “ “ 3	21.75 “
Lincoln-street Grammar, room No. 4	26 “
“ “ “ “ “ “ 1	23.75 “
Manchester-street, (Miss Dearborn)	26.75 “
Franklin-street Grammar, No. 7 Middle	25.50 “

* Windows open just before experiment.

Ash-street Grammar, (Miss Morrill)	. . .	22.50 times.
“ “ “ No. 6	. . .	23.75 “
Wilson's Hill Primary	. . .	20.75 “
High School	. . .	26.50 “
Lowell-street, No. 5 primary	. . .	24.50 “
“ “ Intermediate 2d	. . .	24 “
Average	. . .	24.10 “

“ Another matter, necessarily connected with the system of automatic ventilation, is the temperature of the rooms. About 68° Fahrenheit seems to be the point at which they ought to be kept.

“ I need not enlarge upon the discomfort and more serious objections due to a variation of more than a very few degrees, either up or down from this point. Just so long, however, as automatic ventilation is depended upon, as it is in all our school-houses, this rule will be sinned against. When the outside air, either wholly or partly, passes into the room to be warmed there, and the outside temperature is constantly varying, sometimes 20° or more during a session, the inside temperature must be constantly varying. The same state of things is the cause of great difference of temperature at the level of the floor, as compared with a level of three feet above. Accordingly, in an extreme case, the pupils' heads may be in a hot air bath, while their feet are in a cold one. The following table will show the temperature found in each room at the floor, and again at about the level of the pupils' heads :

	Temperature at floor.	At 3 feet above floor.
Training School, room No. 1.	64.75	66.25
“ “ “ “ 3.	74.20	74.75
Lincoln-street Grammar, room No. 4	66.25	70.90
“ “ “ “ “ 1	74.40	75.20
Manchester-street, (Miss Dearborn)	60.25	63.75
Franklin-street Grammar, No. 7 Middle	68.90	69.90
Ash-street Grammar, (Miss Morrill)	61.20	65.70
“ “ “ No. 6	68.50	73.75

Wilson's Hill Primary	62.90	68
High School	65.40	68.75
Lowell-street, No. 5 Primary	58.85	70.10
" " Intermediate 2d	68.50	71.15
	<hr/>	<hr/>
Average	66.17	69.85

Average difference between the temperature at the floor and 3 feet above floor	3.68°
Least difference in ditto, Lincoln-street No. 1 . . . . .	.80
Greatest " " " Lowell-street No. 5	11.25

After describing minutely the method of conducting the experiments, he says :

“ Finally, what is, in short, the condition of ventilation in our school-rooms? Compared with those of Boston, no one of our rooms was found in so good a condition as some of the Boston rooms, and none in so foul a condition as others. The average is neither disgracefully bad, slowly or rapidly poisoning our children, as we sometimes hear it said ; nor, on the other hand, is it by any means what it ought to be. For instance, the Ash-street school-rooms are too small ; 200 cubic feet to each pupil is too little ; 300 is not at all too much. But I prefer to let the figures speak for themselves. But, whatever objectionable points I have found in the condition of things, it must be remembered that here are no vague impressions or guesses, but facts which are not to be impugned. They are not dependent upon carelessness or inattention on the part of janitors or teachers. They are due, necessarily due, to the badness of the combined system of heating and ventilation adopted, not only in this city, but everywhere else in this part of the world ; where, in fact, owing to our extreme climate, the apparatus for these purposes ought to be more efficient than in most other parts of the world. The present state of things is a vast improvement on that in the old red school-house that most of us remember.

“One thing I ought to mention, in simple justice to the teachers. The impossibility of properly ventilating their rooms by means of the flues designed for that purpose is recognized by every one, and, accordingly, they supplement it by opening the windows. Whether the air in any particular school-room was bad, very bad, or moderately good, depended, not on the ventilators, but on whether the windows had been opened more or less recently. I found all the teachers alive to the importance of the subject, and it was not due to them that the state of things was not very different from what it actually was.

“I believe that no system of ventilation can be thoroughly efficient which is not based upon having pure air, *already warmed*, driven by a rotary fan, or some similar means, into, and again out of, the room.”

Our school-houses are heated and ventilated by different methods. Although none of them are effective, doubtless improvements might be made. The experiments seem to confirm the opinion previously held, that the High School building is, all things considered, the best-ventilated house in the city. It is the only one heated exclusively by what is known as “indirect radiation.” The cold air is passed over large coils of pipe heated by steam in the basement, and after use in the rooms above, is conducted away by the system of ventilating flues known as Robinson’s. The Franklin-street and Lincoln-street houses have both direct and indirect radiation. The Spring-street and Ash-street have only direct, with radiators and pipes in the rooms, and no provision for the admission of pure air, except through windows and doors. The brick house in ’Squog is the only one now heated by furnaces. The remainder have stoves for coal or wood.

There can be no doubt of the economy of heating large buildings by steam, properly managed; and these experiments would seem to show the arrangements at the High

School to be the best for health. It was a great mistake that the Ash-street house was not built upon this plan. What are the few dollars saved compared with the loss of pure air in the ratio of 90 to 145 ?

Dr. Bell says he doubts if the suburban rooms are in better condition than those in the city : but it should be remembered that the country boy travels to his school long distances, through the clear air and over the breezy hills. His lungs are fortified against the impurities of the school room, and he grows strong in spite of study. Some of our people complain when their children happen to be transferred to a school at a greater distance from their homes. Such a change is often a blessing in disguise. Better if our school buildings were all in the open fields outside the city, and the children required to walk miles instead of rods. Of all the so-called improvements which we are pleased to think give us the advantage over the country schools, there is not one we could not well give up to secure the out-door exercise enjoyed by the country school children. Perhaps something might be gained in this direction by conducting all gymnastics and physical exercises in the open air in suitable weather.

It is presumed that these experiments were made under conditions as nearly uniform in each room as possible. The number of scholars would affect the result. A room containing sixty-five children would show a greater degree of impurity than one containing only thirty-five, provided the air was renewed no oftener in one than in the other. This suggests the danger to health of increasing the number of scholars per teacher. Teachers soon accustom themselves to the air of a crowded room, and forget that fifty children require more air than thirty.

The attention of teachers is called to the fact that these experiments fix a great responsibility upon them. The only means of ventilation is shown to be by windows and

doors, and these must be used according to the judgment of teachers. While it is to be hoped that ventilation may be improved by the free use of these means, teachers should be warned not to allow currents of cold air to flow directly upon children, and thus make the remedy worse than the disease.

HIGH SCHOOL COURSE OF STUDY.

An important act of the Board was the revision of the course of study for the High School. For many years the time required to complete study has been three years for the English course and four years for the Classical. The three years' course in English has now been dropped, and two courses substituted, one of two years, and one of four years. The wisdom of this change may be apparent from the following considerations :

The range of studies in the Grammar schools is excellent and practical, so far as it goes, but is hardly sufficient for those who can study only English branches. Two years more would make them thorough and give an excellent common school education. Those of our citizens who feel unable to give their children a higher education (and they are in the large majority), would generally be glad to keep them at study a year or two longer. There has hitherto been no provision for this in the public schools. They must be content with what the Grammar school furnished or begin a course of three years,—ill suited to their needs,—in the High school. The two years' course which has been supplied is intended to supplement the Grammar school studies for the benefit of this class of pupils. The studies are the same, with the addition of a few others equally useful ; thus practically extending the Grammar school course two years. It will be observed that the four years' courses coincide with this for the first two years, so that if such pupils as we have just mentioned should at

the end of two years desire to pursue their studies longer, they can go on with the higher classes and reap the advantages of a full course. On the other hand, should pupils who had entered the school for the longer courses be obliged to leave sooner, they may drop out at the end of two years, and yet have spent the time profitably.

This change has not in the least lowered the standard of the High school. The English course of four years is as complete as that provided in the best academical institutions, and the Classical course remains substantially as before. It is expected that this arrangement will also enable the committee to conduct the school with less expense.

The progress of the High school the past year has been satisfactory. Its work has been quiet, but steady, earnest and scholarly. The exercises in reading and speaking for prizes were pronounced superior to those of previous years. The interest and advancement in these useful branches has been very marked since the "Mirror prizes" were first offered.

TRAINING SCHOOL.

This school has admitted seven ladies for training, and graduated seven, the past year.

Our city is fortunate in the possession of an institution furnishing a home supply of teachers, so economically and efficiently. Twenty-eight of its graduates are now permanent teachers in this city, and as a whole, their superiors cannot be found. The training school involves an extra expense to the city of \$200 per year, or about \$25 for each teacher graduating. It is no disparagement of the excellent purpose and special work of State Normal schools, to express an opinion that our training school turns out at this nominal cost, better prepared teachers for our own needs, than the most expensive normal school can furnish.

THE CENTENNIAL EXHIBIT.

Early in the year circulars were received from the State Superintendent of Public Instruction, inviting the School Board to contribute towards the exhibit of New Hampshire in the Educational Department of the International Exhibition. As no funds from the regular appropriations could be used for this purpose, a special grant from the city councils was asked for. Failing in this the Board appropriated the sum of \$350 from money paid for tuition by non-resident pupils. With this meagre amount the following exhibit was prepared:

Eleven bound volumes of students' work from the High school.

Six bound volumes of students' work from Primary and Grammar schools.

Fifty slates of work from Primary schools.

Four hundred specimens of drawing, from Grammar and High schools.

One volume specimens of penmanship.

One portfolio of plans of school buildings.

Five photographic views of school buildings, framed.

One illustrated chart of school system.

One framed specimen of school registers and class records.

One model in wood of Ash-street school building.

One manuscript volume History of Schools of Manchester.

These articles, in number and character, formed a conspicuous part of the State exhibit. The History of Schools in Manchester, written by William Little, Esq., of this city, is especially mentioned as a valuable contribution, prepared with great care, and containing much information (particularly on the early schools of the town), nowhere else to be found.

The Centennial Exhibition afforded an opportunity to

test the claim so often made, that Manchester schools are as good as any in the country. The spelling, the penmanship, the drawing, the use of language, the solution of problems, the attendance of pupils, the plans and cost of school-houses, and all the items of management in public instruction in our own city were spread out in competition with all the States of the Union and many foreign lands. Probably none will be more interested to know the result than our young friends the pupils who prepared the work. They may be assured that in method, correctness of answer and spelling, they suffered nothing by this comparison with the rest of the world. The work of our primary schools was especially commented on with favor. There was no better work there from children under eight years of age, than that on the fifty slates covered with writing, figures and music, sent from this city. Notice of an award has been received from the judges.

Our deficiencies were in penmanship and drawing. There were specimens of penmanship in the Government Indian school exhibit, written by boys removed but one degree from a savage life, as good as anything we had to show. Our drawing was fair in individual specimens, but lacked the evidence of thorough instruction toward a practical end, so apparent in the work of other States.

There comes, however, a more instructive lesson from the great Exhibition. Every New England man who stood among the magnificent contributions of natural wealth from the Southern and Western States saw more distinctly than ever before, our place as a manufacturing district. It was evident, too, that other sections of this country are successfully manufacturing what were once the exclusive products of New England. No lesson of the Centennial is plainer than that New England must eventually change the character of her manufactures from the coarse and plain to the finer and richer, requiring more elaborate processes

and more skill in design,—such goods as have come to us from the old world. The center of fine and artistic manufacture has long been in Europe. It is moving westward, and naturally belongs in New England. The educational lesson in this is, that schools must be adapted to the instruction needed for this changed condition. The exhibits of foreign nations revealed many industries unknown to us. Their pavilions were filled with goods whose commercial value depends largely upon their artistic form or design. These industries can be transferred to our own workshops only when our people shall have been educated in industrial art, and have acquired a greater manual skill. The Governor of Massachusetts, in his late address to the Legislature of that State, referring to the same matter, says :

“ In supporting any system of public instruction of universal application, apart from high civil and social considerations, and in addition to the mental development which all true education must give, it is important that more and more attention be given to the consideration of what part that system may be made to serve, in fitting young men and young women to properly enter upon the industrial career which choice of circumstances will naturally open before them. This consideration cannot fail to enforce the wisdom of the provisions recently made for instruction in drawing in the public schools, in the establishment of the Normal Art-School, and the public and corporate provision for industrial and technical education.

If we wish to retain our population of native birth, and especially if we wish to sustain that great middle class of population, who are neither so rich as to be sordid, nor so poor as to become objects of charity,—who engage in the activities of life with enthusiasm,—we must multiply their industries and increase the means and facilities for successful individual enterprise. Any State will lose, in the com-

petitions of modern times, its relative rank in manufactures and technical pursuits, unless through improved methods it can develop new industries, and introduce into those upon which it already relies a higher degree of intellectual discipline and of æsthetic taste, and a higher degree also of manual skill."

This is the justification, and the only one, for the teaching of drawing and the establishment of industrial schools.

All these considerations apply to us as a manufacturing community, and bring home the question whether we are doing all that our interests require in this direction. We have drawing in the schools, it is true, but it is utterly without system or adaptation to industrial ends. It should receive attention at once. If need be, some of the time and money devoted to music should be applied to bring up other branches long neglected. Music has had a special teacher for more than fifteen years. Would it suffer by alternating in special advantages for a time, with drawing, penmanship and elocution?

This is not a plea for ornamental teaching, but for more attention to a subject most practical in all bearings. We have a large toiling population, growing more and more permanent. It is certain that, in the years to come, the vast majority of their children will be born to a heritage of labor in these mills and workshops. Let us, then, adapt the work of education to their needs.

THE BIBLE IN THE SCHOOLS.

In April last, a resolution prohibiting the reading of the Bible in the schools was presented to the Board. Subsequently two petitions from citizens, asking its passage, were received. Except the argument of the mover of the resolution, there was no discussion of this subject by members of the Board. The policy of the majority was to let it alone, and this not from any desire to suppress discus-

sion on either side. A respectful hearing was given to all who desired to speak; yet they believed that their duty as school officers was to follow, rather than to direct, public opinion upon a subject so delicate and important. It touches the deep-seated opinions of men; it involves the sensitive beliefs and prejudices of religious sects. These cannot be changed by the vote of a school committee. It was unfortunate that the subject was introduced in a manner calculated to provoke hostility. The mover's argument attacked the Bible as a book, and so stirred at once the sectarian feeling. This may have been desired by some of the petitioners. It is known that such a result is the dearest wish of the enemies of the public schools. The Board was wise in doing no act to encourage such a spirit. The question of the secularization of the schools is receiving the attention of the ablest minds in the country, and is discussed without attack upon the Bible, or any man's religious belief. Let it have such discussion here, or none at all. There is no indication that the majority of our people now desire this change. There must be more time for information; more opportunity for a display of purpose on the part of its advocates, and for removal of distrust in the minds of its opponents. There is no authority conferred upon the School Committee by which the reading of the Bible or any other devotional exercise can be commanded or enforced. On the other hand, it is clear that, by the spirit of the constitution and laws of the State, there can be no compulsory exclusion of them. It was intended that the matter should be left to the judgment and consciences of the people in each district. The committee may recommend, but their regulations cannot be enforced without the common consent of the community. Acting upon this view, the subject was indefinitely postponed.

There is one consideration, however, which stands opposed to this view, and seems to call for immediate action.

It is well known that some 1,500 children of Catholic parents are not in the public schools. Every good citizen deplores this, and would willingly make any reasonable concession to bring them in. It has been repeatedly said that this result would follow the removal of the Bible from the schools. The mover of this resolution based his argument largely upon this assumption. It is urged as a peculiar local reason for secularizing the schools. Probably many of the petitioners gave their signatures with this belief. It is time this delusion was ended. No act of ours can make the public schools acceptable to the Catholic church, according to the declaration of one of its leading organs, which says :

“There is no possible programme of common school instruction that the Catholic church can permit her children to accept.

“If the Catholic translation of the books of Holy Writ, which is to be found in the homes of all our better educated Catholics, were to be dissected by the ablest Catholic theologian in the land, and lessons to be taken from it such as Catholic mothers read to their children, with all the notes and comments of the highest Catholic endorsement,—if these admirable lessons, and these alone,—were ruled to be read in the public schools, this would not diminish the objections Catholics have to letting their children attend the public schools.”

It is noticeable that those who advocate the removal of the Bible from the schools are professedly very desirous that morality and virtue shall be taught. So are the friends of the Bible. Neither party are doing anything to accomplish this end. Matthew Arnold said: “The Bible is a record of the truths most vital to humanity, and is, when rightly read, a fountain of moral inspiration, no less than a guide to the best philosophy of life.” No such use of it is now made in the schools. On the other hand, its oppo-

nents, to be consistent in their zeal for purer morals, should give us a better text-book. It were better to have no text-books, if they are to be unused. As well insist on providing the schools with spelling-books and have no spelling, as to keep the Bible or any other book on morals in the schools, and yet leave the subject itself untaught.

Sooner or later we must consider the question, Shall we have positive moral teaching in the public schools, conducted like other studies, with regularity and system? If this discussion might end in the recognition of the necessity for such teaching, and the adoption of some unsectarian and practical method, we could all afford to yield our partisan positions. The times in which we live are fearfully suggestive of the need of opening *somewhere* a fountain that shall purge the foul channels of business, finance and politics. The public school is recognized as the great educator in citizenship so far as intelligence is concerned; why not in morals as well? The moral character of the man is the fruit of the moral growth of the boy; to direct that growth is to determine the character of the citizen. Intelligence is not the sum of good citizenship. Any one of our great cities spends more money for education to-day than the whole nation spent a century ago. The machinery for making *intelligent* citizens is complete; the average of intelligence rises, while vice and crime rapidly increase. It is acknowledged that the greatest danger to our institutions lies in the great cities, and not so much from their illiteracy as from the growing power of unprincipled, de-conscienced men.

One-sixth of the entire vote cast at the last city election in Boston was thrown by men who during the year had been under arrest for crime! The State cannot hope to reform bad men, but it may save the child from immoral development. Our Catholic friends are wrong in their assertion that immorality is the fruit of the public school

system, but they are right in their theory that the faithful in the church—followers even more loyal to her than to the State—are secured in the training of the child. So must the State teach for her own safety. This was no doubt contemplated by the founders of the system of public instruction. Good behavior was one of the seven studies anciently prescribed by law for the common schools of Massachusetts. The founder of the Phillips Exeter Academy enunciated the great proposition which should underlie every system of education when he said, “though goodness without knowledge is weak and feeble, yet knowledge without goodness is dangerous, and both united form the noblest character and lay the surest foundation of usefulness to mankind.”

From many causes, the moral power of the public school has declined, until its impress upon character is little more than nominal. There is a sentiment that the home, the church and the Sunday school are doing this work. The poor of great cities have no homes; the church fails to reach the most needy. One organization, and only one, can lay its hand upon every child for this purpose, and that is the public school.

OTHER MATTERS.

New text books on Astronomy, Physiology, and Geology, have been adopted for use in the High School, in place of outdated treatises. The new Franklin series of Readers has been introduced into all the schools.

A rule has been adopted defining the time and rate of increase in teachers' salaries. A small annual increase is allowed up to the third year of service.

The rates of tuition for non-resident pupils have been fixed at 62½ cents per week for the High School, and 50 cents per week for the lower grades.

A new regulation requires teachers to keep separate re-

records of the department and scholarship of pupils. Heretofore, the percentage attained by a scholar represented an average of both. Now, scholarship will stand upon its own merits.

The State Legislature of last year transferred from the School Committee and Board of Aldermen acting jointly, to the School Committee alone, the authority to elect a Superintendent, define his duties, and fix his compensation. On the first attempt to elect under this act, in September, repeated ballotings resulted in an equal number of votes for each of two candidates, and the office is still vacant.

Whatever excuse is offered for such a condition of things, its effect is none the less damaging to the schools. A department of public affairs annually expending a sum nearly equal to all the other current city expenses put together, must not be allowed to drift without an authorized head. With our present custom of electing to the office of school committee men who have no time to properly attend to their duties, a Superintendent is an indispensable officer.

At the risk of being considered too progressive, I will suggest that the election of ladies as members of the Committee might result in good to the schools. Such has been the effect in other places.

CONCLUSION.

The schools are again commended to the watchful care of our citizens. For more than two hundred years the people of New England have maintained a system of public instruction. So completely have the schools met the wants of all classes, that until recently it was rare to hear a voice questioning their utility or refusing them support. To-day, an organized and determined enemy threatens the life of the whole free school system. With increase of population and a greater diversity of interests, important questions have arisen concerning the management of

schools. It is discovered that they are not always good because costly, nor because conducted according to the latest plans of the theorists. All such questions are legitimate subjects of discussion by the people. Misfortune will surely come upon that community which loses its interest in the cause of education, or ceases to intrust its schools to the care of its ablest and most prudent citizens.

COURSES OF STUDY IN THE HIGH SCHOOL.

Revised August, 1876.

BUSINESS COURSE.—TWO YEARS.

FIRST YEAR.

- 1st Term.*—Commercial Arithmetic, English Grammar, Physical Geography, Penmanship.
2d Term.—Algebra, Physical Geography, English Composition, Book-keeping (single entry).
3d Term.—Algebra, Physiology, Review of U. S. History, Book-keeping (double entry).

SECOND YEAR.

- 1st Term.*—Geometry, Natural Philosophy, General History.
2d Term.—Geometry, Natural Philosophy, Political Economy.
3d Term.—Chemistry, English Literature, Science of Government.

Rhetorical Exercises and Spelling throughout the course.

Optional.—Free-hand Drawing and Music, first year; Principles of Perspective Drawing and Music, second year.

ENGLISH AND FRENCH COURSE.—FOUR YEARS.

First and second years same as Business Course.

THIRD YEAR.

1st Term.—Trigonometry, Chemistry, English Literature.

2d Term.—Surveying, Natural History, Rhetoric.

3d Term.—French, Botany, Ancient History.

FOURTH YEAR.

1st Term.—French, Botany, Astronomy.

2d Term.—Geology, Mental Philosophy, French.

3d Term.—Moral Philosophy, Reviews of English branches.

Rhetorical Exercises and Composition throughout the course. Music and Drawing optional.

CLASSICAL COURSE.—FOUR YEARS.

Latin and Greek, with the English branches of the four years' course, as far as practicable.

LIST OF TEACHERS AND JANITORS.

HIGH SCHOOL—BEECH STREET.

	Salary.
Principal—Albert W. Bachelor	\$2,000
Assistant—Herbert W. Lull	1,000
“ Lucretia E. Manahan	800
“ Emma J. Ela	500
“ Mary A. Buzzell	500
“ Maria F. Kidder	500

INTERMEDIATE SCHOOL—LOWELL STREET.

Principal—J. Y. Cressey	800
Assistant—Emma H. Perley	450

TRAINING SCHOOL—MERRIMACK STREET.

Higher Department.

Principal—Nancy S. Bunton	\$600
Assistant—Mintie C. Edgerly	450

Primary Department.

Principal—Martha N. Mason	500
Assistant—Anna O. Heath	450

GRAMMAR SCHOOLS—FRANKLIN STREET.

Principal—Daniel A. Clifford	1,500
Assistant—Annette McDoel	500
“ Lottie R. Adams	450
“ Carrie E. Reid	450

LINCOLN STREET.

Principal—Benjamin F. Dame	1,500
Assistant—Julia A. Baker	500
“ Mary J. Fife	450
“ Isabelle R. Daniels	450

ASH STREET.

Principal—William E. Buck	1,500
Assistant—Anstrice G. Flanders	500
“ Rocilla M. Tuson	400
“ Martha J. Boyd	450

SPRING STREET.

Principal—Edward P. Sherburne	1,000
Assistant—Mary L. Sleeper	450
“ Sarah J. Greene	450

PISCATAQUOG—NORTH MAIN STREET.

Principal—William M. Stevens	1,000
Assistant—Mary A. Lear	400
“ Fredrica S. Mitchell	350

AMOSKEAG.

Etta J. Carley	\$400
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MIDDLE SCHOOLS.

No. 1, Blodget street—Nellie I. Sanderson	450
2, Ash street—Mary A. Smith	375
3, Ash street—Hattie S. Tozer	450
4, Lincoln street—Anna J. Dana	400
5, Lincoln street—Mary F. Barnes	450
7, Franklin street—Hattie G. Flanders	450
8, Franklin street—C. Augusta Abbott	450
9, Spring street—Cleora E. Bailey	450
10, Spring street—Lizzie P. Gove	450
11, Centre street—Florence McEvoy	350

PRIMARY SCHOOLS.

No. 1, Blodget street—Ellen B. Rowell	450
2, Manchester street—Clara N. Brown	450
3, Ash street—Georgianna Dow	450
4, Ash street—Helen M. Morrill	450
5, Lowell street—Annie M. Offut	450
6, Wilson Hill—Abbie E. Abbott	450
7, Lincoln street—Emma F. Beane	450
8, Lowell street—Elvira S. Prior	400
9, Manchester street—Julia A. Dearborn	350
10, Manchester street—Nellie Pearson	450
11, Franklin street—E. Jennie Campbell	400
12, Franklin street—Martha W. Hubbard	450
13, Spring street—Anne H. Abbott	350
14, Spring street—Nellie M. Whitney	450
15, Centre street—Jennie F. Bailey	375
16, Centre street—Nellie E. Tappan	450
17, South Main street—Alice G. Lord	450
19, Amoskeag—Jennie G. Stebbins	350
20, South Main street—Sarah D. Lord	450
21, Centre street—Augusta S. Downs	375

SUBURBAN SCHOOLS.

No. 1, Stark District—Nellie M. Cate	\$450
3, Bakersville—	
Principal, Addie M. Chase	500
Assistant, S. Isetta Locke	400
4, Goffe's Falls—Georgie A. Nute	350
5, Harvey District—Flora I. Haines	350
6, Webster Mills—Olive J. Randall	400
7, Hallsville—Maria H. Hildreth	500
8, Youngsville—Nellie L. Marsh	400
9, Mosquito Pond—Lana S. George	400

MUSIC TEACHER.

Jason J. Kimball	\$1200
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JANITORS.

High School, Ash street and Blodget street.

Volney W. Fairbanks	\$550
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Lincoln street and Merrimack street.

George W. Hunkins	\$400
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Franklin street, Spring street and Manchester street.

John A. Carr	\$550
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Old High School House, Wilson Hill, 'Squog Grammar School, North Main street, and South Main street.

Tuck & Co.	\$550
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TABLE SHOWING THE ATTENDANCE AT THE VARIOUS SCHOOLS FOR THE PAST YEAR.

SCHOOLS.	Whole number belonging to the School.			Average No. belonging.	Average daily attendance.	Percentage of attendance.
	Boys.	Girls.	Tot'l.			
High School...	97	138	235	209	196	94
Intermediate School.....	145	25	170	47	40	85
Training School, Higher Department.....	55	59	114	68	65	96
Training School, Primary Department.....	75	84	159	76	73	96
Franklin-street Grammar School.....	73	93	166	135	130	96
Lincoln-street Grammar School.....	129	160	289	156	151	97
Ash-street Grammar School.....	102	115	217	164	157	96
Spring-street Grammar School.....	68	66	134	98	96	98
Piscataquog Grammar School.....	77	61	138	92	91	99
Amoskeag Grammar School.....	20	25	45	23	22	95
Middle School No. 1.....	20	40	60	38	34	90
“ “ “ 2.....	32	47	79	74	71	96
“ “ “ 3.....	44	41	85	45	44	98
“ “ “ 4.....	36	39	75	41	38	93
“ “ “ 5.....	41	42	83	40	39	97
“ “ “ 6.....	36	39	75	38	32	84
“ “ “ 7.....	39	30	69	38	37	97
“ “ “ 8.....	51	46	97	39	37	95
“ “ “ 9.....	49	53	102	38	36	95
“ “ “ 10.....	41	45	86	41	36	90
Primary “ “ 1.....	62	44	106	38	35	92
“ “ “ 2.....	38	46	84	40	35	92
“ “ “ 3.....	42	48	90	50	46	92
“ “ “ 4.....	62	36	98	34	32	94
“ “ “ 5.....	43	29	72	33	32	97
“ “ “ 6.....	41	30	71	40	38	95
“ “ “ 7.....	53	50	103	47	43	91
“ “ “ 8.....	87	66	153	41	34	83
“ “ “ 9.....	57	52	109	44	41	93
“ “ “ 10.....	38	44	82	42	41	98
“ “ “ 11.....	52	38	90	44	43	98
“ “ “ 12.....	60	47	107	40	38	95
“ “ “ 13.....	44	45	89	42	37	88
“ “ “ 14.....	54	45	99	43	40	93
“ “ “ 15.....	41	54	95	47	44	94
“ “ “ 16.....	37	22	59	30	29	97
“ “ “ 17.....	36	34	70	43	39	90
“ “ “ 18.....	25	33	58	35	33	94
“ “ “ 19.....	34	27	61	29	28	97
“ “ “ 20.....	22	26	48	40	38	95
“ “ “ 21.....	10	8	18	12	10	83
Suburban School, District No. 1.....	51	55	106	65	60	92
“ “ “ “ 3.....	27	26	53	38	36	95
“ “ “ “ 4.....	23	13	36	34	20	60
“ “ “ “ 5.....	9	6	15	13	12	92
“ “ “ “ 6.....	27	19	46	33	30	91
“ “ “ “ 7.....	24	22	46	30	26	90
“ “ “ “ 8.....	15	10	25	15	14	93
“ “ “ “ 9.....						
Total.....	2344	2723	4767	2542	2379	93

A BRIEF HISTORY

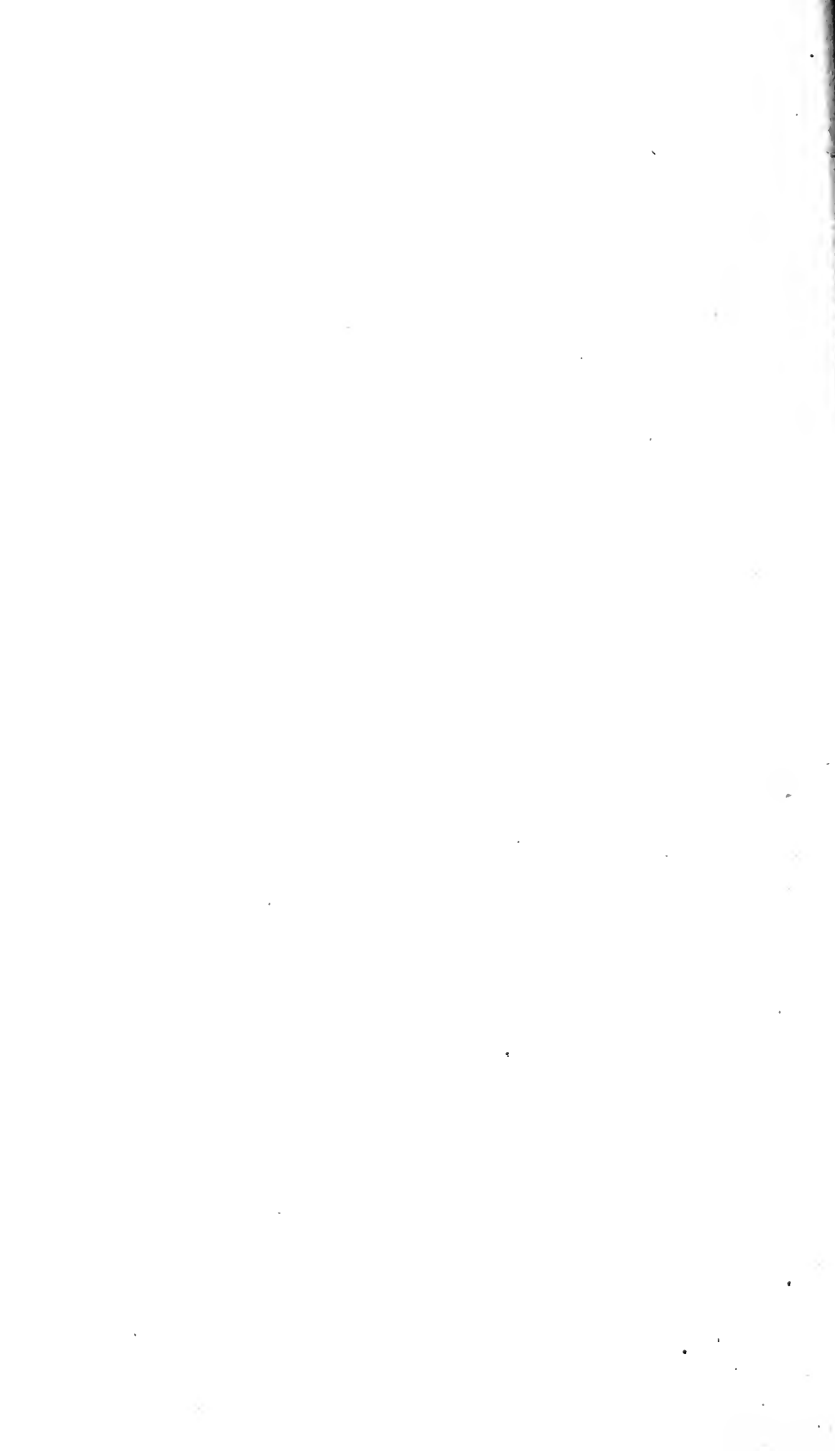
OF THE

SCHOOLS OF MANCHESTER, N. H.,

FORMERLY

DERRYFIELD.

BY WILLIAM LITTLE, Esq.



SCHOOLS OF MANCHESTER, N. H.

From 1722, when the first white man came to town, till 1876, there has been a steady growth of our schools. The private school was the germ. These were kept in the houses or barns of the settlers, for there were no school-houses then. Men paid the teachers out of their own pockets, gave the fuel and board, but often long intervals elapsed between terms, especially in time of French and Indian wars.

These private schools were often kept at Mr. John Hall's at the Centre, where is now the corner of Young and Mas-sabesic streets. Scholars went there from all parts of the town, it being thought no hardship in those days to go three or five miles to school. John Ray and the Starks went there from north of Amoskeag Falls; Goffes, Kidders and others, from Goffe's Falls, and McMurphys, Websters, and many more from the south and east part of the town.

PUBLIC SCHOOLS.

The first action by the town for the support of schools was December 25, 1781. It was then "voted that the town hire a school master nine months this year coming." There were no school-houses, and the selectmen arranged to have the schools kept at farm houses in different parts of the town.

February 12, 1782, there was a town meeting, and the third article in the warrant was "To see if the town will Except the Several Divisions the Selectmen have appointed the Scoole to bee kept at."

"Voted that the Scoole be kept at Enos Webster and at Joseph farmers and at Lieut. John Halls and at Joseph Simonds and to be equally divided at each of these places."

Enos Webster lived on the river road a mile north of Goffe's Falls, near where John Calef lives now. Joseph Farmer lived in the old Kidder house which stood near the corner of Chestnut and Orange streets; John Hall was at the Centre, and Joseph Simonds lived where Mosquito pond school-house, No. 9, now is. Manchester was called Derryfield then.

In 1783 the town voted at the annual March meeting not to raise any money for schools; but this vote was reconsidered and then voted that the town raise nine pounds for the use of schools.

No schools were kept by the town for the next five years, but in 1788 the town

"Voted Nine Pounds to be laid out for a town school this year." "Voted that the Selectmen to the Best of their Judgement provid Schoolen for the Benefite of the town for all the nine pounds."

In 1791 the State passed a law that each town should raise a school tax, and schools have been kept in town from that time, every year. For the first ten years \$59 was the largest sum raised any one year, and then the sum slowly grew, till in 1836 \$243.13 was raised. The "New Village," now the city of Manchester, was begun that year, and in 1837-38 \$916.87 was paid for schools. Since that time the sum paid for schools each year has had a more rapid growth, and in 1875, \$39,436.08 was paid teachers alone, and the whole expense of schools that year was

\$63,436.62. The largest amount ever paid for schools and school-houses any one year, 1872, was \$91,012.31.

SCHOOL DISTRICTS.

In 1783, at the annual March meeting, the town voted that the "selectmen Divide the town into four Districts according to the polls and estate for the school to be kept in." October 16, 1783, they reported that they had divided the town, Derryfield, "into four Districts for the Benefit of schooling there Children." The first district was the upper end of the town, and as far down on the river road as John Brown's. He then lived two miles below the present City Hall; the second, south on the river road to Litchfield; the third, the north and east part of the town to Chester, now Auburn, and the fourth the southeast part next to Londonderry. The district system continued in Manchester eighty five years.

In 1793 there were three districts; the first about Amoskeag Falls, above and below; the second at Goffe's Falls, and the third the easterly part of the town. In 1808 there were five districts, but no record of the bounds was ever made on the town books. In 1818 Stark district was cut off from No. 1, and called No. 7; Goffe's Falls was cut from No. 3, and called No. 6; and some time after Amoskeag Falls district was cut from No. 2, and called No. 8.

In 1840 the scholars were so many that a new division had to be made, and November 2, the selectmen, having been authorized at a former meeting, reported that No. 1 should be Stark district; No. 2, where city proper now is; No. 3 at Bakersville; No. 4, Goffe's Falls; No. 5, Harvey District; No. 6, Wilson Hill; No. 7, Hallsville or Manchester Centre; No. 8, Massabesic and present No. 6 or Pumping Station, and No. 9, Mosquito pond.

Prior to 1853, No. 6, of 1840 division, was discontinued, and part of it went to No. 2, city, and part of it to No. 7,

Hallsville, and the present No. 6 established. In 1853 Piscataquog and Amoskeag villages, parts of Bedford and Goffstown, were annexed to Manchester, and District No. 10, 'Squog, and No. 11, Amoskeag made. This division continued till 1868, when it was abolished by act of the Legislature, and the city assumed control of the schools as a whole. The city council appropriates the money for the schools, and it is expended under direction of the school board.

SCHOOL-HOUSES.

The first school-house in town was built in 1785. It stood on the north bank of Christo brook and just below Amoskeag Falls on the east side of the road to the Centre. The men who lived near that place built it with no help from the town. It had four roofs, and a door on the south side. Within there was an entry about the door in the south-east corner, a great stone fire place on the east side, the teacher's desk in the north-east corner and seats placed on a sloping floor were on the west side. These were in two rows, made for fifty pupils; the girls on the north side of the house, the boys on the south, and all sat backs to the road. There were no blackboards then; none in town for more than fifty years after. This house cost about sixty dollars. It stood by Christo brook till 1798, when another was built in its place. In 1842 the New Village took it down and erected the third house in that place. The latter was burned in 1859, and Blodget street house was at once built.

Two efforts were made in 1787 to raise money to build three school-houses. The town voted each down, but in 1788, March 8, men changed their minds and voted to raise three hundred dollars for the purpose of building school-houses.

Agreeably to a motion by Capt. John Goffe the following articles were voted:

“Voted, 1. That each person paying taxes have Liberty to work out his School tax or find Materials to build with, and shall be allow'd fifty cents per day for a good days work, and the Market Prise for Materials found, provided said work be done before the Last day of October next.

“Voted, 2. That the Selectmen appoint a suitable person to each School House (the Comunity shall appoint to be built) to Superintend the building of the same and shall give him a list of the persons belonging to the same with their Taxes who shall allow the persons working or finding materials the prise for the same and the person having the list shall return the same to the Colector by the first day of November Who shall allowe the same.

“Voted, 3. That the persons belonging to the School House Built near Esqr. Stark's be allowed their school House Tax to finish their school House and repay those Who have done more than their proportion in building the saim.”

“The House proceeded to the choice of their Committee When the following Gentlemen were Chosen, viz. : Samuel P. Kidder, John Ray, John Stark, Esqr. ; on Motion being made the following Gentlemen were added to the Committee, viz. : Capt. John Goffe and Maj. John Webster.

“Voted, that the Town be Classed in three Classes : No. 1, 2 and 3.”

The Committee upon dividing the Classes made the following report :

“We, the subscribers, being appointed a Committee to determine on the places to build three school-houses in the Town of Derryfield: We have accordingly Viewed and Determined on said places, viz. : The first to be the school-house standing near John Stark's Esqr., and to be finished Where it now stands, and to be called the FEDERAL SCHOOL HOUSE.

“The second school-house to stand on the Highway be-

tween Capt. Samuel Moor and Enos Webster on the north side of the spring that runs Cross the Road, and to be called the UNION SCHOOL HOUSE.

“The third school-house to stand on the highway between Archibald Grant and Maj. John Webster, to be set within six Roods of the spot where the school-House is now Framed, and to be called the FREEDOM SCHOOL HOUSE.

Derryfield, July 7th, 1798.

JOHN STARK,	} <i>Committee.</i>
JOHN RAY,	
SAMUEL P. KIDDER,	
JOHN WEBSTER,	
JOHN GOFFE,	

“The FEDERAL SCHOOL HOUSE was framed and put up at John Stark’s Esqr., who lived in the old Kidder house, corner of Chestnut and Orange streets, but was moved down to the place by Christo brook, where the first school-house in town was built, finished off and stood there till 1842.

“The UNION SCHOOL HOUSE stood on the east side of the road, under the hill, just north of the present water-trough at the spring, a mile above Goffsfalls.”

The FREEDOM SCHOOL-HOUSE stood in the corner of the roads, opposite the present Mosquito pond school-house.

These were cheap houses, costing one hundred dollars each, and were all built in about the same style.

In 1808 another school-house was built by Moses Haseltine, at the Centre, near John Hall’s.

About 1829, a school-house was built in the Stark district, the school in that district having been kept, before that time, in Lieut. John Stark’s barn and in Amos Kimball’s old house.

The division of the town, Nov. 2, 1840, into nine districts, necessitated the building of many new school-houses, and in 1841, \$3,485.82 was spent for that purpose. New houses of wood were built this year, in Nos. 3, 4, 5, 6, 7,

8; several of the same kind in No. 2, city, which were placed upon lots hired of the Amoskeag Manufacturing Co., or upon lots bought by the city. Other school-houses, of more value and durability, have been built as follows:

The Old High School-house was begun in 1841 and finished in 1842. It stands at the corner of Lowell and Chestnut streets, and cost about \$3,000. The Amoskeag Manufacturing Company gave the lot, and Daniel Clark, E. A. Straw and Alonzo Smith were the building committee. The house is a plain, brick one, two stories high, 49 feet wide, and 62 feet long.

Janesville School-house was built in 1842, on a lot bought of John Hall.

A small wooden school-house was built at the corner of Manchester and Chestnut streets, upon a lot containing 7,500 square feet, bought of the Amoskeag Manufacturing Company for \$500, where the old Intermediate school-house now stands.

May 23, 1844, the city bought a lot at the corner of Merimack and Union streets, of the Amoskeag Manufacturing Company, for \$650, containing 12,600 square feet, and a wooden house for two primary schools was built.

Park-street School-house stands on a lot containing 10,500 square feet, bought June 23, 1846, of the Amoskeag Manufacturing Company. It was finished in 1847, brick, two stories high, 80 feet long, 52 feet wide. It has four primary school-rooms on the first floor, and it is fitted for a Grammar school on the second floor.

In 1847, May 7, the District No. 2 bought a lot at the corner of Bridge and Union streets, of the Amoskeag Manufacturing Company, for \$500, and built a wooden house for two lower-grade schools.

Spring-street Grammar School-house was built in 1848. The lot on which it stands contains 13,600 square feet, and was bought of the Amoskeag Manufacturing Company for

\$1,700. The house is two stories high, 80 feet long and 46 feet wide. There are four primary schools on the first floor and a Grammar school on the second.

The Old Intermediate School-house, at the corner of Chestnut and Manchester streets, was built of brick, in 1853. It is valued at \$8,000; is 48 feet long, 42 feet wide and two stories high. Two primary school-rooms are on the first floor, two rooms on the second, where the Intermediate school was formerly kept, and in the attic is a truant school-room.

Wilson-Hill School-house is at the corner of Manchester and Wilson streets. The lot, 16,000 square feet, was bought May 4, 1855, of Luther Aiken, for \$625. The house is of wood, one story high, 40 feet square, and has two school-rooms, one for a primary and one for a middle school. Value, \$3,300.

Training School-house is at the corner of Merrimack and Union streets, and was built of brick in 1855-56. It is two stories high, 68 feet long by 45 feet wide, and has four school-rooms; value, \$15,000.

The Centre-street School-house, at Piscataquog, was built in 1856, and is valued at \$5,000.

Main-street School-house, Piscataquog, was built in 1856, and is valued at \$2,800.

Franklin-street School-house, built 1857; value, \$18,000.

Blodgett-street School-house, built 1859; value, \$3,000.

Massabesic School-house No. 8, built 1860; value, \$1,400.

Mosquito-Pond School-house No. 9, built 1860; value, \$1,000.

Amoskeag Grammar School-house No. 11, built 1860; value, \$3,700.

Bakersville School-house No. 3, built 1863; value, \$3,500.

Harvey District School-house No. 5, built 1865; value, \$2,500.

Hallsville School-house No. 7, built 1866; value, \$3,500.

High School House, built 1867 ; value, \$45,000.

Piscataquog Grammar School-house No. 10, built 1870 ; value, \$12,000.

Goffe's Falls School-house No. 4, built 1870 ; value, \$3,600.

Stark District No. 1, built 1871 ; value, \$3,000.

Lincoln-street Grammar School-house, built 1871 ; value, \$50,000.

Ash-street Grammar School-house, built 1874 ; value, \$60,000.

The old school-house at Amoskeag village was built by Goffstown, and came with the cession of the land to Manchester.

SCHOOL COMMITTEES.

For many years after the first public school in 1781, the selectmen hired and paid the teachers and built and repaired the school-houses. In 1828, prudential committees* were first chosen, and these continued in all the districts till 1846, when the city charter was granted by the Legislature. They called the district meetings, hired and paid the teachers, procured the fuel and made small repairs, to an amount not exceeding 5 per cent of the school money.

In 1829 a *superintending school committee* was first chosen by the town. They continued till 1846. Their duties were to examine all teachers as to their qualifications to teach, give certificates of teacher's competency, without which no teacher could draw his pay ; visit the schools, and report generally upon their state or condition.

We have been unable to find the names of but a few of the superintending school committees who served previous to 1846. We append the few we have found, and also the school committee chosen each year since by the wards.

* At the annual town meeting, held March, 1828, the town chose the following Prudential Committee : District No. 1, John Ray ; No. 2, Samuel Jackson ; No. 3, Joseph Moor ; No. 4, James McQueston ; No. 5, John Proctor ; No. 6, Daniel Watts ; No. 7, John Stark, Jr. In 1829 the town voted that the districts choose their Prudential Committee.

1841.

Samuel D. Bell,
Joseph M. Rowell,
Isaac C. Flanders.

1844.

W. H. Moore,
Daniel Clark,
David P. Perkins,
Joseph Knowlton.

1845.

W. H. Moore,
B. Brierly,
H. D. Dexter.

1846.

Archibald Stark,
Nathaniel Wheet,
Joseph Knowlton,
Moses Hill,
James McColley,
W. W. Brown,
C. H. Eastman.

1847.

Ephraim Stevens,
J. G. Sherburne,
Thomas Brown,
Moses Hill,
John S. Elliott,
W. W. Brown,
C. H. Eastman.

1848.

Ephraim Stevens, jr.,
John B. Clarke,
A. M. Chapin,
Archelaus Wilson,
James Hersey,
W. W. Brown,
William Grey.

1849.

A. M. Chapin,
Josiah Crosby,
Sylvanus Bunton,
David P. Perkins,
John S. Elliott,
J. Y. McQueston.

1850.

William G. Means,
Josiah Crosby,
Chandler E. Potter,
David P. Perkins,
John S. Elliott,
J. Y. McQueston.

1851.

A. M. Chapin,
Josiah Crosby,
J. C. Tasker,
F. B. Eaton,
A. B. Fuller,
Amos Abbott.

1852.

James O. Adams,
D. C. Bent,
J. C. Tasker,
F. B. Eaton,
J. E. Bennett,
C. H. Eastman.

1853.

James O. Adams,
William Grey,
Sylvanus Bunton,
Justin Spaulding,
A. G. Tucker,
C. H. Eastman.

1854.

T. T. Abbott,
Wm. Sage,
J. C. Tasker,
John H. Goodale,
E. A. Jenks,
T. P. Sawin,
B. F. Wallace,
J. B. Quimby.

1855.

Reuben Dodge,
H. M. Bacon,
Jonathan Tenney,
E. M. Topliffe,
Benj. Currier,
S. D. Lord,
John O. Parker.

1856.

Reuben Dodge,
A. C. Heath,
Jonathan Tenney,
J. D. Patterson,
Benjamin Currier,
S. D. Lord,
B. F. Wallace,
D. P. Currier.

1857.

Seth Hill,
Ephraim Corey,
William L. Gage,
J. E. Bennett,
J. B. Hoitt,
J. Y. McQueston,
Geo. A. Bowman,
Thomas S. Montgomery.

1858.

Seth T. Hill,
E. B. Merrill,
F. B. Eaton,
Moses T. Brown,
J. B. Hoitt,
J. Y. McQueston,
George A. Bowman,
Thomas S. Montgomery.

1859.

Seth T. Hill,
E. B. Merrill,
Justus D. Watson,
Amos W. Sargent,
George H. Hubbard,
J. Y. McQueston,
James P. Walker,
Thomas S. Montgomery.

1860.

Seth T. Hill,
Waterman Smith,
Justus D. Watson,
Amos W. Sargent,
George H. Hubbard,
James O. Adams,
B. F. Wallace, *resigned*,
S. Webber, *vice* Wallace,
Thomas S. Montgomery.

1861.

John Hosley,
Waterman Smith,
James B. Straw,
Hiram Hill,
John Coughlin,
James O. Adams,
Samuel Webber,
Daniel Farmer, jr.

1862.

John Hosley,
Waterman Smith,
James B. Straw,
Hiram Hill,
John Coughlin,
George Pierce,
Samuel Webber,
Daniel Farmer, jr.

1863.

Seth T. Hill,
Waterman Smith,
Benjamin F. Bowles,
Holmes R. Pettee,
William Little,
George Pierce,
Samuel Webber,
Daniel Farmer, jr.

1864.

Seth T. Hill,
Waterman Smith,
Benjamin F. Bowles,
Holmes R. Pettee,
William Little,
George Pierce,
Samuel Webber, *resigned*,
J. P. Whittle, *vice* Webber,
John E. Stearns.

1865.

William G. Perry,
Waterman Smith,
Benjamin F. Bowles,
Isaac W. Smith,
William Little,
Ignatius T. Webster,
John M. Ordway,
John E. Stearns.

1866.

William G. Perry,
Waterman Smith,
Benjamin F. Bowles,
Isaac W. Smith,
William Little,
Ignatius T. Webster,
John M. Ordway,
Thomas L. Thorpe.

1867.

Henry T. Mowatt,
Waterman Smith,
Moody Currier,
George W. Weeks,
William Little,
J. Y. McQueston,
James P. Walker,
Thomas L. Thorpe.

1868.

Henry T. Mowatt,
Marshall P. Hall,
Moody Currier,
George W. Weeks,
William Little,
Daniel C. Gould, jr.,
James P. Walker,
Thomas S. Montgomery.

1869.

Henry T. Mowatt,
Marshall P. Hall,
Daniel Clark,
Samuel Upton,
William Little,
Elbridge D. Hadley,
James Dean,
De Lafayette Robinson.

1870.

Henry C. Sanderson,
Marshall P. Hall,
Thomas Borden,
Samuel Upton,
Patrick A. Devine,
Ephraim S. Peabody,
James Dean,
De Lafayette Robinson.

1871.

James A. Weston, } *ex-*
William R. Patten, } *officio*,
Henry C. Sanderson,
Marshall P. Hall,
Thomas Borden,
Samuel N. Bell,
Patrick A. Devine,
William P. Merrill,
James Dean,
De Lafayette Robinson.

1872.

Person C. Cheney, } *ex-*
Edwin Kennedy, } *officio*,
Henry C. Sanderson,
Marshall P. Hall,
Daniel Clark,
Samuel Upton,
Patrick A. Devine,
Daniel C. Gould,
James Dean,
De Lafayette Robinson.

1873.

Charles H. Bartlett, *resigned*,*
John P. Newell *vice* Bartlett,*
Charles A. Smith,*
Henry E. Burnham,
Marshall P. Hall,
Daniel Clark,
Nathan P. Hunt,
Frank J. Murray,
Frank G. Clark, *resigned*,
Edwin Kennedy, *vice* Clark,
George P. Rockwell,
George H. Colby.

1874.

James A. Weston, } *ex-*
Rufus H. Pike, } *officio*,
Henry E. Burnham,
Marshall P. Hall,
John G. Lane,
Nathan P. Hunt,
Frank J. Murray,
Edwin Kennedy,
George P. Rockwell, *resigned*,
J. K. McQuesten, *vice* Rock-
John E. Stearns. [well,

* *Ex-officio*.

1875.

Alpheus Gay, }
 Joel Daniels, } *ex-officio*,
 John W. Severance,
 Marshall P. Hall,
 John E. Stearns,
 John P. Newell,
 J. J. Sullivan,
 Lucien B. Clough,
 William F. Byrns,
 Nathaniel W. Cumner,
 Samuel P. Jackson,
 Martin Fitzgerald,
 William Little,
 Newton H. Wilson,
 John K. McQuesten,
 James P. Walker.

1876.

Ira Cross, }
 Arthur Dinsmore, } *ex-officio*.
 Marshall P. Hall,
 George W. Stevens,
 John P. Newell,
 Joseph Kidder,
 Lucien B. Clough,
 Isaac L. Heath,
 Nathaniel W. Cumner,
 William F. Byrns,
 Martin Fitzgerald,
 Samuel P. Jackson,
 Newton H. Wilson,
 William Little,
 James P. Walker,
 Isaac W. Darrah.

By the city charter of 1846, the school committee were elected annually, one from each ward, who should perform all the duties of the superintending and prudential committees. In 1870, an act of the Legislature provided that the Mayor and President of the Common Council should be members of the school board, *ex-officio*, and in 1874 the Legislature enacted that the school board should consist of the Mayor and President of the Common Council and two members from each ward, to hold their office two years, of whom one shall be elected each year. There are fourteen members at present, beside the Mayor and President of Common Council. Each has a salary of \$10 per year, and the clerk of the board gets \$25 for his work.

SUPERINTENDENTS.

By act of the Legislature of 1855 it was required that the boards of Mayor and Aldermen and the School Committee should elect, every two years, a Superintendent of schools, to hold his office for that length of time. His duties are to visit the schools, to classify the scholars and equalize the attendance upon the different schools. He shall advise in cases of discipline and endeavor to raise the

standard of the schools. He shall attend to all immediate repairs needed, purchase temporary supplies of fuel, also stationery, blanks, forms and other printed matter, and annually make a written report to the board. He is to furnish supplies to the teachers, have the direction of the transfer of scholars from one school to another, shall aid in the examination of teachers, and have cognizance of all cases of truancy. He shall have his office in the School Committee room, in the City Hall, and be in his office at least one hour each school day. At each monthly meeting of the Board he is required to submit a monthly report in writing.

James O. Adams was elected in 1855, and held the office until 1859. His salary was \$500. John W. Ray was elected in 1859, and held the office till 1860. His salary was \$500. James O. Adams was elected again in 1860, and held the office till 1867. Salary, \$700. Joseph G. Edgerly was elected in 1867, and held the office till 1875. Salary, \$1,800. Josiah G. Dearborn was elected in 1875. Salary, \$1,800.

TEACHERS AND THEIR SALARIES.

Jonathan Rand was the first teacher in town of whom any record can be found. He was paid \$8 per month, and taught in 1791. Edward Blodgett, Stephen Potter and Frederick Hastings taught in 1792; William White and Peter Severens in 1793; John Tufts and Peter Severens in 1794; John M. Laughlin in 1795; Samuel Moor, Jr., in 1796, 1797, 1798; and Samuel Moor, Jr., and Matthew Reed in 1799. The highest sum paid per month from 1791 to 1801, as appears by the selectmen's books, was "to Samuel Moor, Jr., \$12, for keeping school in the lower district one month." And for this sum it is highly probable he also boarded himself, as it was in his own district.

Since 1800 there have been employed in the schools of

Manchester more than two thousand different teachers. We can give the names of but few of them.

The High School was established in the old High School House, at the corner of Lowell and Chestnut streets, in 1845. Masters:

John W. Ray, 1845 to 1849; salary, \$500 to \$800.

Amos Hadley, 1849 to 1851; salary, \$600.

John P. Newell, 1851 to 1853; salary, \$600 to \$1,000.

Jonathan Tenney, 1853 to 1854; salary, \$1,000.

Samuel Upton, 1854; one term.

John P. Newell, 1855 to 1862; salary, \$800 to \$1,100.

William W. Colburn, 1862 to 1874; salary, \$800 to \$2,000.

Albert W. Bachelier, 1874; salary, \$2,000.

Two assistants have been employed in the High School all the time, and at the present time there are six. The number of pupils in 1845 was 92; in 1855 was 120; in 1865 was 122; and in 1875 was 299.

The Park-street Grammar School was first taught in a chapel on Concord street, in 1845. It was removed to Park street in 1847. Masters:

A. M. Caverly, 1845 to 1853; salary, \$300 to \$500.

Joseph E. Bennett.

William A. Webster, 1853 to 1857; salary, \$500 to \$700.

Thomas Corcoran, 1863 to 1869; salary, \$700 to \$1,300.

From 1857 to 1861 the house was idle; the district then gave the Catholics the use of the house free, and they occupied it till 1863. It was then used by the city till 1869. The Catholics, since that time, have had free use of it.

The South Grammar School, corner of Franklin and Pleasant streets, was opened in 1857, the teachers and scholars being transferred from the Park-street Grammar building. Masters:

William A. Webster, 1857 to 1861; salary, \$1,000.

Josiah G. Dearborn, 1861 to 1866; salary, \$900 to \$1,100.

Isaac L. Heath, 1866 to 1872: salary, \$900 to \$1,500.

Daniel A. Clifford, 1872: salary, \$1,500.

Three assistants have been employed, and the number of pupils has averaged about 200.

The North Grammar School, sometimes called the Spring-street Grammar school, was opened in 1848. Masters:

Moses T. Brown, 1848 to 1853.

Joseph E. Bennett, 1853.

William H. Ward, 1853 to 1857; salary, \$700.

Henry C. Bullard, 1857 to 1865: salary, \$900 to \$1,000.

C. M. Barrows, 1865; salary, \$1,000.

Francis W. Parker, 1865 to 1868; salary, \$950 to \$1,100.

Jacob Eastman, 1868 to 1869; salary, \$1,100.

Elbridge D. Hadley, 1869; salary, \$1,100.

John S. Hayes, 1869: salary, \$1,500.

William E. Buck, 1869 to 1874; salary, \$1,100 to \$1,500.

Sylvester Brown, 1875 to 1876; salary, \$1,000.

Edward P. Sherburne, 1876; salary, \$1,000.

There was a short time in 1874 when there was no master at this school. At first and for many years, three assistants were employed, but for the past two years there has been but one. The number of scholars has averaged 175.

The Lincoln-street, or East Grammar School, was commenced in the new High School House in 1867. At first there were two divisions taught by female teachers; in 1868 another division was added, and in 1869 it was moved to the old High School house, a first division added and a master employed. In 1871 the school was moved to the Lincoln-street house. Masters:

Lewis H. Dutton, 1869 to 1870; salary, \$1,300 to \$1,500.

Benjamin F. Dame, 1870 to 1875; salary, \$1,200 to \$1,500.

Sylvester Brown, 1875; salary, \$1,000.

Benjamin F. Dame, 1875; salary, \$1,500.

Since the school has been at Lincoln street there have

been three assistants, and the number of pupils has averaged about 200.

The Piscataquog Grammar School was established when 'Squog village was a part of Bedford, and came to Manchester when that village was annexed to the city in 1853. It was taught, at first, by women in the summer and men in the winter, till 1858. It was kept in Centre-street house till 1874, and then moved to Main-street house. Masters:

James W. Locke, 1858, two terms.

Joseph E. Bennett, 1858, one term.

Francis W. Parker, 1859, one term.

Joseph G. Edgerly, 1859 to 1862.

Marcia V. McQueston, 1862 to 1863.

Philinda P. Parker, 1863 to 1867.

Charles J. Darrah, 1867 to 1868.

Annette McDoel, 1868 to 1869; salary, \$500.

Lorenzo D. Henry, 1869 to 1870; salary, \$800.

Harry D. Hadley, 1870 to 1871; salary, \$720.

Allen E. Bennett, 1871 to 1873; salary, \$750.

Sylvester Brown, 1873 to 1875; salary, \$800.

Andrew M. Heath, 1875; salary, \$1,000.

Wm. M. Stevens, 1875, salary, \$1,000.

Intermediate School. This is an ungraded school, for those who cannot attend regularly at graded schools. It was kept first at the Museum building; in 1854 in the old Intermediate school-house, at corner of Chestnut and Manchester streets, and 1874 it was removed to the old High School house. Masters:

Charles Aldrich, 1854 to 1858; salary, \$500.

Josiah G. Dearborn, 1859; salary, \$500.

Martin L. Stevens, 1859 to 1861; salary, \$500 to \$600.

William Harvey, 1861.

Joseph G. Edgerly, 1861 to 1864; salary, 250 to \$500.

Orren C. Moore, 1861.

Emeline R. Brooks, 1864; \$200 to \$250.

Joseph G. Edgerly, 1864 ; salary, \$900.

Wendell P. Hood, 1865 ; salary, \$500.

Issaac L. Heath, 1865 to 1866 ; salary, \$600.

Joseph G. Edgerly, 1866 ; salary, \$600.

Elbridge D. Hadley, 1866 ; salary, \$600.

Samuel W. Clark, 1867 ; salary, \$800.

Lewis H. Dutton, 1868 ; salary, \$700.

William E. Buck, 1869 ; salary, \$800.

Daniel A. Clifford, 1869 to 1872 ; salary, \$800 to \$1,500.

Alfred S. Hall, 1873 ; salary, \$1,100.

Herbert W. Lull, 1873 to 1875 ; salary, \$600.

John J. Sullivan, 1875 ; salary, \$750.

There has generally been one assistant at this school, sometimes two, and the largest number of scholars ever in attendance at one time was about 125.

The Ash-street Grammar School was opened in 1874, the master and many of the pupils being transferred from the Spring-street Grammar school. Master :

William E. Buck, 1874 ; salary, \$1,500.

There are three assistants, and the average number of pupils is about 200.

Music is taught in all the schools. Imri S. Whitney was the first music teacher, being elected in 1860, at an annual salary of \$400. In 1868 J. D. Jones was elected for part of the districts, at a weekly salary of \$10. Jason J. Kimball was elected music teacher in 1872. His salary has been from \$1,200 to \$1,600 per annum.

There are at present forty-five public schools in the city ; eight of them suburban. These are taught by 67 teachers, and in 1875 there were 3,519 different pupils in the day schools. The city owns twenty-two school buildings, which contain seventy-five school rooms. Forty weeks constitutes the school year, and there are three terms ; two of twelve weeks each, and one of sixteen weeks. The schools are kept five days each week, the sessions being two and one-

half hours long in the primary schools, and three hours long in all schools above that grade. There are two sessions each school day.

Parochial Schools. At the present time the following are in active operation :

1 Grammar school, Park-street school-house ; 2 teachers, 130 scholars.

1 Middle school, Park-street school-house ; 2 teachers, 120 scholars.

3 Primary schools, Park-street school-house : 3 teachers, 200 scholars.

4 schools, corner of Lowell and Birch streets : 4 teachers, 250 scholars.

2 schools, vestry St. Joseph's church : 4 teachers, 200 scholars.

4 schools, corner Union and Laurel streets : 4 teachers, 250 scholars. These are private schools supported by the Roman Catholics.

Mt. St. Mary's Academy, with a primary department, is also supported by the sect. It has eight teachers—nuns—and averages about 100 pupils. This school is supported by tuitions.

Training School. This public school was established by the city in 1873. Middle and primary scholars attend it. In it persons are prepared or trained to teach. These usually come from the High School graduates. There are several in attendance all the time, and a permanent supply of educated teachers is afforded. Yet no person should be elected a teacher simply because a graduate of the training school. Merit should determine the choice.

Evening Schools. There are many pupils in the city who cannot attend school in the day-time, and these schools were established for them. The first one was begun in 1854, chiefly by the influence of James O. Adams. Mr. Adams was the principal, and had several assistants. For

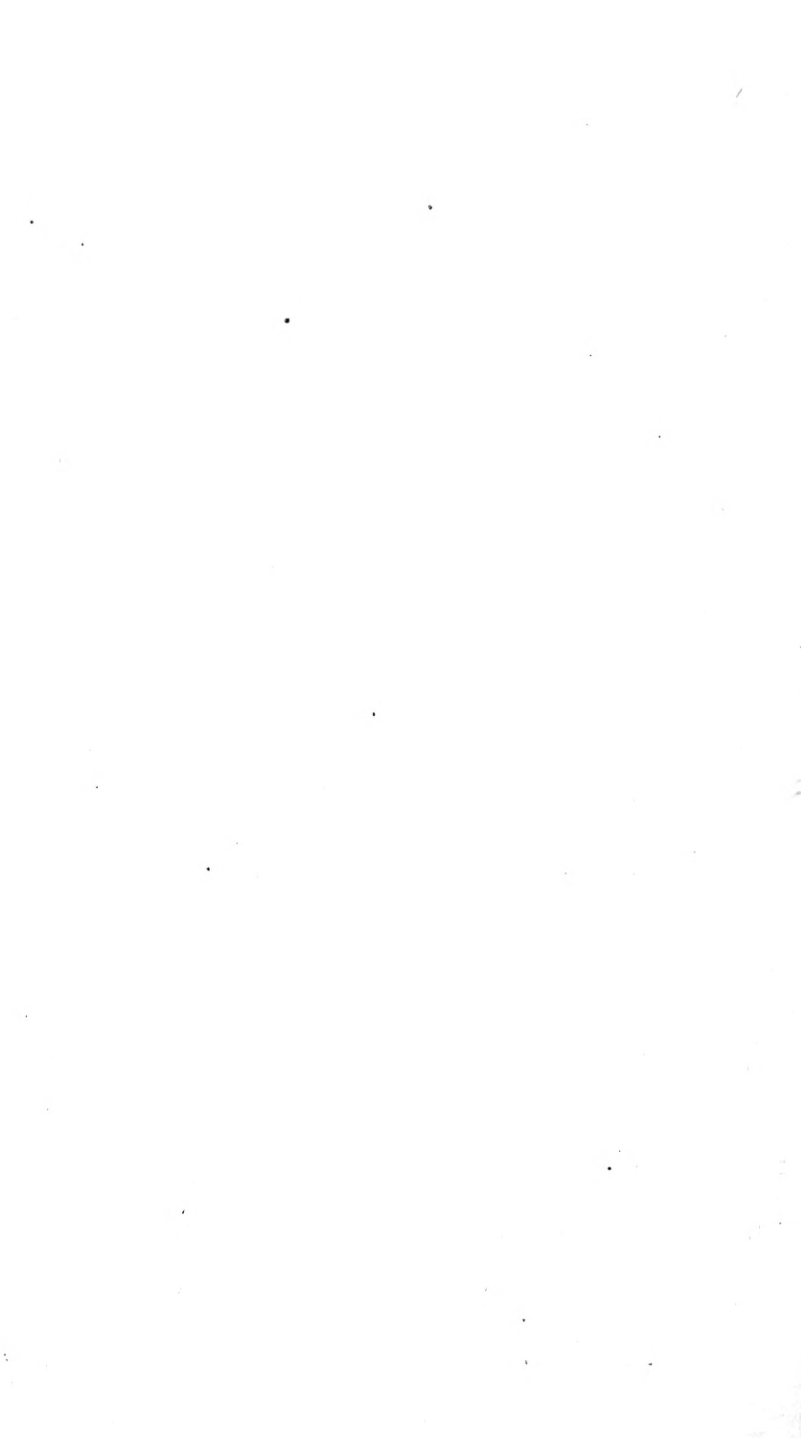
some reason, there were none after that till 1868. Since the latter date they have been kept each winter. They have been located in the Intermediate house, in the old wooden house at the corner of Bridge and Union streets, in the house at the corner of Beech and Concord streets and the old High school-house. In 1873 one was begun at Piscataquog, which has since continued.

These schools commence in the fall and hold four or five months through the winter. Each has a master and several assistants. As many as 300 pupils have attended these schools in a season.

EXPENDITURES.

Financial year.	No. of scholars.	Salaries of Teachers.	Other school expenses and new houses.	Total expenditure.
1846		\$2,722.54	\$1,364.92	\$4,087.46
1847	2031	3,502.13	6,740.79	10,242.92
1848	1860	5,683.02	6,780.39	12,463.41
1849	2115	6,373.31	9,687.32	16,020.63
1850	2115	6,940.09	9,565.41	16,505.50
1851	1902	7,299.35	7,895.57	15,194.92
1852	2308	8,379.55	5,089.09	13,468.64
1853	3660	8,951.10	11,971.71	20,922.81
1854	3761	11,360.43	5,753.17	17,113.60
1855	3760	13,233.04	8,442.48	21,775.52
1856	3761	13,974.23	20,107.90	34,082.13
1857	4359	15,112.13	20,024.37	35,136.50
1858	3827	14,645.56	10,497.86	25,143.42
1859	3097	13,980.64	9,433.57	22,414.21
1860	3205	14,666.35	13,443.28	28,109.67
1861	3309	15,627.07	10,395.11	26,022.34
1862	3552	14,608.58	7,236.13	21,846.71
1863	4020	15,309.98	13,291.73	28,601.71
1864	3960	16,823.90	11,205.00	28,028.20
1865	4309	21,101.99	16,414.90	37,516.89
1866	4525	24,472.24	23,509.97	47,982.21
1867	4655	29,836.87	34,205.09	64,041.96
1868	4371	30,567.62	29,832.50	60,400.12
1869	3500	34,979.87	26,345.62	61,325.49
1870	3200	33,196.82	32,341.05	65,537.87
1871	3200	33,831.84	42,403.97	76,235.81
1872	3500	35,223.39	55,788.92	91,012.31
1873	3779	36,451.58	46,773.95	76,492.53
1874	4057	36,815.26	47,273.43	84,088.69
1875	3819	39,436.08	24,000.54	63,436.62

The above table shows the number of scholars each year, including those in the evening schools, and the annual expenditures for the public schools of Manchester, since the incorporation of the city.



ACCOUNT

OF

HENRY R. CHAMBERLIN,
CITY TREASURER,

FROM

DECEMBER 31, 1875, TO DECEMBER 31, 1876.

Dr. *H. R. Chamberlin, Treasurer, in account with the*

To Cash in the Treasury, January 1, 1876	\$79,598 44
City Bonds issued July 1, 1876	40,000 00
Savings Bank Tax	34,751 56
Railroad Tax	12,194 54
Literary Fund	1,583 55
Insurance Tax	796 88
City Hall and Stores	1,669 25
City Farm	3,122 51
Police Court	4,760 25
City Scales	105 10
Pine Grove Cemetery	1,458 76
Valley Cemetery	109 71
County, for Board at Reform School, &c.	5,163 59
City Teams	2,606 40
Overdrafts	78 47
License of Shows	180 00
Land Sold from Farm	557 00
Dog Licenses	817 82
Sewer Licenses	796 60
Rent of Hearse	62 50
Interest on City Bonds	166 67
Tuition	100 50
Interest on Taxes	1,039 26
Rent of Tenements	104 00
Taxes Collected, 1871	5 76
" " 1872	16 37
" " 1873	71 75
" " 1874	1,278 87
" " 1875	34,230 42
" " 1876	157,093 29
City Aqueduct	36 00
Cost on Non-Resident Taxes	42 00
Hydrant Service	16,320 00
Water Rent	22,559 47
Lumber	44 62
Tomb Fees	78 50
E. M. Topliff, Loam, &c.	4 50
Water-Works for Derrick and use	149 00
Amount carried forward to page 158	\$423,753 91

*City of Manchester (ending December 31, 1876).**Cr.*

By Unpaid Bills, January 1, 1876	\$23,919 26
Paupers off the Farm	6,812 72
City Farm	5,050 03
City Teams	3,994 26
Highway District No. 1	342 17
“ “ “ 2	14,606 11
“ “ “ 3	993 82
“ “ “ 4	301 40
“ “ “ 5	569 95
“ “ “ 6	750 42
“ “ “ 7	1,123 18
“ “ “ 8	466 90
“ “ “ 9	407 26
“ “ “ 10	1,909 86
“ “ “ 11	1,500 14
“ “ “ 12	573 39
“ “ “ 13	272 04
New Highways	3,343 29
Granite Bridge	57 07
Amoskeag Falls Bridge	667 60
Sewers and Drains	30,810 61
Reservoirs	264 86
Commons	300 62
Valley Cemetery	826 67
Pine Grove Cemetery	1,525 02
Fire Department	10,432 88
City Police	21,556 48
City Officers	9,426 99
Lighting Streets	6,123 81
Militia	700 00
Printing and Stationery	2,044 76
Incidental Expenses	9,027 32
City Hall Building	1,146 41
City Library	2,638 39
Paving Streets	1,589 78
Watering Streets	1,263 92
Discount on Taxes	4,391 07
Abatement of Taxes	727 42
Amount carried forward to page 159	\$172,457 88

Dr. *H. R. Chamberlin, Treasurer, in account with the*

Amount brought forward from page 156	\$423,753 91
Hackett & Fisher, loam	2 25
J. Q. A. Sargent, re-setting paving	11 50
I. C. Flanders, pipe, &c.	10 20
Jonathan Smith, witness fees ref'd	1 49
Patent Water and Gas Pipe Co., work	28 00
George W. Stevens, from Centennial Fourth	381 69
Howard Insurance Co. Dividend	8 65
Abbott, Downing & Co.	50 00
J. P. Newell, from District 2	3 50
R. M. Shirley, for stone	4 70
Warren Harvey, harness	10 00
Rent of Ward Room Lot	12 00
	<hr/>
	\$424,277 89
Unpaid Bills, January 1, 1877	23,694 99
	<hr/>
	\$447,972 88

*City of Manchester (ending December 31, 1876).**Cr.*

Amount brought forward from page 157	\$172,457 88
Interest	276 00.
Coupons, old issue	21,594 00
Coupons of Water Bonds	23,756 00
Reserved Fund	8,069 05.
Reduction of City Debt	1,500 00
Repairs of Buildings	835 13
School Houses and Lots	1,717 00.
Repairs of School-Houses	3,386 63.
Water-Works	48,425 72
Land Damages	239 51
Fire Alarm Telegraph	601 62.
Decoration	201 80
Grading for concrete	1,028 57
Hydrant Service	16,605 00
Macadamizing	2,896 16
Centennial Exhibition	307 89
Centennial Fourth	2,152 03
Tuition	300 00.
Teachers	39,103 86
Evening Schools	648 07
Fuel	5,315 68
Incidental Repairs	968 87
Furniture and Supplies	422 23.
Books and Stationery	512 03
Printing and Advertising	345 27
Care of Rooms	2,637 94
Contingent Expenses	849 03
	<hr/>
	\$367,152 97
Cash in the Treasury January 1, 1877	80,819 91
	<hr/>
	\$447,972 88

H. R. CHAMBERLIN,

City Treasurer.

MANCHESTER, January 1, 1877.

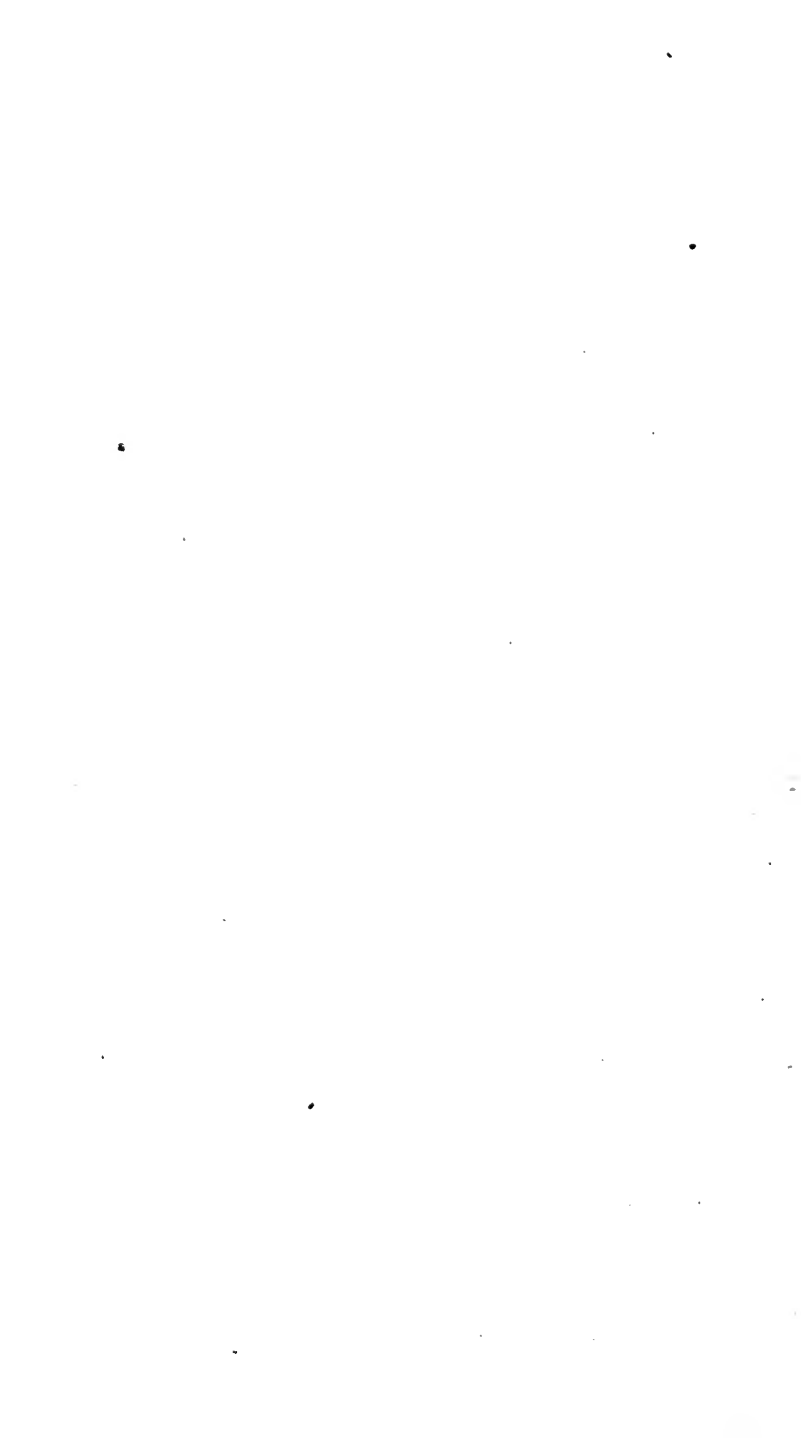
FINANCE COMMITTEE'S REPORT.

The undersigned, Joint Standing Committee on Finance, certify that we have examined the foregoing account of Henry R. Chamberlin, City Treasurer, and find the same correctly cast and supported by proper vouchers.

A. B. STORY,
JOHN LEE,
JAMES SULLIVAN,
IRA CROSS,

Joint Standing Committee on Finance.

REVENUE ACCOUNT.



ACCOUNTS OF APPROPRIATIONS.

PAUPERS OFF FARM.

		DR.
To balance from old account . . .	\$133 00	
County of Hillsborough, for board of inmates at State Reform School	4,952 23	
Support of paupers	50 20	
Support of paupers, N. H. Asylum	140 21	
Appropriation	2,000 00	
	\$7,275 64	
		CR.
By paid N. H. Asylum for board of Asenath White	\$133 62	
N. H. Asylum for board of El- bridge Gerry	219 03	
N. H. Asylum for board of John Connelly	133 74	
N. H. Asylum for board of C. W. Haselton	148 96	
N. H. Asylum for board of Thos. F. Daily	95 13	
N. H. Asylum for board of Brid- get Scully	98 60	

State Reform School for board of inmates	4,502 64
Flanagan & Maxwell, for groceries furnished Mrs. Dan Healy	21 16
G. E. Wilson & Co., for groceries furnished Joseph Comfort	23 22
G. E. Wilson & Co., for groceries furnished N. Lawrence .	45 00
G. E. Wilson & Co., for groceries furnished Mary Hoyt .	14 00
John Sweeney, for groceries furnished Robert McMahan .	110 00
John Sweeney, for groceries furnished Mrs. Fitzgerald . .	22 59
John Sweeney, for groceries furnished Mrs. McCarty . . .	12 00
John Fenton, for groceries furnished J. M. County . . .	6 00
Locke & Demick, for groceries furnished Alec Shine . . .	24 00
Locke & Demick, for groceries furnished Michael Connor .	3 00
Locke & Demick, for groceries furnished Rody Sanborn .	21 00
Locke & Demick, for groceries furnished Margaret Scanlan .	2 00
J. G. Warner, groceries furnished J. Comfort . . .	10 00
Geo. E. Wilson, for groceries furnished B. S. Nichols .	3 00
Geo. E. Wilson, for groceries furnished Margaret Schannon	2 00
Sawyer Brothers, groceries furnished Moses Lull . . .	8 02

E. A. Moulton, groceries furnished to L. Wyman	87 01
Barr & Clapp, groceries furnished to Stephen Spain	31 00
B. P. Burpee, groceries furnished to Thos. Mackin	10 00
John M. Chandler, groceries furnished to Mrs. Annie Connor	1 78
W. F. Sleeper & Co., groceries furnished to S. L. Connors	6 00
W. F. Sleeper & Co., groceries furnished to D. A. Webster	20 22
W. F. Sleeper & Co., groceries furnished E. C. Webster	20 00
Daniel Sheehan, groceries furnished to S. L. Corning	23 50
Daniel Sheehan, groceries furnished to Celia Adams	24 29
Daniel Sheehan, groceries furnished E. C. Webster	59 93
Daniel Sheehan, groceries furnished Mrs. Hackett	3 82
Daniel Sheehan, groceries furnished Mrs. D. Healey	77 90
Daniel Sheehan, groceries furnished Mrs. J. Reardon	80 98
H. B. Putnam, groceries furnished to Ann Connor	12 27
H. H. Alton, groceries furnished to Thos. Kerrigan	2 05
H. H. Alton, groceries furnished to John Bonskin	5 00
Wilson Bros., groceries furnished to Michael Reardon	2 00

Wilson Bros., groceries furnished to David Galway	18 77
Wilson Bros., groceries furnished Sarah Seavey	2 90
A. M. Eastman, groceries fur- nished Rody Sanborn . . .	13 00
A. M. Eastman, groceries fur- nished A. Shine	4 00
M. E. Griffin, groceries furnished to Thos. Kerrigan	20 07
H. Gorman, groceries furnished A. Shine	4 00
Patrick Cullity, groceries fur- nished Maurice Fitzgerald .	34 96
Patrick Cullity, groceries fur- nished Mary Hayes	7 00
Patrick Cullity, groceries fur- nished John M'Carty	18 00
Timothy Collins, groceries fur- nished Alec Shine	22 00
Timothy Collins, groceries fur- nished Timothy McGuire . .	5 00
Thos. Johnson, groceries fur- nished Elizabeth Otis	4 00
Lawrence Dowd, groceries fur- nished Alec Shine	47 24
Mrs. B. O'Neil, groceries fur- nished to Margaret Scanlan .	3 00
F. G. Barney, groceries furnished John Rourke	5 00
Lawrence Dowd, groceries fur- nished James Callahan . . .	5 00
Moody & Co., groceries fur- nished Benjamin Newman . .	10 05

H. Young, wood furnished Mrs. Sweeney	7 50
Kinne & Co., wood furnished Pat Harmon	1 00
Kinne & Co., wood furnished Mrs. Quinn	16 75
Robert Laing, wood furnished Mrs. Dan Healey	13 50
C. R. Foss, wood furnished Mrs. Tim Quinn	2 00
C. R. Foss, wood furnished Mrs. Sarah Seavey	4 00
L. B. Bodwell, fuel furnished Mrs. S. Seavey	5 00
I. R. Dewey, fuel furnished to L. Wyman	12 00
Daniel Sheehan, fuel furnished Mrs. D. Healey	9 00
Kinne & Co., fuel furnished to Sarah Seavey	2 50
L. B. Bodwell, fuel furnished T. Quinn	4 00
L. B. Bodwell, fuel furnished Stephen Spain	3 00
L. B. Bodwell, fuel furnished D. O. Webster	5 50
A. J. Butterfield, fuel furnished Margaret Scanlan	1 50
A. J. Butterfield, fuel furnished James Callahan	7 25
A. J. Butterfield, fuel furnished Alec Shine	3 50
George H. Porter, fuel furnished James Gallighan	3 75

J. P. Parker, fuel furnished Margaret Scanlan	2 00
Geo. W. Clark, fuel furnished Susan Young	4 00
Geo. W. Dodge, boots and shoes furnished Tim Quinn	3 75
Geo. W. Dodge, boots and shoes furnished Tim Quinn	5 50
Canney & Wiley, for medicines	28 27
P. A. Devine, for coffin, robe and burial expenses of Stephen Spain	11 25
P. A. Devine, for burial expenses of child of Alec Shine	11 00
P. A. Devine, for coffin for Margaret Walker	5 00
P. A. Devine, for funeral expenses of child of T. Quinn	24 00
D. A. Simons, cash furnished Mrs. C. W. Haselton	20 00
S. J. Young, cash furnished Mrs. C. W. Haselton	60 00
George W. Wilson, expense in taking Mrs. Scully to Asylum	7 00
Dr. L. M. French, for examination of Mrs. Scully	3 00
D. A. Simons, for postal cards and printing for overseers of poor	9 23
D. A. Simons, fare and expense to Loudon, to move C. W. Haselton	8 00
Folsom & Son, clothes for Tim Quinn	10 00

Fred. Perry, board of Tim Con- nor's child	40 00	
C. F. Hastings, board of Mrs. A. Quimby	5 00	
A. D. Fling, board of Jennie Crawford	12 20	
C. C. Webster, board of D. O. Webster	39 00	
Charles Moore, board of D. O. Webster	9 00	
O. J. Doble, board of A. T. Ayer	30 00	
Hoyt & Marshall, carrying S. E. Elliott to City Farm	1 00	
Joseph French, boarding Sarah Elliott	12 00	
		<hr/>
Amount	\$6,812 72	
Balance to new account	462 92	
		<hr/>
		\$7,275 64

CITY FARM.

		DR.
To Appropriation	\$1,000 00	
J. H. Proctor, produce sold and labor on highways	948 39	
Fred Allen, produce sold and la- bor on highways	2,138 12	
County of Hillsborough, board of paupers	36 00	
Account of land sold from City Farm, transfer to balance	927 52	
		<hr/>
		\$5,050 03

Paid Locke & Demick, groceries	\$25 85
Manchester Tea Co. "	7 45
J. M. Chandler & Co. "	68 11
Sawyer Bros. "	39 01
J. G. Warner, "	204 84
H. C. Merrill, "	78 84
Eager & Robinson, "	93 60
Geo. E. Wilson, "	89 35
W. F. Sleeper & Co. "	148 38
R. M. Miller, "	79 15
H. B. Putnam, "	10 17
W. W. Whittemore, fish	2 65
Pettee & Whittle, meal	135 66
H. & H. R. Pettee, meal and grain	241 55
J. S. Kidder & Co., meal and grain	42 96
Fairbanks & Folsom, spoons, &c.	3 80
Dustin Kendall, lamps and chim- neys	2 20
James Bros., manure	214 68
D. A. Simons, furniture	30 87
Slide Valve Co., repairing iron bedsteads	33 51
D. H. Barr, 1 mowing machine	95 00
Amos Latuch, labor	74 00
J. B. Young, "	7 50
E. S. Young, "	18 00
L. J. Proctor, "	60 00
Amos Spofford, "	25 00
John Latuch, "	6 00
Peter Trudell, "	10 46
Chas. Welch, "	64 77
John Mason, "	18 42

W. S. Nelson, labor . . .	216 00
George Young, " . . .	3 00
W. J. Chapman, " . . .	10 25
Sylvester Jones, " . . .	16 50
Eri Harvey, " . . .	49 20
L. A. Proctor, " . . .	10 50
C. H. Colburn, " . . .	11 00
A. Dinsmore, feed boxes . . .	4 50
J. B. Varick, hardware . . .	15 36
Daniels & Co., " . . .	133 05
Wm. C. Rogers, " . . .	135 22
W. W. Hubbard, lumber . . .	3 88
George H. Whitford, lumber . . .	3 00
A. C. Wallace, " . . .	60
Austin, Johnson & Co., " . . .	41 90
J. Stickney, leather, &c. . . .	6 33
Colby Clark, 5 pigs	16 00
G. L. Moore, repairing saws . . .	2 55
A. J. Lane, 1 set sleds	42 00
J. P. Eaton, pigs	6 00
J. H. Proctor, ox cart	10 00
J. H. Proctor, fare for H. Sanborn	2 00
J. H. Proctor, 1 harrow	10 00
J. H. Proctor, 2 tie covers	1 25
J. H. Proctor, 3 months' salary as superintendent	125 00
Joseph Cate, 3 bu. seed wheat . . .	9 00
J. A. Haselton, shingling shed . . .	22 00
H. S. Whitney, repairing pumps and pipe	31 75
John B. Clarke, horse	125 00
Rufus K. Jones, 7 cords manure . . .	50 75
Warren Harvey, exchange on horse	87 50

H. H. Esty, harness and halter	23 25
C. M. Hubbard, balance on sled	6 00
Piper & Hawley, dry goods .	55 02
Crawford & Anderson, dry goods	5 12
Amoskeag Manf. Co., gingham	14 00
Amoskeag Manf. Co., stone .	12 00
F. N. McLaren, halter and blanket	2 35
P. Preston, sawing lumber .	4 55
J. M. Stanton, men's socks .	1 80
Barton & Co., dry goods . .	48 97
N. S. Clark, " "	25 72
W. H. Cate, boots and shoes .	12 95
F. C. Dow " " "	44 00
Head & Neal " " "	16 25
J. L. Fogg, beef and dressing hogs	97 35
S. D. Cass, meat	37 97
Clough & Towle, meat	3 75
Canney & Wiley, medicines . .	44 14
A. H. Lowell, casting	75
J. C. Nichols & Son, team . . .	1 00
Gideon Flanders, ice	7 83
A. G. Knox, fruit trees	88 78
H. F. Thompson, blacksmith work	26 96
J. F. Woodbury & Co., blacksmith work	23 00
Bunton & Porter, blacksmith work	38 25
A. B. Webster, blacksmith work	33 60
W. H. Hill, blacksmith work .	3 00
Temple & Farrington, blank book	35
J. B. Wood, sawing wood	6 12

Brigham & Pratt, crackers	3 65	
A. W. Sanborn, on wagon	40 00	
G. R. Vance & Co., tin ware	4 23	
Clark M. Bailey " "	7 48	
G. A. Alger, repairing clock	1 00	
Temple & Farrington, paper hangings	6 03	
J. L. Kennedy, painting and whitewashing	17 78	
S. C. Forsaith & Co., repairing cider mill	1 75	
Hiram Turner, 1 barrel soap	4 00	
Manchester One Price Clothing Store, clothing	4 95	
Plumer, Chandler & Co.,	52 47	
F. R. French, cow	70 00	
C. W. Rowell, 1 pair oxen	180 00	
J. O. Clark, oxen and beef	250 08	
A. F. Fox, 1 hog	18 00	
A. F. Fox, barrel and rake	1 15	
A. Hodgman, 2 sows	40 00	
Fred Allen, salary	375 00	
Fred Allen, for sundries	125 20	
M. V. B. Kinne, carpenter work	10 31	
John H. Pond, cabbage plants	3 00	
Greeley & Esty, pole, straps, &c.	6 25	
		\$5,050 03

CITY TEAMS.

To Highway District No. 2	\$1,394 38	
Paving	3 50	
Reservoir	10 00	

Dr.

Reserved fund	125 75	
New highways	92 44	
Macadamizing	172 75	
Grading for concrete	129 75	
Sewers and drains	310 78	
Amoskeag bridge	10 47	
Incidentals	59 74	
Appropriation	1,500 00	
Orrin Carlton, overdraft	1 30	
Watering streets	285 75	
Commons	1 93	
Fire department	1,500 75	
J. P. Newell, city clerk, cash, work done for A. Quimby	8 41	
Patent water and gas pipe Co.	28 00	
	<hr/>	\$5,635 70

CR.

Paid J. F. Woodbury & Co., black- smithing	68 25
J. W. M. Hunt & Co., black- smithing	43 05
W. H. Hill, blacksmithing	134 65
M. C. Clark, "	62 55
Chenette Bros. "	5 50
A. B. Webster, "	112 15
Bunton & Porter, "	2 95
A. B. Webster, dump cart	110 00
Hayes & Barnard, blacksmithing	26 88
J. S. Davis, "	2 85
G. E. Barnard, "	4 00
H. & H. R. Pettee, grain and meal	276 89
J. S. Kidder & Co., grain and meal	326 89

W. F. Sleeper & Co., grain and meal	248 15
Samuel Poor, grain and meal	79 05
Concord Railroad, freight	11 20
F. N. McLaren, repairs, harness, &c.	245 55
Edwin Branch, repairs, harness, &c.	16 35
Greeley & Esty, repairs, harness, &c.	24 05
J. D. Cate, shoeing horses, &c.	68 86
D. R. Leach, hay	13 64
J. B. Jones, "	83 20
J. P. Parkhurst, hay	11 27
Jas. W. Coleman, hay	77 50
David Ordway, "	11 96
Edward Langdell, "	133 80
O. Hinkley, "	59 97
J. W. Moore, "	40 02
D. H. Dickey, "	38 60
J. E. Stearns, "	6 84
J. S. Edwards, "	39 10
D. H. Hill, "	15 75
G. P. Woodman, straw	8 51
S. Chase, "	13 50
C. H. Watts, "	15 32
C. C. Moore, "	7 79
H. L. Flanders, "	10 92
B. Hubbard, "	23 20
W. R. Stockdale, hay	19 20
Albert E. Jones, "	11 96
Orin Carlton, rent of stable	5 80
Manchester Gas Light Co., gas	22 05
G. W. Butterfield, teamster	328 50
T. M. Conant, "	327 50

A. B. Cushing, teamster	343 00	
Augustus Robie, "	72 13	
James Kearin, "	11 92	
Daniels & Co., hardware	26 72	
John B. Varick, "	5 43	
J. M. Chandler & Co., soap, sponge, &c.	8 57	
Z. F. Campbell, medicines, &c.	28 66	
Orin Carlton, rent of stable	24 00	
W. H. Vickery, key	65	
Dr. C. B. Wood, treatment of horses	33 50	
W. H. Kennedy, oil	1 25	
A. Dinsmore, lumber	9 73	
Dr. M. C. Derby, treatment of horses	33 25	
A. C. Wallace, lumber	63 55	
B. F. Fogg, piping	6 75	
L. N. Dufrain, repairing pump	7 00	
J. F. Conway, repairing cart	7 75	
French & Robertson, carpenter work	80 63	
A. W. Sanborn, repairing cart, &c.	12 60	
Joseph Comfort, labor	2 25	
John Cushing, "	17 75	
Edward Linnehan, "	1 35	
	<hr/>	
Amount	3,994 26	
Balance to new account	1,641 44	
	<hr/>	
		\$5,635 70

HIGHWAY DISTRICT No. 1.

		DR.
To Balance from old account	\$45 24	
Appropriation	300 00	
	<u> </u>	\$345 24
		CR.
Paid C. W. Rowell, superintendent, for labor	\$10 00	
R. C. Dustin, superintendent, for labor	191 87	
For labor and teams, as per pay rolls	140 30	
	<u> </u>	
Amount	\$342 17	
Balance to new account	3 07	
	<u> </u>	\$345 24

HIGHWAY DISTRICT No. 2.

		DR.
To Appropriation	\$12,000 00	
Amount transferred from Re- served Fund	2,539 54	
Sundry persons, for work done	21 75	
Isaac C. Flanders, for work and pipe, &c., sold	10 20	
Warren Harvey, superintendent, for harness sold	10 00	
Sewers and Drains, for chestnut plank	24 62	
	<u> </u>	\$14,606 11
		CR.
Paid I. C. Flanders, superintendent	\$292 50	
I. C. Flanders, superintendent, for teams	79 50	

A. G. Flanders, making pay roll	15 00
J. W. M. Hunt, blacksmithing	98 55
R. W. Flanders, " .	3 95
G. W. Merriam, " .	4 60
Bunton & Porter, " .	125 40
Fogg & James, teams .	24 50
French & Robertson, carpenter work	32 96
Daniels & Co., hardware . .	131 19
John B. Varick, " . .	13 87
Lamson & Marden, stone chips	10 50
Ellis & Patterson, engineering .	23 94
A. W. Sanborn, box and bolt .	65
W. C. Rogers, hardware . .	22 85
W. H. Vickery, keys . .	2 35
Ryder & Blunt, stationery .	3 25
J. M. Chandler & Co., powder, &c.,	5 60
Pike & Heald, ladder and re- pairing pipe	1 75
D. H. Young, lumber . .	26
Amoskeag Manufacturing Co., repairing and grinding 5 mat- tocks	1 00
G. W. Butterfield, teamster .	178 00
T. M. Conant, " . .	146 00
A. B. Cushing, " . .	174 00
James Kearns, " . .	461 22
Augustus Robie, " . .	174 38
Warren Harvey, for teams .	8 00
Warren Harvey, superintendent	325 12
Sylvester Reed, teamster . .	161 87
J. A. B. Emerson, teams and teamster	431 12

Gideon Flanders, teams and teamster	30 00
Frank Chennette, team and teamster	26 00
Charles Cheney, team and teamster	28 00
Mark Harvey, team and teamster	462 37
Albert Whittier, team and teamster	3 50
E. S. Harvey, team and teamster	343 12
J. L. Smith, team and teamster	300 87
Edwin P. Abbott, team and teamster	92 25
City Teams, work done . . .	1,394 38
Fogg & James, team hire . . .	33 50
J. P. Young, teamster	136 00
A. Dinsmore, team and teamster	461 87
M. & D. F. Boyce, team and teamster	166 50
Eben Clark, team and teamster	123 75
R. A. Lawrence, team and teamster	142 87
City Farm, team and teamster . . .	67 50
J. L. Fogg, team and teamster	93 37
M. V. B. Kinne, lumber	2 55
L. Searles, 1 dozen hammer handles	3 00
For labor of men and teams as per pay rolls	7,740 83
	<hr/> \$14,606 11

HIGHWAY DISTRICT No. 3.

		DR.
To Appropriation	\$800 00	
Reserved fund, amount transferred	200 00	
	<u> </u>	\$1,000 00
		CR.
Paid W. W. Baker, superintendent, labor and team	112 00	
H. C. Dickey, superintendent, labor and team	132 00	
For teams and labor of men, as per pay rolls	732 32	
J. B. Varick, hardware	13 69	
Manchester Locomotive Works, grate	1 72	
D. M. Goodwin, water pail and dipper	68	
A. C. Wallace, lumber	1 41	
	<u> </u>	
Amount	\$993 82	
Balance to new account	6 18	
	<u> </u>	\$1,000 00

HIGHWAY DISTRICT No. 4.

		DR.
To Balance from old account	75	
Appropriation	300 00	
Reserved fund, amount transfer'd	50 00	
	<u> </u>	\$350 75
		CR.
Paid A. Dinsmore, lumber	8 40	
James Cheney, superintendent	95 00	
Isaac Whittemore, superintend- ent	49 50	

For labor and teams, as per pay rolls	148 50	
Amount	\$301 40	
Balance to new account	49 35	

\$350 75

HIGHWAY DISTRICT No. 5.

DR.

To Balance from old account	10 22	
Appropriation	500 00	
Reserved fund, amount transf'd	59 73	

\$569 95

CR.

Paid S. F. Knowles, supt., labor	86 12	
C. N. Harvey, supt., labor and team	205 54	
E. R. Young, for gravel	1 40	
Mrs. R. Nutt, " "	70	
C. G. B. Ryder, for gravel	8 50	
For labor and teams, as per pay rolls	248 82	
J. L. Kennedy, painting and lettering guide boards	5 77	
A. A. Haselton, 2 guide boards	2 25	
A. C. Wallace, lumber	6 60	
J. B. Varick, shovel	1 35	
R. W. Flanders, blacksmithing	2 90	

\$569 95

HIGHWAY DISTRICT No. 6.

DR.

To Appropriation	500 00
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Reserved fund, amount transferred	250 42	
	<hr/>	\$750 42
		CR.
Paid Moses Tracy, superintendent, labor	\$97 87	
I. T. Webster, superintendent, labor	212 09	
For labor and teams, as per pay rolls	440 46	
	<hr/>	\$750 42

HIGHWAY DISTRICT No. 7.

		DR.
To Balance from old account	\$96 82	
Appropriation	800 00	
Reserved fund, am't transferred	250 00	
	<hr/>	\$1,146 82
		CR.
Paid Israel Webster, superintendent, labor	\$88 12	
P. C. Bean, superintendent, labor	141 62	
For labor and teams, as per pay roll	809 68	
A. Dinsmore & Co., lumber	2 18	
Daniels & Co., hardware	26 71	
A. Bodwell, stone	44 00	
A. C. Wallace, lumber	4 08	
Bunton & Porter, blacksmithing	6 79	
	<hr/>	
Amount	\$1,123 18	
Balance to new account	23 64	
	<hr/>	\$1,146 82

HIGHWAY DISTRICT No. 8.

		DR.
To Balance from old account	\$5 64	
Appropriation	500 00	
	<u> </u>	\$505 64
		CR.
Paid Robert I. Stevens, superintendent, labor	\$72 50	
George S. Smith, superintendent, labor	38 37	
For labor and teams, as per pay rolls	\$352 75	
A. Dinsmore, lumber	3 28	
	<u> </u>	
Amount	\$466 90	
Balance to new account	38 74	
	<u> </u>	\$505 64

HIGHWAY DISTRICT No. 9.

		DR.
To Balance from old account	\$33 89	
Appropriation	400 00	
	<u> </u>	\$433 89
		CR.
Paid B. W. Corning	\$52 38	
L. A. Dickey	100 75	
For labor and teams, as per pay rolls	227 43	
A. C. Wallace, for lumber	22 60	
Gilman Clough, for lumber	4 10	
	<u> </u>	
Amount	\$407 26	
Balance to new account	26 63	
	<u> </u>	\$433 89

HIGHWAY DISTRICT No. 10.

		Dr.
To Appropriation	\$1,000 00	
Reserved fund, amount transferred	909 86	
	<hr/>	\$1,909 86
		Cr.
Paid A. W. Dickey, supt., for labor	\$91 25	
Samuel Brown, jr., supt., for labor	782 24	
For labor, as per pay rolls	892 34	
W. P. Stratton & Son, repairing lanterns	2 50	
J. B. Varick, shovels and pick handles	10 50	
A. C. Wallace, lumber	33 06	
E. G. Haines, pipe	10 90	
R. W. Flanders, blacksmithing	5 90	
A. Bodwell, stone	30 00	
Barr & Clapp, nails	1 17	
G. W. Riddle, 300 loads of clay	50 00	
	<hr/>	\$1,909 86

HIGHWAY DISTRICT No. 11.

		Dr.
To balance from old account	\$117 84	
Appropriation	800 00	
Reserved fund, am't transferred	650 00	
	<hr/>	\$1,567 84
		Cr.
Paid George A. Richardson, supt., labor	283 45	
George A. Farmer, supt.,	197 50	
For labor, as per pay rolls	952 80	
David Wells, for lumber	27 24	

John Page, for lumber	13 15	
Benj. Page, " "	15 00	
J. H. Maynard, for lumber	11 00	
	<u> </u>	
Amount	\$1,500 14	
Balance to new account	67 70	
	<u> </u>	\$1,567 84

HIGHWAY DISTRICT No. 12.

		DR.
To balance from old account	\$19 50	
Appropriation	400 00	
Reserved fund, am't transferred	153 89	
	<u> </u>	\$573 39
		CR.
Paid A. Dinsmore, lumber	3 33	
City Farm, labor	383 17	
For labor and teams, as per pay rolls	186 89	
	<u> </u>	\$573 39

HIGHWAY DISTRICT No. 13.

		DR.
To balance from old account	\$98 72	
Appropriation	2 00	
	<u> </u>	\$298 72
		CR.
Paid Jacob Jewell, superintendent, labor	\$38 47	
I. P. Fellows, superintendent, labor	51 00	
For labor and teams, as per pay rolls	182 57	
	<u> </u>	
Amount	\$272 04	
Balance to new account	26 68	
	<u> </u>	\$298 72

NEW HIGHWAYS.

		DR.
To Balance from old account	\$112 75	
Appropriation	4,000 00	
	\$4,112 75	\$4,112 75
		CR.
Paid I. C. Flanders, superintendent	\$85 00	
I. C. Flanders, team	100 50	
John Hosley, stone	10 00	
J. W. M. Hunt & Co., black-smithing	5 75	
Daniels & Co., hardware	46 87	
J. B. Sawyer, engineer's services	4 50	
Ellis & Patterson, engineers' services	76 00	
J. M. Chandler & Co., powder, &c.	9 28	
Lamson & Marden, repairing tools	38 31	
B. H. Piper & Co., sledge handles	90	
Concord Railroad, repairs	26 50	
A. Bodwell, stone	58 12	
True J. Perry, gravel	8 10	
C. N. Harvey, stone work and grading for bridge in Dist. 5	125 00	
J. G. Colt, stone work	16 50	
City teams, labor	92 44	
Warren Harvey, superintendent	33 00	
For labor and teams, as per pay rolls	2,606 52	
	\$3,343 29	
Amount	\$3,343 29	
Balance to new account	769 46	
	\$4,112 75	\$4,112 75

AMOSKEAG FALLS BRIDGE.

		DR.
To balance from old account	\$439 21	
Appropriation	400 00	
	<u> </u>	\$839 21
		CR.
Paid City teams, labor	\$10 47	
For labor, as per pay rolls	43 89	
Geo. Holbrook, carpenter work	5 10	
J. B. Varick, hardware	22 65	
A. Dinsmore, lumber	320 39	
Concord Railroad, freight	81 00	
G. J. Campbell, shingling	174 10	
C. H. Hodgman, teaming	10 00	
	<u> </u>	
Amount	\$667 60	
Balance to new account	171 61	
	<u> </u>	\$839 21

GRANITE BRIDGE.

		DR.
To Appropriation	\$300 00	
Plank sold	20 00	
	<u> </u>	\$320 00
		CR.
Paid J. B. Varick, hardware	\$3 50	
A. C. Wallace, lumber	33 07	
For labor, as per pay rolls	20 50	
	<u> </u>	
Amount	\$57 07	
Balance to new account	262 93	
	<u> </u>	\$320 00

SEWERS AND DRAINS.

		DR.
To Appropriation	\$10,000 00	
Special Appropriation	40,000 00	
Amoskeag Nat. Bank, accrued interest on bonds	166 67	
Sundry persons, for license to enter sewers	796 60	
County of Hillsborough, sewer and drain brick	20 25	
	—————	\$50,983 52
		CR.
Paid I. C. Flanders, supt., labor	\$93 00	
Warren Harvey, supt., “	231 00	
D. H. Young, drain pipe	580 90	
T. McQuestion, cement pipe	51 75	
A. H. Lowell, cesspools, covers, &c.	501 56	
Charles Wells, cesspool stone	3 00	
E. G. Haines, drain pipe	10,317 10	
R. W. Flanders, blacksmithing	79 95	
Amoskeag Manf'g Co., pipe, pumps and waste	7 92	
E. M. Tubbs, drain pipe	26 40	
French & Robertson, carpenter work	96 17	
Drake & Carpenter, cement	5 10	
G. W. Thayer & Son, rubber boots	19 25	
B. L. Hartshorn, carting pipe	105 33	
Jesse Gault, brick	3,371 65	
Pettee & Whittle, cement	185 82	
Eben Ferren, pipe	12 65	
Edward Wyman, damage to block while blasting	4 00	

Barr & Clapp	1 50	
Plumer, Chandler & Co., oil suits	9 50	
H. & H. R. Pettee, cement	1,258 81	
L. B. Bodwell & Co.	5 00	
J. Q. A. Sargent	44	
J. S. Kidder & Co., cement	17 00	
Geo. W. Weeks, rubber boots	4 00	
Daniels & Co., hardware	73 13	
Ellis & Patterson, engineering services	145 50	
Pike & Heald, lantern, lamps, &c.	7 98	
R. W. Flanders, blacksmith work	11 55	
A. C. Wallace, lumber	231 30	
A. Dinsmore, lumber	124 61	
John B. Varick, hardware	15 19	
W. Harriman, lumber	22 20	
W. C. Rogers, hardware	27 25	
J. B. Sawyer, engineering ser- vices	152 01	
J. M. Chandler & Co., oil, pow- der, &c.	72 30	
Jere. Stickney, rubber mittens	3 00	
For labor of men and teams, as per pay rolls	12,935 79	
Amount	\$30,810 61	
Balance to new account	20,172 91	
	<u>50,983 52</u>	

GRADING FOR CONCRETE.

		DR.
To balance from old account	\$114 13	
Appropriation	1,500 00	
	<u>1,614 13</u>	\$1,614 13

		CR.
Paid Warren Harvey, supt.	2 25	
Ellis & Patterson, engineers' ser- vices	93 70	
S. A. Felton, building culvert	25 00	
City teams, labor	129 75	
for labor, as per pay rolls	728 37	
City Farm, labor	49 50	
	<hr/>	
Amount	\$1,028 57	
Balance to new account	585 56	
	<hr/>	
		\$1,614 13

MACADAMIZING.

		DR.
To balance from old account	\$881 94	
Appropriation	5,000 00	
	<hr/>	
		\$5,881 94
		CR.
Paid for labor, as per pay rolls	\$2,445 24	
Kimball & Gerrish, for tallow	75	
Wm. Parker, for stone	12 00	
Water-Works, water for crusher	22 50	
John B. Varick, hardware	23 51	
A. Dinsmore, lumber	6 53	
Amoskeag Manf'g. Co., repair- ing crusher	11 75	
Amoskeag Manf'g. Co., quarry- ing stone	75 00	
L. B. Bodwell & Co., wood and tallow	70 05	
A. Bodwell, stone	23 00	
Daniels & Co., hardware	1 50	
W. C. Rogers, "	6 01	

Lamson & Marden, sharpening tools	25 57	
City teams, labor	172 75	
	<hr/>	
Amount	\$2,896 16	
Balance to new account	2,985 78	
	<hr/>	\$5,881 94

COMMONS.

		DR.
To balance from old account		\$532 29
		CR.
Paid A. Dinsmore, lumber	25 90	
French & Robertson, carpenter work	72 04	
J. J. Abbott, painting fence	25 00	
A. H. Lowell, castings and labor	20 50	
J. L. Kelly, painting fence	50 00	
Thos. A. Lane, putting in pipe	1 52	
Labor and teams, as per pay rolls	105 66	
	<hr/>	
Amount	\$300 62	
Balance to new account	231 67	
	<hr/>	\$532 29

PAVING STREETS.

		DR.
To balance from old account	\$100 39	
Appropriation	2,000 00	
	<hr/>	\$2,100 39
		CR.
Paid labor of men and teams, as per pay rolls	\$769 09	

A. Bodwell, stone	422 00	
Hackett & Robie, concrete	278 49	
Brown & Brown, "	104 15	
Ellis & Patterson, engineering services	3 00	
Robert Bunton, paving stone	13 05	
	<hr/>	
Amount	\$1,589 78	
Balance to new account	510 61	
	<hr/>	\$2,100 39

VALLEY CEMETERY.

		Dr.
To balance from old account	\$243 41	
Appropriation	1,000 00	
J. F. James, lots sold	108 66	
H. R. Pettee, tree	1 05	
R. M. Shirley, stone	4 70	
Amount received for rent of city tomb	78 50	
	<hr/>	\$1,436 32
		Cr.
Paid C. R. Colley, painting fence	59 12	
Sullivan Bros., stove and pipe	16 53	
J. B. Varick, shovels	3 50	
Geo. Holbrook, building fence	89 97	
Warren Harvey, supt., labor	11 25	
J. J. Abbott, painting fence	25 00	
D. H. Young, roofing	15 80	
Gay, Wells & Co., 500 loads sand	50 00	
Nutt Brothers, whitewashing tomb	3 00	
Benjamin Stevens, labor	25 50	

A. H. Hartshorn, labor . . .	456 50	
E. S. Harvey, teaming . . .	13 50	
M. & D. F. Boyce, teaming . . .	13 50	
For labor, as per pay rolls . . .	43 50	
	<hr/>	
Amount	\$826 67	
Balance to new account . . .	609 65	
	<hr/>	\$1,436 32

PINE GROVE.

		DR.
To Balance from old account . . .	\$735 68	
Cash received for lots sold . . .	1,455 38	
“ “ “ wood sold . . .	3 38	
	<hr/>	\$2,194 44

		CR.
Paid William Chase, labor . . .	504 87	
A. McIndoe, “ . . .	293 25	
A. B. Chase, “ . . .	147 50	
Edward Clough, “ . . .	18 50	
B. F. Mitchell, “ . . .	4 50	
Fogg & James, teams . . .	5 00	
Daniels & Co., hardware . . .	24 95	
J. F. James, laying out lots and horse hire	112 00	
J. W. Poland, trees . . .	4 50	
B. F. Baker, trees . . .	15 00	
J. W. Goodel & Co., making and blacking letters	132 00	
M. V. B. Kinne, building fence	64 83	
John Prince, Norway spruces . .	26 80	
Concord Railroad, freight . . .	14 40	
W. Ireland, building extension to tool shed	153 50	

Pike & Heald	3 42	
	<hr/>	
Amount	\$1,525 02	
Balance to new account	669 42	
	<hr/>	\$2,194 44

LIGHTING STREETS.

		DR.
To Appropriation	\$5,500 00	
Reserved fund, amount trans- ferred	623 81	
	<hr/>	\$6,123 81
		CR.
Paid Manchester Gas Light Co., gas	\$3,499 30	
Manchester Gas Light Co., light- ing lamps	1,678 58	
For signs, lanterns and posts	376 36	
A. H. Lowell, lamp posts and lantern frames	373 40	
T. L. Quimby, lighting Amos- keag Falls Bridge	45 00	
J. M. Chandler & Co., lamps and oil	3 90	
Pike and Heald, repairing lan- terns, &c.	35 27	
J. K. Stevens, lighting lanterns	10 88	
M. R. Currier, kerosene oil	9 98	
J. E. Bailey, lighting lamps	31 96	
S. L. Flanders, oil and wicks	8 16	
H. Fradd & Co., oil	4 55	
Simon Dodge, lighting street lamps	16 53	
David Perkins, lighting street lamps	24 14	

C. J. Thompson, lighting street lamps	5 80	
	<u>5 80</u>	\$6,123 81

PRINTING AND STATIONERY.

		DR.
To Balance from old account	882 10	
Appropriation	1,500 00	
	<u>1,500 00</u>	\$2,382 10
		CR.
Paid Campbell & Hanscom, printing and advertising	\$357 04	
John B. Clarke, printing and advertising	1,142 84	
Saturday Night Dispatch, print- ing and advertising	28 75	
Rollins & Kingdon, printing and advertising	8 62	
Wm. E. Moore, printing	1 50	
C. F. Livingston, "	120 00	
C. F. Peasley, "	70 50	
Wm. H. Annan "	4 25	
E. C. Bailey, "	23 25	
J. Henry Flagg, ink	4 63	
Post-Office, stamps	56 57	
J. R. Swallow, ink and stationery	7 20	
Temple and Farrington, station- ery	156 07	
Albert Jackson, postage	6 38	
Thomas Howe, blank books	1 50	
E. R. Coburn, stationery	18 61	
George C. Hoitt, books and blanks	27 30	
Ryder & Blunt, pens	75	

Thomas W. Lane, stationery	5	12	
John P. Newell, "	3	13	
John P. Young, jr., "		75	
			<hr/>
Amount	\$2,044	76	
Balance to new account	337	34	
			<hr/>
			\$2,382 10

HYDRANT SERVICE.

			DR.
To Balance from old account	\$1,580	00	
Appropriation	15,000	00	
Reserved fund	25	00	
			<hr/>
			\$16,605 00
			CR.
Paid Water-Works, for water			\$16,605 00

RESERVOIRS.

			DR.
To Balance from old account			\$781 07
			CR.
Paid for labor of men and teams, as per pay rolls	50	60	
Ellis & Patterson, engineering services	4	50	
E. G. Haines, mason work	28	50	
H. & H. R. Pettee, cement	58	68	
A. H. Lowell, castings and labor	5	40	
French & Robertson, carpenter work	91	43	
Pike & Heald, repairing pipe		75	
Patrick Finn, care of reservoirs	25	00	
			<hr/>
Amount	\$264	86	
Balance to new account	516	21	
			<hr/>
			\$781 07

FIRE DEPARTMENT.

DR.

To Balance from old account . . .	\$459 42	
Appropriation	13,000 00	
Pike & Heald, overdraft	2 55	
	<u> </u>	\$13,461 97

AMOSKEAG STEAM FIRE ENGINE COMPANY No. 1.

CR.

Paid J. S. & M. K. Burbank, wood	\$14 23	
W. Harvey, drawing wood	4 00	
Gas Light Co., gas	58 92	
L. B. Bodwell & Co., coal	83 88	
E. Branch, blankets	8 50	
A. B. Webster, hook	75	
J. M. Chandler, oil	9 95	
Plumer, Chandler & Co., jackets	19 00	
George R. Simmons, oiling hose	5 00	
Sullivan Brothers, coal hod	1 50	
Amoskeag Manufacturing Co., repairing hose carriage	43 65	
Company's bill, for services	825 00	
	<u> </u>	\$1,074 38

FIRE KING No. 2.

CR.

Paid J. S. & M. R. Burbank, wood	14 24
Daniels & Co., oil, &c.	8 50
Warren Harvey, drawing wood	4 00
Gas Light Co., gas	62 95
L. B. Bodwell & Co., coal	83 88
J. M. Chandler & Co., potash	1 77

Amoskeag Manf'g. Co., repair- ing steamer	231 25	
Joel Daniels, painting hats	3 25	
A. W. Kenniston, oiling hose	5 00	
Pike & Heald, repairing lamps, &c.	61	
H. C. Sanborn, wood	5 62	
Sullivan Bros., grate for stove	2 00	
T. M. Conant, sawing and put- ting in wood	9 06	
Company's bill, for services	825 00	
	<hr/>	\$1,257 13

E. W. HARRINGTON S. F. ENGINE CO. No. 3.

CR.

Paid Jere. Stickney, repairing hose	12 00	
Gas Light Co., gas	14 85	
L. B. Bodwell & Co., coal	55 91	
H. Fradd & Co., oil	18 68	
A. P. Frye, blacksmith work	4 00	
R. W. Martin, painting	20 00	
Joel Daniels, painting hats	3 50	
A. C. Wallace, wood	6 75	
Water-Works, use of water	3 00	
A. C. Wallace, team	150 00	
J. Schofield, oiling hose	5 00	
C. H. Hodgman, teaming	2 75	
I. R. Dewey, wood	6 00	
Company's bill, for services	9 40	
	<hr/>	\$1,242 44

N. S. BEAN S. F. ENGINE CO. No. 4.

		CR.
Paid J. S. & M. R. Burbank, for wood	14	23
Amoskeag Manufacturing Co., repairing hose carriage, &c.	51	70
F. N. McLaren, oiling hose .	4	25
Warren Harvey, drawing wood	4	00
Gas Light Co., gas	77	41
L. B. Bodwell & Co., coal . .	83	86
J. M. Chandler & Company, oil, matches, &c.	7	91
Joel Daniels, painting hats .	3	50
John Cushing, oiling hose .	5	00
Pike & Heald, rep. smoke stack	1	60
Sullivan Bros., stove, pipe and fitting	49	70
Company's bill, for services .	825	00
L. Searles, driver	26	50
	<hr/>	\$1,154 66

EXCELSIOR HOOK AND LADDER CO. No. 1.

			CR.
Paid Daniels & Co., duster . . .	\$3	50	
W. Harvey, drawing wood . . .	4	00	
Gas Light Co., gas	33	10	
Elliot & Meaus, rent of rooms .	120	00	
Joseph Comfort, sawing wood .	2	25	
Henry Moulton, ladder	3	50	
Joel Daniels	7	50	
J. M. Chandler & Co., matches	60		
French & Robertson, ax handles and fitting	1	05	
Company's bill for services .	1,525	85	
	<hr/>		\$1,701 35

PENNACOOK HOSE CO. No. 1.

		CR.
Paid W. Harvey, drawing wood	\$4 00	
Gas Co., gas	31 92	
N. E. Linen Hose Co., hose	270 00	
J. M. Chandler & Co., oil, matches, &c.	6 60	
E. Branch, repairing and oiling harness	8 62	
Joel Daniels, painting hats	3 75	
M. C. Clark & Co., shoeing horses	6 15	
C. H. Leach, teaming	2 19	
Amoskeag Manufacturing Co., repairing hose carriage	32 44	
Daniels & Co, hose	6 21	
W. L. Blenus, oiling hose and putting in coal	13 00	
Pike and Heald, gilt ball	1 50	
Sullivan Bros., stove and pipe	47 65	
E. Branch, repairs	9 62	
Company's bill for services	845 00	
J. M. Plaisted, sawing wood	2 25	
J. M. Plaisted, driver	600 00	
W. L. Blenus, "	23 33	
	<hr/>	\$1,914 23

MASSABESIC HOSE CO. No. 2.

		CR.
Paid Daniels & Co., snow shovels	\$2 25	
Gas Light Co., gas	10 74	
J. M. Chandler & Co., brooms and matches	1 18	
C. A. Hardy, use of horse	15 00	

Water-Works, rent of water	6 26	
Wm. Boyd, use of horse	24 00	
P. W. Hannaford, oiling hose	5 00	
L. B. Bodwell & Co., coal	26 92	
Sullivan Bros., grate for stove, &c.	2 00	
J. B. McCrillis & Son., setting tire	3 00	
Company's bill for service	695 00	
	<hr/>	\$791 35

ENGINEERS' DEPARTMENT AND MISCELLANEOUS.

CR.

Paid Hunt & Lowell, repairing lan- terns, &c.	\$2 70
Patrick Finn, care of reservoirs	\$28 88
Gas Light Co., gas	9 18
City Teams	75
Augustus Robie	92
G. H. Porter, work on fire alarm	26 25
John Cushing, work on coal	3 00
C. F. Peasley, printing	2 50
Dunlap & Baker, repairing clock	1 00
Daniels & Co., hardware, hose, &c.	19 77
James Kearns, services supply wagon	75 00
Plumer, Chandler & Co., jackets and overalls	47 75
W. S. Blenus, putting in coal	3 00
Campbell & Hanscom, printing	3 50
Charles Williams, jr., battery, glasses, insulator, &c.	39 32

A. H. Lowell, zines	66 00
Water-Works, use of water	58 26
John B. Clarke, printing	13 00
C. J. Abbott, care of telegraph	50 00
J. W. Preston, labor on telegraph	85 94
Amoskeag Manufacturing Co., waste and ax	7 00
H. A. Winship, fire hats	9 00
Stearns & George, blue vitriol	46 62
L. B. Bodwell & Co., wood	13 00
Concord Railroad, freight	1 45
French & Robertson, carpenter work	7 22
Thomas Mahoney, assistant on supply wagon	12 00
M. D. Cole, hose dressing	58 78
C. H. Hodgman, paid freight	3 16
Pike & Heald, water pot and dipper	97
Belt and Leather Co., 2 bbls. hose oil	124 88
J. Schofield, pumping out reser- voir	5 00
Joel Daniels, painting hats	1 25
W. E. Moore, printing	20 00
French & Robertson, repairing chairs	1 00
A. B. Cushing, distributing bills	5 25
J. M. Chandler & Co., crash	2 79
S. S. James & Bro., teams	6 00
Highway District No. 2, shovel- ing snow from hydrants	15 00
Amoskeag Manufacturing Co., 1 lantern	6 00
J. F. Pherson, chief engineer	115 00

Patrick Sullivan, assistant engineer and clerk	90 00	
D. H. Young, assistant engineer	65 00	
John Patterson, assistant engineer	65 00	
George H. Dodge, assistant engineer	65 00	
Edwin Branch, repairs	4 25	
A. B. Cushing, extra allowance	5 00	
G. W. Butterfield, extra allowance	5 00	
	<u> </u>	\$1,297 43

RECAPITULATION.

Paid Amoskeag No. 1	\$1,074 38	
Fire King No. 2	1,257 13	
E. W. Harrington No. 3	1,242 44	
N. S. Bean No. 4	1,154 66	
Hook and Ladder No. 1	1,701 35	
Pennacook Hose Co. No. 1	1,914 23	
Massabesic Hose Co. No. 2	791 35	
Miscellaneous	1,297 34	
City teams, for use of teams, amount transferred	<u>1,500 00</u>	
Amount	\$11,932 88	
Balance to new account	1,529 09	
	<u> </u>	\$13,461 97

FIRE ALARM TELEGRAPH.

DR.

To Appropriation	\$1,500 00
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CR.

Paid Daniels & Co., alcohol, &c.	1 82	
C. H. Leach, trucking	70	
S. C. Forsaith & Co., repairing bells	5 10	
Pike & Heald, zinc	70	
Amoskeag Manufacturing Co., labor on brackets, &c.	16 44	
J. L. Kennedy, painting, &c.	5 30	
J. W. Preston, labor on fire alarm	178 87	
Manchester Mills, blue vitriol	68 00	
C. F. Peasley, printing	25 00	
Edward Rogers, repairs	9 16	
A. H. Lowell, zinc	137 70	
Campbell & Hanscom, printing	20 50	
Stearns & George, blue vitriol	92 16	
Gamewell & Co., outside signal box case	10 00	
D. H. Young, paid freight	1 27	
Joel Daniels, setting glass	3 90	
B. C. Kendall, care of telegraph	25 00	
	<hr/>	
Amount	\$601 62	
Balance to new account	898 38	
	<hr/>	\$1,500 00

POLICE DEPARTMENT.

DR.

To Appropriation	\$14,000 00
Receipts from J. B. Mills, for fees and costs	1,007 50
Receipts from T. D. Luce, for fees and costs	321 67

Receipts from D. A. Simons, for fees and costs	421 98
Receipts from Wm. B. Patten, for fees and costs	2,845 36
Dickey, Young & Co., overdraft .	34 28
L. B. Bodwell & Co., " .	13 00
Reserved fund, am't transferred	2,912 69
	<hr/> \$21,556 48

CR.

Paid Canney and Wiley, sundries .	\$5 65
D. A. Simons, team, &c.	150 84
D. P. Perkins, attorney fees .	7 00
Gas Co., gas	529 62
W. E. Moore, printing	28 00
J. A. Eastman, mason work .	27 25
C. F. Peasley, printing	30 50
Campbell & Hanscom, printing	106 81
Brigham & Pratt, crackers .	26 75
Sanborn & Hovey, stove	4 20
Fred Allen, laundry work	5 00
M. V. B. Kinne, lumber	2 41
John B. Clarke, printing	239 68
John B. Mills, salary as clerk .	175 00
E. R. Coburn, stationery	5 04
Dickey, Young & Co., fuel	30 68
Daniels & Co., oil	31 50
Kate Carroll, washing	3 20
John B. Varick, door bolt	25
Thomas H. Tuson, printing	75
Temple & Farrington, blank books, &c.	65 37
D. M. Goodwin, chimney	2 65
George C. Hoitt, blank books .	7 25
W. H. Vickery, key and repair- ing locks	9 20

Dr. L. B. How, services as physician	3 00
Dr. L. French, services as physician	3 00
Western Union Telegraph Co.	27 55
H. D. Corliss, feeding prisoners and travelers	52 90
P. C. Cheney & Co., waste and paper	4 18
H. W. Longa, use of team	184 50
S. S. James & Bro., use of team	1 50
Ryder & Blunt, stationery	3 25
A. W. Prescott, laundry work	5 50
L. B. Bodwell & Co., coal	119 67
A. H. Paige, badges	4 50
T. L. Quimby, Captain of the Watch	30 00
David Perkins, Captain of the Watch	905 76
W. H. B. Newhall, watchman	608 61
H. H. Noyes, "	70 87
J. C. Colburn, watchman and day police	632 25
H. Stearns, watchman	492 74
Ed. Bonner, "	283 26
Jas. Bucklin, "	650 24
T. P. Shea, "	248 93
Z. B. Wright, "	849 37
Michael Fox, "	858 37
R. W. Bean, watchman and day police	847 13
Timothy Connor, watchman	289 13
Eben Carr, "	629 99
Wm. Esty, "	240 75
David Alden, "	115 88

A. Vincellette, watchman	.	444	37
Wm. R. Farnham, "	.	31	50
Henry Harmon, "	.	825	75
Edward Mulcahey, "	.	192	38
Gideon Rochette, "	.	189	01
James K. Stevens, "	.	226	13
H. W. Longa, watchman and day police . . . . .	.	182	25
George F. Laird, watchman and day police . . . . .	.	249	18
Hiram Ordway, watchman	.	172	13
Charles B. Clarkson, watchman	.	517	49
John McCabe, police services	.	163	11
H. P. Marshall, watchman	.	614	24
James E. Bailey, " . . .	.	607	50
Michael Marr, " . . .	.	732	33
Thos. W. Cavanaugh, watchman	.	368	43
James F. Dunn, " . . .	.	565	87
John F. Cassidy, " . . .	.	503	99
Thomas Lynch, police services	.	33	75
John Smith, " " . . .	.	2	25
George B. Sanford, " " . . .	.	1	13
Simon Dodge, " " . . .	.	15	75
Frank Harvell, " " . . .	.	3	38
D. T. Burleigh, " " . . .	.	13	50
Samuel Clark, " " . . .	.	13	50
Bernard Otis, " " . . .	.	3	93
Henry Bennett, " " . . .	.	329	05
Frank Groux, " " . . .	.	3	38
Jonas Tirrell, " " . . .	.	1	13
Tim. Collins, " " . . .	.	1	13
D. W. Bartlett, " " . . .	.	3	38
E. G. Hastings, " " . . .	.	3	38
John Cronin, " " . . .	.	31	50
C. Desmond, " " . . .	.	10	13

C. E. Rowe, police services, .	13 50
Thomas Train, watchman .	286 79
Albert Story, police services .	5 63
N. Veasey, " " .	6 75
John Waters, " " .	4 50
John Smith, " " .	4 50
G. W. Minard, " " .	4 50
Michael Talty, " " .	2 25
Frank Robie, " " .	2 25
G. L. Mooer, " " .	2 25
J. S. Webster, " " .	2 25
H. O. Hill, " " .	5 63
J. S. Weeks, " " .	1 13
Stephen Homans, police services	2 25
G. W. Hamlin, " " .	4 50
H. C. Hunton, " " .	5 63
Felix Bushway, " " .	2 25
Oscar Craig, " " .	2 25
J. E. Floyd, " " .	2 25
Peter Shiatte, " " .	1 13
Ed. Holmes, " " .	8 99
D. R. Prescott, salary as assist- ant marshal	322 91
D. R. Prescott, provisions for prisoners	23 00
D. R. Prescott, conveying prison- ers	12 00
D. R. Prescott, cash paid out .	7 87
John P. Bartlett, salary as judge of police court	854 16
D. A. Simons, salary as marshal	311 86
D. A. Simons, salary as health officer	6 25
W. B. Patten, salary as marshal	589 40
W. B. Patten, cash paid out .	133 98

H. W. Longa, salary as assistant marshal	437 75
N. H. Wilson, assistant judge of police court	21 00
N. P. Hunt, judge police court	645 84
Thos. D. Luce, clerk of police court	125 00
John J. Tower, buttons, belts and tassels	26 85
T. Jefferson Morrison, professional services	2 00
E. G. Haines, whitewashing lobby	5 00
Fogg & James, teams	11 50
M. J. Jenkins, team	3 00
W. B. Patten, salary as health officer	15 00
E. G. Woodman, police services	2 24
Harvey Hill, " "	10 12
David Thayer, " "	8 99
M. J. Jenkins, night watchman	375 74
Samuel Amsden, police services	3 37
S. C. Amsden, " "	5 63
Pat Riley, " "	12 38
Dennis Dee, " "	5 62
Jere. Garvin, " "	2 25
W. H. Emery, " "	5 62
S. L. Mitchell, " "	66 62
E. A. G. Holmes, " "	5 63
Jere. Murphy, " "	5 62
T. P. Badger, " "	4 50
E. R. Waldron, " "	5 62
C. H. Reed, " "	6 75
Orrison Webber, " "	3 37
J. E. Dinsmore, " "	5 62
J. W. Mears, " "	3 37

B. W. Robinson, police services	2	25	
T. P. Heath, " "	8	99	
N. Baker, 2d, " "	2	25	
A. J. Mayhew, " "	7	87	
S. R. Davidson " "	3	37	
Chas. A. Pierce, " "	4	50	
J. O. Whittemore, " "	3	37	
John A. Barker, " "	4	50	
James Duffey, " "	325	12	
C. P. Savory, " "	6	75	
E. G. Garmon, " "	4	50	
Perry Eaton, " "	3	37	
Thomas Johnson, " "	1	69	
			<u>\$21,556 48</u>

SALARIES.

			DR.
To Balance from old account . . .	\$749	12	
Appropriation	10,000	00	
			<u>\$10,749 12</u>

			CR.
Paid Alpheus Gay, mayor . . .	\$222	22	
Ira Cross, "	777	77	
J. E. Bennett, clerk	23	40	
Albert Jackson, clerk	356	45	
John P. Newell, "	657	30	
H. R. Chamberlin, treasurer . .	1,000	00	
Roland Rowell, clerk of common council	22	75	
S. B. Putnam, clerk of common council	77	50	
Timothy Clark, messenger . . .	37	72	
Michael Talty, "	121	47	

John A. Barker, messenger . . .	441 65
John Hosley, collector . . .	568 50
James Mitchell, " . . .	533 33
D. L. Perkins, solicitor . . .	41 67
Jonathan Smith, " . . .	250 00
J. G. Dearborn, superintendent of schools	1,200 00
W. W. Baker, assessor . . .	220 50
C. C. Colby, " . . .	111 00
J. C. Head, " . . .	39 00
Timothy Sullivan, " . . .	139 50
Joseph Bean, " . . .	39 00
Wm. B. Johnson, " . . .	63 00
N. Nichols, " . . .	246 00
John P. Moore, " . . .	45 00
H. W. Powell, " . . .	105 00
Jacob F. James, " . . .	181 50
D. A. Simons, overseer *of poor	75 00
John McKenna, " " . . .	25 00
S. J. Young, " " . . .	29 17
J. Stickney, " " . . .	29 17
E. A. Moulton, " " . . .	25 00
P. A. Devine, " " . . .	29 17
Israel Webster, " " . . .	25 00
Geo. W. Wilson, " " . . .	18 75
N. P. Kidder, ward clerk . . .	5 00
W. A. Perry, " " . . .	5 00
Chas. H. Stebbins, ward clerk	5 00
George A. Little, " " . . .	5 00
Chas. B. Brown, " " . . .	2 50
Wm. H. Cate, " " . . .	5 00
J. B. Mills, " " . . .	2 50
John Ryan, assessor . . .	100 50
H. P. Watts, " . . .	69 00
Geo. H. Colby, " . . .	69 00

Isaac Whittemore, assessor	.	123 00
J. H. Haynes,	"	225 00
A. C. Wallace,	"	91 50
Timothy Sullivan, selectman	.	5 00
F. G. Stark,	"	5 00
J. W. Smith,	"	5 00
Pat Harrington,	"	5 00
Frank E. McKean,	"	5 00
N. F. Folsom,	"	5 00
C. W. Clement,	"	5 00
J. W. Dickey,	"	5 00
W. F. Sleeper,	"	5 00
S. D. Pollard,	"	5 00
G. H. Colby,	"	5 00
Fred. B. Balch,	"	5 00
Frank W. Avery,	"	5 00
Wm. Fitzgerald,	"	5 00
A. H. Barker,	"	5 00
Thomas Howe,	"	5 00
C. O'Shaughnessy,	"	5 00
John P. Young, jr.,	"	5 00
Wm. H. Kennedy,	"	5 00
Hiram Bailey,	"	5 00
Oscar G. Farmer,	"	5 00
Hiram Simons,	"	5 00
Charles Chase,	"	5 00
J. H. Haynes,	"	5 00
Hugh McDonough,	"	7 50
H. G. Connor,	"	6 50
John H. Proctor,	"	5 00
J. A. Hutchinson,	"	2 50
J. J. McCarty,	"	2 50
John Cronin,	"	2 50
John P. Young, jr.,	"	2 50
John Laughlin,	"	2 50

A. J. Pillsbury, selectman	2 50
Albert Jackson, moderator	3 00
R. J. Donnelly, "	3 00
W. C. Knowlton, "	3 00
Wm. Little, "	4 50
Edson Hill, "	3 00
D. H. Maxfield, moderator (two years)	6 00
D. A. Simons, health officer	25 00
R. J. P. Goodwin, health officer	25 00
Joel Daniels, school committee	10 00
J. W. Severance, school com- mittee	10 00
J. P. Walker, school committee	10 00
J. K. McQueston, school com- mittee	10 00
J. P. Newell, school committee	10 00
J. J. Sullivan, " "	10 00
William Little, school committee and clerk	35 00
N. H. Wilson, school committee	10 00
S. P. Jackson, " "	10 00
Martin Fitzgerald, school com- mittee	10 00
W. F. Byrns, school committee	10 00
N. W. Cumner, " "	10 00
L. B. Clough, " "	10 00
G. E. Stevens, " "	10 00
M. P. Hall, " "	10 00
A. Gay, " "	10 00
H. C. Canney, city physician	50 00
Judith Sherer, matron at pest- house	91 00
F. T. E. Richardson, supervisor	4 50
George H. Dodge, "	4 50

Parker H. Houston, supervisor .	4 50
W. G. H. Dunham, " .	4 50
Frank Harvell, " .	4 50
Freeman Higgins, " .	4 50
C. C. Colby, " .	4 50
D. T. Burleigh, " .	4 50
John M. Chandler, " .	4 50
E. M. Topliff, " .	4 50
John M. Hayes, " .	4 50
A. C. Flanders, " .	4 50
John F. Conway, " .	4 50
D. H. Young, " .	4 50
Charles Chase, " .	2 25
Jos. H. Haynes, inspector .	35 00
H. D. Lord, " . .	66 25
J. J. Dillon, " . .	37 50
S. D. Pollard, " . .	35 00
L. H. James, " . .	51 25
H. Fradd, " . .	31 25
Isaac Whittemore, " . .	32 50
E. G. Haynes, " . .	35 00
	<hr/>
Amount,	\$9,426 99
Balance to new account, .	1,322 13
	<hr/>
	\$10,749 12

CITY HALL AND OFFICES.

To Balance from old account,	\$1,874 84
Albert Jackson, cash received	
from rent of stores . . .	561 75
John P. Newell, cash received	
from rent of stores . . .	1,023 50

DR.

John P. Newell, cash received		
from rent of City Hall	84	00
Balance (overdrawn)	102	32
	<hr/>	\$3,646 41

CR.

Paid Gas Light Co., for gas	\$279	29
Daniels & Co., pails, brooms, &c.	6	66
D. A. Simons, furniture	4	25
H. S. Hutchins, carpenter work	1	50
J. S. Holt, soap	9	56
James Carroll, sawing wood	2	50
Kate Carroll, cleaning offices . . .	38	25
Tim. Clark, cash for sundries . . .	7	00
B. F. Fogg, repairing pipes	19	34
Dickey, Young & Co., fuel	124	86
James Collins, fuel	1	00
John Dickey, fuel	7	00
Water-Works, use of water	143	00
Christian Society, rep. wood box	5	00
J. M. Chandler & Co., matches, &c.	5	19
Pike & Heald, repairing pipe	19	22
John Cronan, carrying in wood		50
J. Q. A. Sargent, rep. pipes, &c.	30	82
W. H. Vickery, rep. locks, &c.	16	60
Bridget Riley, cleaning,	59	05
P. C. Cheney & Co., paper	7	48
J. Tuck & Co., cleaning carpets	6	50
Geo. Holbrook, carpenter work	26	32
J. L. Kennedy, setting glass, &c.	4	32
Barton & Co., oil cloth	6	63
L. B. Bodwell & Co., fuel	153	55
T. A. Lane, hose and rep. pipe . . .	63	76
J. W. M. Hunt & Co., clamp irons for flagstaff	3	50

E. G. Haynes, rep. lobby	15 50	
French & Robertson, flagstaff	29 65	
John A. Barker, pitchwood	4 23	
A. H. Lowell, posts	2 89	
David Libbey, repairing chairs	2 15	
Dickey, Young & Co., ice	7 33	
A. M. Eastman, brooms, &c.	6 87	
French & Robertson, carpenter work	25 14	
	<hr/>	
Amount	\$1,146 41	
Reserved fund, amount trans- ferred	2,500 00	
	<hr/>	\$3,646 41

REPAIRS ON BUILDINGS.

		DR.
To Balance from old account	\$459 25	
Appropriation	500 00	
	<hr/>	\$959 25
		CR.
Paid B. F. Fogg, repairs on engine- house	\$3 25	
Daniels & Co., repairs on Penna- cook hose-house	13 15	
J. L. Kennedy, painting court house	72 28	
Henry French, repairing hook- and-ladder house	8 05	
Sanborn & Hovey, repairing water-closets	2 00	
J. L. Kennedy, setting glass	17 25	
J. Q. A. Sargent, piping court- house, &c.,	27 55	

R. J. Donnelly, brackets, &c.	9 85
L. N. Dufrain, repairing pump in stable	2 50
Nutt Bros., mason work	125 00
C. H. Manley & Co., carpenter work	6 95
Pike & Heald, repairing water- closets	47 76
Fairbanks & Folsom, pipe and zinc	22 95
Joseph Comfort, labor	1 50
S. J. Dascomb, repairs at library	8 00
George Holbrook, repairs at court-house	67 72
N. R. Bixby, repairing No. 3 en- gine-house	8 00
A. Dinsmore, lumber	91 20
J. H. Wales, mason work	29 64
H. N. Hall, carpenter work	114 40
A. C. Wallace, lumber	82 26
A. D. Sherer, work on pest- house	14 00
J. C. Young, repairing stable and hall	30 65
Manley & Kimball, repairing on engine-house	4 95
James Doland, washing engine- house	6 00
French & Robertson, carpenter work	13 27
Mike Buckley, labor	5 00
	<hr/>
Amount	\$835 13
Balance to new account	124 12
	<hr/>

\$959.25

CITY LIBRARY.

		DR.
To Balance from old account	\$1,985 34	
Appropriation	1,000 00	
Reserved fund	1,500 00	
	<hr/>	\$4,485 34
		CR.
Paid C. H. Marshall, librarian	\$800 00	
Temple & Farrington, binding books	265 49	
J. B. Varick, shovels, &c.	2 10	
Straw & Lovejoy, repairing clock	2 50	
E. P. Johnson & Co., coal	9 50	
Gas Light Co., gas	212 80	
John B. Clarke, printing and advertising	26 75	
John B. Clarke, Daily Mirror 3 years	18 00	
John B. Clarke, Weekly Mirror and Farmer for 3 years	4 50	
Water-Works, use of water	20 00	
C. F. Peasley, printing	3 00	
Ætna Insurance Co., insurance	32 50	
John V. Sullivan, paper	1 25	
Campbell & Hanscom, printing and advertising	14 50	
C. F. Livingston, printing	11 50	
Dickey, Young & Co., fuel	212 50	
George Holbrook, carpenter work	1 50	
Appropriation for books	1,000 00	
	<hr/>	
Amount	\$2,638 39	
Balance to new account	1,846 95	
	<hr/>	\$4,485 34

INCIDENTAL EXPENSES.

	DR.	
To Balance from old account	\$1,564 02	
Appropriation	8,000 00	
H. W. Herrick, overdraft	6 00	
Jona. Smith, witness fees refunded	1 49	
	—————	\$9,571 51
		CR.
Paid Cyrus W. Flanders, damage to person	\$100 00	
Elsena M. Blanchard, damage to person	100 00	
John Lee, damage to land	212 50	
Mrs. John N. Chase, damage to person	75 00	
Lizzie Chamberlain, damage to person	459 57	
Susan Baldwin, damage to person	500 00	
Mrs. Edward Fagan, damage to person	75 00	
Mrs. S. T. Sleeper, damage to sleigh	20 00	
Mary O'Grady, damage to person	50 00	
Margaret Fallon, on execution	824 88	
Samuel O. Hall, on execution	84 70	
Sally George, damage to person	25 00	
James Collins, jr., war bounty	125 00	
C. A. & C. O. Murray, damage	50 00	
Mary J. Clement, on execution	178 75	
P. C. Cheney & Co., paper	10 40	
Fogg & James, horse hire	43 25	
J. L. Kennedy, painting scales	10 70	
Ellis & Patterson, engineering services	161 53	

G. A. Ramsdell, prof. services .	48 50
J. B. Sawyer, engineering services, &c.	58 05
D. H. Young, roofing scales and piping	12 32
E. A. G. Holmes, labor on scales	61 90
J. B. Varick, hardware	1 63
Mrs. G. Emerson, witness fees .	2 00
T. B. Brown, 4 days on case Print Works vs. City of Manchester	12 00
Isaac Whittemore, 6 days on the same	18 00
Caroline K. Virgin, injury to person	430 35
Terrence Gilbert, injury to person	847 28
R. M. Shirley, use of team	20 00
John M. Hayes, use of team	28 50
Briggs & Huse, prof. services	208 50
J. B. McCrillis & Son, shafts on hearse	3 00
Folsom & Son, damage to goods	13 64
Heirs of John Rourke, land taken	31 60
Sullivan Brothers, use of stove, and fittings	14 15
Joseph E. Bennett, for making city report	150 00
D. A. Simons, mattress and repairing chairs at pest-house	36 25
T. L. Thorpe, use of room for meeting	25 00
Caswell & Stebbins, fitting ward room No. 3	15 25

J. Tuck & Co., preparing ward rooms 3 and 7	4 00
Engine No. 2, pumping water from cellar	60 80
Water-Works, use of water	23 75
H. C. Sullivan, guide-boards	10 00
A. Gay, team one year	100 00
A. Gay, cash paid out	9 25
D. M. Goodwin	4 50
U. D. Tenney, portrait of Gen. Stark	100 00
R. Laing, wood for ward rooms	5 50
Robinson & Tilton, frame for Stark portrait	100 00
C. M. Abbott, bottle mucilage	25
Wm. Parker, jr., two cushions	1 50
D. L. Perkins, professional ser- vices	11 00
Canney & Wiley, medicines	23 28
W. S. James, amount paid for sewer license, (refunded)	19 20
Albert Jackson, paid postage	6 60
H. W. Herrick, designs for frame of Gen. Stark's portrait, &c.	26 75
J. R. Swallow, Town Officer	2 50
E. G. Garmon, taxes refunded	7 20
U. S. & C. express	1 00
S. S. James & Bros., team	18 00
Engine No. 3, pumping out cel- lars	47 20
Engine No. 1, pumping out cel- lars	28 80
Engine No. 4, pumping out cel- lars	20 00

A. W. Dickey, putting up guide-boards	1 50
T. Jefferson Morrison, assigned council	2 00
M. O'Dowd, painting engine house No. 3	30 00
D. L. Perkins, extra services as city solicitor	30 00
J. P. Bartlett, professional services	275 00
W. J. Desilets, services for assessors	1 00
Moses Tracy, expenses in suit	42 84
Walter H. Baker, engineering services	25 00
John P. Newell, for postage	6 50
John P. Young, jr., ballot-box, Ward 6	1 00
Geo. W. Varnum, distributing notices	8 00
Geo. W. Varnum, burying two horses	5 55
George F. Jenkins, copying	2 00
W. W. Baker, use of team	4 00
J. A. Brown, team	8 00
H. W. Longa, use of team	4 50
Campbell & Hanscom, advertising dog notice	7 30
L. B. How, returning births and deaths	6 00
A. Dinsmore, lumber	95 05
Post-office, postage	4 00
J. Bailey Moore, labor on revision of ordinances	125 00

C. R. Morrison, professional services	172 55
E. E. Patch, repairing tree boxes	37 52
Dr. L. French, return of births	11 50
Jonathan Smith, cash paid for witness fees	5 93
J. Q. A. Sargent, repairs on trough	8 15
John G. Colt, trees	91 75
Dr. W. W. Wilkins, return of births	8 50
J. Cellar, ribbon for stamp	1 50
A. C. Wallace, lumber for house and scales	27 10
H. C. Dickey, culvert at cemetery	25 00
W. R. Patten, assigned attorney for minors	8 00
O. D. Abbott, return of births	11 25
J. B. Straw, professional services	20 00
Lamson & Marden, 12 landmarks	7 50
French & Robertson, setting and filing saws	4 20
S. C. Forsaith & Co., lumber	6 42
W. B. Patten, re-filling graves	2 00
A. B. Webster, repairing tree boxes	75
C. H. Hodgman, team	6 00
W. C. Rogers, saw and ax	4 25
Judith Sherer, services at pest-house	278 84
David Thayer, truant officer	212 63
W. B. Johnson, expense to Concord	5 00

C. A. Manning, record of births	2 00
Wm. McDonald, abatement of taxes	137 37
Mary F. X. Ward, abatement of taxes	55 17
Concord Railroad, freight on sprinkler	3 15
Jonathan Smith, professional services and cash paid out .	143 84
C. H. Hodgman, team	5 00
G. E. Hersey, in case of Clement vs. City	35 00
R. W. Bean, cash paid for team	3 00
J. B. Sawyer, engineering services	29 40
French & Robertson, setting and fitting drawers	5 40
Atlantic & Pacific Telegraph Co.	24 00
N. B. Abbott, burying dogs	3 50
J. F. James, engineering services	11 00
A. H. Lowell, drinking fountain	15 00
Fairbanks, Brow & Co., scales and weights	136 00
Alpheus Gay, witness fees	5 00
S. W. Parsons, " "	5 00
H. G. Connor, cash paid A. H. Lowell for grate	11 67
A. W. Sanborn, repairs on carriages	16 80
J. P. Newell, paid expense on Stark portrait	4 75
John A. Barker, sundries	4 00
Geo. A. Crosby, attendance in court	30 00
H. W. Longa, use of team	6 00

C. M. Hubbard, witness fees and costs paid out	26 88	
E. G. Haynes, mason work	5 80	
Geo. H. Dudley, carpenter work	16 31.	
J..F. James, services in locating lines	59 50	
Geo. E. Hersey, services, Rush vs. City	20 00	
John B. Batchelder, damage	5 00	
Wm. Shepherd, damage to sleigh	10 50	
Joel Daniels, lumber and labor	1 38	
Straw & Lovejoy, repairing clocks	15 00	
B. L. Hartshorn, removing lumber	1 75	
H. R. Chamberlin, cash paid out	4 05	
Jonathan Smith, cash paid for witness fees	15 54	
George Hoag, bank note detector	1 00	
Joseph H. Haynes, collating the unpaid taxes of 1874 and 1875	48 00	
Dunlap & Baker, cleaning and repairing clocks	35 00	
District No. 2, for labor as per pay rolls	703 61	
Amount	<u>\$9,027 32</u>	
Balance to new account	544 19	
	<u> </u>	\$9,571 51

WATER-WORKS.

		DR.
To Balance from old account	\$17,541	27
Receipts for water rents and hy-		
drant service	38,879	47
Receipts for derrick	125	00
Receipts for use of derrick	24	00
	—————	\$56,569 74
		CR.
Paid D. H. Young, pipe	\$18	75
Michael Healey, labor	174	40
C. C. Cole, "	600	00
T. P. Frost, "	550	33
W. M. Kelly, "	783	00
Frank Truel, "	132	00
John Williams, "	31	50
Wm. E. Dunbar, "	40	50
Gilman Clough, "	49	87
John Talbot, "	141	25
B. St. Jean, "	31	75
B. Rossiter, "	12	81
Jerry Abbott, "	14	69
James Currier, "	2	50
Thos. Campbell, "	11	88
Maurice P. Emery, "	155	62
Louis Plant, "	15	31
Samuel Brown, jr., "	107	88
Samuel Brown, jr., casting pipe	198	75
Augustine Lesbelle, labor	14	69
Berryside, "	12	81
Ed. Dorney, "	2	50
Peter Bumblebee, "	11	56
James Goggin, "	15	31
Martin Campbell, "	12	81
John Connor, "	1	88

George H. Dunbar, labor	15	75
Patent W. and G. Pipe Co., for pipe and laying the same	2,974	95
J. Q. A. Sargent, service pipe, &c.	4,028	30
T. A. Lane, hydrant and piping	151	18
C. K. Walker, superintendent, salary	1,200	00
E. A. Stearns, clerk	1,092	00
Temple & Farrington, stationery and binding books	59	52
A. H. Lowell, gate boxes, sleeves, &c.	149	17
Boston Machine Co., gaskets, hydrants, &c.	83	63
Fairbanks & Folsom, brooms, pails, &c.	20	87
Clough & Foster, lumber	43	54
A. M. Eastman, oil	9	15
C. K. Walker, cash paid for sun- dries	85	95
J. B. Varick, hardware, &c.	424	82
City of Worcester, sleeves	9	10
W. E. Moore, printing	35	75
Pike & Heald, stock and repair- ing	23	39
George H. Norman, on contract	9,454	90
Union Water Meter Co., meters, &c.	554	53
C. C. Cole, boarding men	8	00
John B. Clarke, printing and ad- vertising	55	50
Campbell & Hanscom, printing and advertising	32	75
C. F. Livingston, printing	44	00

H. S. Whitney, plumbing, &c.	49 05
I. R. Dewey, wood	15 00
J. L. Kennedy, painting	40 62
Walworth Mf'g. Co., stop cocks	17 35
American Steam Gauge Co., repairs	2 00
J. B. Sawyer, engineering ser- vices	20 00
A. C. Wallace, lumber	480 35
H. & H. R. Pettee, cement	5 75
W. P. Stratton, repairing pipe	1 32
American Steam Safe Co., steam safe	195 00
R. D. Wood & Co., valves, pipe, &c.	14,675 51
Concord Railroad, freight	2,633 56
Manchester Locomotive Works, bailing water, labor and stock	97 80
Pattee & Perkins, hydrants	6 30
Mowrey & Phillips, lead	1,352 02
Walter Neal, building fence at reservoir	130 75
Sewall, Day & Co., jute gasket	44 04
C. H. Hodgman, teaming	9 00
Ludlow Valve Co., gate	67 50
Cook, Rymes & Co., forging and castings	66 13
Jere. Hodge, lumber and labor	12 65
R. W. Flanders, blacksmith work	243 10
Derry, Welcome & Co., labor on derrick	17 94
Gas Light Co.	3 65
L. B. Bodwell & Co., wood	138 50
May & Co., iron ladders	3 50

A. B. Roberts, damage to carriage	24 00
J. M. Chandler & Co., powder, &c.	85 43
G. R. Vance, pails, lanterns, &c.	8 85
Conway's men, for labor as per pay rolls	3,028 36
A. Wells, labor	51 00
M. Emery, labor on canal	63 00
David Dickey, 2d, labor on canal	9 00
John Flannagan, " "	7 50
Oscar Webster, " "	21 25
Frank Perkins, " "	4 50
I. T. Webster, labor	11 62
George B. Emerson, labor	14 24
Wm. Doran, "	12 80
J. T. G. Dinsmore, "	12 80
Frank C. Mitchell, damage to team	20 00
Martin & Burbank, rubber boots	21 00
S. S. James & Bro., team	20 00
E. P. Johnson & Co., coal	144 18
C. C. Cole, 2 3-8 acres of land	160 00
Pettee & Whittle, cement	3 80
R. T. Ritchie, 23 lbs. rope	5 52
Joseph B. Sawyer, making deed	3 00
M. McQuade, kerosene oil	2 64
J. S. Kidder & Co., cement	23 00
Amoskeag Mf'g. Co., bolts and lumber	10 74
Temple McQuesten, 3 pieces pipe	3 00
Amount	\$48,425 72
Balance to new account	8,144 02
	<hr/> \$56,569 74

SCHOOLS.

CONTINGENT EXPENSES.

		DR.
To Appropriation	\$500 00	
Reserved fund (amount transferred)	348 93	
	<hr/>	
Amount	\$848 93	
Balance to new account	10	
	<hr/>	
		\$849 03
		CR.
Paid H. S. Hutchins, carpet brushes	\$18 00	
Daniels & Co., bell, knobs, &c.	11 42	
J. B. Varick, hardware	1 48	
Canney & Wiley, alcohol	2 25	
Gas Light Co., coal gas	86 48	
W. P. Stratton & Son, repairs, pipe, &c.	2 18	
Fairbanks & Folsom, repairs, stove, pipe, &c.	15 58	
R. T. Ritchie, sash cord	1 00	
O. J. Randall, cleaning room	75	
G. B. Fogg, keys and repairs	7 33	
J. A. Caverly, teaming	22 75	
A. W. Bacheler, bristol board, &c.	3 40	
Barr & Clapp, oil	80	
G. W. Hunkins, poker	1 00	
I. S. Whitney, use of piano	45 00	
H. W. Herrick, photographing building	6 50	
G. M. Norris, poker, repairs, &c.	3 05	
Straw & Lovejoy, work on clock	8 00	
M. H. Hildreth, grading	75	

Campbell & Hanscom, printing and advertising	15 12	
J. Hodge, lumber and labor	5 35	
Geo. C. Hoitt, record book	11 00	
S. P. Jackson, use of team	34 50	
J. M. Sanborn, tuning pianos	36 25	
Frank N. Young, cleaning vault	2 00	
H. F. Morse, filling out diploma	27 58	
Geo. Holbrook, furnishing stage	17 66	
Smyth & Williams, use of hall for school festival	50 00	
Oliver Ditson, music for festival	44 50	
N. S. Clark, ribbon	6 00	
W. H. Annan, work on coal	9 00	
Orlando Young, stone work	12 85	
Mary Bowler, cleaning	5 00	
L. S. Proctor, labor in No. 8	25 00	
Alfred Walker, cleaning and re- pairing clocks	5 00	
Michael Healy, moving settees	2 50	
W. H. Vickery, keys	1 60	
Fogg & James, teams	17 00	
Water-Works, use of water	283 40	
	<hr/>	\$849 03

TUITION MONEY.

		DR.
To J. G. Dearborn, cash received for tuition fees	\$100 50	
Reserved fund	407 39	
Balance to new account	100 00	
	<hr/>	\$607 89
		CR.
Paid A. Clark & Co., for telescope	\$300 00	

Centennial Exhibition, balance		
transferred	307	89
	<hr/>	<hr/>
		\$607 89

REPAIRS OF SCHOOL-HOUSES.

		DR.
To Balance from old account . . .	\$1,474	33
Appropriation	2,000	00
Reserved fund, am't. transferred	512	30
	<hr/>	<hr/>
		\$3,986 63

		CR.
Paid S. V. Noxon, Lehigh coal . . .	\$397	60
J. L. Kennedy, setting glass and painting	261	38
L. J. Moore	5	00
Joel Daniels, painting	33	23
J. Q. A. Sargent, repairs on gauges	7	68
J. Q. A. Sargent, repairs on fur- naces, &c.	679	75
J. Tuck & Co., setting glass . . .	2	00
D. H. Young, repairs	131	08
E. E. Patch, building shed . . .	116	75
A. Dinsmore, lumber	285	40
Daniels & Co., hardware	9	78
Pike & Heald, piping, &c.	80	78
J. J. Abbott, painting	37	76
George H. Dudley, carpenter work	202	82
Hackett & Robie, concrete	328	41
Lamson & Marden, stone work . . .	5	00
J. C. Young, repairing slating . . .	36	29
Z. B. Steward, mason work	171	45
Joel Daniels, painting	3	83

B. K. Hoyt, painting	9 49	
John H. Maynard, taking down and raising bell at Ash-street school-house	40 00	
Wm. Blake & Co., 1 bell and tongue	154 32	
D. M. Goodwin, piping	75 03	
A. H. Lowell, iron posts, &c.	9 54	
Concord Railroad, freight of bell	4 76	
Labor of men and teams, as per pay rolls	897 50	
	<hr/>	\$3,986 63

INCIDENTAL REPAIRS.

		DR.
To Appropriation	\$600 00	
M. V. B. Kinne, overdraft	6 00	
Reserved fund, amount transf'd	362 87	
	<hr/>	\$968 87
		CR.
Paid George Holbrook, joiner work	25 00	
J. Q. A. Sargent, piping and re- pairing	26 64	
Sullivan Bros., repairing stove and pipe	43 95	
George H. Dudley, joiner work	205 16	
W. P. Stratton & Son, pipe and repairing pumps	12 82	
J. L. Kennedy, setting glass, &c.	49 96	
Paschal Preston, repairing No. 8	85 85	
A. Walker, repairing clock	1 00	
W. E. Dunbar, setting glass, plastering, &c.	7 00	
T. A. Lane, piping	12 36	

Pike & Heald, repairing pumps, pipes, &c.	137 28	
J. H. Wales, cleaning vaults	100 00	
G. B. Fogg, key and repairing locks	95	
Barr & Clapp, hardware	1 48	
W. P. Merrill, repairs	2 70	
M. V. B. Kinne, repairing chairs	7 50	
J. J. Abbott, painting and setting glass	89 35	
A. C. Wallace, lumber	11 88	
Daniels & Co., hardware	4 65	
Daniel Healey, whitewashing	27 00	
W. W. Baker, repairing No. 3	3 33	
J. Tuck & Co.	2 56	
J. A. Swasey, blackboards	159 88	
Thomas Adderley, grading at Hallsville	1 25	
George E. Moers, setting glass, &c.	4 50	
Joel Daniels, setting glass, &c.	18 82	
I. S. Whitney, drum head	2 50	
Geo. Dickey, repairing chair	50	
	<hr/>	\$968 87

FUEL.

		DR.
To Appropriation	\$4,500 00	
Reserved fund, am't. transferred	1,200 00	
	<hr/>	\$5,700 00
		CR.
Paid W. Harriman, wood	\$42 67	
A. Boyce, "	10 62	
Dickey, Young & Co., fuel	218 78	

M. V. B. Kinne, wood	4 00	
W. Harriman, wood	52 75	
Nehemiah Preston, wood	55 00	
L. B. Bodwell & Co., fuel	135 15	
J. A. Haselton, fuel	25 37	
E. P. Johnson & Co., fuel	4,470 72	
Clough & Foster, fuel	50 00	
A. Dinsmore, fuel	219 25	
W. W. Hubbard, fuel	2 50	
G. W. Hunkins, fuel	3 25	
Lewis Mitchell, surveying wood	3 62	
J. Tuck & Co.	11 00	
Mike Lane	11 00	
	<hr/>	
Amount	\$5,315 68	
Balance to new account	384 32	
	<hr/>	\$5,700 00

FURNITURE AND SUPPLIES.

		DR.
To Balance from old account	\$13 21	
Appropriation	500 00	
	<hr/>	\$513 21
		CR.
Paid C. F. Livingston, diplomas	\$43 00	
J. M. Chandler, floor brush and brooms	9 00	
C. A. Smith	33 90	
L. Prang & Co., flower stands, &c.	13 25	
Sullivan Bros., pails, dipper, &c.	18 55	
F. B. Eaton, ink	15 60	
Tewksbury & Bro., paper, pencils, &c.	46 35	
E. R. Coburn, stationery	71 80	

Goodwin & Dickey, pump	8 00	
Daniels & Co., wash basins, pails, call bells, feather dusters, &c.	50 22	
George M. Norris, window brush, &c.	3 25	
Canney & Wiley, chemicals, &c.	8 29	
A. W. Bacheler, "	16 67	
Chromo copies	5 01	
David Libbey, brooms	3 00	
Parker & Gordon, chairs and mats	4 65	
David Thayer, erasers, &c.	2 00	
H. M. Bailey, dippers	3 00	
Thomas W. Lane, books	30 44	
Higgins Bros., chairs	5 50	
Charles A. Smith, dusters and brushes	30 75	
Amount	\$422 23	
Balance to new account	90 98	
		\$513 21

EVENING SCHOOLS.

		DR.
To Balance from old account	\$623 03	
Appropriation	800 00	
		\$1,423 03
		CR.
Paid J. B. Mills, teaching	\$190 40	
Ella A. Brock, "	5 00	
M. E. Lord, "	94 00	
Emma Henry "	52 00	
James E. Stone, "	21 00	
Anna Nichols, "	106 60	

Thomas D. Luce, teaching	13 60	
Medora Weeks, "	54 00	
J. Tuck & Co., care of rooms	14 00	
G. E. Moers, " "	13 50	
Susan S. Coffin, lamps, &c.	2 60	
John B. Clarke, printing and ad- vertising	62 62	
Campbell & Hanscom, printing and advertising	7 50	
Gas Light Co., gas	9 75	
M. P. Hall, cash paid for distrib- uting bills	1 50	
	<hr/>	
Amount	\$648 07	
Balance to new account	774 96	
	<hr/>	\$1,423 03

PRINTING AND ADVERTISING.

		DR.
To Balance from old account	\$262 29	
Appropriation	250 00	
Fairbanks & Folsom, overdraft	1 84	
	<hr/>	\$514 13
		CR.
Paid John B. Clarke	\$182 02	
William E. Moore	57 50	
C. F. Livingston	39 75	
Campbell & Hanscom	66 00	
	<hr/>	
Amount	\$345 27	
Balance to new account	168 86	
	<hr/>	\$514 13

CARE OF ROOMS.

		DR.
To Appropriation	\$2,200 00	
Reserved fund, am't. transferred	450 00	
	<hr/>	\$2,650 00
		CR.
Paid V. W. Fairbanks	\$715 50	
A. B. Conant	152 00	
J. Tuck & Co.	629 31	
D. M. Dickey	5 00	
Maria H. Hildreth	38 50	
Maria Stearns	16 00	
L. S. George	22 58	
Olive J. Randall.	23 09	
G. W. Hunkins	338 65	
Nellie M. Cate	16 54	
Addie M. Chase	38 00	
Daniel Jameson	6 00	
George Cochran	6 00	
Minnie Stearns	66 00	
Ella A. Gilchrist	13 60	
Flora L. Haines	11 95	
George M. Norris	412 47	
George Fox	4 14	
Charles P. Ordway	12 50	
Carrie Chase	4 14	
Wm. Black	7 70	
George E. Moers	91 70	
Orville Tulip	6 57	
	<hr/>	
Amount	\$2,637 94	
Balance to new account	12 06	
	<hr/>	\$2,650 00

BOOKS AND STATIONERY.

To Appropriation	\$500 00	DR.
Thompson, Brown & Co., over- draft	13 50	
	<hr/>	\$513 50
		CR.
Paid Tewksbury Bros., books, &c. . .	\$55 95	
E. R. Coburn, " "	289 34	
Temple & Farrington, books, &c. . .	87 28	
Henry A. Young, " "	7 40	
Thompson, Brown & Co., books, &c.	19 80	
T. W. Lane, books, &c.	52 26	
	<hr/>	
Amount	\$512 03	
Balance to new account	1 47	
	<hr/>	\$513 50

CENTENNIAL EXHIBITION.

To Tuition Account, balance transf'd		DR.
		\$307 89
		CR.
Paid Campbell & Hanscom, printing	\$4 50	
Temple & Farrington, paper, card-board, &c.	40 42	
W. H. Baker, drawing of school- house	15 00	
G. E. Stevens, cash paid out	12 97	
Geo. H. Dudley, model of Ash- street school-house	175 00	
W. E. Moore, printing	5 00	
L. W. Colby, photographs of school-houses	30 00	

Perry H. Dow, drawing on school-		
house	25 00	
	<hr/>	\$307 89

TEACHERS' SALARIES.

		DR.
To Balance from old account	\$248 66	
Appropriation	37,000 00	
Land sold from City farm, am't transferred	1,855 20	
	<hr/>	\$39,103 86
		CR.
Paid Albert W. Bacheler	\$2,000 00	
Lucretia E. Mannahan	800 00	
Lizzie S. Campbell	287 50	
Emma J. Ela	456 25	
Maria F. Kidder	487 50	
John J. Sullivan	792 50	
Mary A. Buzzell	500 00	
Herbert W. Lull	800 00	
Emma H. Perley	450 00	
Mintie C. Edgerly	364 50	
Nancy S. Bunton	600 00	
Martha N. Mason	500 00	
Anna O. Heath	450 00	
Daniel A. Clifford	1,500 00	
Annette McDoel	500 00	
Lottie R. Adams	429 75	
Carrie E. Reid	450 00	
Benj. F. Dame	1,500 00	
Julia A. Baker	500 00	
Mary J. Fife	450 00	
Daniel Jameson	156 00	
Belle R. Daniels	427 50	

William E. Buck	1,500 00
Anstrice G. Flanders	500 00
Rocilla M. Tuson	415 87
Martha J. Boyd	430 87
E. P. Sherburne	1,000 00
Mary L. Sleeper	435 37
W. M. Stevens	1,000 00
Mary A. Lear	420 37
Ella F. Salisbury	226 50
Nellie I. Sanderson	450 00
Mary A. Smith	373 50
Hattie S. Tozer	450 00
Mary F. Barnes	416 25
Hattie G. Flanders	434 25
C. Augusta Abbott	387 00
Cleora E. Bailey	450 00
Lizzie P. Gove	450 00
Anna J. Dana	315 00
Ellen B. Rowell	357 75
Estella N. Howlett	230 00
Georgianna Dow	450 00
Helen M. Morrill	450 00
Annie M. Offutt	382 50
Abbie E. Abbott	427 50
Emma F. Beane	429 75
Elvira S. Prior	435 00
Clara N. Brown	368 26
E. J. Campbell	418 13
Martha W. Hubbard	432 00
Emma Cross	258 75
Nellie M. Whitney	416 25
Nellie E. Tappan	450 00
Maria N. Bowen	113 75
Florence McEvoy	156 25
Jennie F. Bailey	374 99

Alice G. Lord	.	.	.	450	00
Celia M. Chase	.	.	.	411	75
Sarah D. Lord	.	.	.	450	00
Augusta S. Downs	.	.	.	375	62
Nellie M. Cate	.	.	.	450	00
Addie M. Chase	.	.	.	500	00
S. Izetta Locke	.	.	.	398	75
Olive J. Randall	.	.	.	380	00
Helen M. Locke	.	.	.	67	50
Maria H. Hildreth	.	.	.	500	00
Geo. E. Cochrane	.	.	.	165	00
Lana S. George	.	.	.	384	00
Jason J. Kimball	.	.	.	1,320	00
Flora L. Haines	.	.	.	236	25
Emma J. Henry	.	.	.	36	00
Nellie M. Pearson	.	.	.	433	13
Mary F. Dana	.	.	.	132	75
Ellie A. Gilreast	.	.	.	330	00
Medora Weeks	.	.	.	34	50
Julia A. Dearborn	.	.	.	192	50
Etta J. Carley	.	.	.	400	00
Sarah J. Greene	.	.	.	254	25
Frederica S. Mitchell	.	.	.	239	75
Georgie A. Nute	.	.	.	236	25
Cora M. Dearborn	.	.	.	36	75
M. Eugenia Lord	.	.	.	81	50
Ellen E. McKean	.	.	.	9	75
A. H. Abbott	.	.	.	140	00
Ida Eaton	.	.	.	11	25
Ella F. Barker	.	.	.	32	25
Carrie M. Gilmore	.	.	.	60	00
Ellen A. Morrill	.	.	.	7	50
Lilla O. Cressey	.	.	.	48	00
Mary W. Mitchell	.	.	.	15	00
Mary D. Colburn	.	.	.	7	50

Ellen F. Sanborn	9 00	
Nellie L. Marsh	60 00	
		<u>\$39,103 86</u>

WATERING STREETS.

		DR.
To Appropriation	\$800 00	
Reserved fund	463 92	
		<u>\$1,263 92</u>

		CR.
Paid Water-Works, for water . .	\$539 50	
J. W. M. Hunt, blacksmithing	30 00	
G. W. Butterfield, teamster . .	73 50	
T. M. Conant, "	72 50	
A. B. Cushing, "	82 00	
H. S. Reed, "	1 75	
City teams	285 75	
Mark Harvey, teamster	9 00	
J. A. B. Emerson, teamster . .	61 87	
Dennis Clifford, labor	3 00	
French & Robertson, carpenter work	4 00	
B. F. Fogg, labor on pipe	9 95	
Pike & Heald, repairing hose, &c.	22 41	
A. W. Sanborn, repairing sprin- kler	17 50	
J. Q. A. Sargent, piping	45 69	
Pat Finn, labor	2 00	
Jerry Mannahan, labor	1 75	
William Maxwell, labor	1 75	
		<u>\$1,263 92</u>

CENTENNIAL FOURTH.

	DR.	
To Reserved fund, (special appropriation)	\$2,000 00	
G. W. Stevens, rent of seats, &c.	381 69	
	<hr/>	\$2,381 69
		CR.
Paid Campbell & Hanscom, printing and advertising	\$3 00	
Campbell & Hanscom, printing and advertising	147 52	
John B. Clarke, printing and advertising	193 50	
Saturday Night Dispatch, printing and advertising	2 50	
French and Robertson, carpenter work	97 52	
M. J. Kendrick, job team	13 50	
Wm. Shepherd, coaches	7 00	
Banfield, Forristall & Co., fireworks	417 00	
Amoskeag S. F. Engine, decorations	5 00	
N. S. Bean S. F. Engine, decorations	5 00	
Pennacook Hose Co., decorations	5 00	
Massabesic Hose Co., "	5 00	
Hook and Ladder Co., "	5 00	
E. W. Harrington S. F. Engine, decorations	5 00	
French Band, music	100 00	
Suncook Cornet Band, music	100 00	
Newell's Drum Corps, music	27 00	
1st N. H. Battery, saluting	47 50	
Haines Rifles, decorations	5 00	

Sheridan Guards, decorations	5 00
Straw Rifles, "	5 00
Head Guards, "	5 00
Edwin Branch, flags, &c.	61 75
Fairbanks & Folsom, pails and dipper	2 10
J. B. McCrillis & Son, decora- tions	4 50
Piper & Hawley, decorations	7 25
J. P. Young, "	5 00
Wm. C. Rogers, "	1 00
Daniels & Co., "	2 96
Bill Posting Co., bill posting	13 25
R. A. Lawrence, team	7 00
Orin Carlton, "	5 75
A. Dinsmore, lumber	49 39
Joel Daniels, decoration	5 00
Samuel Brown, jr., teams	15 00
Hoyt & Marshall, "	7 00
Fogg & James, "	19 00
S. S. James & Co., "	6 00
J. C. Nichols & Son, "	12 00
C. H. Hodgman & Co., team	25 00
J. A. Brown, "	30 00
H. J. Tirrell, "	6 00
Concord Railroad, freight	37 80
Pike & Heald	5 75
D. C. James, track expense	3 87
J. F. Woodbury & Co., track ex- pense	2 50
W. H. Annan, printing	6 00
J. Slatterly	3 00
W. E. Moore, printing	2 00
B. L. Hartshorn, teaming	9 55
O. D. Rich, decoration	1 50

A. G. Fairbanks, decoration . .	10 75
Frank Crawford, " . .	1 50
Stearns & Farmer, refreshments for schools	16 89
Clark's Great Six, decoration .	4 00
Charles T. Brown, reporting .	11 00
R. M. Yale, awning for seats .	52 00
George W. Nichols, decoration	3 50
B. Frank Fogg, " . .	1 75
G. E. Wilson, refreshments .	19 00
C. L. Walker, morning parade	17 25
Manchester post-office, postage	1 25
Albert Jackson, expense fire- works	5 00
D. W. Fling, care of track .	5 00
E. M. Tubbs, fire-works expense	52 10
C. C. Shepard, decoration .	1 00
Benj. Dodge	15 00
L. L. Aldrich, morning parade	25 75
J. F. Sullivan	7 00
E. W. Sanborn, purses and ex- penses of horse trot . . .	3 20
L. H. James, decorations .	9 85
A. W. Glines, " . . .	8 98
John A. Barker, " . . .	1 50
James A. Morse, fire-works .	3 00
Amount	\$2,152 03
Balance to new account .	229 66
	<hr/>
	\$2,381 69

DECORATION OF SOLDIERS' GRAVES.

		DR.
To Balance from old account	1 80	
Appropriation	200 00	
	<hr/>	\$201 80
		CR.
Paid Manchester Mills, gray worsted	\$36 30	
B. L. Hartshorn, teaming	16 35	
George Holbrook, carpenter work	9 00	
1st N. H. Batttery, powder, &c.	4 00	
Piper & Hawley, flag and cloth	3 82	
Wm. Shepherd, teams	7 00	
Daniels & Co., hardware	1 51	
J. N. Bruce, covering and lettering arches	5 00	
Jere. Hodge, rods and sockets	18 82	
David A. Page, use of team	2 00	
L. L. Aldrich	43 00	
Frank P. Colby, moving piano	4 00	
C. F. Livingston, flags and printing	25 00	
Campbell & Hanscom, printing	11 00	
J. M. Chandler & Co., 3 kegs powder	15 00	
	<hr/>	\$201 80

RESERVED FUND.

		DR.
To Balance from old account	\$6,731 04	
Appropriation	15,176 33	
Abbott, Downing & Co., discount on sprinkler	50 00	
City Hall and stores	2,500 00	

City liquor agency	409 49
Lands sold from city farm	2,500 00
Interest on taxes	2,500 00
J. N. Bruce, rent of hearse	62 50
J. P. Newell, receipts for dog licenses	817 82
J. P. Newell, receipts for show licenses	180 00
J. P. Newell, receipts for aqueduct water	36 00
J. P. Newell, receipts for south city scales	105 10
J. P. Newell, receipts for rent of ward room lot	12 00
J. P. Newell, receipts for Howard Insurance Co.	8 65
J. P. Newell, receipts for rent of tenements	104 00
J. Hosley, receipts on costs non-resident taxes	42 00
	<hr/>
	\$31,234 93

CR.

Paid Adam Dickey, for stump puller	\$300 00
Abbott, Downing & Co., for sprinkler	550 00
City library	1,500 00
Special appropriation for July 4th, 1876	2,000 00
Care of rooms, (schools)	450 00
Incidental repairs, (schools)	362 87
Contingent expenses, (schools)	348 93
Tuition, (schools)	407 39
Fuel, (schools)	1,200 00
Police	2,912 69
Watering streets	463 92

Highway District No. 2 . . .	2,539 54
“ “ “ 3 . . .	200 00
“ “ “ 4 . . .	50 00
“ “ “ 5 . . .	59 73
“ “ “ 6 . . .	250 42
“ “ “ 7 . . .	250 00
“ “ “ 10 . . .	909 86
“ “ “ 11 . . .	650 00
“ “ “ 12 . . .	153 89
Lighting streets . . .	623 81
Repairs of school-houses . . .	512 30
Hydrant service . . .	25 00
N. H. Granite Co., stone-work, widening Elm street . *	1,945 45
A. Dinsmore, lumber . . .	93 34
Amoskeag Manufacturing Co., steam fire engine . . .	3,800 00
J. Q. A. Sargent, piping . . .	22 80
J. B. Sawyer, engineering ser- vices	100 00
J. H. Maynard, bridge across * Cohas brook	250 00
Labor of men and teams, as per pay rolls	1,007 46
Amount	<u>\$23,939 40</u>
Balance to new account . . .	7,295 53
	<u>-----\$31,234 93</u>

SCHOOL-HOUSES AND LOTS.

To Balance from old account . . .	\$1,467 14	DR.
Repairs of school-houses, amount transferred	600 00	
	<u>-----</u>	\$2,067 14

		CR.
Paid Martin Fitzgerald, edge stones and posts, for Ash-street school lot	\$1,646 00	
John H. Proctor, edge stone	20 00	
Ellis & Patterson, engineering services	18 00	
Geo. W. Stevens, engineering services	25 00	
Wm. Campbell, drawing gravel	8 00	
	<hr/>	
Amount	\$1,717 00	
Balance to new account	350 14	
	<hr/>	\$2,067 14

MILITIA.

		DR.
To Balance from old account	\$41 67	
Appropriation	700 00	
	<hr/>	\$741 67
		CR.
Paid Amoskeag Veterans to April 17, 1876	\$100 00	
1st N. H. Battery	100 00	
Straw Rifles	100 00	
War Veterans	100 00	
Head Guards	100 00	
Sheridan Guards	100 00	
Haines Rifles	100 00	
	<hr/>	
Amount	\$700 00	
Balance to new account	41 67	
	<hr/>	\$741 67

REDUCTION OF CITY DEBT.

		DR.
To Appropriation	\$1,500 00	
Balance overdrawn in July, 1874	19,100 00	
	\$20,600 00	
		CR.
By Balance from old account, over-		
drawn in July, 1874	\$19,100 00	
On account of Suncook Valley		
Railroad loan	1,500 00	
	\$20,600 00	

TEMPORARY LOAN.

		DR.
To Balance from old account		\$2,300 00
		CR.
By Balance to new account		\$2,300 00

AWARDS FOR LAND TAKEN FOR HIGHWAYS.

		DR.
To Balance from old account		\$2,640 16
		CR.
Paid Mary Wilson, land taken for		
Wilson street	\$110 00	
A. Bodwell, stone and laying the		
same	129 51	
	\$239 51	
Amount	\$239 51	
Balance to new account	2,400 65	
	\$2,640 16	

INTEREST.

		DR.	
To Appropriation			\$56,000 50
		CR.	
Paid Lois A. Lee	\$36 00		
Louisa Wilson	30 00		
Thomas Cogswell	210 00		
Coupons on water bonds	33,756 00		
Coupons on other bonds	21,594 00		
	<hr/>		
Amount	\$55,626 00		
Balance to new account	374 50		
	<hr/>		
			\$56,000 50

CONCORD SQUARE FENCE.

		DR.	
To Balance from old account			\$451 38
		CR.	
Paid Balance to new account			\$451 38

SOLDIERS' MONUMENT.

		DR.	
To Appropriation			\$1,000 00
		CR.	
Paid Balance to new account			\$1,000 00

DISCOUNT ON TAXES.

		DR.	
To Balance from old account	\$954 87		
Appropriation	6,000 00		
	<hr/>		
			\$6,954 87

		CR.
Paid sundry persons	\$4,391 07	
Balance to new account	2,563 80	
	<hr/>	\$6,954 87

ABATEMENT OF TAXES.

		DR.
To Balance from old account	\$32 59	
Appropriation	1,000 00	
	<hr/>	\$1,032 59

		CR.
Paid Alfred W. Anderson, overvaluation, 1874	\$4 92	
Reuben V. G. Smith, non-resident, 1875	2 22	
Jere. Hodge, taxed wrong, 1875	44 40	
J. Brugger & Son, overtaxed, 1875	111 00	
George Totman, sick and poor, 1875	2 22	
Salem T. Huff, duplicate, 1875	2 22	
Geo. A. Eastman, minor, "	2 22	
Jeremiah Connor, dead, "	2 22	
G. L. Minor, no dog, "	2 00	
John Jameson, paid at Hopkinton, 1875	2 22	
L. J. Hoag, no dog, 1875	1 00	
Thomas L. Cox, paid in Holderness, 1875	2 22	
Fred F. Osgood, paid in Auburn, 1875	2 22	
John Mahoney, no dog, 1875	2 00	
John Drown, paid in California, 1875	2 22	

John Drown, paid in California, 1874	2 46
Thomas Frain, duplicate, 1875	2 22
James Callahan, taxed wrong, 1875	2 22
Daniel Leary, paid in Newport, 1875	2 22
James E. Sutton, no dog, 1875	1 00
Joseph Stark, duplicate, 1875 .	2 22
Ann M. Clark, taxed wrong, 1875	4 44
John Barr, over 70, 1875 .	2 22
Fred Blake, minor, 1875 . . .	2 22
Wm. Stearns, duplicate as Wm. F., 1875	2 22
John Dickey, duplicate, 1875 .	2 22
Patrick J. Flynn, minor, 1875 .	2 22
Robert P. Barrett, wrong name, 1875	2 22
Daniel Gerard, duplicate as Ger- ald, 1875	2 22
George E. Flanders, duplicate, 1875	2 22
Daniel Collins, duplicate, 1875	2 22
Hugh R. Barnard, paid in Bed- ford, 1875	2 22
Israel Drown, paid in Concord, 1875	2 22
Lewis C. Mason, paid in Hook- sett, 1875	2 22
Charles E. Moore, disabled sol- dier, 1875	2 22
Herman W. Dennett, paid in Concord, 1875	2 22
Michael Hanley, over 70, 1875 .	2 22

James Parker, paid in Andover. 1875	2 22
James Kimball, paid in Hook- sett, 1875	2 22
Michael Hanley, over 70, 1875 .	2 22
Chas. W. Marsh, paid in Gilman- ton, 1875	2 22
Wm. W. Merrill, paid in Goffs- town, 1875	2 22
Nelson Bickford, wrong name, 1875	2 22
Frank Roby, paid in Methuen, 1875	2 22
Addison W. Tobey, dead, no es- tate, 1874	2 46
Addison W. Tobey, dead, no es- tate, 1875	2 22
Lorenzo D. Cate, no dog, 1875	1 00
Wm. E. Dunton, pays in Stone- ham, 1875	2 22
Patrick Spane, no dog, 1875 .	1 00
Patrick Welch, duplicate, 1875	2 22
Michael Gillis, no dog, 1875 .	1 00
Horace W. Langley, non-resi- dent, 1875	2 22
Albert Barnes, no dog, 1875 .	1 00
James Richards, pays in Weare, 1875	2 22
Josiah F. Langley, minor, 1876	1 62
Elbridge Garmon, disabled sol- dier, 1876	1 62
Patrick Lannan, over 70, 1876	1 62
Wm. Cashman, " " .	1 62
Plumer, Chandler & Co., over- taxed, 1875	117 66

Henry B. Sloan, over 70, 1875	2 22
Geo. W. Pinkerton, no dog, “	1 00
Alfred Smith, minor, “	2 22
Edward H. Paine, no carriage, 1875	2 22
John Tate, disabled soldier, 1875	2 22
John W. Morse, taxed wrong, 1875	1 13
Edward McDerby, wrong name, 1875	2 22
Michael Welch, disabled soldier, 1875	2 22
Philip P. Farmer, over 70, 1875	2 22
Wm. Whittle, no horse, “	88
Thos. Kelty, poor, “	2 22
Eugene Sullivan, over 70 “	2 22
Augustus Crosbie, name wrong, 1875	2 22
George Eisenzimer, paid in Hooksett, 1874	2 46
Frederick A. Wadleigh, minor, 1875	2 22
Fred W. Drown, minor, 1875	2 22
Abram Twiss, taxed wrong, 1875	4 44
Wm. Reynolds, taxed wrong, 1875	4 44
Selena Hoag, taxed wrong, 1875	4 44
Arthur Calef, taxed twice, 1875	2 22
Wm. H. Venson, taxed twice, 1875	2 22
Geo. S. Aldrich, dead, 1875	2 22
Geo. S. Aldrich, “ 1874	2 46
Wm. McKenzie, dead, 1875	1 44
E. G. Garmon, disabled soldier, 1875	2 22

Thos. Moran, over 70, 1875	2 22
John Morrison, taxed wrong, 1875	13 32
Robert Linus, minor, 1875	2 22
Joseph Letender, minor, 1875	2 22
Daniel Harrington, disabled sol- dier, 1875	2 22
Samuel Brown, over 70, 1875	2 22
John Kennedy, over 70, 1875,	2 22
John Gibson, taxed twice, 1875	2 22
Chas. Howard, taxed twice, 1875	2 22
Cyrus Dean, taxed twice, 1875	2 22
Richard Streeter, paid in Fran- conia, 1875	2 22
Bradstraw Streeter, paid in Fran- conia, 1875	2 22
Hiram Tarbell, paid in Nashua, 1875	2 22
Alden C. Watson, paid in Auburn, 1875	2 22
Wm. T. Reed, paid in Litchfield, 1875	2 22
David A. Page, paid in Goffs- town, 1875	2 22
Edgar A. Morse, not here, 1875	2 22
John Morrison, taxed wrong, 1875	2 22
Cynthia Kennedy, taxed wrong, 1875	6 66
James Benson, error in taxation, 1875	48 84
Duncan W. Bartlett, not here, 1874	2 46
Julius Lawrence, unable to pay, 1874	2 46

Fred Spiess, dead, 1874	2 46
George F. Crosby, duplicate, 1876	1 62
C. L. Walker, over-valuation, 1876	11 34
Frank Martin, minor, 1876	1 62
Edward Newman, over 70, 1876	1 62
Joseph Tebodian, dead, 1876	1 62
James Evis, minor, 1876	1 62
Patrick J. Hanley, over seventy, 1876	1 62
Willard B. Parker, not here, 1876	1 62
David D. Goodwin, not here, 1876	1 62
Wm. LaMay, no dog, 1876	1 00
J. W. French, minor, 1876	1 62
Mason Hoyt, pays in Canada, 1876	1 62
Jos. H. Price, disabled soldier, 1876	1 62
James White, no dog, 1876	1 00
Thos. McCabe, no dog, 1876	1 00
Henry Wermers, cripple, 1876	1 62
John K. Greene, minor, 1876	1 62
Wm. H. Annan, cripple, 1876	1 62
Wm. Buck, duplicate, 1876	1 62
John S. Hoskins, duplicate, 1876	1 62
John Tewksbury, duplicate, 1876	1 62
Charles Gillis, pays in Nashua, 1876	1 62
Frank P. Johnson, no horse or carriage, 1876	3 24
James W. Lathe, disabled sol- dier, 1876	1 62

Charles A. Clough, no dog, 1876	1 00
Albert N. Miller, no dog, 1876 .	1 00
Patrick McCabe, over 70, 1876	1 62
James Collins, over 70, 1876 .	1 62
Charles Darrah, pays in Bedford, 1876	1 62
John McCabe, minor, 1876 .	1 62
James Byrnes, no dog, 1876 .	1 00
Moses W. Sargent, no dog, 1876	2 00
Dennis Driscoll, duplicate, 1876	1 62
Luther Frachure, pays in Dunbarton, 1876	1 62
Eugene R. Bailey, pays in Carroll, 1876	1 62
James Pilkins, minor, 1876 .	1 62
• Isaac C. Flanders, over 70, 1876	1 62
Jeremiah Sullivan, taxed wrong, 1876	97
George A. Clarke, minor, 1876 .	1 62
John Smith, one arm, 1876 .	1 62
Daniel Annis, pays in Goffstown, 1876	1 62
Henry H. Wheeler, pays in Amherst, 1876	1 62
W. L. Meserve, pays in Jackson, 1876	1 62
Henry J. Hicks, paid in Londonderry, 1876	1 62
Nicholas Garner, no dog, 1876 .	1 00
James E. Ayer, minor, 1876 .	1 62
Chas. J. Senter, no horse, 1876	81
Hiram B. Sloan, no dog, 1875 .	1 00
Jas. Wiley, over-valuation, 1876	2 43
Clarence Wilkins, minor, 1876 .	1 62
Frank H. Taylor, no dog, 1876	1 00

Amariah Avery, over-valuation, 1876	6 48
Hayes & Co., over-valuation, 1876	24 30
Robert Heath, no horse, 1876 .	97
Elijah Young, over 70, 1876 .	1 62
Edward Knowlton, minor, 1876	1 62
Alonzo Buck, minor, 1876 .	1 62
Gustave Godfrey, duplicate, 1876	1 62
Wm. T. Stevens, duplicate, 1876	1 62
Charles Trask, dead, 1876 .	1 62
John H. George, dead, 1876 .	1 62
Frank B. Batchelder, dead, 1876	1 62
Thomas Barnes, dead, 1876 .	1 62
Edward Blanchard, duplicate, 1876	1 62
Henry T. Bond, duplicate, 1876	1 62
Frederick Hertelle, duplicate, 1876	1 62
Michael Talty, dead, 1876 .	1 62
John Sullivan, duplicate, 1876 .	1 62
Arthur Head, minor, 1876 .	1 62
Martin Campbell, minor, 1876 .	1 62
Walter M. Wilson, sick and poor, 1876	1 62
Oliver Le Duc, minor, 1876 .	1 62
Geo. B. Sanford, disabled sol- dier, 1876	1 62
Samuel A. Cheney, disabled sol- dier, 1876	1 62
Louis Raiche, one arm, 1876 .	1 62
Joseph Bailey, disabled soldier, 1876	1 62
Chas. H. Hastings, duplicate, 1876	1 62

Merrill W. Higgins, no horse, 1876	1 29	
Noah S. Clark, no dog, 1876 . .	1 00	
Joseph N. Hanaford, no horse, 1876	1 62	
Edward E. Folsom, duplicate, 1876	1 62	
	<u> </u>	
Amount	\$727 42	
Balance to new account	305 17	
	<u> </u>	\$1,032 59

LAND SOLD FROM CITY FARM.

		DR.
To Balance from old account . .	\$4,796 27	
Received of sundry persons . . .	557 00	
	<u> </u>	\$5,353 27

		CR.
By reserved fund, am't transferred	\$2,500 00	
City farm	927 52	
Teachers' salaries	1,855 20	
	<u> </u>	
Amount	\$5,282 72	
Balance to new account	70 55	
	<u> </u>	\$5,353 27

STATE TAX.

		DR.
To Appropriation		\$36,428 00
		CR.
Paid State Treasurer, per collectors' receipt		\$36,428 00

LIQUOR AGENCY.

	DR.
To Balance from old account . . .	\$409 49
	CR.
By reserved fund, balance transferred	\$409 49

TAXES FOR 1876.

	DR.
To resident tax assessed . . . \$247,520 99	
Non-resident tax assessed . . . 1,379 94	
	248,900 93
	CR.
By collections and discounts . \$209,775 89	
Balance outstanding . . . 39,125 04	
	248,900 93

COUNTY TAX.

	DR.
To Appropriation	\$20,645 67
	CR.
Paid County Treasurer	\$20,645 67

OUTSTANDING TAXES.

List for 1876, James Mitchell, collector	\$39,125 04
List for 1875, John Hosley, collector	8,883 95

List for 1874, John Hosley, collector	5,567	44
List for 1873, William G. Everett, collector	4,419	74
List for 1872, William G. Everett, collector	2,876	22
List for 1871, H. R. Chamberlin, collector	6,312	08
List for 1870, H. R. Chamberlin, collector	6,383	70
List for 1869, H. R. Chamberlin, collector	6,466	39
List for 1868, H. R. Chamberlin, collector	5,157	97
List for 1867, H. R. Chamberlin, collector	6,156	79
List for 1866, H. R. Chamberlin, collector	7,691	81
List for 1865, H. R. Chamberlin, collector	4,045	95
List for 1864, H. R. Chamberlin, collector	4,145	81
List for 1863, H. R. Chamberlin, collector	2,719	90
List for 1862, H. R. Chamberlin, collector	2,431	18
List for 1861, H. R. Chamberlin, collector	4,493	43
List for 1860, H. R. Chamberlin, collector	2,265	49
List for 1859, John L. Kelley, collector	8,245	76
	<hr/>	\$127,388 65

VALUATION, TAXES, &C.

YEAR.	Valuation.	Taxes.	No. Polls	Poll Tax.	Val. of Poll.
1838 . .	\$555,270	\$2,235 49	244	\$1 66	\$300
1839 . .	604,963	3,029 84	427	2 14	300
1840 . .	946,200	3,986 56	772	2 20	300
1841 . .	1,229,054	9,563 74	892	3 49	300
1842 . .	1,430,524	12,952 44	1,053	2 76	300
1843 . .	1,598,826	13,764 32	1,053	2 60	300
1844 . .	1,873,286	13,584 72	1,053	2 25	300
1845 . .	2,544,780	19,246 27	1,561	2 30	300
1846 . .	3,187,726	22,095 95	1,808	2 10	3 0
1847 . .	4,488,559	24,953 54	2,056	1 68	300
1848 . .	4,664,957	39,712 53	2,688	2 58	300
1849 . .	5,500,049	44,979 92	2,518	2 47	300
1850 . .	5,832,980	48,974 23	2,820	2 37	300
1851 . .	6,9 6,462	51,798 47	2,910	2 25	300
1852 . .	6,795,682	54,379 45	2,745	1 92	240
1853 . .	6,995,528	61,545 81	2,907	1 82	240
1854 . .	8,237,617	62,022 44	2,814	1 80	240
1855 . .	8,833,248	71,952 09	3,725	1 94	240
1856 . .	9,244,062	114,214 08	3,760	2 96	240
1857 . .	9,983,862	84,862 98	3,695	2 04	240
1858 . .	10,259,080	78,210 85	3,695	1 83	240
1859 . .	9,853,310	81,368 01	3,495	1 92	240
1860 . .	9,644,937	86,894 87	3,651	2 16	240
1861 . .	9,343,254	99,104 96	3,974	2 40	240
1862 . .	8,891,250	84,827 45	3,071	2 21	240
1863 . .	9,597,786	96,233 86	2,995	2 40	240
1864 . .	9,517,512	142,815 98	3,168	3 50	240
1865 . .	9,478,368	209,696 20	3,176	5 18	240
1866 . .	10,050,020	245,567 19	4,114	5 50	240
1867 . .	10,101,556	207,457 39	4,170	4 61	240
1868 . .	9,929,072	208,783 07	4,583	2 85	150
1869 . .	10,205,303	254,022 43	4,709	3 72	150
1870 . .	10,710,252	234,047 63	4,959	3 27	150
1871 . .	11,365,162	236,639 74	5,404	3 12	150
1872 . .	11,542,632	259,196 67	5,911	2 24	100
1873 . .	12,001,200	300,768 00	6,212	2 50	100
1874 . .	12,716,892	312,835 95	6,219	2 46	100
1875 . .	14,195,102	315,131 29	6,227	2 22	100
1876 . .	15,309,318	248,960 93	6,295	1 62	100

CITY DEBT.

Date of Notes.	To whom Payable.	When Payable.	Principal.
Jan. 1, 1856	City Bonds,	Jan. 1, 1880	\$10,000 00
July 1, 1857	“ “	July 1, 1877	22,5 0 00
July 9, 1858	Nehemiah Hunt,	July 9, 1878	2,400 00
July 22, 1858	“ “	July 22, 1878	1,100 00
July 1, 1862	City Bonds,	July 1, 1882	22,500 00
Jan. 1, 1863	“ “	Jan. 1, 1888	35,000 00
Oct. 31, 1863	“ “	Nov. 1, 1893	70,000 00
April 1, 1864	“ “	April 1, 1884	70,000 00
July 1, 1864	“ “	July 1, 1894	50,000 00
April 1, 1865	“ “	April 1, 1885	10,000 00
Aug. 1, 1869	“ “	Aug. 1, 1877	1,500 00
Aug. 1, 1869	“ “	Aug. 1, 1878	1,500 00
Aug. 1, 1869	“ “	Aug. 1, 1879	10,000 00
Aug. 1, 1869	“ “	Aug. 1, 1880	1,500 00
Aug. 1, 1869	“ “	Aug. 1, 1881	10,000 00
Aug. 1, 1869	“ “	Aug. 1, 1882	1,500 00
Aug. 1, 1869	“ “	Aug. 1, 1883	5,000 00
Aug. 1, 1869	“ “	Aug. 1, 1884	1,500 00
Aug. 1, 1869	“ “	Aug. 1, 1885	1,500 00
Aug. 1, 1869	“ “	Aug. 1, 1886	1,500 00
Aug. 1, 1869	“ “	Aug. 1, 1887	3,500 00
Jan. 1, 1872	Water Bonds,	Jan. 1, 1887	100,000 00
Jan. 1, 1872	“ “	Jan. 1, 1892	100,000 00
Jan. 1, 1872	“ “	Jan. 1, 1897	100,000 00
Jan. 1, 1872	“ “	Jan. 1, 1902	100,000 00
July 1, 1874	“ “	July 1, 1890	100,000 00
July 1, 1874	“ “	July 1, 1895	100,000 00
July 1, 1876	Sewer Bonds.	July 1, 1878	8,000 00
July 1, 1876	“ “	July 1, 1880	8,000 00
July 1, 1876	“ “	July 1, 1881	8,000 00
July 1, 1876	“ “	July 1, 1883	8,000 00
July 1, 1876	“ “	July 1, 1885	8,000 00

Amount of funded debt Jan. 1,		
1876	\$937,500	00
Added during the year (sewer loan)	40,000	00
	<hr/>	
	\$977,500	00
Paid during the year	1,500	00
Amount of funded debt Jan. 1, 1877	<hr/>	\$976,000 00
Amount of temporary loan, Jan. 1,		
1877	\$2,300	00
Interest due, (estimated)	21,000	00
Bills outstanding, Jan. 1, 1877	23,694	99
	<hr/>	\$46,994 99
	<hr/>	
Total indebtedness, Jan. 1, 1876	\$1,022,994	99
Cash in the treasury, Jan. 1, 1877	\$80,819	91
Notes due the city	1,957	65
Interest on the same	590	00
	<hr/>	\$83,367 56
	<hr/>	
Net indebtedness, Jan. 1, 1877	\$939,627	43
Net indebtedness, Jan. 1, 1876	901,144	48
	<hr/>	
Increase of net indebtedness during		
ing the year	\$38,482	95

Attest:

JOHN P. NEWELL,
City Auditor.

CITY PROPERTY.

City Library building	\$29,000 00
Permanent inclosure of Commons	19,200 00
City Hall and lot	60,000 00
City Farm and permanent improvements	25,000 00
Stock, tools, furniture and provisions at City Farm	5,580 80
Engines, hose and apparatus	38,308 25
Engine house, stable and land, Vine st.	19,400 00
Hose House and lot, Maple st.	2,300 00
Reservoirs	10,000 00
Hearse, houses, tombs, and new cemetery	4,900 00
Court House and lot	50,000 00
Common sewers	121,000 00
Safes, furniture and fixtures at City Hall	3,000 00
Street lanterns, posts and pipes	4,100 00
Water-Works	723,320 99
Horses, carts, plows and tools for streets	5,000 00
Ward room and lot, Manchester street	3,000 00
Ward room and lot, Park street	600 00
Engine house and lot, Ward Eight	2,300 00
Water pipe, wagon and apparatus for water- ing streets	2,500 00
Stock in Suncock Valley Railroad	50,000 00
Lot, Lowell street	1,500 00
Gravel lot, Belmont street	1,200 00
Ward 8 (one-half acre)	50 00
Bakersville (one acre)	100 00
Fire Alarm Telegraph, bell tower and bell	19,910 00
Valley Cemetery	6,000 00
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	\$1,207,270 04

SCHOOL PROPERTY.

Blodget-street school-house and lot .	\$3,000 00	
Movable furniture, maps, charts, etc.	150 00	\$3,150 00
Bridge-street house and lot		500 00
Old High school-house and lot	6,500 00	
Movable furniture, maps, etc.	200 00	6,700 00
New High school-house	45,000 00	
Movable furniture, maps, charts, books and apparatus	2,000 00	47,000 00
Wilson-Hill house and lot	3,300 00	
Movable furniture, maps, etc.	125 00	3,425 00
Merrimack-street house and lot	15,000 00	
Movable furniture, maps, etc.	350 00	15,350 00
Manchester-street house and lot	8,000 00	
Movable furniture, maps, etc.	300 00	8,300 00
Park-street house and lot	8,000 00	
Movable furniture, maps, etc.	400 00	8,400 00
Franklin-street house and lot	18,000 00	
Movable furniture, maps, etc.	400 00	18,400 00
Spring-street house and lot	14,000 00	
Movable furniture, maps, etc.	400 00	14,400 00
Stark house and lot	3,000 00	
Movable furniture, maps, etc.	200 00	3,200 00
Bakersville house and lot	3,500 00	
Movable furniture, maps, etc.	75 00	3,575 00
Goffe's Falls house and lot	3,600 00	
Movable furniture, maps, etc.	100 00	3,700 00
House and lot near Harvey's	2,500 00	
Movable furniture, maps, etc.	50 00	2,550 00
House and lot near Clough's mill	600 00	
Movable furniture, maps, etc.	50 00	650 00
Hallsville house and lot	3,500 00	
Movable furniture, maps, etc.	75 00	3,575 00

Massabesic house and lot . . .	\$1,400 00	
Movable furniture, maps, etc. . .	40 00	\$1,440 00
Mosquito Pond house and lot . . .	1,000 00	
Movable furniture, maps, etc. . .	50 00	1,050 00
Centre-street house and lot . . .	5,000 00	
Movable furniture, maps, etc. . .	125 00	5,125 00
Ash-street house and lot . . .	58,000 00	
Movable furniture, maps, etc. . .	400 00	58,400 00
Lincoln-street house and lot . . .	50,000 00	
Movable furniture, maps, etc. . .	400 00	50,400 00
South house and lot, 'Squog . . .	2,800 00	
Movable furniture, maps, etc. . .	60 00	2,860 00
Amoskeag house and lot . . .	3,700 00	
Movable furniture, maps, etc. . .	125 00	3,825 00
Main-street house and lot . . .	12,000 00	
Movable furniture, maps, etc. . .	100 00	12,100 00
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Amount of School Property . . .		278,075 00
Amount of City Property . . .		1,207,270 04
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Total Property		\$1,485,345 04

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